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Proposed Multifamily Development

Summer Street

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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 parcels include frontage on the north side of Summer Street. The site is located within the Limited Manufacturing District (LM) and 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. The RB zone to the west and south 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. The southernmost vernal pool (vernal pool #3) is the only certified vernal pool located on the site. Vernal pools #1 and #2 located adjacent to the railroad tracks on the northeastern portion of the property are only labeled 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. Surface water flows from south to north across the site, from Summer Street to Cedar Swamp Brook. 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 isolated 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.

There is currently no drainage infrastructure located on-site. 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.

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 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 west of the proposed multifamily building #2. This treatment train takes the pavement from the Northern most section of the property adjacent to the existing railroad and building #2. This system also handles the flow from building #2 as well. 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 Pond treats, detains and infiltrates all the street drainage, single family houses and offsite drainage. 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 infiltration pond. This treatment train outlets to the adjacent wetland and flows to Analysis Point #4.

Treatment train #3 drains to Pond P206 which is located after the last single-family house on the Northwestern side of the property. This pond handles all the associated street drainage, a single-family house, and overland flow. The pond accepts flow from the middle of Spruce Lane and outlets into the pond at the low point of Spruce Lane. This treatment train outlets to the adjacent wetland and also flows to Analysis Point #4.

Treatment train #4 drains to Pond P207 which is located after the last multi-family building on the Northwestern side of the property adjacent to Pond P206. This pond treats, detains, and infiltrates all the associated street drainage from most all of Partridge Lane and Beechnut Lane, all four (4) multi-family buildings, both surface garages, the clubhouse, and overland flow. This treatment train outlets to the adjacent wetland and joins the previous two (2) flows to Analysis Point #4.

Treatment train #5 drains to Pond P210 which is located closer to the entrance of the site, on the eastern side of the property adjacent to the railroad tracks after the three (3) townhouse cluster of buildings just to the northeast of the project entry. This pond handles all the associated street drainage from the beginning section of Red Tail Drive until the first wetland crossing as well as Chestnut Lane. There is also a townhouse building and overland flow included within this pond as well. This treatment train outlets to the adjacent wetland and flows to Analysis Point #2.

Treatment train #6 drains to Pond P212 and P213 which is located between the entrance section of Partridge Lane and the entrance section of Spruce Lane. This two-cell pond takes those two sections of road along with the section of Red Tail Drive between wetland crossing 1 and 2. Additionally, 12 houses, 3 townhouse units, and overland stormwater flow are accepted 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 most stormwater collected from the newly paved areas. Each treatment chain consists of a deep sump hooded catch basin and a sediment forebay which will be 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 each storm event in feet per second (fps).

| Storm Event | 2-year | 10-year | 25-year | 100-year |
|-------------------------------------|--------|---------|---------|----------|
| Flared End Section (Pond 204) (fps) | 2.03 | 3.19 | 3.71 | 5.90 |
| Flared End Section (Pond 205) (fps) | 2.68 | 3.49 | 3.64 | 4.74 |
| Flared End Section (Pond 206) (fps) | 0.00 | 4.00 | 5.09 | 5.95 |
| Flared End Section (Pond 207) (fps) | 0.00 | 2.11 | 2.53 | 2.79 |
| Flared End Section (Pond 210) (fps) | 3.28 | 4.69 | 5.07 | 5.44 |



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 with the exception of a 4% ± increase in runoff volume to Analysis Point #4 in the 100 year storm event. 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) | 0.35 1,096 | 0.66 2,092 | 0.92 2,925 | 1.45 4,724 |
| Post-Development Rates (cfs) AP1 Volume (cf) (Summer St) | 0.31 990 | 0.57 1,814 | 0.77 2,492 | 1.19 3,942 |
| Rate Reductions (cfs) Volume Reductions (cf) | -0.04 -106 | -0.09 -278 | -0.15 -433 | -0.26 -782 |
| | | | | |
| Pre-Development Rates (cfs) AP2 Volume (cf) (Wetland at track) | 10.95 77,666 | 25.94 173,281 | 39.20 258,654 | 68.45 451,490 |
| Post-Development Rates (cfs) AP2 Volume (cf) (Wetland at track) | 7.54 71,821 | 19.60 153,540 | 31.72 224,602 | 57.84 382,365 |
| Rate Reductions (cfs) Volume Reductions (cf) | -3.41 -5,845 | -6.34 -19,741 | -7.48 -34,052 | -10.61 -69,125 |
| | | | | |
| Pre-Development Rates (cfs) AP3 Volume (cf) (Wetland at track) | 2.87 9,482 | 6.44 20,407 | 9.51 30,014 | 16.19 51,487 |
| Post-Development Rates (cfs) AP3 Volume (cf) (Wetland at track) | 1.36 4,126 | 2.96 8,782 | 4.26 12,863 | 7.06 21,983 |
| Rate Reductions (cfs) Volume Reductions (cf) | -1.51 -5,356 | -3.48 -11,625 | -5.25 -17,151 | -9.13 -29,504 |
| | | | | |
| Pre-Development Rates (cfs) AP4 Volume (cf) (Cedar Brook) | 11.91 78,533 | 35.80 201,702 | 58.39 318,145 | 110.71 591,965 |
| Post-Development Rates (cfs) AP4 Volume (cf) (Cedar Brook) | 7.35 64,865 | 28.12 184,880 | 51.52 311,840 | 108.83 616,721 |
| Rate Reductions (cfs) Volume Reductions (cf) | -4.56 -13,668 | -7.68 -16,822 | -6.87 -6,305 | -1.88 24,756 |



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. All storm have a significant decrease over the existing condition for both volume and runoff. This reduction in volume is generated by collecting and infiltrating a significant portion of the impervious surfaces created on site.

Recharge Volume Requirement:

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

Rv = 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:

$$Rv = 0.60 \text{ in} * 52,136 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = \mathbf{2,606 \text{ cf recharge}}$$

Soil B:

$$Rv = 0.35 \text{ in} * 196,504 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = \mathbf{5,731 \text{ cf recharge}}$$

Soil C:

$$Rv = 0.25 \text{ in} * 191,486 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = \mathbf{3,989 \text{ cf recharge}}$$

Soil D:

$$Rv = 0.1 \text{ in} * 179,247 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = \mathbf{1,493 \text{ cf recharge}}$$

Total Recharge Required:

$$Rv = (2,606 \text{ cf}) + (5,731 \text{ cf}) + (3,989 \text{ cf}) + (1,493 \text{ cf}) = \mathbf{13,819 \text{ cf total recharge required}}$$

Total recharge provided:

$$\text{Drip Edge 1-60} = 165 \text{ cf below each outlet} = (165 \text{ cf}) * (60) = 9,900 \text{ cf}$$

$$\text{Townhouse Drip Edges 61-63, 65-70} = 98 \text{ cf below each outlet} = (98 \text{ cf}) * (9) = 882 \text{ cf}$$

$$\text{Townhouse Drip Edges 64 and 71} = 125 \text{ cf below each outlet} = (125 \text{ cf}) * (2) = 250 \text{ cf}$$

$$\text{Multi Family Drip Edges 1-4} = 820 \text{ cf below each outlet} = (820 \text{ cf}) * (4) = 3,280 \text{ cf}$$

$$\text{Club house drip edge} = 130 \text{ cf below outlet}$$

$$\text{Pond P204} = 1,571 \text{ cf below outlet (Stormtech System)}$$

$$\text{Pond P205} = 5,999 \text{ cf below outlet}$$

$$\text{Pond P206} = 3,674 \text{ cf below outlet}$$

$$\text{Pond P207} = 17,156 \text{ cf below outlet}$$

$$\text{Pond P210} = 4,060 \text{ cf below outlet}$$

$$\text{Ponds P212} = 21,710 \text{ cf below outlet}$$

$$\mathbf{\underline{\underline{\text{Total site recharge provided} = 68,612 \text{ cf recharge volume} > 13,819 \text{ cf required}}}}$$

**Recharge per Pond****Pond P204****Soil D:**

$R_v = 0.1 \text{ in} * 34,505 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 288 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = 288 \text{ cf recharge required}$

Recharge provided = 1,571 cf > 288 cf required

Pond P205:**Soil B:**

$R_v = 0.35 \text{ in} * 84,394 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 2,461 \text{ cf recharge}$

Soil D:

$R_v = 0.1 \text{ in} * 2,978 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 25 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (2,461 \text{ cf}) + (25 \text{ cf}) = 2,486 \text{ cf recharge required}$

Recharge provided = 5,999 cf > 2,486 cf required

Pond P206:**Soil A:**

$R_v = 0.60 \text{ in} * 15,610 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 781 \text{ cf recharge}$

Soil C:

$R_v = 0.25 \text{ in} * 28,710 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 598 \text{ cf recharge}$

Total Weighted Average Recharge:

$R_v = (781 \text{ cf}) + (598 \text{ cf}) = 1,379 \text{ cf total recharge required}$

Recharge provided = 3,674 cf > 1,379 cf required

Pond P207**Soil A:**

$$Rv=0.60 \text{ in} * 33,597 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,680 \text{ cf recharge}$$

Soil C:

$$Rv=0.25 \text{ in} * 25,811 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 538 \text{ cf recharge}$$

Soil D:

$$Rv=0.1 \text{ in} * 133,637 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,114 \text{ cf recharge}$$

Total Weighted Average Recharge:

$$Rv= (1,680 \text{ cf}) + (538 \text{ cf}) + (1,114 \text{ cf}) = 3,332 \text{ cf recharge required}$$

Recharge provided = 17,156 cf > 3,332 cf required

Pond P210**Soil B:**

$$Rv=0.35 \text{ in} * 59,555 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,737 \text{ cf recharge}$$

Soil C:

$$Rv=0.25 \text{ in} * 1,899 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 39 \text{ cf recharge}$$

Total Weighted Average Recharge:

$$Rv= (1,737 \text{ cf}) + (39 \text{ cf}) = 1,776 \text{ cf recharge required}$$

Recharge provided = 4,060 cf > 1,776 cf required

Ponds P212**Soil C:**

$$Rv=0.25 \text{ in} * 85,419 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 1,779 \text{ cf recharge}$$

Soil D:

$$Rv=0.1 \text{ in} * 3,970 \text{ sf} * 1 \text{ ft} / 12 \text{ in} = 33 \text{ cf recharge}$$

Total Weighted Average Recharge:

$$Rv= (1,779 \text{ cf}) + (33 \text{ cf}) = 1,812 \text{ cf recharge required}$$

Recharge provided = 21,710 cf > 1,812 cf required



Drawdown Within 72 Hours

Drip Edge 1-60 = 165 cf / [(2.41 in/hr)(1 ft/12 in) (290 sf)] = **2.8 hours < 72 hours, OK**

Townhouse Drip Edges 61-63, 65-70 = 98 cf / [(2.41 in/hr)(1 ft/12 in) (471 sf)] = **1.0 hours < 72 hours, OK**

Townhouse Drip Edges 64 and 71 = 125 cf / [(2.41 in/hr)(1 ft/12 in) (605 sf)] = **1.0 hours < 72 hours, OK**

Multi Family Drip Edge 2 = 820 cf / [(2.41 in/hr)(1 ft/12 in) (1,720 sf)] = **2.4 hours < 72 hours, OK**

Multi Family Drip Edges 1,3,4 = 820 cf / [(8.27 in/hr)(1 ft/12 in) (2,035 sf)] = **0.6 hours < 72 hours, OK**

Pond P204: 1,571 cf / [(2.41 in/hr)(1 ft/12 in) (3,927 sf)] = **2.0 hours < 72 hours, OK**

Pond P205: 5,999 cf / [(2.41 in/hr)(1 ft/12 in) (4,110 sf)] = **7.3 hours < 72 hours, OK**

Ponds P206: 3,674 cf / [(8.27 in/hr)(1 ft/12 in) (3,860 sf)] = **1.4 hours < 72 hours, OK**

Ponds P207: 17,156 cf / [(2.41 in/hr)(1 ft/12 in) (10,200 sf)] = **8.4 hours < 72 hours, OK**

Ponds P210: 4,060 cf / [(2.41 in/hr)(1 ft/12 in) (5,368 sf)] = **3.8 hours < 72 hours, OK**

Ponds P212: 21,710 cf / [(2.41 in/hr)(1 ft/12 in) (7,561 sf)] = **14.3 hours < 72 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 (**not including roof impervious**) = 355,577 sf

D_{wq} = 1 inch

$V_{wq} = (1 \text{ inch} / 12 \text{ inches} / \text{foot}) * (355,577 \text{ S.F.}) = 29,631 \text{ C.F.}$

Total volume under outlets at Infiltration Ponds = 67,111 cf > 29,631 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 (*not including roof impervious*)

Pond P204:

Infiltration pond = $(1 \text{ inch} / 12 \text{ inches} / \text{foot}) * (18,151 \text{ S.F.}) = 1,513 \text{ C.F.}$

Designed Infiltration Pond = 1,571 C.F. below outlet

1,571 CF > 1,513 CF OK

Stormtech Isolator Row:

$Q(1) = (752 \text{ csm/in}) * (0.42 \text{ AC}) * (0.0015625 \text{ mi}^2/\text{AC}) * (1 \text{ in})$

$Q(1) = 0.49 \text{ cfs}$

For the SC 310 each chamber is rated for 0.10 cfs:

Design calls for 14 SC 310 Isolator Units = $14 \text{ units} * 0.10 \text{ cfs} = 1.40 \text{ cfs}$

$1.40 \text{ cfs} > 0.49 \text{ cfs OK}$

Volume Provided = 1.40 cfs

1.40 cfs > 0.49 cf O.K.

Pond P205:

Infiltration pond = $(1 \text{ inch} / 12 \text{ inches} / \text{foot}) * (63,908 \text{ S.F.}) = 5,326 \text{ C.F.}$

Designed Infiltration Pond = 5,999 C.F. below outlet

5,999 CF > 5,326 CF OK

Sediment forebay = $0.1 * 5,326 \text{ C.F.} = 533 \text{ C.F.}$

Designed sediment forebays = 1,659 CF

1,903 CF > 533 CF OK

**Pond P206:**

Infiltration pond = (1 inch / 12 inches / foot) * (41,998 S.F.) = 3,500 C.F.

Designed Infiltration Pond = 3,674 C.F. below outlet

3,674 CF > 3,500 CF OK

Sediment forebay = 0.1 * 3,500 C.F = 350 C.F

Designed sediment forebays = 1,122 CF

1,272 CF > 350 CF OK

Pond P207:

Infiltration pond = (1 inch / 12 inches / foot) * (132,406 S.F.) = 11,034 C.F.

Designed Infiltration Pond = 17,156 C.F. below outlet

17,156 CF < 11,034 CF OK

Sediment forebay = 0.1 * 11,034 C.F = 1,103 C.F

Designed sediment forebays = 1,132 CF

1,182 CF > 1,103 CF OK

Pond P210:

Infiltration pond = (1 inch / 12 inches / foot) * (56,805 S.F.) = 4,734 C.F.

Designed Infiltration Pond = 4,060 C.F. below outlet

4,060 CF > 4,734 CF NOT OK

Sediment forebay = 0.1 * 4,734 C.F = 473 C.F

Designed sediment forebays = 594 CF

594 CF > 473 CF OK

**Pond P212:**

Infiltration pond = (1 inch / 12 inches / foot) * (54,712 S.F.) = 4,559 C.F.

Designed Infiltration Pond = 21,710 C.F. below outlet

21,710 CF > 4,559 CF OK

Sediment forebay = 0.1 * 4,559 C.F = 456 C.F

Designed sediment forebays = 663 CF

663 CF > 456 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

Treatment Train #1 to Pond P204

- Deep Sump Hooded Catch Basin:

$$100\% * 25\% = 25\%$$

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

- Stormtech Infiltration System W/ Isolator Row 80% Removal

$$75\% * 80\% = 60\%$$

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

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

Site impervious percentage = 5.15%

Treatment Train #2 to Pond P205

- Deep Sump Hooded Catch Basins:

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

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

- Infiltration Pond W/ Forebay 80% Removal

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

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

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

Site impervious percentage = 17.29%

Treatment Train #3 to Pond P206

- Deep Sump Hooded Catch Basins:

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

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

- Infiltration Pond W/ Forebay 80% Removal

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

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

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

Site impervious percentage = 11.49%

Treatment Train #4 to Pond P207

- Deep Sump Hooded Catch Basins:

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

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

- Infiltration Pond W/ Forebay 80% Removal

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

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



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

Site impervious percentage = 32.95%

Treatment Train #5 to Pond P210

- Deep Sump Hooded Catch Basins:

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

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

- Infiltration Pond W/ Forebay 80% Removal

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

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

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

Site impervious percentage = 16.05%

Treatment Train #6 to Pond P212

- Deep Sump Hooded Catch Basins:

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

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

- Infiltration Pond W/ Forebay 80% Removal

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

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

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

Site impervious percentage = 12.66%

Treatment Train #7 to Existing Summer Street CB

- Deep Sump Hooded Catch Basins:

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

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

TSS Removal of the proposed drainage = 25%

Site impervious percentage = 1.22%



Treatment Train #8 to Existing Wetlands and Abutter overland flow

TSS Removal of the proposed drainage = 0%

Site impervious percentage = 2.28%

Treatment Train #9 flow from Building #4 Trench Drain

TSS Removal of the proposed drainage = 0%

Site impervious percentage = 0.91%

Total weighted TSS Removal rate = (5.15%) * (85%) + (17.29%) * (85%) + (11.49%) * (85%) + (32.95%) * (85%) + (16.05%) * (85%) + (12.66%) * (85%) + (1.22%) * (25%) + (2.28%) * (0%) + (0.91%) * (0%)

= 4.4% + 14.7% + 9.8% + 28.0% + 13.6% + 10.8% + 0.3% + 0% + 0% = 81.6% > 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.



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 will be 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.

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*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 in excess of 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.

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*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.

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*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 in order 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 gullying 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

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*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 is 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

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



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



Erosion and Sediment Control Notes

1. 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.
2. All catch basins receiving drainage from the project site must be provided with a catch basin filter.
3. Stabilization of all re-graded and soil stockpile areas must be maintained during all phases of construction.
4. Sediment removed from erosion and sediment control devices must be properly removed and disposed. All damaged controls must be removed and replaced.
5. The contractor is responsible for implementing the erosion and sediment control plan. 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.
6. 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.
7. 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.
8. If a disturbed area will be exposed for greater than one year, permanent grasses or other approved cover must be installed.
9. The contractor must keep on-site at all times additional silt fence and hay bales for the installation at the direction of the engineer or the city to mitigate any emergency condition.
10. 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.
11. Demolition and construction debris must be properly contained and disposed of.
12. 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

1. Install erosion and sediment controls prior to starting any earthworks activity.
2. Begin clearing, grubbing and demolition.
3. Begin utility installations.
4. Construct building foundation.
5. Install site furnishings.
6. Install landscaping.
7. Erosion and sediment controls shall be maintained until permanent cover is established.



Appendix C: Pre and Post Drainage Maps



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 Chelmsford, MA 01824
 www.hshassoc.com

PREPARED FOR:
 56 BH LLC
 6 LYBERTY WAY, SUITE 203
 WESTFORD, MA 01886

**PROPOSED MULTIFAMILY
 DEVELOPMENT
 SUMMER STREET
 WALPOLE, MA**

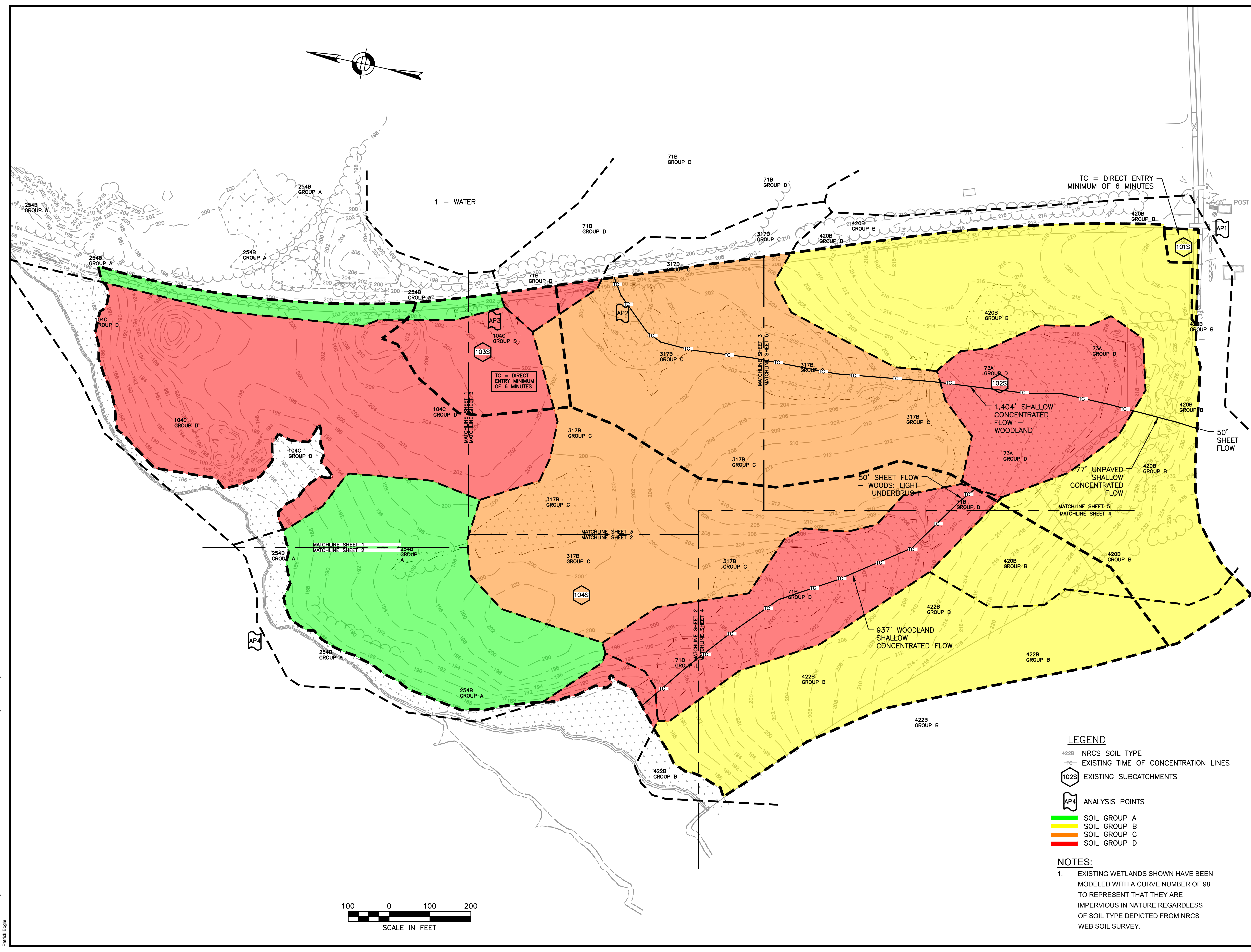
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SITE PLAN

**EXISTING
 WATERSHED
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| DATE: | MARCH 9, 2020 |
| PROJECT NUMBER: | 19097 |
| DESIGNED BY: | PB |
| DRAWN BY: | PB |
| CHECKED BY: | KE |



- LEGEND**
- 422B NRCS SOIL TYPE
 - tc- EXISTING TIME OF CONCENTRATION LINES
 - 102S EXISTING SUBCATCHMENTS
 - AP4 ANALYSIS POINTS
 - SOIL GROUP A
 - SOIL GROUP B
 - SOIL GROUP C
 - SOIL GROUP D

NOTES:

- EXISTING WETLANDS SHOWN HAVE BEEN MODELED WITH A CURVE NUMBER OF 98 TO REPRESENT THAT THEY ARE IMPERVIOUS IN NATURE REGARDLESS OF SOIL TYPE DEPICTED FROM NRCS WEB SOIL SURVEY.

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**PROPOSED MULTIFAMILY
 DEVELOPMENT
 SUMMER STREET
 WALPOLE, MA**

REVISIONS:

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SITE PLAN

**PROPOSED
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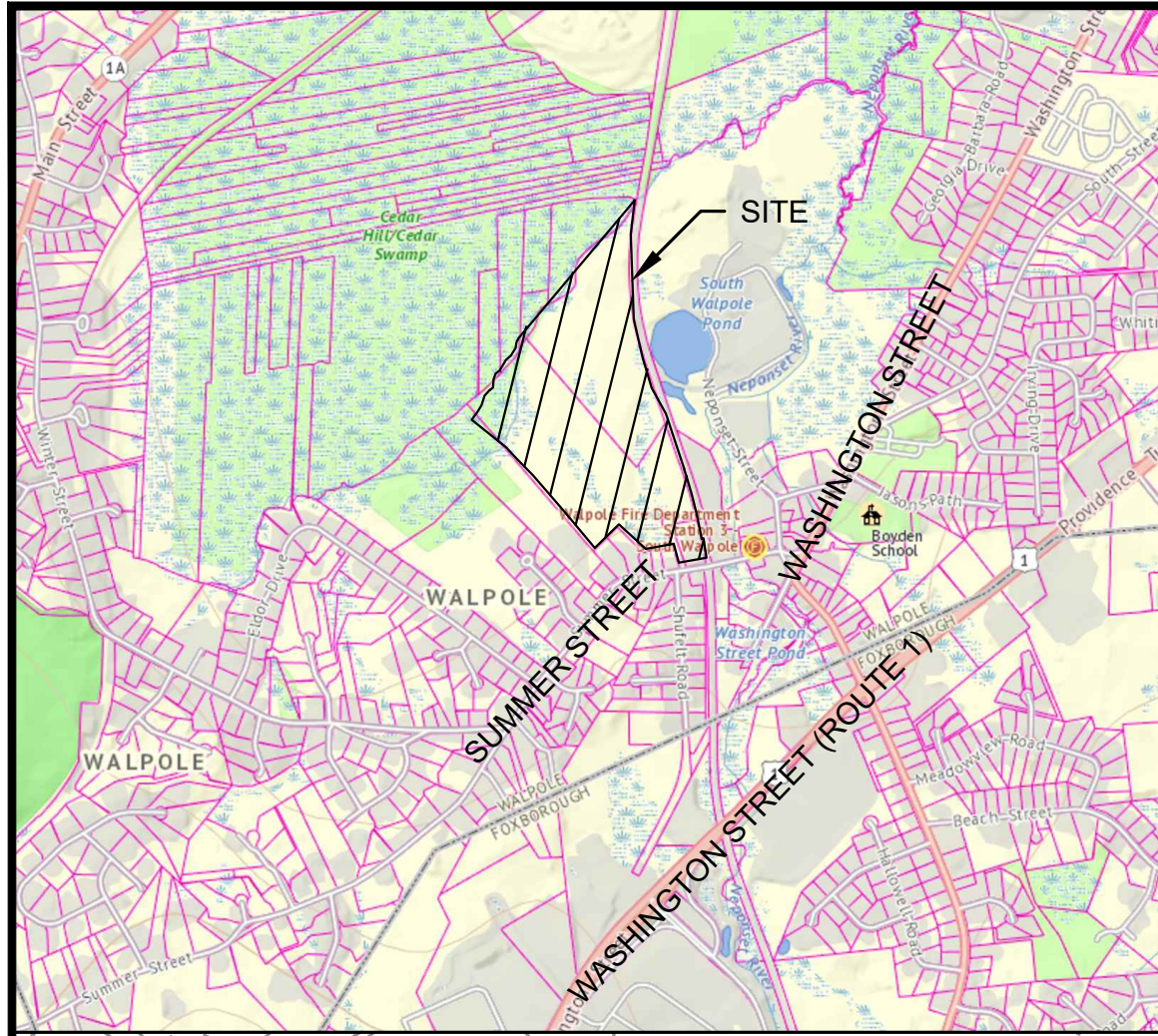
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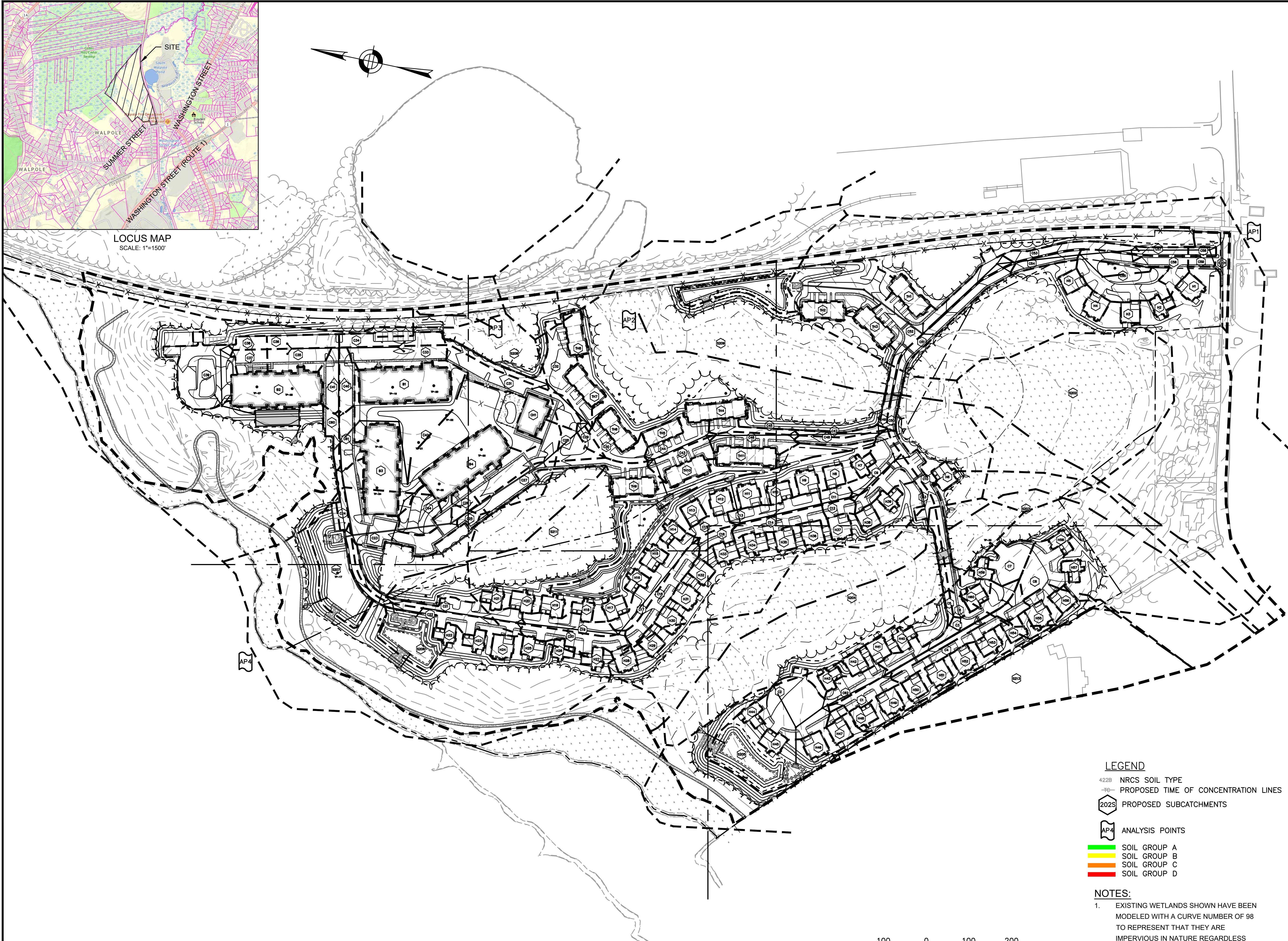
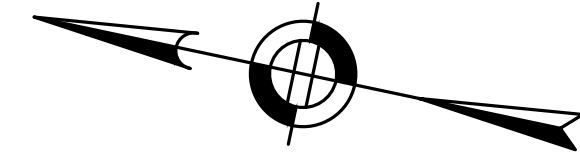
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LOCUS MAP
 SCALE: 1"=1500'

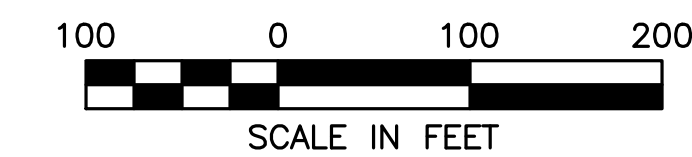


LEGEND

- 422B NRCS SOIL TYPE
- PROPOSED TIME OF CONCENTRATION LINES
- 202S PROPOSED SUBCATCHMENTS
- AP4 ANALYSIS POINTS
- SOIL GROUP A
- SOIL GROUP B
- SOIL GROUP C
- SOIL GROUP D

NOTES:

- EXISTING WETLANDS SHOWN HAVE BEEN MODELED WITH A CURVE NUMBER OF 98 TO REPRESENT THAT THEY ARE IMPERVIOUS IN NATURE REGARDLESS OF SOIL TYPE DEPICTED FROM NRCS WEB SOIL SURVEY.





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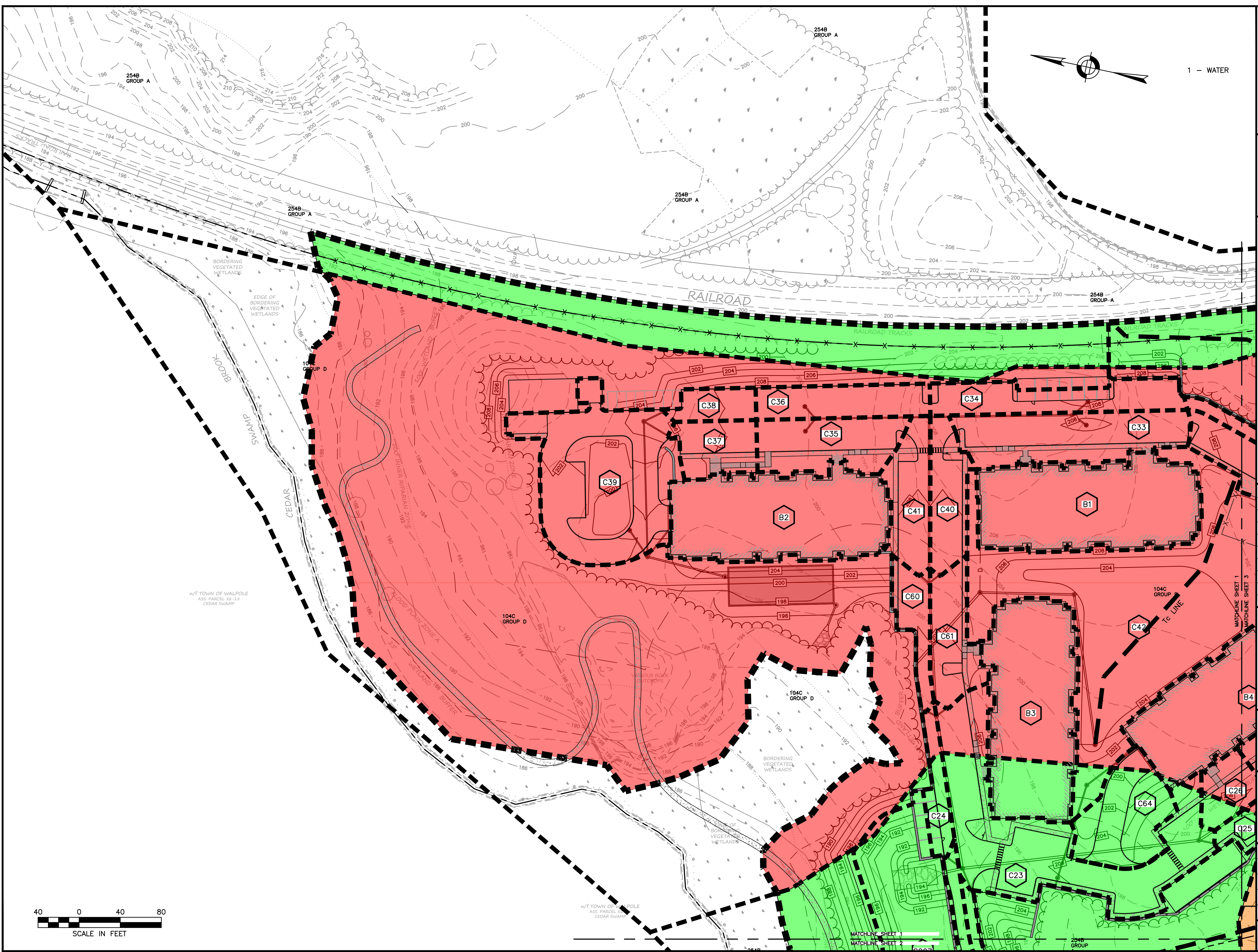
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SITE PLAN

POST DEVELOPMENT
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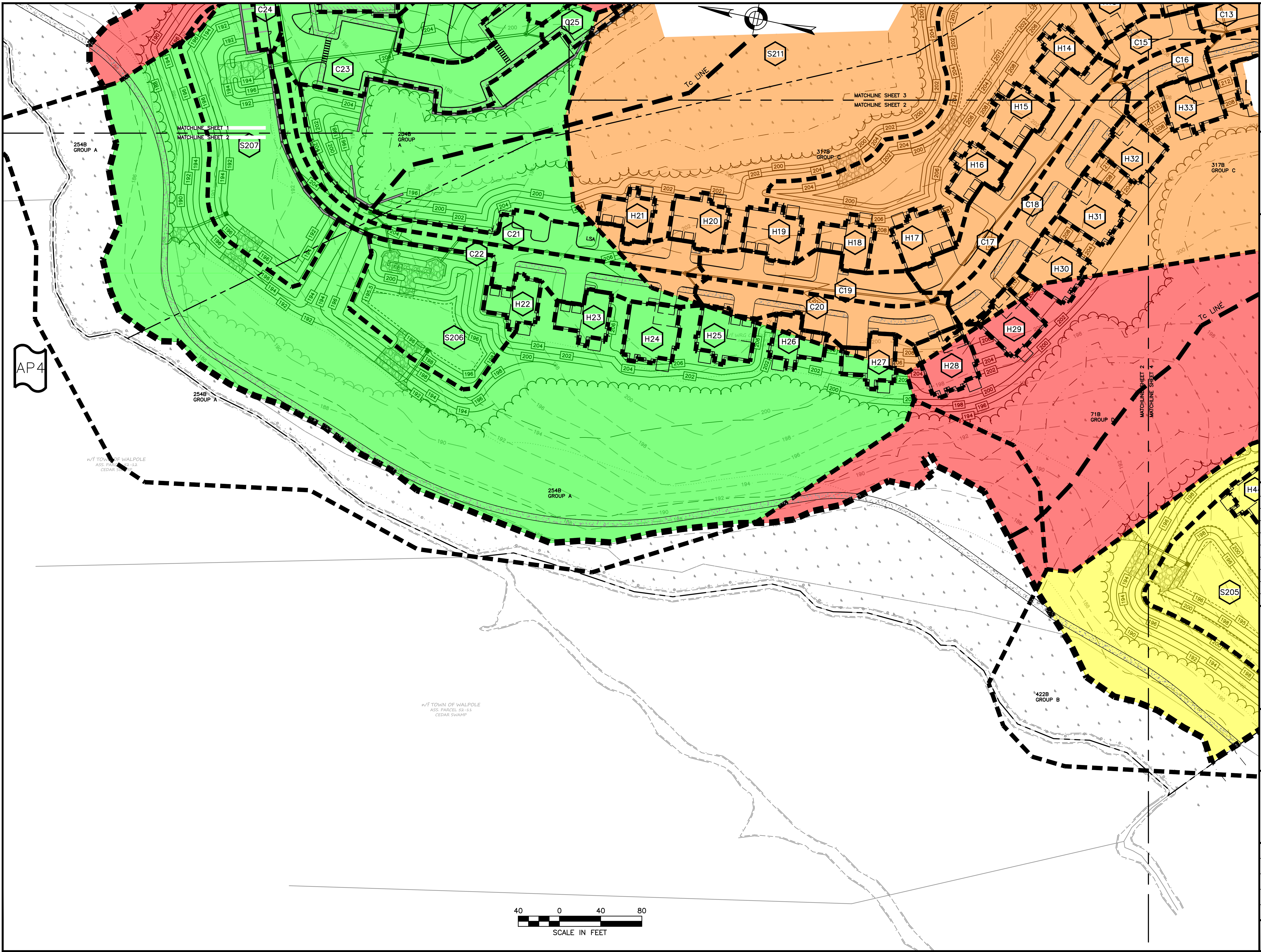
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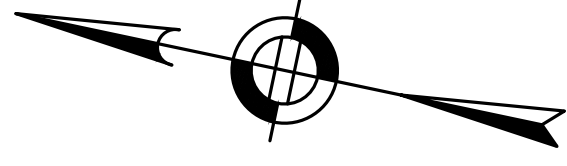
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 SUMMER STREET
 WALPOLE, MA**

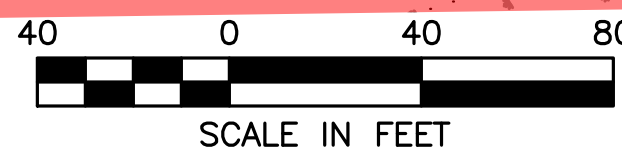
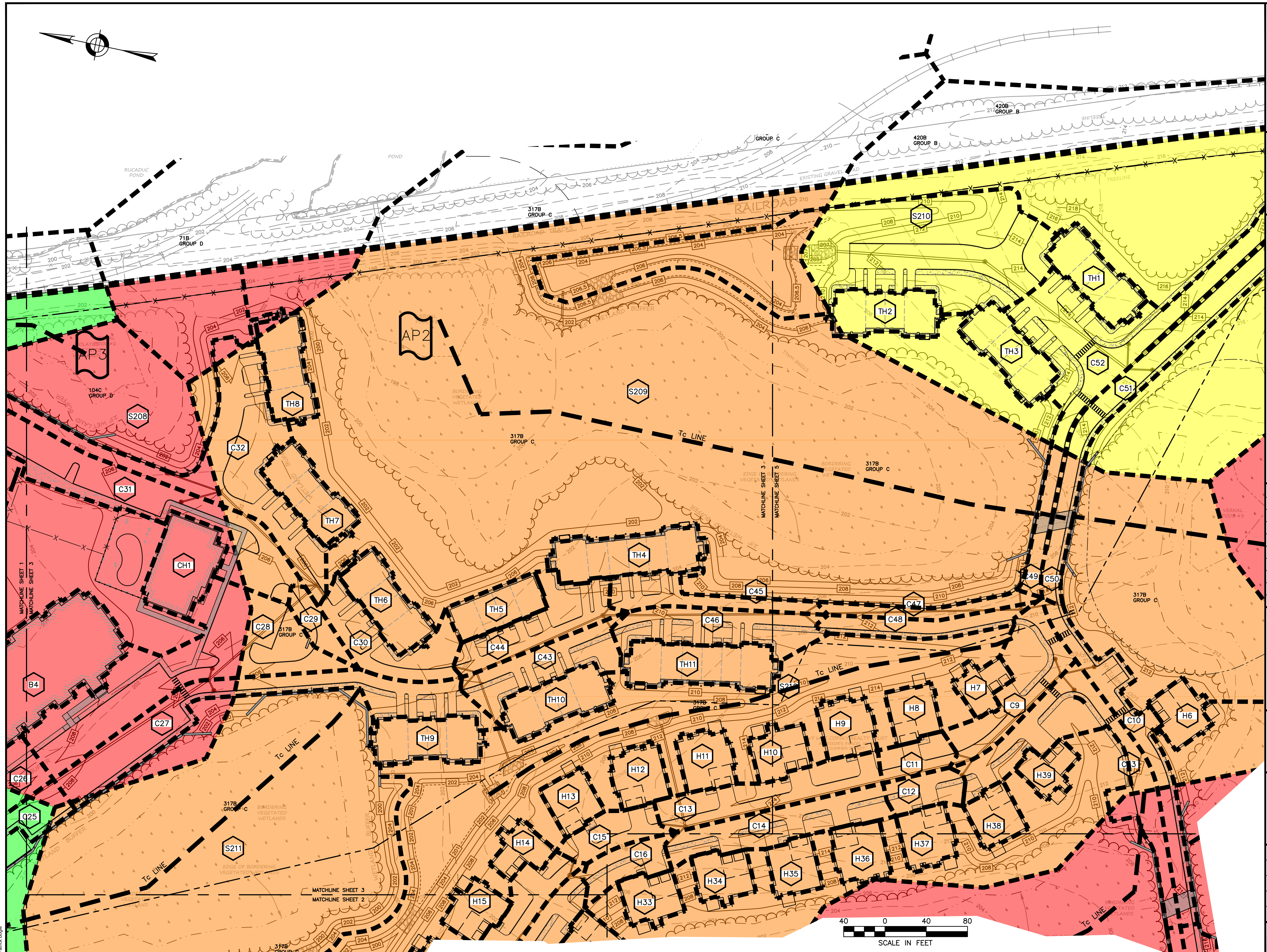
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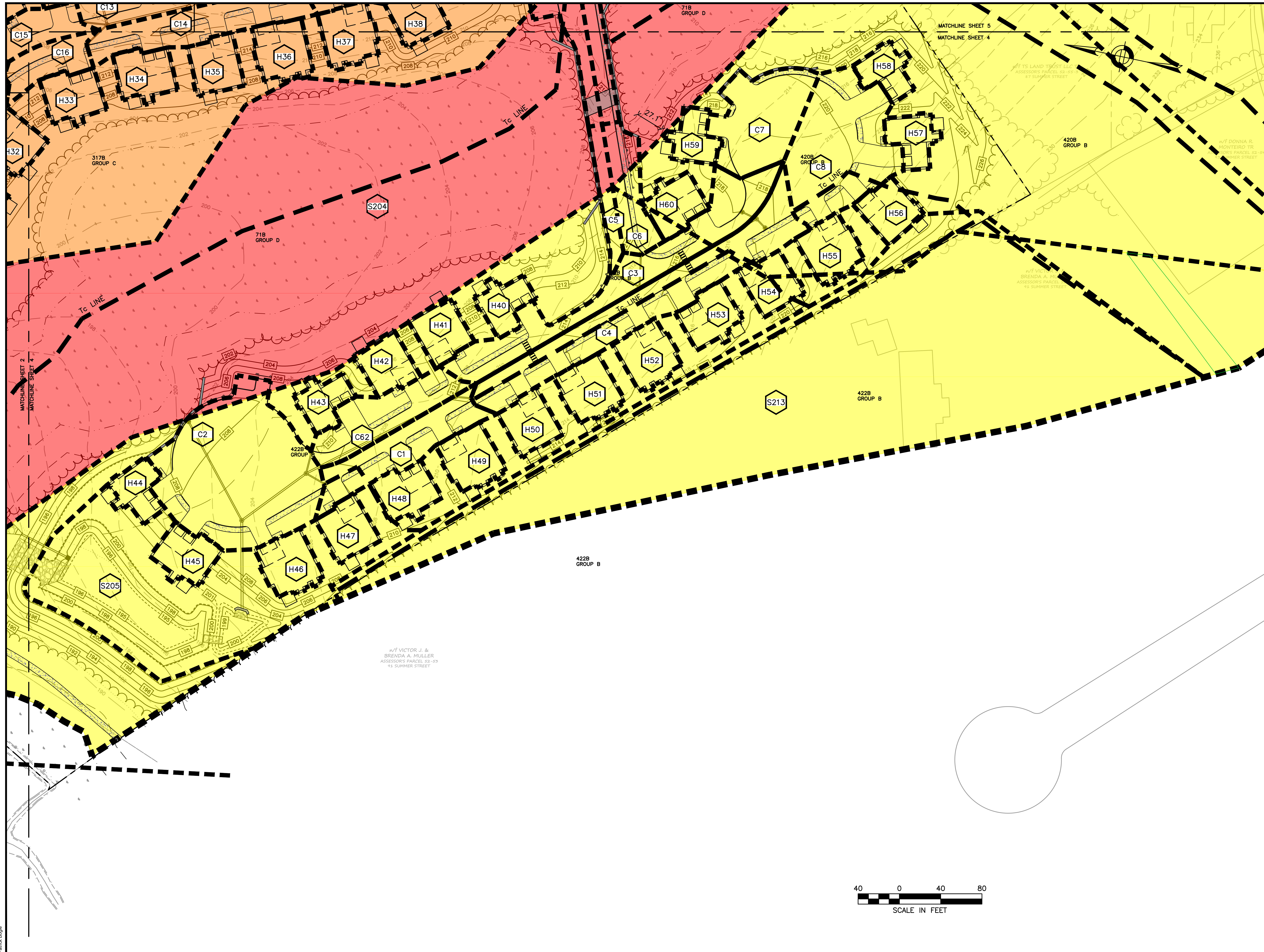
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POST DEVELOPMENT
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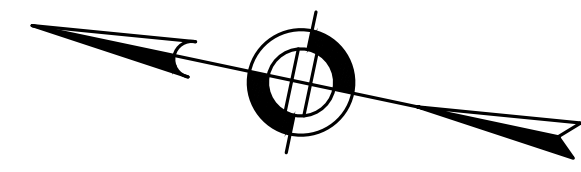
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41 SUMMER STREET

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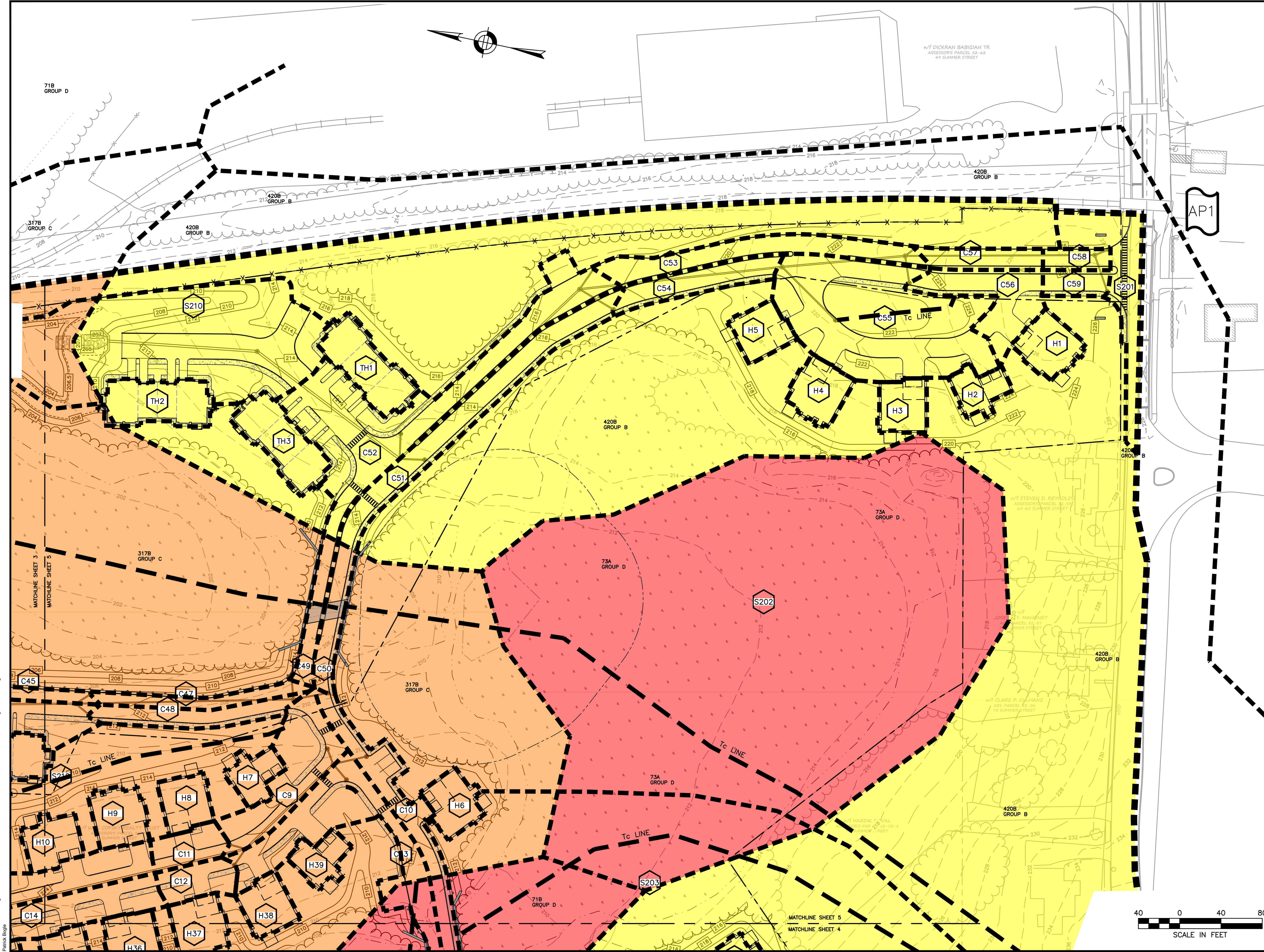
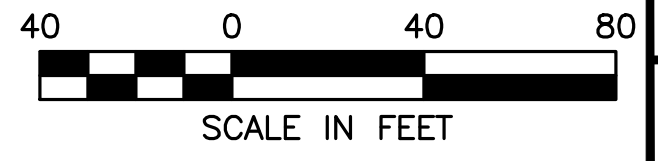
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SITE PLAN

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Appendix D: HydroCAD and Stage Storage

19097 Post-Development

Prepared by Howard Stein Hudson

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Type III 24-hr 100YR Rainfall=9.06"

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Page 1

Stage-Area-Storage for Pond DE71: DRIP #71

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 206.09 | 605 | 0 | 208.74 | 605 | 641 |
| 206.14 | 605 | 12 | 208.79 | 605 | 653 |
| 206.19 | 605 | 24 | 208.84 | 605 | 666 |
| 206.24 | 605 | 36 | 208.89 | 605 | 678 |
| 206.29 | 605 | 48 | 208.94 | 605 | 690 |
| 206.34 | 605 | 61 | 208.99 | 605 | 702 |
| 206.39 | 605 | 73 | 209.04 | 605 | 714 |
| 206.44 | 605 | 85 | 209.09 | 605 | 726 |
| 206.49 | 605 | 97 | | | |
| 206.54 | 605 | 109 | | | |
| 206.59 | 605 | 121 | | | |
| 206.64 | 605 | 133 | | | |
| 206.69 | 605 | 145 | | | |
| 206.74 | 605 | 157 | | | |
| 206.79 | 605 | 169 | | | |
| 206.84 | 605 | 182 | | | |
| 206.89 | 605 | 194 | | | |
| 206.94 | 605 | 206 | | | |
| 206.99 | 605 | 218 | | | |
| 207.04 | 605 | 230 | | | |
| 207.09 | 605 | 242 | | | |
| 207.14 | 605 | 254 | | | |
| 207.19 | 605 | 266 | | | |
| 207.24 | 605 | 278 | | | |
| 207.29 | 605 | 290 | | | |
| 207.34 | 605 | 303 | | | |
| 207.39 | 605 | 315 | | | |
| 207.44 | 605 | 327 | | | |
| 207.49 | 605 | 339 | | | |
| 207.54 | 605 | 351 | | | |
| 207.59 | 605 | 363 | | | |
| 207.64 | 605 | 375 | | | |
| 207.69 | 605 | 387 | | | |
| 207.74 | 605 | 399 | | | |
| 207.79 | 605 | 411 | | | |
| 207.84 | 605 | 424 | | | |
| 207.89 | 605 | 436 | | | |
| 207.94 | 605 | 448 | | | |
| 207.99 | 605 | 460 | | | |
| 208.04 | 605 | 472 | | | |
| 208.09 | 605 | 484 | | | |
| 208.14 | 605 | 496 | | | |
| 208.19 | 605 | 508 | | | |
| 208.24 | 605 | 520 | | | |
| 208.29 | 605 | 532 | | | |
| 208.34 | 605 | 545 | | | |
| 208.39 | 605 | 557 | | | |
| 208.44 | 605 | 569 | | | |
| 208.49 | 605 | 581 | | | |
| 208.54 | 605 | 593 | | | |
| 208.59 | 605 | 605 | | | |
| 208.64 | 605 | 617 | | | |
| 208.69 | 605 | 629 | | | |

19097 Post-Development

Prepared by Howard Stein Hudson

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Type III 24-hr 100YR Rainfall=9.06"

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Page 1

Stage-Area-Storage for Pond P207: INFILTRATION POND #3

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 192.00 | 9,371 | 0 | 194.65 | 14,061 | 31,000 |
| 192.05 | 9,459 | 471 | 194.70 | 14,152 | 31,706 |
| 192.10 | 9,546 | 946 | 194.75 | 14,244 | 32,416 |
| 192.15 | 9,634 | 1,425 | 194.80 | 14,335 | 33,130 |
| 192.20 | 9,721 | 1,909 | 194.85 | 14,426 | 33,849 |
| 192.25 | 9,809 | 2,398 | 194.90 | 14,518 | 34,573 |
| 192.30 | 9,897 | 2,890 | 194.95 | 14,609 | 35,301 |
| 192.35 | 9,984 | 3,387 | 195.00 | 14,700 | 36,034 |
| 192.40 | 10,072 | 3,889 | 195.05 | 14,791 | 36,771 |
| 192.45 | 10,159 | 4,394 | 195.10 | 14,882 | 37,513 |
| 192.50 | 10,247 | 4,905 | 195.15 | 14,974 | 38,259 |
| 192.55 | 10,335 | 5,419 | 195.20 | 15,065 | 39,010 |
| 192.60 | 10,422 | 5,938 | 195.25 | 15,156 | 39,766 |
| 192.65 | 10,510 | 6,461 | 195.30 | 15,248 | 40,526 |
| 192.70 | 10,597 | 6,989 | 195.35 | 15,339 | 41,290 |
| 192.75 | 10,685 | 7,521 | 195.40 | 15,430 | 42,060 |
| 192.80 | 10,773 | 8,057 | 195.45 | 15,521 | 42,833 |
| 192.85 | 10,860 | 8,598 | 195.50 | 15,613 | 43,612 |
| 192.90 | 10,948 | 9,143 | 195.55 | 15,704 | 44,395 |
| 192.95 | 11,035 | 9,693 | 195.60 | 15,795 | 45,182 |
| 193.00 | 11,123 | 10,247 | 195.65 | 15,886 | 45,974 |
| 193.05 | 11,211 | 10,805 | 195.70 | 15,977 | 46,771 |
| 193.10 | 11,298 | 11,368 | 195.75 | 16,069 | 47,572 |
| 193.15 | 11,386 | 11,935 | 195.80 | 16,160 | 48,378 |
| 193.20 | 11,473 | 12,507 | 195.85 | 16,251 | 49,188 |
| 193.25 | 11,561 | 13,083 | 195.90 | 16,343 | 50,003 |
| 193.30 | 11,649 | 13,663 | 195.95 | 16,434 | 50,822 |
| 193.35 | 11,736 | 14,247 | 196.00 | 16,525 | 51,646 |
| 193.40 | 11,824 | 14,836 | | | |
| 193.45 | 11,911 | 15,430 | | | |
| 193.50 | 11,999 | 16,028 | | | |
| 193.55 | 12,087 | 16,630 | | | |
| 193.60 | 12,174 | 17,236 | | | |
| 193.65 | 12,262 | 17,847 | | | |
| 193.70 | 12,349 | 18,462 | | | |
| 193.75 | 12,437 | 19,082 | | | |
| 193.80 | 12,525 | 19,706 | | | |
| 193.85 | 12,612 | 20,334 | | | |
| 193.90 | 12,700 | 20,967 | | | |
| 193.95 | 12,787 | 21,604 | | | |
| 194.00 | 12,875 | 22,246 | | | |
| 194.05 | 12,966 | 22,892 | | | |
| 194.10 | 13,057 | 23,543 | | | |
| 194.15 | 13,149 | 24,198 | | | |
| 194.20 | 13,240 | 24,857 | | | |
| 194.25 | 13,331 | 25,522 | | | |
| 194.30 | 13,423 | 26,191 | | | |
| 194.35 | 13,514 | 26,864 | | | |
| 194.40 | 13,605 | 27,542 | | | |
| 194.45 | 13,696 | 28,225 | | | |
| 194.50 | 13,788 | 28,912 | | | |
| 194.55 | 13,879 | 29,603 | | | |
| 194.60 | 13,970 | 30,299 | | | |

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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) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 202.99 | 636 | 0 | 205.64 | 636 | 674 |
| 203.04 | 636 | 13 | 205.69 | 636 | 687 |
| 203.09 | 636 | 25 | 205.74 | 636 | 700 |
| 203.14 | 636 | 38 | 205.79 | 636 | 712 |
| 203.19 | 636 | 51 | 205.84 | 636 | 725 |
| 203.24 | 636 | 64 | 205.89 | 636 | 738 |
| 203.29 | 636 | 76 | 205.94 | 636 | 750 |
| 203.34 | 636 | 89 | 205.99 | 636 | 763 |
| 203.39 | 636 | 102 | | | |
| 203.44 | 636 | 114 | | | |
| 203.49 | 636 | 127 | | | |
| 203.54 | 636 | 140 | | | |
| 203.59 | 636 | 153 | | | |
| 203.64 | 636 | 165 | | | |
| 203.69 | 636 | 178 | | | |
| 203.74 | 636 | 191 | | | |
| 203.79 | 636 | 204 | | | |
| 203.84 | 636 | 216 | | | |
| 203.89 | 636 | 229 | | | |
| 203.94 | 636 | 242 | | | |
| 203.99 | 636 | 254 | | | |
| 204.04 | 636 | 267 | | | |
| 204.09 | 636 | 280 | | | |
| 204.14 | 636 | 293 | | | |
| 204.19 | 636 | 305 | | | |
| 204.24 | 636 | 318 | | | |
| 204.29 | 636 | 331 | | | |
| 204.34 | 636 | 343 | | | |
| 204.39 | 636 | 356 | | | |
| 204.44 | 636 | 369 | | | |
| 204.49 | 636 | 382 | | | |
| 204.54 | 636 | 394 | | | |
| 204.59 | 636 | 407 | | | |
| 204.64 | 636 | 420 | | | |
| 204.69 | 636 | 432 | | | |
| 204.74 | 636 | 445 | | | |
| 204.79 | 636 | 458 | | | |
| 204.84 | 636 | 471 | | | |
| 204.89 | 636 | 483 | | | |
| 204.94 | 636 | 496 | | | |
| 204.99 | 636 | 509 | | | |
| 205.04 | 636 | 522 | | | |
| 205.09 | 636 | 534 | | | |
| 205.14 | 636 | 547 | | | |
| 205.19 | 636 | 560 | | | |
| 205.24 | 636 | 572 | | | |
| 205.29 | 636 | 585 | | | |
| 205.34 | 636 | 598 | | | |
| 205.39 | 636 | 611 | | | |
| 205.44 | 636 | 623 | | | |
| 205.49 | 636 | 636 | | | |
| 205.54 | 636 | 649 | | | |
| 205.59 | 636 | 661 | | | |

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Stage-Area-Storage for Pond DE32: DRIP #32

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 208.49 | 270 | 0 | 211.14 | 270 | 286 |
| 208.54 | 270 | 5 | 211.19 | 270 | 292 |
| 208.59 | 270 | 11 | 211.24 | 270 | 297 |
| 208.64 | 270 | 16 | 211.29 | 270 | 302 |
| 208.69 | 270 | 22 | 211.34 | 270 | 308 |
| 208.74 | 270 | 27 | 211.39 | 270 | 313 |
| 208.79 | 270 | 32 | 211.44 | 270 | 319 |
| 208.84 | 270 | 38 | 211.49 | 270 | 324 |
| 208.89 | 270 | 43 | | | |
| 208.94 | 270 | 49 | | | |
| 208.99 | 270 | 54 | | | |
| 209.04 | 270 | 59 | | | |
| 209.09 | 270 | 65 | | | |
| 209.14 | 270 | 70 | | | |
| 209.19 | 270 | 76 | | | |
| 209.24 | 270 | 81 | | | |
| 209.29 | 270 | 86 | | | |
| 209.34 | 270 | 92 | | | |
| 209.39 | 270 | 97 | | | |
| 209.44 | 270 | 103 | | | |
| 209.49 | 270 | 108 | | | |
| 209.54 | 270 | 113 | | | |
| 209.59 | 270 | 119 | | | |
| 209.64 | 270 | 124 | | | |
| 209.69 | 270 | 130 | | | |
| 209.74 | 270 | 135 | | | |
| 209.79 | 270 | 140 | | | |
| 209.84 | 270 | 146 | | | |
| 209.89 | 270 | 151 | | | |
| 209.94 | 270 | 157 | | | |
| 209.99 | 270 | 162 | | | |
| 210.04 | 270 | 167 | | | |
| 210.09 | 270 | 173 | | | |
| 210.14 | 270 | 178 | | | |
| 210.19 | 270 | 184 | | | |
| 210.24 | 270 | 189 | | | |
| 210.29 | 270 | 194 | | | |
| 210.34 | 270 | 200 | | | |
| 210.39 | 270 | 205 | | | |
| 210.44 | 270 | 211 | | | |
| 210.49 | 270 | 216 | | | |
| 210.54 | 270 | 221 | | | |
| 210.59 | 270 | 227 | | | |
| 210.64 | 270 | 232 | | | |
| 210.69 | 270 | 238 | | | |
| 210.74 | 270 | 243 | | | |
| 210.79 | 270 | 248 | | | |
| 210.84 | 270 | 254 | | | |
| 210.89 | 270 | 259 | | | |
| 210.94 | 270 | 265 | | | |
| 210.99 | 270 | 270 | | | |
| 211.04 | 270 | 275 | | | |
| 211.09 | 270 | 281 | | | |

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Stage-Area-Storage for Pond DEB1: DRIP #B1

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 201.99 | 2,035 | 0 | 204.64 | 2,035 | 2,157 |
| 202.04 | 2,035 | 41 | 204.69 | 2,035 | 2,198 |
| 202.09 | 2,035 | 81 | 204.74 | 2,035 | 2,239 |
| 202.14 | 2,035 | 122 | 204.79 | 2,035 | 2,279 |
| 202.19 | 2,035 | 163 | 204.84 | 2,035 | 2,320 |
| 202.24 | 2,035 | 204 | 204.89 | 2,035 | 2,361 |
| 202.29 | 2,035 | 244 | 204.94 | 2,035 | 2,401 |
| 202.34 | 2,035 | 285 | 204.99 | 2,035 | 2,442 |
| 202.39 | 2,035 | 326 | 205.04 | 2,035 | 2,483 |
| 202.44 | 2,035 | 366 | 205.09 | 2,035 | 2,523 |
| 202.49 | 2,035 | 407 | 205.14 | 2,035 | 2,564 |
| 202.54 | 2,035 | 448 | 205.19 | 2,035 | 2,605 |
| 202.59 | 2,035 | 488 | 205.24 | 2,035 | 2,646 |
| 202.64 | 2,035 | 529 | 205.29 | 2,035 | 2,686 |
| 202.69 | 2,035 | 570 | 205.34 | 2,035 | 2,727 |
| 202.74 | 2,035 | 611 | 205.39 | 2,035 | 2,768 |
| 202.79 | 2,035 | 651 | 205.44 | 2,035 | 2,808 |
| 202.84 | 2,035 | 692 | 205.49 | 2,035 | 2,849 |
| 202.89 | 2,035 | 733 | 205.54 | 2,035 | 2,890 |
| 202.94 | 2,035 | 773 | 205.59 | 2,035 | 2,930 |
| 202.99 | 2,035 | 814 | 205.64 | 2,035 | 2,971 |
| 203.04 | 2,035 | 855 | 205.69 | 2,035 | 3,012 |
| 203.09 | 2,035 | 895 | 205.74 | 2,035 | 3,053 |
| 203.14 | 2,035 | 936 | 205.79 | 2,035 | 3,093 |
| 203.19 | 2,035 | 977 | 205.84 | 2,035 | 3,134 |
| 203.24 | 2,035 | 1,018 | 205.89 | 2,035 | 3,175 |
| 203.29 | 2,035 | 1,058 | 205.94 | 2,035 | 3,215 |
| 203.34 | 2,035 | 1,099 | 205.99 | 2,035 | 3,256 |
| 203.39 | 2,035 | 1,140 | | | |
| 203.44 | 2,035 | 1,180 | | | |
| 203.49 | 2,035 | 1,221 | | | |
| 203.54 | 2,035 | 1,262 | | | |
| 203.59 | 2,035 | 1,302 | | | |
| 203.64 | 2,035 | 1,343 | | | |
| 203.69 | 2,035 | 1,384 | | | |
| 203.74 | 2,035 | 1,425 | | | |
| 203.79 | 2,035 | 1,465 | | | |
| 203.84 | 2,035 | 1,506 | | | |
| 203.89 | 2,035 | 1,547 | | | |
| 203.94 | 2,035 | 1,587 | | | |
| 203.99 | 2,035 | 1,628 | | | |
| 204.04 | 2,035 | 1,669 | | | |
| 204.09 | 2,035 | 1,709 | | | |
| 204.14 | 2,035 | 1,750 | | | |
| 204.19 | 2,035 | 1,791 | | | |
| 204.24 | 2,035 | 1,832 | | | |
| 204.29 | 2,035 | 1,872 | | | |
| 204.34 | 2,035 | 1,913 | | | |
| 204.39 | 2,035 | 1,954 | | | |
| 204.44 | 2,035 | 1,994 | | | |
| 204.49 | 2,035 | 2,035 | | | |
| 204.54 | 2,035 | 2,076 | | | |
| 204.59 | 2,035 | 2,116 | | | |

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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) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 194.00 | 3,927 | 0 | 196.65 | 3,927 | 5,524 |
| 194.05 | 3,927 | 79 | 196.70 | 3,927 | 5,603 |
| 194.10 | 3,927 | 157 | 196.75 | 3,927 | 5,681 |
| 194.15 | 3,927 | 236 | 196.80 | 3,927 | 5,760 |
| 194.20 | 3,927 | 314 | | | |
| 194.25 | 3,927 | 393 | | | |
| 194.30 | 3,927 | 471 | | | |
| 194.35 | 3,927 | 550 | | | |
| 194.40 | 3,927 | 628 | | | |
| 194.45 | 3,927 | 707 | | | |
| 194.50 | 3,927 | 785 | | | |
| 194.55 | 3,927 | 864 | | | |
| 194.60 | 3,927 | 942 | | | |
| 194.65 | 3,927 | 1,021 | | | |
| 194.70 | 3,927 | 1,099 | | | |
| 194.75 | 3,927 | 1,178 | | | |
| 194.80 | 3,927 | 1,257 | | | |
| 194.85 | 3,927 | 1,335 | | | |
| 194.90 | 3,927 | 1,414 | | | |
| 194.95 | 3,927 | 1,492 | | | |
| 195.00 | 3,927 | 1,571 | | | |
| 195.05 | 3,927 | 1,728 | | | |
| 195.10 | 3,927 | 1,885 | | | |
| 195.15 | 3,927 | 2,042 | | | |
| 195.20 | 3,927 | 2,197 | | | |
| 195.25 | 3,927 | 2,350 | | | |
| 195.30 | 3,927 | 2,503 | | | |
| 195.35 | 3,927 | 2,654 | | | |
| 195.40 | 3,927 | 2,803 | | | |
| 195.45 | 3,927 | 2,950 | | | |
| 195.50 | 3,927 | 3,095 | | | |
| 195.55 | 3,927 | 3,239 | | | |
| 195.60 | 3,927 | 3,380 | | | |
| 195.65 | 3,927 | 3,519 | | | |
| 195.70 | 3,927 | 3,655 | | | |
| 195.75 | 3,927 | 3,789 | | | |
| 195.80 | 3,927 | 3,920 | | | |
| 195.85 | 3,927 | 4,048 | | | |
| 195.90 | 3,927 | 4,172 | | | |
| 195.95 | 3,927 | 4,292 | | | |
| 196.00 | 3,927 | 4,407 | | | |
| 196.05 | 3,927 | 4,517 | | | |
| 196.10 | 3,927 | 4,619 | | | |
| 196.15 | 3,927 | 4,715 | | | |
| 196.20 | 3,927 | 4,805 | | | |
| 196.25 | 3,927 | 4,891 | | | |
| 196.30 | 3,927 | 4,974 | | | |
| 196.35 | 3,927 | 5,053 | | | |
| 196.40 | 3,927 | 5,132 | | | |
| 196.45 | 3,927 | 5,210 | | | |
| 196.50 | 3,927 | 5,289 | | | |
| 196.55 | 3,927 | 5,367 | | | |
| 196.60 | 3,927 | 5,446 | | | |

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Stage-Area-Storage for Pond P205: INFILTRATION POND #5

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|
| 195.00 | 4,110 | 0 |
| 195.10 | 4,219 | 416 |
| 195.20 | 4,329 | 844 |
| 195.30 | 4,439 | 1,282 |
| 195.40 | 4,548 | 1,732 |
| 195.50 | 4,658 | 2,192 |
| 195.60 | 4,767 | 2,663 |
| 195.70 | 4,876 | 3,145 |
| 195.80 | 4,986 | 3,638 |
| 195.90 | 5,096 | 4,142 |
| 196.00 | 5,205 | 4,658 |
| 196.10 | 5,327 | 5,184 |
| 196.20 | 5,450 | 5,723 |
| 196.30 | 5,572 | 6,274 |
| 196.40 | 5,694 | 6,837 |
| 196.50 | 5,817 | 7,413 |
| 196.60 | 5,939 | 8,001 |
| 196.70 | 6,061 | 8,601 |
| 196.80 | 6,184 | 9,213 |
| 196.90 | 6,306 | 9,838 |
| 197.00 | 6,429 | 10,474 |
| 197.10 | 6,551 | 11,123 |
| 197.20 | 6,673 | 11,784 |
| 197.30 | 6,796 | 12,458 |
| 197.40 | 6,918 | 13,144 |
| 197.50 | 7,040 | 13,841 |
| 197.60 | 7,163 | 14,552 |
| 197.70 | 7,285 | 15,274 |
| 197.80 | 7,407 | 16,009 |
| 197.90 | 7,530 | 16,755 |
| 198.00 | 7,652 | 17,515 |
| 198.10 | 7,788 | 18,287 |
| 198.20 | 7,925 | 19,072 |
| 198.30 | 8,061 | 19,871 |
| 198.40 | 8,198 | 20,684 |
| 198.50 | 8,334 | 21,511 |
| 198.60 | 8,470 | 22,351 |
| 198.70 | 8,607 | 23,205 |
| 198.80 | 8,743 | 24,073 |
| 198.90 | 8,880 | 24,954 |
| 199.00 | 9,016 | 25,849 |
| 199.10 | 9,152 | 26,757 |
| 199.20 | 9,289 | 27,679 |
| 199.30 | 9,425 | 28,615 |
| 199.40 | 9,562 | 29,564 |
| 199.50 | 9,698 | 30,527 |
| 199.60 | 9,834 | 31,504 |
| 199.70 | 9,971 | 32,494 |
| 199.80 | 10,107 | 33,498 |
| 199.90 | 10,244 | 34,515 |
| 200.00 | 10,380 | 35,547 |
| 200.10 | 10,524 | 36,592 |
| 200.20 | 10,667 | 37,651 |

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Stage-Area-Storage for Pond P206: INFILTRATION POND #4

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|
| 195.50 | 3,860 | 0 |
| 195.55 | 3,957 | 195 |
| 195.60 | 4,054 | 396 |
| 195.65 | 4,151 | 601 |
| 195.70 | 4,248 | 811 |
| 195.75 | 4,345 | 1,026 |
| 195.80 | 4,442 | 1,245 |
| 195.85 | 4,539 | 1,470 |
| 195.90 | 4,636 | 1,699 |
| 195.95 | 4,733 | 1,933 |
| 196.00 | 4,830 | 2,173 |
| 196.05 | 4,888 | 2,415 |
| 196.10 | 4,946 | 2,661 |
| 196.15 | 5,005 | 2,910 |
| 196.20 | 5,063 | 3,162 |
| 196.25 | 5,121 | 3,416 |
| 196.30 | 5,180 | 3,674 |
| 196.35 | 5,238 | 3,934 |
| 196.40 | 5,296 | 4,198 |
| 196.45 | 5,354 | 4,464 |
| 196.50 | 5,413 | 4,733 |
| 196.55 | 5,471 | 5,005 |
| 196.60 | 5,529 | 5,280 |
| 196.65 | 5,587 | 5,558 |
| 196.70 | 5,645 | 5,839 |
| 196.75 | 5,704 | 6,123 |
| 196.80 | 5,762 | 6,409 |
| 196.85 | 5,820 | 6,699 |
| 196.90 | 5,879 | 6,991 |
| 196.95 | 5,937 | 7,287 |
| 197.00 | 5,995 | 7,585 |
| 197.05 | 6,053 | 7,886 |
| 197.10 | 6,111 | 8,190 |
| 197.15 | 6,170 | 8,497 |
| 197.20 | 6,228 | 8,807 |
| 197.25 | 6,286 | 9,120 |
| 197.30 | 6,345 | 9,436 |
| 197.35 | 6,403 | 9,755 |
| 197.40 | 6,461 | 10,076 |
| 197.45 | 6,519 | 10,401 |
| 197.50 | 6,578 | 10,728 |
| 197.55 | 6,636 | 11,058 |
| 197.60 | 6,694 | 11,392 |
| 197.65 | 6,752 | 11,728 |
| 197.70 | 6,810 | 12,067 |
| 197.75 | 6,869 | 12,409 |
| 197.80 | 6,927 | 12,754 |
| 197.85 | 6,985 | 13,102 |
| 197.90 | 7,044 | 13,452 |
| 197.95 | 7,102 | 13,806 |
| 198.00 | 7,160 | 14,163 |

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Stage-Area-Storage for Pond P207: INFILTRATION POND #3

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 192.00 | 10,200 | 0 | 194.65 | 14,971 | 32,953 |
| 192.05 | 10,283 | 512 | 194.70 | 15,084 | 33,705 |
| 192.10 | 10,365 | 1,028 | 194.75 | 15,198 | 34,462 |
| 192.15 | 10,448 | 1,549 | 194.80 | 15,311 | 35,224 |
| 192.20 | 10,530 | 2,073 | 194.85 | 15,424 | 35,993 |
| 192.25 | 10,613 | 2,602 | 194.90 | 15,537 | 36,767 |
| 192.30 | 10,695 | 3,134 | 194.95 | 15,650 | 37,546 |
| 192.35 | 10,777 | 3,671 | 195.00 | 15,764 | 38,332 |
| 192.40 | 10,860 | 4,212 | 195.05 | 15,877 | 39,123 |
| 192.45 | 10,942 | 4,757 | 195.10 | 15,990 | 39,919 |
| 192.50 | 11,025 | 5,306 | 195.15 | 16,103 | 40,722 |
| 192.55 | 11,108 | 5,860 | 195.20 | 16,216 | 41,530 |
| 192.60 | 11,190 | 6,417 | 195.25 | 16,329 | 42,343 |
| 192.65 | 11,273 | 6,979 | 195.30 | 16,443 | 43,163 |
| 192.70 | 11,355 | 7,544 | 195.35 | 16,556 | 43,988 |
| 192.75 | 11,438 | 8,114 | 195.40 | 16,669 | 44,818 |
| 192.80 | 11,520 | 8,688 | 195.45 | 16,782 | 45,655 |
| 192.85 | 11,602 | 9,266 | 195.50 | 16,895 | 46,496 |
| 192.90 | 11,685 | 9,848 | 195.55 | 17,008 | 47,344 |
| 192.95 | 11,767 | 10,435 | 195.60 | 17,122 | 48,197 |
| 193.00 | 11,850 | 11,025 | 195.65 | 17,235 | 49,056 |
| 193.05 | 11,933 | 11,620 | 195.70 | 17,348 | 49,921 |
| 193.10 | 12,015 | 12,218 | 195.75 | 17,461 | 50,791 |
| 193.15 | 12,098 | 12,821 | 195.80 | 17,574 | 51,667 |
| 193.20 | 12,180 | 13,428 | 195.85 | 17,687 | 52,548 |
| 193.25 | 12,263 | 14,039 | 195.90 | 17,801 | 53,436 |
| 193.30 | 12,345 | 14,654 | 195.95 | 17,914 | 54,328 |
| 193.35 | 12,427 | 15,274 | 196.00 | 18,027 | 55,227 |
| 193.40 | 12,510 | 15,897 | | | |
| 193.45 | 12,592 | 16,525 | | | |
| 193.50 | 12,675 | 17,156 | | | |
| 193.55 | 12,758 | 17,792 | | | |
| 193.60 | 12,840 | 18,432 | | | |
| 193.65 | 12,923 | 19,076 | | | |
| 193.70 | 13,005 | 19,724 | | | |
| 193.75 | 13,088 | 20,377 | | | |
| 193.80 | 13,170 | 21,033 | | | |
| 193.85 | 13,252 | 21,694 | | | |
| 193.90 | 13,335 | 22,358 | | | |
| 193.95 | 13,417 | 23,027 | | | |
| 194.00 | 13,500 | 23,700 | | | |
| 194.05 | 13,613 | 24,378 | | | |
| 194.10 | 13,726 | 25,061 | | | |
| 194.15 | 13,840 | 25,750 | | | |
| 194.20 | 13,953 | 26,445 | | | |
| 194.25 | 14,066 | 27,146 | | | |
| 194.30 | 14,179 | 27,852 | | | |
| 194.35 | 14,292 | 28,564 | | | |
| 194.40 | 14,405 | 29,281 | | | |
| 194.45 | 14,519 | 30,004 | | | |
| 194.50 | 14,632 | 30,733 | | | |
| 194.55 | 14,745 | 31,467 | | | |
| 194.60 | 14,858 | 32,207 | | | |

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Stage-Area-Storage for Pond P210: INFILTRATION POND #1

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|
| 204.00 | 5,368 | 0 |
| 204.05 | 5,430 | 270 |
| 204.10 | 5,491 | 543 |
| 204.15 | 5,553 | 819 |
| 204.20 | 5,615 | 1,098 |
| 204.25 | 5,676 | 1,381 |
| 204.30 | 5,738 | 1,666 |
| 204.35 | 5,800 | 1,954 |
| 204.40 | 5,861 | 2,246 |
| 204.45 | 5,923 | 2,540 |
| 204.50 | 5,985 | 2,838 |
| 204.55 | 6,046 | 3,139 |
| 204.60 | 6,108 | 3,443 |
| 204.65 | 6,170 | 3,750 |
| 204.70 | 6,231 | 4,060 |
| 204.75 | 6,293 | 4,373 |
| 204.80 | 6,355 | 4,689 |
| 204.85 | 6,416 | 5,008 |
| 204.90 | 6,478 | 5,331 |
| 204.95 | 6,540 | 5,656 |
| 205.00 | 6,602 | 5,985 |
| 205.05 | 6,663 | 6,316 |
| 205.10 | 6,725 | 6,651 |
| 205.15 | 6,787 | 6,989 |
| 205.20 | 6,848 | 7,330 |
| 205.25 | 6,910 | 7,674 |
| 205.30 | 6,972 | 8,021 |
| 205.35 | 7,033 | 8,371 |
| 205.40 | 7,095 | 8,724 |
| 205.45 | 7,157 | 9,080 |
| 205.50 | 7,218 | 9,440 |
| 205.55 | 7,280 | 9,802 |
| 205.60 | 7,342 | 10,168 |
| 205.65 | 7,403 | 10,536 |
| 205.70 | 7,465 | 10,908 |
| 205.75 | 7,527 | 11,283 |
| 205.80 | 7,588 | 11,661 |
| 205.85 | 7,650 | 12,042 |
| 205.90 | 7,712 | 12,426 |
| 205.95 | 7,773 | 12,813 |
| 206.00 | 7,835 | 13,203 |
| 206.05 | 7,940 | 13,597 |
| 206.10 | 8,045 | 13,997 |
| 206.15 | 8,150 | 14,402 |
| 206.20 | 8,255 | 14,812 |
| 206.25 | 8,360 | 15,227 |
| 206.30 | 8,464 | 15,648 |
| 206.35 | 8,569 | 16,074 |
| 206.40 | 8,674 | 16,505 |
| 206.45 | 8,779 | 16,941 |
| 206.50 | 8,884 | 17,383 |

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Stage-Area-Storage for Pond P212: INFILTRATION POND #2

| Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) | Elevation (feet) | Surface (sq-ft) | Storage (cubic-feet) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 200.00 | 2,737 | 0 | 202.65 | 11,372 | 21,710 |
| 200.05 | 3,014 | 144 | 202.70 | 11,466 | 22,281 |
| 200.10 | 3,290 | 301 | 202.75 | 11,560 | 22,857 |
| 200.15 | 3,567 | 473 | 202.80 | 11,654 | 23,437 |
| 200.20 | 3,844 | 658 | 202.85 | 11,748 | 24,022 |
| 200.25 | 4,121 | 857 | 202.90 | 11,842 | 24,612 |
| 200.30 | 4,398 | 1,070 | 202.95 | 11,936 | 25,206 |
| 200.35 | 4,674 | 1,297 | 203.00 | 12,030 | 25,805 |
| 200.40 | 4,951 | 1,538 | 203.05 | 12,123 | 26,409 |
| 200.45 | 5,228 | 1,792 | 203.10 | 12,217 | 27,018 |
| 200.50 | 5,505 | 2,060 | 203.15 | 12,311 | 27,631 |
| 200.55 | 5,781 | 2,343 | 203.20 | 12,405 | 28,249 |
| 200.60 | 6,058 | 2,638 | 203.25 | 12,499 | 28,871 |
| 200.65 | 6,335 | 2,948 | 203.30 | 12,593 | 29,499 |
| 200.70 | 6,611 | 3,272 | 203.35 | 12,687 | 30,131 |
| 200.75 | 6,888 | 3,609 | 203.40 | 12,781 | 30,767 |
| 200.80 | 7,165 | 3,961 | 203.45 | 12,875 | 31,409 |
| 200.85 | 7,442 | 4,326 | 203.50 | 12,969 | 32,055 |
| 200.90 | 7,719 | 4,705 | 203.55 | 13,063 | 32,706 |
| 200.95 | 7,995 | 5,098 | 203.60 | 13,157 | 33,361 |
| 201.00 | 8,272 | 5,505 | 203.65 | 13,251 | 34,021 |
| 201.05 | 8,366 | 5,920 | 203.70 | 13,345 | 34,686 |
| 201.10 | 8,460 | 6,341 | 203.75 | 13,439 | 35,356 |
| 201.15 | 8,554 | 6,766 | 203.80 | 13,533 | 36,030 |
| 201.20 | 8,648 | 7,196 | 203.85 | 13,627 | 36,709 |
| 201.25 | 8,742 | 7,631 | 203.90 | 13,721 | 37,393 |
| 201.30 | 8,835 | 8,071 | 203.95 | 13,815 | 38,081 |
| 201.35 | 8,929 | 8,515 | 204.00 | 13,909 | 38,775 |
| 201.40 | 9,023 | 8,964 | | | |
| 201.45 | 9,117 | 9,417 | | | |
| 201.50 | 9,211 | 9,875 | | | |
| 201.55 | 9,305 | 10,338 | | | |
| 201.60 | 9,399 | 10,806 | | | |
| 201.65 | 9,493 | 11,278 | | | |
| 201.70 | 9,587 | 11,755 | | | |
| 201.75 | 9,681 | 12,237 | | | |
| 201.80 | 9,774 | 12,723 | | | |
| 201.85 | 9,868 | 13,214 | | | |
| 201.90 | 9,962 | 13,710 | | | |
| 201.95 | 10,056 | 14,210 | | | |
| 202.00 | 10,150 | 14,716 | | | |
| 202.05 | 10,244 | 15,225 | | | |
| 202.10 | 10,338 | 15,740 | | | |
| 202.15 | 10,432 | 16,259 | | | |
| 202.20 | 10,526 | 16,783 | | | |
| 202.25 | 10,620 | 17,312 | | | |
| 202.30 | 10,714 | 17,845 | | | |
| 202.35 | 10,808 | 18,383 | | | |
| 202.40 | 10,902 | 18,926 | | | |
| 202.45 | 10,996 | 19,473 | | | |
| 202.50 | 11,090 | 20,025 | | | |
| 202.55 | 11,184 | 20,582 | | | |
| 202.60 | 11,278 | 21,144 | | | |

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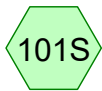
Type III 24-hr 100YR Rainfall=9.06"

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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) |
|---------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
| 212.29 | 471 | 0 | 213.35 | 471 | 200 |
| 212.31 | 471 | 4 | 213.37 | 471 | 203 |
| 212.33 | 471 | 8 | 213.39 | 471 | 207 |
| 212.35 | 471 | 11 | 213.41 | 471 | 211 |
| 212.37 | 471 | 15 | 213.43 | 471 | 215 |
| 212.39 | 471 | 19 | 213.45 | 471 | 219 |
| 212.41 | 471 | 23 | 213.47 | 471 | 222 |
| 212.43 | 471 | 26 | 213.49 | 471 | 226 |
| 212.45 | 471 | 30 | 213.51 | 471 | 230 |
| 212.47 | 471 | 34 | 213.53 | 471 | 234 |
| 212.49 | 471 | 38 | 213.55 | 471 | 237 |
| 212.51 | 471 | 41 | 213.57 | 471 | 241 |
| 212.53 | 471 | 45 | 213.59 | 471 | 245 |
| 212.55 | 471 | 49 | 213.61 | 471 | 249 |
| 212.57 | 471 | 53 | 213.63 | 471 | 252 |
| 212.59 | 471 | 57 | 213.65 | 471 | 256 |
| 212.61 | 471 | 60 | 213.67 | 471 | 260 |
| 212.63 | 471 | 64 | 213.69 | 471 | 264 |
| 212.65 | 471 | 68 | 213.71 | 471 | 268 |
| 212.67 | 471 | 72 | 213.73 | 471 | 271 |
| 212.69 | 471 | 75 | 213.75 | 471 | 275 |
| 212.71 | 471 | 79 | 213.77 | 471 | 279 |
| 212.73 | 471 | 83 | 213.79 | 471 | 283 |
| 212.75 | 471 | 87 | 213.81 | 471 | 286 |
| 212.77 | 471 | 90 | 213.83 | 471 | 290 |
| 212.79 | 471 | 94 | 213.85 | 471 | 294 |
| 212.81 | 471 | 98 | 213.87 | 471 | 298 |
| 212.83 | 471 | 102 | 213.89 | 471 | 301 |
| 212.85 | 471 | 106 | 213.91 | 471 | 305 |
| 212.87 | 471 | 109 | 213.93 | 471 | 309 |
| 212.89 | 471 | 113 | 213.95 | 471 | 313 |
| 212.91 | 471 | 117 | 213.97 | 471 | 317 |
| 212.93 | 471 | 121 | 213.99 | 471 | 320 |
| 212.95 | 471 | 124 | 214.01 | 471 | 324 |
| 212.97 | 471 | 128 | 214.03 | 471 | 328 |
| 212.99 | 471 | 132 | 214.05 | 471 | 332 |
| 213.01 | 471 | 136 | 214.07 | 471 | 335 |
| 213.03 | 471 | 139 | 214.09 | 471 | 339 |
| 213.05 | 471 | 143 | 214.11 | 471 | 343 |
| 213.07 | 471 | 147 | 214.13 | 471 | 347 |
| 213.09 | 471 | 151 | 214.15 | 471 | 350 |
| 213.11 | 471 | 154 | 214.17 | 471 | 354 |
| 213.13 | 471 | 158 | 214.19 | 471 | 358 |
| 213.15 | 471 | 162 | 214.21 | 471 | 362 |
| 213.17 | 471 | 166 | 214.23 | 471 | 365 |
| 213.19 | 471 | 170 | 214.25 | 471 | 369 |
| 213.21 | 471 | 173 | 214.27 | 471 | 373 |
| 213.23 | 471 | 177 | 214.29 | 471 | 377 |
| 213.25 | 471 | 181 | | | |
| 213.27 | 471 | 185 | | | |
| 213.29 | 471 | 188 | | | |
| 213.31 | 471 | 192 | | | |
| 213.33 | 471 | 196 | | | |



SUMMER STREET
(SOUTH)



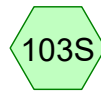
ANALYSIS POINT 1



OVERLAND TO TRAIN
TRACKS (EAST)



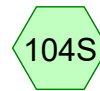
ANALYSIS POINT 2



ISOLATED WETLAND
(NORTHEAST)



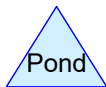
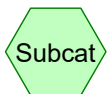
ANALYSIS POINT 3



REMAINING LAND
(NORTH - RIVER)



ANALYSIS POINT 4



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Project Notes

Rainfall events imported from "19097 Post-Development.hcp"

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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) |
|------------------|-----------|---|
| 144,197 | 68 | 1 acre lots, 20% imp, HSG B (102S, 104S) |
| 3,612 | 61 | >75% Grass cover, Good, HSG B (101S) |
| 99,416 | 30 | Brush, Good, HSG A (103S, 104S) |
| 171,031 | 48 | Brush, Good, HSG B (102S) |
| 18,865 | 65 | Brush, Good, HSG C (102S, 104S) |
| 14,285 | 73 | Brush, Good, HSG D (102S, 103S) |
| 1,262 | 96 | Gravel surface, HSG B (101S) |
| 41,108 | 98 | Paved parking, HSG B (101S, 102S) |
| 2,395 | 98 | Water Surface, 0% imp, HSG A (103S) |
| 25,210 | 98 | Water Surface, 0% imp, HSG B (102S) |
| 169,001 | 98 | Water Surface, 0% imp, HSG C (102S, 104S) |
| 247,266 | 98 | Water Surface, 0% imp, HSG D (102S, 103S, 104S) |
| 198,950 | 30 | Woods, Good, HSG A (103S, 104S) |
| 394,352 | 55 | Woods, Good, HSG B (102S, 104S) |
| 509,528 | 70 | Woods, Good, HSG C (102S, 103S, 104S) |
| 541,267 | 77 | Woods, Good, HSG D (102S, 103S, 104S) |
| 2,581,745 | 68 | TOTAL AREA |

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Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|------------------|---------------|-------------------------|
| 300,761 | HSG A | 103S, 104S |
| 780,772 | HSG B | 101S, 102S, 104S |
| 697,394 | HSG C | 102S, 103S, 104S |
| 802,818 | HSG D | 102S, 103S, 104S |
| 0 | Other | |
| 2,581,745 | | 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=8,256 sf 40.96% Impervious Runoff Depth>1.59"
Tc=6.0 min CN=82 Runoff=0.35 cfs 1,096 cf

Subcatchment 102S: OVERLAND TO Runoff Area=969,625 sf 4.91% Impervious Runoff Depth>0.96"
Flow Length=1,531' Tc=44.5 min CN=72 Runoff=10.95 cfs 77,666 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>1.08"
Tc=6.0 min CN=74 Runoff=2.87 cfs 9,482 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>0.63"
Flow Length=987' Tc=28.6 min CN=65 Runoff=11.91 cfs 78,533 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.35 cfs 1,096 cf
Primary=0.35 cfs 1,096 cf

Link AP2: ANALYSIS POINT 2 Inflow=10.95 cfs 77,666 cf
Primary=10.95 cfs 77,666 cf

Link AP3: ANALYSIS POINT 3 Inflow=2.87 cfs 9,482 cf
Primary=2.87 cfs 9,482 cf

Link AP4: ANALYSIS POINT 4 Inflow=11.91 cfs 78,533 cf
Primary=11.91 cfs 78,533 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 166,776 cf Average Runoff Depth = 0.78"
97.29% Pervious = 2,511,798 sf 2.71% Impervious = 69,947 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 = 0.35 cfs @ 12.09 hrs, Volume= 1,096 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 |
|-----------|----|-------------------------------|
| 3,612 | 61 | >75% Grass cover, Good, HSG B |
| 3,382 | 98 | Paved parking, HSG B |
| 1,262 | 96 | Gravel surface, HSG B |
| 8,256 | 82 | Weighted Average |
| 4,874 | | 59.04% Pervious Area |
| 3,382 | | 40.96% 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 = 10.95 cfs @ 12.67 hrs, Volume= 77,666 cf, Depth> 0.96"

Runoff 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 |
|-----------|----|------------------------------|
| 171,031 | 48 | Brush, Good, HSG B |
| 159,669 | 55 | Woods, Good, HSG B |
| 37,726 | 98 | Paved parking, HSG B |
| 25,210 | 98 | Water Surface, 0% imp, HSG B |
| 49,311 | 68 | 1 acre lots, 20% imp, HSG B |
| 15,945 | 65 | Brush, Good, HSG C |
| 235,444 | 70 | Woods, Good, HSG C |
| 117,580 | 98 | Water Surface, 0% imp, HSG C |
| 9,642 | 73 | Brush, Good, HSG D |
| 24,894 | 77 | Woods, Good, HSG D |
| 123,173 | 98 | Water Surface, 0% imp, HSG D |
| 969,625 | 72 | Weighted Average |
| 922,037 | | 95.09% Pervious Area |
| 47,588 | | 4.91% 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 = 2.87 cfs @ 12.10 hrs, Volume= 9,482 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 |
|-----------|----|------------------------------|
| 5,813 | 30 | Brush, Good, HSG A |
| 1,850 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 12,011 | 70 | Woods, Good, HSG C |
| 4,643 | 73 | Brush, Good, HSG D |
| 71,972 | 77 | Woods, Good, HSG D |
| 6,410 | 98 | Water Surface, 0% imp, HSG D |
| 105,094 | 74 | 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 = 11.91 cfs @ 12.49 hrs, Volume= 78,533 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 |
|-----------|----|------------------------------|
| 93,603 | 30 | Brush, Good, HSG A |
| 193,683 | 30 | Woods, Good, HSG A |
| 3,417 | 30 | Woods, Good, HSG A |
| 233,993 | 55 | Woods, Good, HSG B |
| 690 | 55 | Woods, Good, HSG B |
| 94,886 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,920 | 65 | Brush, Good, HSG C |
| 262,073 | 70 | Woods, Good, HSG C |
| 51,421 | 98 | Water Surface, 0% imp, HSG C |
| 444,401 | 77 | Woods, Good, HSG D |
| 117,683 | 98 | Water Surface, 0% imp, HSG D |
| 1,498,770 | 65 | Weighted Average |
| 1,479,793 | | 98.73% Pervious Area |
| 18,977 | | 1.27% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 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 = 8,256 sf, 40.96% Impervious, Inflow Depth > 1.59" for 2YR event
Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,096 cf
Primary = 0.35 cfs @ 12.09 hrs, Volume= 1,096 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 = 969,625 sf, 4.91% Impervious, Inflow Depth > 0.96" for 2YR event
Inflow = 10.95 cfs @ 12.67 hrs, Volume= 77,666 cf
Primary = 10.95 cfs @ 12.67 hrs, Volume= 77,666 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 > 1.08" for 2YR event
Inflow = 2.87 cfs @ 12.10 hrs, Volume= 9,482 cf
Primary = 2.87 cfs @ 12.10 hrs, Volume= 9,482 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 > 0.63" for 2YR event
Inflow = 11.91 cfs @ 12.49 hrs, Volume= 78,533 cf
Primary = 11.91 cfs @ 12.49 hrs, Volume= 78,533 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=8,256 sf 40.96% Impervious Runoff Depth>3.04"
Tc=6.0 min CN=82 Runoff=0.66 cfs 2,092 cf

Subcatchment 102S: OVERLAND TO Runoff Area=969,625 sf 4.91% Impervious Runoff Depth>2.14"
Flow Length=1,531' Tc=44.5 min CN=72 Runoff=25.94 cfs 173,281 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>2.33"
Tc=6.0 min CN=74 Runoff=6.44 cfs 20,407 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>1.61"
Flow Length=987' Tc=28.6 min CN=65 Runoff=35.80 cfs 201,702 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.66 cfs 2,092 cf
Primary=0.66 cfs 2,092 cf

Link AP2: ANALYSIS POINT 2 Inflow=25.94 cfs 173,281 cf
Primary=25.94 cfs 173,281 cf

Link AP3: ANALYSIS POINT 3 Inflow=6.44 cfs 20,407 cf
Primary=6.44 cfs 20,407 cf

Link AP4: ANALYSIS POINT 4 Inflow=35.80 cfs 201,702 cf
Primary=35.80 cfs 201,702 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 397,481 cf Average Runoff Depth = 1.85"
97.29% Pervious = 2,511,798 sf 2.71% Impervious = 69,947 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 = 0.66 cfs @ 12.09 hrs, Volume= 2,092 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 |
|-----------|----|-------------------------------|
| 3,612 | 61 | >75% Grass cover, Good, HSG B |
| 3,382 | 98 | Paved parking, HSG B |
| 1,262 | 96 | Gravel surface, HSG B |
| 8,256 | 82 | Weighted Average |
| 4,874 | | 59.04% Pervious Area |
| 3,382 | | 40.96% 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 = 25.94 cfs @ 12.63 hrs, Volume= 173,281 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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 171,031 | 48 | Brush, Good, HSG B |
| 159,669 | 55 | Woods, Good, HSG B |
| 37,726 | 98 | Paved parking, HSG B |
| 25,210 | 98 | Water Surface, 0% imp, HSG B |
| 49,311 | 68 | 1 acre lots, 20% imp, HSG B |
| 15,945 | 65 | Brush, Good, HSG C |
| 235,444 | 70 | Woods, Good, HSG C |
| 117,580 | 98 | Water Surface, 0% imp, HSG C |
| 9,642 | 73 | Brush, Good, HSG D |
| 24,894 | 77 | Woods, Good, HSG D |
| 123,173 | 98 | Water Surface, 0% imp, HSG D |
| 969,625 | 72 | Weighted Average |
| 922,037 | | 95.09% Pervious Area |
| 47,588 | | 4.91% 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 = 6.44 cfs @ 12.09 hrs, Volume= 20,407 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 |
|-----------|----|------------------------------|
| 5,813 | 30 | Brush, Good, HSG A |
| 1,850 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 12,011 | 70 | Woods, Good, HSG C |
| 4,643 | 73 | Brush, Good, HSG D |
| 71,972 | 77 | Woods, Good, HSG D |
| 6,410 | 98 | Water Surface, 0% imp, HSG D |
| 105,094 | 74 | 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 = 35.80 cfs @ 12.43 hrs, Volume= 201,702 cf, Depth> 1.61"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 93,603 | 30 | Brush, Good, HSG A |
| 193,683 | 30 | Woods, Good, HSG A |
| 3,417 | 30 | Woods, Good, HSG A |
| 233,993 | 55 | Woods, Good, HSG B |
| 690 | 55 | Woods, Good, HSG B |
| 94,886 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,920 | 65 | Brush, Good, HSG C |
| 262,073 | 70 | Woods, Good, HSG C |
| 51,421 | 98 | Water Surface, 0% imp, HSG C |
| 444,401 | 77 | Woods, Good, HSG D |
| 117,683 | 98 | Water Surface, 0% imp, HSG D |
| 1,498,770 | 65 | Weighted Average |
| 1,479,793 | | 98.73% Pervious Area |
| 18,977 | | 1.27% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 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 = 8,256 sf, 40.96% Impervious, Inflow Depth > 3.04" for 10YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,092 cf
 Primary = 0.66 cfs @ 12.09 hrs, Volume= 2,092 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 = 969,625 sf, 4.91% Impervious, Inflow Depth > 2.14" for 10YR event
 Inflow = 25.94 cfs @ 12.63 hrs, Volume= 173,281 cf
 Primary = 25.94 cfs @ 12.63 hrs, Volume= 173,281 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 > 2.33" for 10YR event
 Inflow = 6.44 cfs @ 12.09 hrs, Volume= 20,407 cf
 Primary = 6.44 cfs @ 12.09 hrs, Volume= 20,407 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 > 1.61" for 10YR event
 Inflow = 35.80 cfs @ 12.43 hrs, Volume= 201,702 cf
 Primary = 35.80 cfs @ 12.43 hrs, Volume= 201,702 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=8,256 sf 40.96% Impervious Runoff Depth>4.25"
Tc=6.0 min CN=82 Runoff=0.92 cfs 2,925 cf

Subcatchment 102S: OVERLAND TO Runoff Area=969,625 sf 4.91% Impervious Runoff Depth>3.20"
Flow Length=1,531' Tc=44.5 min CN=72 Runoff=39.20 cfs 258,654 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>3.43"
Tc=6.0 min CN=74 Runoff=9.51 cfs 30,014 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>2.55"
Flow Length=987' Tc=28.6 min CN=65 Runoff=58.39 cfs 318,145 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.92 cfs 2,925 cf
Primary=0.92 cfs 2,925 cf

Link AP2: ANALYSIS POINT 2 Inflow=39.20 cfs 258,654 cf
Primary=39.20 cfs 258,654 cf

Link AP3: ANALYSIS POINT 3 Inflow=9.51 cfs 30,014 cf
Primary=9.51 cfs 30,014 cf

Link AP4: ANALYSIS POINT 4 Inflow=58.39 cfs 318,145 cf
Primary=58.39 cfs 318,145 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 609,738 cf Average Runoff Depth = 2.83"
97.29% Pervious = 2,511,798 sf 2.71% Impervious = 69,947 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 = 0.92 cfs @ 12.09 hrs, Volume= 2,925 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 |
|-----------|----|-------------------------------|
| 3,612 | 61 | >75% Grass cover, Good, HSG B |
| 3,382 | 98 | Paved parking, HSG B |
| 1,262 | 96 | Gravel surface, HSG B |
| 8,256 | 82 | Weighted Average |
| 4,874 | | 59.04% Pervious Area |
| 3,382 | | 40.96% 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 = 39.20 cfs @ 12.62 hrs, Volume= 258,654 cf, Depth> 3.20"

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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 171,031 | 48 | Brush, Good, HSG B |
| 159,669 | 55 | Woods, Good, HSG B |
| 37,726 | 98 | Paved parking, HSG B |
| 25,210 | 98 | Water Surface, 0% imp, HSG B |
| 49,311 | 68 | 1 acre lots, 20% imp, HSG B |
| 15,945 | 65 | Brush, Good, HSG C |
| 235,444 | 70 | Woods, Good, HSG C |
| 117,580 | 98 | Water Surface, 0% imp, HSG C |
| 9,642 | 73 | Brush, Good, HSG D |
| 24,894 | 77 | Woods, Good, HSG D |
| 123,173 | 98 | Water Surface, 0% imp, HSG D |
| 969,625 | 72 | Weighted Average |
| 922,037 | | 95.09% Pervious Area |
| 47,588 | | 4.91% 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 = 9.51 cfs @ 12.09 hrs, Volume= 30,014 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 |
|-----------|----|------------------------------|
| 5,813 | 30 | Brush, Good, HSG A |
| 1,850 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 12,011 | 70 | Woods, Good, HSG C |
| 4,643 | 73 | Brush, Good, HSG D |
| 71,972 | 77 | Woods, Good, HSG D |
| 6,410 | 98 | Water Surface, 0% imp, HSG D |
| 105,094 | 74 | 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 = 58.39 cfs @ 12.42 hrs, Volume= 318,145 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 |
|-----------|----|------------------------------|
| 93,603 | 30 | Brush, Good, HSG A |
| 193,683 | 30 | Woods, Good, HSG A |
| 3,417 | 30 | Woods, Good, HSG A |
| 233,993 | 55 | Woods, Good, HSG B |
| 690 | 55 | Woods, Good, HSG B |
| 94,886 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,920 | 65 | Brush, Good, HSG C |
| 262,073 | 70 | Woods, Good, HSG C |
| 51,421 | 98 | Water Surface, 0% imp, HSG C |
| 444,401 | 77 | Woods, Good, HSG D |
| 117,683 | 98 | Water Surface, 0% imp, HSG D |
| 1,498,770 | 65 | Weighted Average |
| 1,479,793 | | 98.73% Pervious Area |
| 18,977 | | 1.27% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 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 = 8,256 sf, 40.96% Impervious, Inflow Depth > 4.25" for 25YR event
Inflow = 0.92 cfs @ 12.09 hrs, Volume= 2,925 cf
Primary = 0.92 cfs @ 12.09 hrs, Volume= 2,925 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 = 969,625 sf, 4.91% Impervious, Inflow Depth > 3.20" for 25YR event
Inflow = 39.20 cfs @ 12.62 hrs, Volume= 258,654 cf
Primary = 39.20 cfs @ 12.62 hrs, Volume= 258,654 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 > 3.43" for 25YR event
Inflow = 9.51 cfs @ 12.09 hrs, Volume= 30,014 cf
Primary = 9.51 cfs @ 12.09 hrs, Volume= 30,014 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 > 2.55" for 25YR event
Inflow = 58.39 cfs @ 12.42 hrs, Volume= 318,145 cf
Primary = 58.39 cfs @ 12.42 hrs, Volume= 318,145 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=8,256 sf 40.96% Impervious Runoff Depth>6.87"
Tc=6.0 min CN=82 Runoff=1.45 cfs 4,724 cf

Subcatchment 102S: OVERLAND TO Runoff Area=969,625 sf 4.91% Impervious Runoff Depth>5.59"
Flow Length=1,531' Tc=44.5 min CN=72 Runoff=68.45 cfs 451,490 cf

Subcatchment 103S: ISOLATED WETLAND Runoff Area=105,094 sf 0.00% Impervious Runoff Depth>5.88"
Tc=6.0 min CN=74 Runoff=16.19 cfs 51,487 cf

Subcatchment 104S: REMAINING LAND Runoff Area=1,498,770 sf 1.27% Impervious Runoff Depth>4.74"
Flow Length=987' Tc=28.6 min CN=65 Runoff=110.71 cfs 591,965 cf

Link AP1: ANALYSIS POINT 1 Inflow=1.45 cfs 4,724 cf
Primary=1.45 cfs 4,724 cf

Link AP2: ANALYSIS POINT 2 Inflow=68.45 cfs 451,490 cf
Primary=68.45 cfs 451,490 cf

Link AP3: ANALYSIS POINT 3 Inflow=16.19 cfs 51,487 cf
Primary=16.19 cfs 51,487 cf

Link AP4: ANALYSIS POINT 4 Inflow=110.71 cfs 591,965 cf
Primary=110.71 cfs 591,965 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 1,099,665 cf Average Runoff Depth = 5.11"
97.29% Pervious = 2,511,798 sf 2.71% Impervious = 69,947 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 = 1.45 cfs @ 12.09 hrs, Volume= 4,724 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 |
|-----------|----|-------------------------------|
| 3,612 | 61 | >75% Grass cover, Good, HSG B |
| 3,382 | 98 | Paved parking, HSG B |
| 1,262 | 96 | Gravel surface, HSG B |
| 8,256 | 82 | Weighted Average |
| 4,874 | | 59.04% Pervious Area |
| 3,382 | | 40.96% 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 = 68.45 cfs @ 12.61 hrs, Volume= 451,490 cf, Depth> 5.59"

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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 171,031 | 48 | Brush, Good, HSG B |
| 159,669 | 55 | Woods, Good, HSG B |
| 37,726 | 98 | Paved parking, HSG B |
| 25,210 | 98 | Water Surface, 0% imp, HSG B |
| 49,311 | 68 | 1 acre lots, 20% imp, HSG B |
| 15,945 | 65 | Brush, Good, HSG C |
| 235,444 | 70 | Woods, Good, HSG C |
| 117,580 | 98 | Water Surface, 0% imp, HSG C |
| 9,642 | 73 | Brush, Good, HSG D |
| 24,894 | 77 | Woods, Good, HSG D |
| 123,173 | 98 | Water Surface, 0% imp, HSG D |
| 969,625 | 72 | Weighted Average |
| 922,037 | | 95.09% Pervious Area |
| 47,588 | | 4.91% 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 = 16.19 cfs @ 12.09 hrs, Volume= 51,487 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 |
|-----------|----|------------------------------|
| 5,813 | 30 | Brush, Good, HSG A |
| 1,850 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 12,011 | 70 | Woods, Good, HSG C |
| 4,643 | 73 | Brush, Good, HSG D |
| 71,972 | 77 | Woods, Good, HSG D |
| 6,410 | 98 | Water Surface, 0% imp, HSG D |
| 105,094 | 74 | 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 = 110.71 cfs @ 12.40 hrs, Volume= 591,965 cf, Depth> 4.74"

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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 93,603 | 30 | Brush, Good, HSG A |
| 193,683 | 30 | Woods, Good, HSG A |
| 3,417 | 30 | Woods, Good, HSG A |
| 233,993 | 55 | Woods, Good, HSG B |
| 690 | 55 | Woods, Good, HSG B |
| 94,886 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,920 | 65 | Brush, Good, HSG C |
| 262,073 | 70 | Woods, Good, HSG C |
| 51,421 | 98 | Water Surface, 0% imp, HSG C |
| 444,401 | 77 | Woods, Good, HSG D |
| 117,683 | 98 | Water Surface, 0% imp, HSG D |
| 1,498,770 | 65 | Weighted Average |
| 1,479,793 | | 98.73% Pervious Area |
| 18,977 | | 1.27% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 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 = 8,256 sf, 40.96% Impervious, Inflow Depth > 6.87" for 100YR event
Inflow = 1.45 cfs @ 12.09 hrs, Volume= 4,724 cf
Primary = 1.45 cfs @ 12.09 hrs, Volume= 4,724 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 = 969,625 sf, 4.91% Impervious, Inflow Depth > 5.59" for 100YR event
Inflow = 68.45 cfs @ 12.61 hrs, Volume= 451,490 cf
Primary = 68.45 cfs @ 12.61 hrs, Volume= 451,490 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

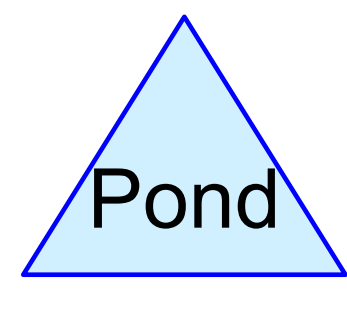
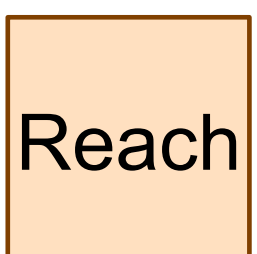
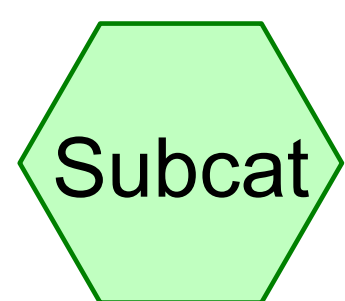
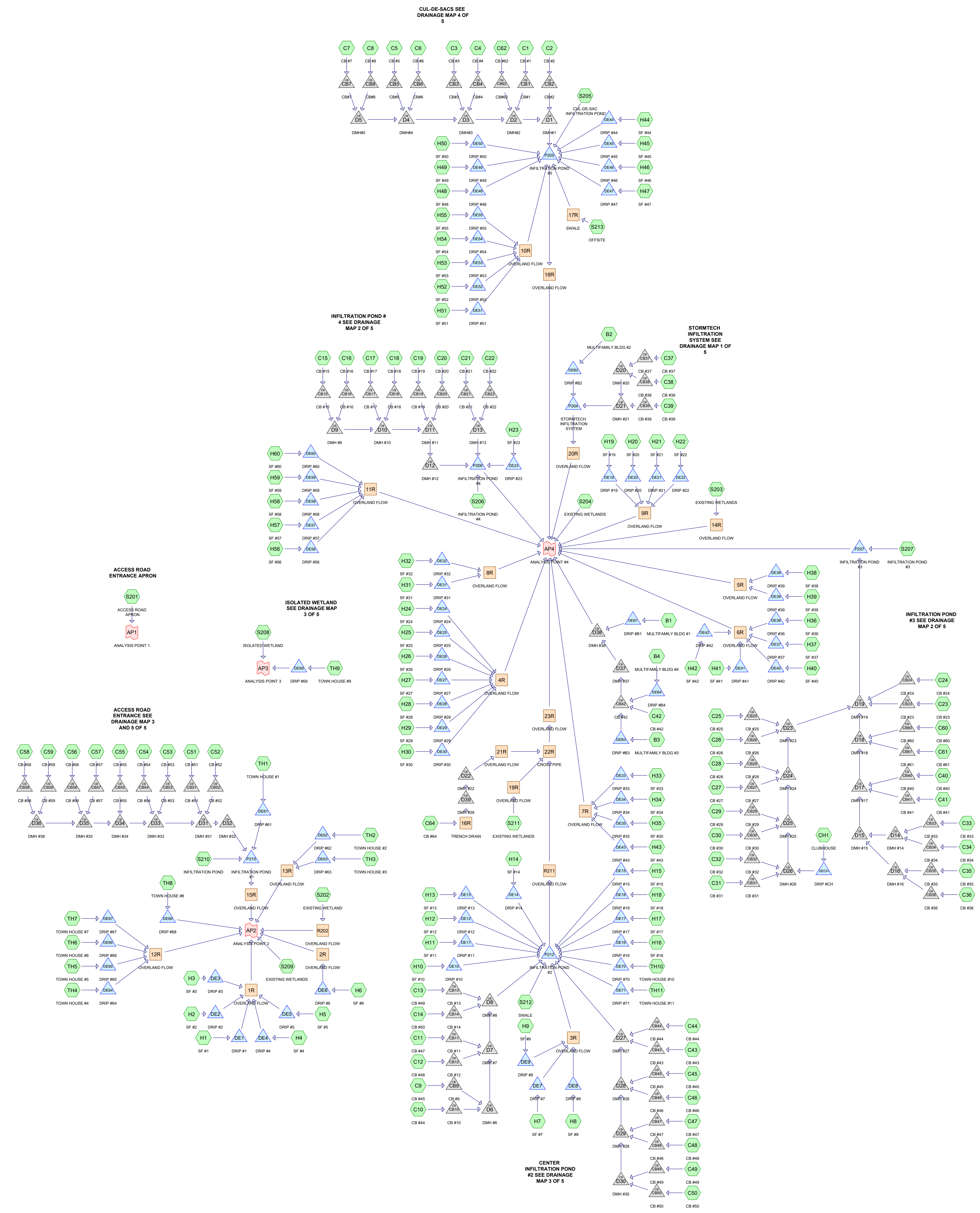
Inflow Area = 105,094 sf, 0.00% Impervious, Inflow Depth > 5.88" for 100YR event
Inflow = 16.19 cfs @ 12.09 hrs, Volume= 51,487 cf
Primary = 16.19 cfs @ 12.09 hrs, Volume= 51,487 cf, Atten= 0%, Lag= 0.0 min

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 > 4.74" for 100YR event
Inflow = 110.71 cfs @ 12.40 hrs, Volume= 591,965 cf
Primary = 110.71 cfs @ 12.40 hrs, Volume= 591,965 cf, Atten= 0%, Lag= 0.0 min

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



Routing Diagram for 19097 Post-Development
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Project Notes

Rainfall events imported from "19097 PreDevelopment.hcp"

Rainfall events imported from "19097 PostDevelopment-prelim.hcp"

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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) |
|-----------------|----|---|
| 239,423 | 68 | 1 acre lots, 20% imp, HSG B (S202, S203, S213) |
| 12,892 | 84 | 1 acre lots, 20% imp, HSG D (S202) |
| 78,149 | 39 | >75% Grass cover, Good, HSG A (B3, B4, C21, C22, C23, C24, C26, C42, C64, H22, H23, H24, H25, H26, H27, S206, S207, S208, S211) |
| 102,019 | 61 | >75% Grass cover, Good, HSG B (C1, C2, C3, C4, C51, C52, C53, C54, C55, C56, C57, C58, C59, C6, C62, C7, C8, H1, H2, H3, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H5, H50, H51, H52, H53, H54, H55, H56, H57, H58, H59, H60, S201, S205, S210, TH1, TH2, TH3) |
| 223,336 | 74 | >75% Grass cover, Good, HSG C (C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C27, C28, C29, C30, C31, C32, C43, C44, C45, C46, C49, C50, C51, C52, C9, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H25, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H6, H7, H8, H9, S202, S203, S208, S209, S210, S211, S212, TH10, TH11, TH2, TH4, TH5, TH6, TH7, TH9) |
| 87,871 | 80 | >75% Grass cover, Good, HSG D (B1, B2, B3, B4, C23, C26, C28, C31, C32, C33, C34, C35, C36, C37, C39, C40, C41, C42, C6, C61, C64, CH1, H28, H29, H30, H36, H41, H42, H43, H59, S207, S208, S211) |
| 74,372 | 30 | Brush, Good, HSG A (S204) |
| 128,185 | 48 | Brush, Good, HSG B (S202, S203, S204, S209, S213) |
| 29,368 | 65 | Brush, Good, HSG C (S204) |
| 69,407 | 73 | Brush, Good, HSG D (S202, S203, S204, S209) |
| 34,783 | 98 | Paved parking, HSG A (C21, C22, C23, C24, C25, C26, C64) |
| 133,670 | 98 | Paved parking, HSG B (C1, C2, C3, C4, C5, C51, C52, C53, C54, C55, C56, C57, C58, C59, C6, C62, C7, C8, S201, S202, S210) |
| 96,665 | 98 | Paved parking, HSG C (C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C25, C27, C28, C29, C30, C31, C32, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C9) |
| 105,513 | 98 | Paved parking, HSG D (C10, C2, C23, C24, C25, C26, C27, C28, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C5, C6, C60, C61, C64) |
| 15,653 | 98 | Roofs, HSG A (B3, B4, C21, C24, H22, H23, H24, H25, H26, H27, S207) |
| 65,241 | 98 | Roofs, HSG B (H1, H2, H3, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H5, H50, H51, H52, H53, H54, H55, H56, H57, H58, H59, H60, TH1, TH2, TH3) |
| 89,368 | 98 | Roofs, HSG C (H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H25, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H6, H7, H8, H9, TH10, TH11, TH2, TH4, TH5, TH6, TH7, TH8, TH9) |
| 70,771 | 98 | Roofs, HSG D (B1, B2, B3, B4, C2, C34, C39, CH1, H28, H29, H30, H42, H59, TH8) |
| 5,812 | 98 | Water Surface, 0% imp, HSG A (S208, S211) |
| 25,824 | 98 | Water Surface, 0% imp, HSG B (S202, S203, S204) |
| 167,018 | 98 | Water Surface, 0% imp, HSG C (S202, S203, S204, S208, S209, S211, TH8) |
| 248,162 | 98 | Water Surface, 0% imp, HSG D (S202, S203, S204, S208, S209, TH8) |

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Area Listing (all nodes) (continued)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|------------------|-----------|---|
| 91,992 | 30 | Woods, Good, HSG A (S204, S208, S211) |
| 86,410 | 55 | Woods, Good, HSG B (S202, S203, S204, S209, S213) |
| 91,639 | 70 | Woods, Good, HSG C (S202, S203, S204, S209, S211) |
| 208,202 | 77 | Woods, Good, HSG D (S202, S203, S204, S208, S209, S211) |
| 2,581,745 | 77 | TOTAL AREA |

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Soil Listing (all nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|------------------|---------------|--|
| 300,761 | HSG A | B3, B4, C21, C22, C23, C24, C25, C26, C42, C64, H22, H23, H24, H25, H26, H27, S204, S206, S207, S208, S211 |
| 780,772 | HSG B | C1, C2, C3, C4, C5, C51, C52, C53, C54, C55, C56, C57, C58, C59, C6, C62, C7, C8, H1, H2, H3, H4, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H5, H50, H51, H52, H53, H54, H55, H56, H57, H58, H59, H60, S201, S202, S203, S204, S205, S209, S210, S213, TH1, TH2, TH3 |
| 697,394 | HSG C | C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C25, C27, C28, C29, C30, C31, C32, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C9, H10, H11, H12, H13, H14, H15, H16, H17, H18, H19, H20, H21, H25, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H6, H7, H8, H9, S202, S203, S204, S208, S209, S210, S211, S212, TH10, TH11, TH2, TH4, TH5, TH6, TH7, TH8, TH9 |
| 802,818 | HSG D | B1, B2, B3, B4, C10, C2, C23, C24, C25, C26, C27, C28, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C5, C6, C60, C61, C64, CH1, H28, H29, H30, H36, H41, H42, H43, H59, S202, S203, S204, S207, S208, S209, S211, TH8 |
| 0 | Other | |
| 2,581,745 | | 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 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

| | |
|---|---|
| Subcatchment B1: MULTIFAMILY BLDG #1 | Runoff Area=17,980 sf 88.68% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=1.24 cfs 4,220 cf |
| Subcatchment B2: MULTIFAMILY BLDG #2 | Runoff Area=17,498 sf 90.17% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=1.21 cfs 4,107 cf |
| Subcatchment B3: MULTIFAMILY BLDG #3 | Runoff Area=17,772 sf 89.71% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=1.20 cfs 4,016 cf |
| Subcatchment B4: MULTIFAMILY BLDG #4 | Runoff Area=17,682 sf 89.23% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=1.22 cfs 4,150 cf |
| Subcatchment C1: CB #1 | Runoff Area=10,706 sf 37.85% Impervious Runoff Depth>1.14" Flow Length=95' Tc=8.5 min CN=75 Runoff=0.28 cfs 1,017 cf |
| Subcatchment C10: CB #44 | Runoff Area=5,492 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.39 cfs 1,389 cf |
| Subcatchment C11: CB #47 | Runoff Area=2,381 sf 54.01% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.12 cfs 392 cf |
| Subcatchment C12: CB #48 | Runoff Area=2,480 sf 63.99% Impervious Runoff Depth>2.14" Tc=6.0 min CN=89 Runoff=0.14 cfs 443 cf |
| Subcatchment C13: CB #49 | Runoff Area=6,942 sf 55.47% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.36 cfs 1,143 cf |
| Subcatchment C14: CB #50 | Runoff Area=6,999 sf 66.87% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.41 cfs 1,302 cf |
| Subcatchment C15: CB #15 | Runoff Area=3,235 sf 58.73% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.17 cfs 555 cf |
| Subcatchment C16: CB #16 | Runoff Area=2,087 sf 71.87% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.13 cfs 404 cf |
| Subcatchment C17: CB #17 | Runoff Area=9,714 sf 59.89% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.53 cfs 1,666 cf |
| Subcatchment C18: CB #18 | Runoff Area=9,165 sf 65.72% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.53 cfs 1,705 cf |
| Subcatchment C19: CB #19 | Runoff Area=6,910 sf 57.21% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.37 cfs 1,185 cf |
| Subcatchment C2: CB #2 | Runoff Area=21,674 sf 80.07% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=1.30 cfs 4,194 cf |

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Type III 24-hr 2YR Rainfall=3.27"

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| | |
|---------------------------------|---|
| Subcatchment C20: CB #20 | Runoff Area=8,034 sf 73.30% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.50 cfs 1,617 cf |
| Subcatchment C21: CB #21 | Runoff Area=9,293 sf 82.86% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.56 cfs 1,798 cf |
| Subcatchment C22: CB #22 | Runoff Area=10,403 sf 81.23% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.54 cfs 1,712 cf |
| Subcatchment C23: CB #23 | Runoff Area=19,822 sf 84.04% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=1.19 cfs 3,836 cf |
| Subcatchment C24: CB #24 | Runoff Area=2,226 sf 99.87% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.16 cfs 563 cf |
| Subcatchment C25: CB #25 | Runoff Area=2,249 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.16 cfs 569 cf |
| Subcatchment C26: CB #26 | Runoff Area=3,194 sf 78.40% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.21 cfs 695 cf |
| Subcatchment C27: CB #27 | Runoff Area=13,200 sf 88.54% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.89 cfs 2,983 cf |
| Subcatchment C28: CB #28 | Runoff Area=18,536 sf 69.19% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=1.15 cfs 3,731 cf |
| Subcatchment C29: CB #29 | Runoff Area=1,837 sf 70.93% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.11 cfs 355 cf |
| Subcatchment C3: CB #3 | Runoff Area=10,853 sf 74.08% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.59 cfs 1,862 cf |
| Subcatchment C30: CB #30 | Runoff Area=6,023 sf 53.63% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.31 cfs 991 cf |
| Subcatchment C31: CB #31 | Runoff Area=13,352 sf 89.53% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.92 cfs 3,134 cf |
| Subcatchment C32: CB #32 | Runoff Area=15,647 sf 68.79% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.94 cfs 3,028 cf |
| Subcatchment C33: CB #33 | Runoff Area=10,475 sf 79.30% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.69 cfs 2,278 cf |
| Subcatchment C34: CB #34 | Runoff Area=7,978 sf 96.09% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.56 cfs 1,944 cf |
| Subcatchment C35: CB #35 | Runoff Area=7,168 sf 73.14% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.46 cfs 1,500 cf |
| Subcatchment C36: CB #36 | Runoff Area=5,338 sf 97.53% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.38 cfs 1,350 cf |

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Type III 24-hr 2YR Rainfall=3.27"

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| | |
|---------------------------------|---|
| Subcatchment C37: CB #37 | Runoff Area=4,130 sf 76.71% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.27 cfs 898 cf |
| Subcatchment C38: CB #38 | Runoff Area=2,450 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.17 cfs 620 cf |
| Subcatchment C39: CB #39 | Runoff Area=20,827 sf 63.79% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=1.25 cfs 4,030 cf |
| Subcatchment C4: CB #4 | Runoff Area=21,472 sf 40.29% Impervious Runoff Depth>1.20" Flow Length=375' Tc=10.7 min CN=76 Runoff=0.57 cfs 2,144 cf |
| Subcatchment C40: CB #40 | Runoff Area=4,980 sf 92.85% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.35 cfs 1,214 cf |
| Subcatchment C41: CB #41 | Runoff Area=5,480 sf 85.02% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.37 cfs 1,238 cf |
| Subcatchment C42: CB #42 | Runoff Area=51,636 sf 15.77% Impervious Runoff Depth>1.59" Flow Length=300' Tc=7.8 min CN=82 Runoff=2.05 cfs 6,852 cf |
| Subcatchment C43: CB #43 | Runoff Area=5,946 sf 61.76% Impervious Runoff Depth>2.14" Tc=6.0 min CN=89 Runoff=0.33 cfs 1,062 cf |
| Subcatchment C44: CB #44 | Runoff Area=6,236 sf 57.31% Impervious Runoff Depth>2.06" Tc=6.0 min CN=88 Runoff=0.34 cfs 1,070 cf |
| Subcatchment C45: CB #45 | Runoff Area=4,105 sf 83.29% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.27 cfs 893 cf |
| Subcatchment C46: CB #46 | Runoff Area=6,943 sf 69.75% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.42 cfs 1,344 cf |
| Subcatchment C47: CB #47 | Runoff Area=2,486 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.18 cfs 629 cf |
| Subcatchment C48: CB #48 | Runoff Area=3,544 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.25 cfs 896 cf |
| Subcatchment C49: CB #49 | Runoff Area=1,263 sf 94.54% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.09 cfs 308 cf |
| Subcatchment C5: CB #5 | Runoff Area=1,783 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.13 cfs 451 cf |
| Subcatchment C50: CB #50 | Runoff Area=1,590 sf 95.66% Impervious Runoff Depth>2.92" Tc=6.0 min CN=97 Runoff=0.11 cfs 387 cf |
| Subcatchment C51: CB #51 | Runoff Area=9,541 sf 92.31% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.64 cfs 2,156 cf |

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Type III 24-hr 2YR Rainfall=3.27"

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| | |
|------------------------------------|---|
| Subcatchment C52: CB #52 | Runoff Area=17,462 sf 77.87% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=1.01 cfs 3,248 cf |
| Subcatchment C53: CB #53 | Runoff Area=6,202 sf 91.87% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.42 cfs 1,401 cf |
| Subcatchment C54: CB #54 | Runoff Area=3,756 sf 91.59% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.25 cfs 849 cf |
| Subcatchment C55: CB #55 | Runoff Area=19,318 sf 48.01% Impervious Runoff Depth>1.39" Flow Length=120' Slope=0.0400 '/' Tc=6.9 min CN=79 Runoff=0.68 cfs 2,234 cf |
| Subcatchment C56: CB #56 | Runoff Area=5,029 sf 79.82% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.30 cfs 973 cf |
| Subcatchment C57: CB #57 | Runoff Area=2,370 sf 84.43% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.15 cfs 477 cf |
| Subcatchment C58: CB #58 | Runoff Area=1,348 sf 83.01% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.08 cfs 271 cf |
| Subcatchment C59: CB #59 | Runoff Area=1,607 sf 85.75% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.10 cfs 336 cf |
| Subcatchment C6: CB #6 | Runoff Area=3,766 sf 59.48% Impervious Runoff Depth>1.82" Tc=6.0 min CN=85 Runoff=0.18 cfs 570 cf |
| Subcatchment C60: CB #60 | Runoff Area=3,327 sf 100.00% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.24 cfs 842 cf |
| Subcatchment C61: CB #61 | Runoff Area=6,407 sf 84.94% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.43 cfs 1,448 cf |
| Subcatchment C62: CB #62 | Runoff Area=5,714 sf 64.82% Impervious Runoff Depth>1.82" Tc=6.0 min CN=85 Runoff=0.27 cfs 865 cf |
| Subcatchment C64: CB #64 | Runoff Area=7,555 sf 42.86% Impervious Runoff Depth>0.63" Tc=6.0 min CN=65 Runoff=0.10 cfs 399 cf |
| Subcatchment C7: CB #7 | Runoff Area=7,403 sf 94.92% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.51 cfs 1,737 cf |
| Subcatchment C8: CB #8 | Runoff Area=12,849 sf 70.13% Impervious Runoff Depth>1.97" Flow Length=195' Tc=9.8 min CN=87 Runoff=0.59 cfs 2,113 cf |
| Subcatchment C9: CB #45 | Runoff Area=7,062 sf 54.59% Impervious Runoff Depth>1.98" Tc=6.0 min CN=87 Runoff=0.37 cfs 1,162 cf |
| Subcatchment CH1: CLUBHOUSE | Runoff Area=5,112 sf 87.56% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.35 cfs 1,200 cf |
| Subcatchment H1: SF #1 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |

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| SubcatchmentH10: SF #10 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH11: SF #11 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| SubcatchmentH12: SF #12 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| SubcatchmentH13: SF #13 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf |
| SubcatchmentH14: SF #14 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.13 cfs 445 cf |
| SubcatchmentH15: SF #15 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH16: SF #16 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf |
| SubcatchmentH17: SF #17 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH18: SF #18 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf |
| SubcatchmentH19: SF #19 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 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=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH21: SF #21 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf |
| SubcatchmentH22: SF #22 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.14" Tc=6.0 min CN=89 Runoff=0.11 cfs 343 cf |
| SubcatchmentH23: SF #23 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.23" Tc=6.0 min CN=90 Runoff=0.11 cfs 366 cf |
| SubcatchmentH24: SF #24 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.16 cfs 530 cf |
| SubcatchmentH25: SF #25 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.15 cfs 473 cf |

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| SubcatchmentH26: SF #26 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.12 cfs 372 cf |
| SubcatchmentH27: SF #27 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.32" Tc=6.0 min CN=91 Runoff=0.12 cfs 381 cf |
| SubcatchmentH28: SF #28 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.19 cfs 643 cf |
| SubcatchmentH29: SF #29 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.16 cfs 548 cf |
| SubcatchmentH3: SF #3 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH30: SF #30 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.19 cfs 643 cf |
| SubcatchmentH31: SF #31 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| SubcatchmentH32: SF #32 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf |
| SubcatchmentH33: SF #33 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH34: SF #34 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| SubcatchmentH35: SF #35 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf |
| SubcatchmentH36: SF #36 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| SubcatchmentH37: SF #37 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| SubcatchmentH38: SF #38 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf |
| SubcatchmentH39: SF #39 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.13 cfs 418 cf |
| SubcatchmentH4: SF #4 | Runoff Area=2,741 sf 88.22% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH40: SF #40 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.13 cfs 412 cf |
| SubcatchmentH41: SF #41 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |

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| SubcatchmentH42: SF #42 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH43: SF #43 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.12 cfs 387 cf |
| SubcatchmentH44: SF #44 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.13 cfs 412 cf |
| SubcatchmentH45: SF #45 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 531 cf |
| SubcatchmentH46: SF #46 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH47: SF #47 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH48: SF #48 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 531 cf |
| SubcatchmentH49: SF #49 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH5: SF #5 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH50: SF #50 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH51: SF #51 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH52: SF #52 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH53: SF #53 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 531 cf |
| SubcatchmentH54: SF #54 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH55: SF #55 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.18 cfs 596 cf |
| SubcatchmentH56: SF #56 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.15 cfs 507 cf |
| SubcatchmentH57: SF #57 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.13 cfs 412 cf |

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| Subcatchment H58: SF #58 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.42" Tc=6.0 min CN=92 Runoff=0.12 cfs 387 cf |
| Subcatchment H59: SF #59 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>2.51" Tc=6.0 min CN=93 Runoff=0.12 cfs 402 cf |
| Subcatchment H6: SF #6 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 552 cf |
| Subcatchment H60: SF #60 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.16 cfs 531 cf |
| Subcatchment H7: 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 |
| Subcatchment H8: SF #8 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.16 cfs 527 cf |
| Subcatchment H9: SF #9 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.18 cfs 619 cf |
| Subcatchment S201: ACCESS ROAD | Runoff Area=6,539 sf 66.08% Impervious Runoff Depth>1.82" Tc=6.0 min CN=85 Runoff=0.31 cfs 990 cf |
| Subcatchment S202: EXISTING WETLAND | Runoff Area=370,963 sf 10.29% Impervious Runoff Depth>1.45" Flow Length=1,037' Tc=21.8 min CN=80 Runoff=9.32 cfs 44,796 cf |
| Subcatchment S203: EXISTING WETLANDS | Runoff Area=137,806 sf 6.34% Impervious Runoff Depth>0.92" Flow Length=838' Tc=16.6 min CN=71 Runoff=2.25 cfs 10,525 cf |
| Subcatchment S204: EXISTING WETLANDS | Runoff Area=592,627 sf 0.00% Impervious Runoff Depth>0.67" Flow Length=820' Tc=23.9 min CN=66 Runoff=5.57 cfs 33,267 cf |
| Subcatchment S205: CUL-DE-SAC | Runoff Area=25,952 sf 0.00% Impervious Runoff Depth>0.47" Tc=6.0 min CN=61 Runoff=0.21 cfs 1,021 cf |
| Subcatchment S206: INFILTRATION POND | Runoff Area=17,694 sf 0.00% Impervious Runoff Depth>0.00" Tc=6.0 min CN=39 Runoff=0.00 cfs 2 cf |
| Subcatchment S207: INFILTRATION POND | Runoff Area=24,420 sf 2.99% Impervious Runoff Depth>0.01" Tc=6.0 min CN=41 Runoff=0.00 cfs 21 cf |
| Subcatchment S208: ISOLATED WETLAND | Runoff Area=40,692 sf 0.00% Impervious Runoff Depth>1.14" Tc=6.0 min CN=75 Runoff=1.18 cfs 3,867 cf |
| Subcatchment S209: EXISTING WETLANDS | Runoff Area=261,233 sf 0.00% Impervious Runoff Depth>1.26" Flow Length=550' Tc=21.8 min CN=77 Runoff=5.59 cfs 27,335 cf |
| Subcatchment S210: INFILTRATION POND | Runoff Area=31,093 sf 24.92% Impervious Runoff Depth>1.08" Tc=6.0 min CN=74 Runoff=0.85 cfs 2,805 cf |
| Subcatchment S211: EXISTING WETLANDS | Runoff Area=120,768 sf 0.00% Impervious Runoff Depth>1.02" Flow Length=580' Tc=15.0 min CN=73 Runoff=2.35 cfs 10,306 cf |

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| Subcatchment S212: SWALE | Runoff Area=63,598 sf 0.00% Impervious Runoff Depth>1.08" Flow Length=470' Tc=26.6 min CN=74 Runoff=1.05 cfs 5,705 cf |
| Subcatchment S213: OFFSITE | Runoff Area=102,126 sf 18.24% Impervious Runoff Depth>0.68" Flow Length=985' Tc=17.0 min CN=66 Runoff=1.09 cfs 5,746 cf |
| Subcatchment TH1: TOWN HOUSE #1 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.29 cfs 946 cf |
| Subcatchment TH10: TOWN HOUSE #10 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 983 cf |
| Subcatchment TH11: TOWN HOUSE #11 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.40 cfs 1,377 cf |
| Subcatchment TH2: TOWN HOUSE #2 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.29 cfs 946 cf |
| Subcatchment TH3: TOWN HOUSE #3 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.61" Tc=6.0 min CN=94 Runoff=0.29 cfs 946 cf |
| Subcatchment TH4: TOWN HOUSE #4 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>2.82" Tc=6.0 min CN=96 Runoff=0.40 cfs 1,377 cf |
| Subcatchment TH5: TOWN HOUSE #5 | Runoff Area=3,434 sf 88.24% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.23 cfs 776 cf |
| Subcatchment TH6: TOWN HOUSE #6 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 983 cf |
| Subcatchment TH7: TOWN HOUSE #7 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 983 cf |
| Subcatchment TH8: TOWN HOUSE #8 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>3.04" Tc=6.0 min CN=98 Runoff=0.31 cfs 1,100 cf |
| Subcatchment TH9: TOWN HOUSE #9 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>2.71" Tc=6.0 min CN=95 Runoff=0.29 cfs 983 cf |
| Reach 1R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.04 cfs 56 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 17 cf n=0.400 L=925.0' S=0.0124 '/' Capacity=21.45 cfs Outflow=0.00 cfs 9 cf |
| Reach 3R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.02 cfs 22 cf n=0.400 L=475.0' S=0.0174 '/' Capacity=20.48 cfs Outflow=0.00 cfs 19 cf |
| Reach 4R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.09 fps Inflow=0.19 cfs 276 cf n=0.400 L=100.0' S=0.0800 '/' Capacity=54.42 cfs Outflow=0.11 cfs 276 cf |

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| Reach 5R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.02 cfs 22 cf n=0.400 L=826.0' S=0.0266 '/' Capacity=31.40 cfs Outflow=0.00 cfs 17 cf |
| Reach 6R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.06 cfs 73 cf n=0.400 L=650.0' S=0.0323 '/' Capacity=34.58 cfs Outflow=0.00 cfs 63 cf |
| Reach 7R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.04 cfs 55 cf n=0.400 L=500.0' S=0.0360 '/' Capacity=36.50 cfs Outflow=0.00 cfs 52 cf |
| Reach 8R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.04 fps Inflow=0.04 cfs 44 cf n=0.400 L=341.0' S=0.0469 '/' Capacity=41.67 cfs Outflow=0.00 cfs 43 cf |
| Reach 9R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.01 cfs 17 cf n=0.400 L=380.0' S=0.0316 '/' Capacity=8.12 cfs Outflow=0.00 cfs 16 cf |
| Reach 10R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.07 fps Inflow=0.05 cfs 64 cf n=0.240 L=200.0' S=0.0200 '/' Capacity=10.77 cfs Outflow=0.01 cfs 64 cf |
| Reach 11R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.03 fps Inflow=0.02 cfs 25 cf n=0.400 L=920.0' S=0.0283 '/' Capacity=32.34 cfs Outflow=0.00 cfs 18 cf |
| Reach 12R: OVERLAND FLOW | Avg. Flow Depth=0.05' Max Vel=0.07 fps Inflow=0.82 cfs 1,016 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=0.16 cfs 1,001 cf |
| Reach 13R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.40 cfs 490 cf n=0.400 L=660.0' S=0.0152 '/' Capacity=23.68 cfs Outflow=0.02 cfs 370 cf |
| Reach 14R: OVERLAND FLOW | Avg. Flow Depth=0.09' Max Vel=0.12 fps Inflow=2.25 cfs 10,525 cf n=0.400 L=800.0' S=0.0275 '/' Capacity=31.90 cfs Outflow=0.57 cfs 9,456 cf |
| Reach 15R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.07 fps Inflow=0.30 cfs 1,407 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=0.15 cfs 1,384 cf |
| Reach 16R: TRENCH DRAIN | Avg. Flow Depth=0.14' Max Vel=1.56 fps Inflow=0.10 cfs 399 cf 12.0" Round Pipe n=0.013 L=61.4' S=0.0050 '/' Capacity=2.53 cfs Outflow=0.10 cfs 399 cf |
| Reach 17R: SWALE | Avg. Flow Depth=0.17' Max Vel=0.33 fps Inflow=1.09 cfs 5,746 cf n=0.240 L=640.0' S=0.0313 '/' Capacity=12.22 cfs Outflow=0.60 cfs 5,530 cf |
| Reach 18R: OVERLAND FLOW | Avg. Flow Depth=0.07' Max Vel=0.14 fps Inflow=0.52 cfs 3,947 cf n=0.400 L=120.0' S=0.0500 '/' Capacity=44.93 cfs Outflow=0.49 cfs 3,947 cf |
| Reach 19R: OVERLAND FLOW | Avg. Flow Depth=0.14' Max Vel=0.10 fps Inflow=2.35 cfs 10,306 cf n=0.400 L=500.0' S=0.0104 '/' Capacity=19.62 cfs Outflow=0.70 cfs 9,471 cf |
| Reach 20R: OVERLAND FLOW | Avg. Flow Depth=0.03' Max Vel=0.08 fps Inflow=0.26 cfs 765 cf n=0.400 L=225.0' S=0.0391 '/' Capacity=38.05 cfs Outflow=0.13 cfs 764 cf |
| Reach 21R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.03 fps Inflow=0.10 cfs 399 cf n=0.400 L=115.0' S=0.0052 '/' Capacity=6.85 cfs Outflow=0.03 cfs 374 cf |
| Reach 22R: CROSS PIPE | Avg. Flow Depth=0.21' Max Vel=4.19 fps Inflow=0.73 cfs 9,845 cf 24.0" Round Pipe n=0.013 L=35.0' S=0.0200 '/' Capacity=31.99 cfs Outflow=0.73 cfs 9,844 cf |

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Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.16' Max Vel=0.29 fps Inflow=0.73 cfs 9,844 cf
n=0.240 L=180.0' S=0.0278 '/' Capacity=16.59 cfs Outflow=0.71 cfs 9,737 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.22' Max Vel=0.14 fps Inflow=9.32 cfs 44,796 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=3.31 cfs 41,403 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=0.0078 '/' Capacity=17.03 cfs Outflow=0.00 cfs 0 cf

Pond CB1: CB#1 Peak Elev=206.75' Inflow=0.28 cfs 1,017 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0067 '/' Outflow=0.28 cfs 1,017 cf

Pond CB10: CB #10 Peak Elev=209.91' Inflow=0.39 cfs 1,389 cf
12.0" Round Culvert n=0.013 L=33.1' S=0.0051 '/' Outflow=0.39 cfs 1,389 cf

Pond CB11: CB #11 Peak Elev=211.27' Inflow=0.12 cfs 392 cf
12.0" Round Culvert n=0.013 L=17.4' S=0.0057 '/' Outflow=0.12 cfs 392 cf

Pond CB12: CB #12 Peak Elev=211.29' Inflow=0.14 cfs 443 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.14 cfs 443 cf

Pond CB13: CB #13 Peak Elev=208.91' Inflow=0.36 cfs 1,143 cf
12.0" Round Culvert n=0.013 L=10.1' S=0.0050 '/' Outflow=0.36 cfs 1,143 cf

Pond CB14: CB #14 Peak Elev=208.94' Inflow=0.41 cfs 1,302 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.41 cfs 1,302 cf

Pond CB15: CB #15 Peak Elev=207.48' Inflow=0.17 cfs 555 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.17 cfs 555 cf

Pond CB16: CB #16 Peak Elev=207.40' Inflow=0.13 cfs 404 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.13 cfs 404 cf

Pond CB17: CB #17 Peak Elev=203.04' Inflow=0.53 cfs 1,666 cf
12.0" Round Culvert n=0.013 L=13.6' S=0.0074 '/' Outflow=0.53 cfs 1,666 cf

Pond CB18: CB #18 Peak Elev=203.51' Inflow=0.53 cfs 1,705 cf
12.0" Round Culvert n=0.013 L=17.7' S=0.0051 '/' Outflow=0.53 cfs 1,705 cf

Pond CB19: CB #19 Peak Elev=203.96' Inflow=0.37 cfs 1,185 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=0.37 cfs 1,185 cf

Pond CB2: CB#2 Peak Elev=204.66' Inflow=1.30 cfs 4,194 cf
15.0" Round Culvert n=0.013 L=108.6' S=0.0050 '/' Outflow=1.30 cfs 4,194 cf

Pond CB20: CB #20 Peak Elev=204.01' Inflow=0.50 cfs 1,617 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 '/' Outflow=0.50 cfs 1,617 cf

Pond CB21: CB #21 Peak Elev=201.07' Inflow=0.56 cfs 1,798 cf
12.0" Round Culvert n=0.013 L=19.7' S=0.0051 '/' Outflow=0.56 cfs 1,798 cf

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| Pond CB22: CB #22 | Peak Elev=201.06' Inflow=0.54 cfs 1,712 cf 12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/ Outflow=0.54 cfs 1,712 cf |
| Pond CB23: CB #23 | Peak Elev=201.37' Inflow=1.19 cfs 3,836 cf 12.0" Round Culvert n=0.013 L=21.9' S=0.0100 '/ Outflow=1.19 cfs 3,836 cf |
| Pond CB24: CB #24 | Peak Elev=202.29' Inflow=0.16 cfs 563 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0056 '/ Outflow=0.16 cfs 563 cf |
| Pond CB25: CB #25 | Peak Elev=204.54' Inflow=0.16 cfs 569 cf 12.0" Round Culvert n=0.013 L=16.3' S=0.0074 '/ Outflow=0.16 cfs 569 cf |
| Pond CB26: CB #26 | Peak Elev=204.57' Inflow=0.21 cfs 695 cf 12.0" Round Culvert n=0.013 L=14.9' S=0.0081 '/ Outflow=0.21 cfs 695 cf |
| Pond CB27: CB #27 | Peak Elev=202.95' Inflow=0.89 cfs 2,983 cf 12.0" Round Culvert n=0.013 L=11.5' S=0.0052 '/ Outflow=0.89 cfs 2,983 cf |
| Pond CB28: CB #28 | Peak Elev=203.05' Inflow=1.15 cfs 3,731 cf 12.0" Round Culvert n=0.013 L=11.6' S=0.0052 '/ Outflow=1.15 cfs 3,731 cf |
| Pond CB29: CB #29 | Peak Elev=203.15' Inflow=0.11 cfs 355 cf 12.0" Round Culvert n=0.013 L=23.4' S=0.0056 '/ Outflow=0.11 cfs 355 cf |
| Pond CB3: CB#3 | Peak Elev=209.39' Inflow=0.59 cfs 1,862 cf 12.0" Round Culvert n=0.013 L=17.4' S=0.0052 '/ Outflow=0.59 cfs 1,862 cf |
| Pond CB30: CB #30 | Peak Elev=203.27' Inflow=0.31 cfs 991 cf 12.0" Round Culvert n=0.013 L=15.0' S=0.0087 '/ Outflow=0.31 cfs 991 cf |
| Pond CB31: CB #31 | Peak Elev=202.41' Inflow=0.92 cfs 3,134 cf 12.0" Round Culvert n=0.013 L=39.2' S=0.0051 '/ Outflow=0.92 cfs 3,134 cf |
| Pond CB32: CB #32 | Peak Elev=202.59' Inflow=0.94 cfs 3,028 cf 12.0" Round Culvert n=0.013 L=54.5' S=0.0051 '/ Outflow=0.94 cfs 3,028 cf |
| Pond CB33: CB #33 | Peak Elev=205.20' Inflow=0.69 cfs 2,278 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0170 '/ Outflow=0.69 cfs 2,278 cf |
| Pond CB34: CB #34 | Peak Elev=205.21' Inflow=0.56 cfs 1,944 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 '/ Outflow=0.56 cfs 1,944 cf |
| Pond CB35: CB #35 | Peak Elev=205.11' Inflow=0.46 cfs 1,500 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/ Outflow=0.46 cfs 1,500 cf |
| Pond CB36: CB #36 | Peak Elev=205.09' Inflow=0.38 cfs 1,350 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/ Outflow=0.38 cfs 1,350 cf |
| Pond CB37: CB #37 | Peak Elev=199.90' Inflow=0.27 cfs 898 cf 12.0" Round Culvert n=0.013 L=28.7' S=0.0052 '/ Outflow=0.27 cfs 898 cf |
| Pond CB38: CB #38 | Peak Elev=199.79' Inflow=0.17 cfs 620 cf 12.0" Round Culvert n=0.013 L=22.7' S=0.0053 '/ Outflow=0.17 cfs 620 cf |

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| Pond CB39: CB #39 | Peak Elev=197.29' Inflow=1.25 cfs 4,030 cf 12.0" Round Culvert n=0.013 L=31.2' S=0.0061 ' ' Outflow=1.25 cfs 4,030 cf |
| Pond CB4: CB#4 | Peak Elev=209.39' Inflow=0.57 cfs 2,144 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0055 ' ' Outflow=0.57 cfs 2,144 cf |
| Pond CB40: CB #40 | Peak Elev=202.83' Inflow=0.35 cfs 1,214 cf 12.0" Round Culvert n=0.013 L=13.4' S=0.0052 ' ' Outflow=0.35 cfs 1,214 cf |
| Pond CB41: CB #41 | Peak Elev=202.83' Inflow=0.37 cfs 1,238 cf 12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' ' Outflow=0.37 cfs 1,238 cf |
| Pond CB42: CB #42 | Peak Elev=199.54' Inflow=2.07 cfs 7,210 cf 18.0" Round Culvert n=0.013 L=147.0' S=0.0050 ' ' Outflow=2.07 cfs 7,210 cf |
| Pond CB43: CB #43 | Peak Elev=205.13' Inflow=0.33 cfs 1,062 cf 12.0" Round Culvert n=0.013 L=21.1' S=0.0052 ' ' Outflow=0.33 cfs 1,062 cf |
| Pond CB44: CB #44 | Peak Elev=205.12' Inflow=0.34 cfs 1,070 cf 12.0" Round Culvert n=0.013 L=22.0' S=0.0050 ' ' Outflow=0.34 cfs 1,070 cf |
| Pond CB45: CB #45 | Peak Elev=206.67' Inflow=0.27 cfs 893 cf 12.0" Round Culvert n=0.013 L=11.7' S=0.0068 ' ' Outflow=0.27 cfs 893 cf |
| Pond CB46: CB #46 | Peak Elev=206.78' Inflow=0.42 cfs 1,344 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0073 ' ' Outflow=0.42 cfs 1,344 cf |
| Pond CB47: CB #47 | Peak Elev=208.58' Inflow=0.18 cfs 629 cf 12.0" Round Culvert n=0.013 L=17.9' S=0.0050 ' ' Outflow=0.18 cfs 629 cf |
| Pond CB48: CB #48 | Peak Elev=208.63' Inflow=0.25 cfs 896 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 ' ' Outflow=0.25 cfs 896 cf |
| Pond CB49: CB #49 | Peak Elev=210.62' Inflow=0.09 cfs 308 cf 12.0" Round Culvert n=0.013 L=19.9' S=0.0121 ' ' Outflow=0.09 cfs 308 cf |
| Pond CB5: CB#5 | Peak Elev=212.37' Inflow=0.13 cfs 451 cf 12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' ' Outflow=0.13 cfs 451 cf |
| Pond CB50: CB #50 | Peak Elev=210.29' Inflow=0.11 cfs 387 cf 12.0" Round Culvert n=0.013 L=34.1' S=0.0053 ' ' Outflow=0.11 cfs 387 cf |
| Pond CB51: CB #51 | Peak Elev=210.64' Inflow=0.64 cfs 2,156 cf 12.0" Round Culvert n=0.013 L=24.4' S=0.0049 ' ' Outflow=0.64 cfs 2,156 cf |
| Pond CB52: CB #52 | Peak Elev=210.78' Inflow=1.01 cfs 3,248 cf 12.0" Round Culvert n=0.013 L=24.2' S=0.0050 ' ' Outflow=1.01 cfs 3,248 cf |
| Pond CB53: CB #53 | Peak Elev=214.30' Inflow=0.42 cfs 1,401 cf 12.0" Round Culvert n=0.013 L=24.7' S=0.0065 ' ' Outflow=0.42 cfs 1,401 cf |

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| Pond CB54: CB #54 | Peak Elev=214.39' | Inflow=0.25 cfs | 849 cf | | |
| 12.0" Round Culvert | n=0.013 | L=38.2' | S=0.0094 '/' | Outflow=0.25 cfs | 849 cf |
| Pond CB55: CB #55 | Peak Elev=217.96' | Inflow=0.68 cfs | 2,234 cf | | |
| 12.0" Round Culvert | n=0.013 | L=73.1' | S=0.0052 '/' | Outflow=0.68 cfs | 2,234 cf |
| Pond CB56: CB #56 | Peak Elev=220.47' | Inflow=0.30 cfs | 973 cf | | |
| 12.0" Round Culvert | n=0.013 | L=26.6' | S=0.0060 '/' | Outflow=0.30 cfs | 973 cf |
| Pond CB57: CB #57 | Peak Elev=220.38' | Inflow=0.15 cfs | 477 cf | | |
| 12.0" Round Culvert | n=0.013 | L=12.1' | S=0.0149 '/' | Outflow=0.15 cfs | 477 cf |
| Pond CB58: CB #58 | Peak Elev=221.70' | Inflow=0.08 cfs | 271 cf | | |
| 12.0" Round Culvert | n=0.013 | L=14.6' | S=0.0055 '/' | Outflow=0.08 cfs | 271 cf |
| Pond CB59: CB #59 | Peak Elev=222.14' | Inflow=0.10 cfs | 336 cf | | |
| 12.0" Round Culvert | n=0.013 | L=37.1' | S=0.0129 '/' | Outflow=0.10 cfs | 336 cf |
| Pond CB6: CB#6 | Peak Elev=212.97' | Inflow=0.18 cfs | 570 cf | | |
| 12.0" Round Culvert | n=0.013 | L=32.2' | S=0.0152 '/' | Outflow=0.18 cfs | 570 cf |
| Pond CB60: CB #60 | Peak Elev=202.33' | Inflow=0.24 cfs | 842 cf | | |
| 12.0" Round Culvert | n=0.013 | L=11.5' | S=0.0052 '/' | Outflow=0.24 cfs | 842 cf |
| Pond CB61: CB #61 | Peak Elev=202.38' | Inflow=0.43 cfs | 1,448 cf | | |
| 12.0" Round Culvert | n=0.013 | L=13.7' | S=0.0270 '/' | Outflow=0.43 cfs | 1,448 cf |
| Pond CB62: CB#62 | Peak Elev=206.54' | Inflow=0.27 cfs | 865 cf | | |
| 12.0" Round Culvert | n=0.013 | L=21.0' | S=0.0052 '/' | Outflow=0.27 cfs | 865 cf |
| Pond CB7: CB#7 | Peak Elev=214.68' | Inflow=0.51 cfs | 1,737 cf | | |
| 12.0" Round Culvert | n=0.013 | L=15.0' | S=0.0053 '/' | Outflow=0.51 cfs | 1,737 cf |
| Pond CB8: CB#8 | Peak Elev=214.92' | Inflow=0.59 cfs | 2,113 cf | | |
| 12.0" Round Culvert | n=0.013 | L=12.0' | S=0.0050 '/' | Outflow=0.59 cfs | 2,113 cf |
| Pond CB9: CB #9 | Peak Elev=210.08' | Inflow=0.37 cfs | 1,162 cf | | |
| 12.0" Round Culvert | n=0.013 | L=15.8' | S=0.0051 '/' | Outflow=0.37 cfs | 1,162 cf |
| Pond D1: DMH#1 | Peak Elev=203.65' | Inflow=4.28 cfs | 14,953 cf | | |
| 24.0" Round Culvert | n=0.013 | L=86.9' | S=0.0052 '/' | Outflow=4.28 cfs | 14,953 cf |
| Pond D10: DMH #10 | Peak Elev=202.84' | Inflow=1.36 cfs | 4,329 cf | | |
| 15.0" Round Culvert | n=0.013 | L=240.0' | S=0.0050 '/' | Outflow=1.36 cfs | 4,329 cf |
| Pond D11: DMH #11 | Peak Elev=201.71' | Inflow=2.23 cfs | 7,132 cf | | |
| 15.0" Round Culvert | n=0.013 | L=221.7' | S=0.0050 '/' | Outflow=2.23 cfs | 7,132 cf |
| Pond D12: DMH #12 | Peak Elev=200.23' | Inflow=2.23 cfs | 7,132 cf | | |
| 18.0" Round Culvert | n=0.013 | L=30.2' | S=0.0050 '/' | Outflow=2.23 cfs | 7,132 cf |
| Pond D13: DMH #13 | Peak Elev=200.77' | Inflow=1.10 cfs | 3,511 cf | | |
| 15.0" Round Culvert | n=0.013 | L=26.4' | S=0.0049 '/' | Outflow=1.10 cfs | 3,511 cf |

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| Pond D14: DMH #14 | Peak Elev=204.76' Inflow=1.25 cfs 4,222 cf 15.0" Round Culvert n=0.013 L=139.7' S=0.0050 ' Outflow=1.25 cfs 4,222 cf |
| Pond D15: DMH #15 | Peak Elev=203.85' Inflow=2.09 cfs 7,073 cf 18.0" Round Culvert n=0.013 L=161.8' S=0.0050 ' Outflow=2.09 cfs 7,073 cf |
| Pond D16: DMH #16 | Peak Elev=205.00' Inflow=0.84 cfs 2,850 cf 12.0" Round Culvert n=0.013 L=110.6' S=0.0051 ' Outflow=0.84 cfs 2,850 cf |
| Pond D17: DMH #17 | Peak Elev=202.69' Inflow=2.81 cfs 9,524 cf 18.0" Round Culvert n=0.013 L=129.0' S=0.0050 ' Outflow=2.81 cfs 9,524 cf |
| Pond D18: DMH #18 | Peak Elev=201.43' Inflow=3.47 cfs 11,814 cf 24.0" Round Culvert n=0.013 L=150.4' S=0.0050 ' Outflow=3.47 cfs 11,814 cf |
| Pond D19: DMH #19 | Peak Elev=196.83' Inflow=9.63 cfs 31,973 cf 24.0" Round Culvert n=0.013 L=20.0' S=0.0050 ' Outflow=9.63 cfs 31,973 cf |
| Pond D2: DMH#2 | Peak Elev=206.40' Inflow=3.00 cfs 10,759 cf 18.0" Round Culvert n=0.013 L=77.2' S=0.0146 ' Outflow=3.00 cfs 10,759 cf |
| Pond D20: DMH #20 | Peak Elev=197.37' Inflow=0.45 cfs 1,518 cf 12.0" Round Culvert n=0.013 L=131.9' S=0.0085 ' Outflow=0.45 cfs 1,518 cf |
| Pond D21: DMH #21 | Peak Elev=196.29' Inflow=1.70 cfs 5,548 cf 15.0" Round Culvert n=0.013 L=75.6' S=0.0050 ' Outflow=1.70 cfs 5,548 cf |
| Pond D22: DMH #22 | Peak Elev=196.21' Inflow=0.10 cfs 399 cf 12.0" Round Culvert n=0.013 L=11.1' S=0.0054 ' Outflow=0.10 cfs 399 cf |
| Pond D23: DMH #23 | Peak Elev=198.54' Inflow=4.81 cfs 15,760 cf 24.0" Round Culvert n=0.013 L=231.7' S=0.0050 ' Outflow=4.81 cfs 15,760 cf |
| Pond D24: DMH #24 | Peak Elev=199.97' Inflow=4.44 cfs 14,497 cf 24.0" Round Culvert n=0.013 L=261.4' S=0.0050 ' Outflow=4.44 cfs 14,497 cf |
| Pond D25: DMH #25 | Peak Elev=201.06' Inflow=2.40 cfs 7,783 cf 18.0" Round Culvert n=0.013 L=139.0' S=0.0050 ' Outflow=2.40 cfs 7,783 cf |
| Pond D26: DMH #26 | Peak Elev=201.79' Inflow=1.98 cfs 6,436 cf 18.0" Round Culvert n=0.013 L=130.0' S=0.0052 ' Outflow=1.98 cfs 6,436 cf |
| Pond D27: DMH #27 | Peak Elev=205.02' Inflow=1.99 cfs 6,589 cf 15.0" Round Culvert n=0.013 L=101.4' S=0.0050 ' Outflow=1.99 cfs 6,589 cf |
| Pond D28: DMH #28 | Peak Elev=206.53' Inflow=1.32 cfs 4,457 cf 15.0" Round Culvert n=0.013 L=134.2' S=0.0085 ' Outflow=1.32 cfs 4,457 cf |
| Pond D29: DMH #29 | Peak Elev=208.26' Inflow=0.63 cfs 2,220 cf 15.0" Round Culvert n=0.013 L=194.7' S=0.0093 ' Outflow=0.63 cfs 2,220 cf |

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| Pond D3: DMH#3 | Peak Elev=208.94' Inflow=2.45 cfs 8,877 cf 18.0" Round Culvert n=0.013 L=162.6' S=0.0155 '/ Outflow=2.45 cfs 8,877 cf |
| Pond D30: DMH #30 | Peak Elev=210.06' Inflow=0.20 cfs 695 cf 12.0" Round Culvert n=0.013 L=210.6' S=0.0069 '/ Outflow=0.20 cfs 695 cf |
| Pond D31: DMH #31 | Peak Elev=209.86' Inflow=3.64 cfs 11,946 cf 24.0" Round Culvert n=0.013 L=172.9' S=0.0050 '/ Outflow=3.64 cfs 11,946 cf |
| Pond D32: DMH #32 | Peak Elev=208.88' Inflow=3.64 cfs 11,946 cf 24.0" Round Culvert n=0.013 L=145.3' S=0.0050 '/ Outflow=3.64 cfs 11,946 cf |
| Pond D33: DMH #33 | Peak Elev=213.78' Inflow=1.98 cfs 6,542 cf 18.0" Round Culvert n=0.013 L=239.6' S=0.0151 '/ Outflow=1.98 cfs 6,542 cf |
| Pond D34: DMH #34 | Peak Elev=217.30' Inflow=1.31 cfs 4,292 cf 15.0" Round Culvert n=0.013 L=197.2' S=0.0165 '/ Outflow=1.31 cfs 4,292 cf |
| Pond D35: DMH #35 | Peak Elev=220.02' Inflow=0.64 cfs 2,058 cf 15.0" Round Culvert n=0.013 L=119.8' S=0.0184 '/ Outflow=0.64 cfs 2,058 cf |
| Pond D36: DMH #36 | Peak Elev=221.58' Inflow=0.19 cfs 608 cf 12.0" Round Culvert n=0.013 L=183.7' S=0.0073 '/ Outflow=0.19 cfs 608 cf |
| Pond D37: DMH #37 | Peak Elev=198.69' Inflow=2.07 cfs 7,210 cf 18.0" Round Culvert n=0.013 L=91.7' S=0.0050 '/ Outflow=2.07 cfs 7,210 cf |
| Pond D38: DMH #38 | Peak Elev=197.66' Inflow=2.07 cfs 7,210 cf 24.0" Round Culvert n=0.013 L=96.5' S=0.0050 '/ Outflow=2.07 cfs 7,210 cf |
| Pond D39: DMH #39 | Peak Elev=196.77' Inflow=0.10 cfs 399 cf 12.0" Round Culvert n=0.013 L=94.6' S=0.0050 '/ Outflow=0.10 cfs 399 cf |
| Pond D4: DMH#4 | Peak Elev=211.93' Inflow=1.37 cfs 4,872 cf 18.0" Round Culvert n=0.013 L=207.6' S=0.0146 '/ Outflow=1.37 cfs 4,872 cf |
| Pond D5: DMH#5 | Peak Elev=214.28' Inflow=1.07 cfs 3,851 cf 15.0" Round Culvert n=0.013 L=131.1' S=0.0137 '/ Outflow=1.07 cfs 3,851 cf |
| Pond D6: DMH #6 | Peak Elev=209.22' Inflow=0.76 cfs 2,552 cf 18.0" Round Culvert n=0.013 L=118.1' S=0.0050 '/ Outflow=0.76 cfs 2,552 cf |
| Pond D7: DMH #7 | Peak Elev=208.59' Inflow=1.02 cfs 3,387 cf 18.0" Round Culvert n=0.013 L=302.5' S=0.0050 '/ Outflow=1.02 cfs 3,387 cf |
| Pond D8: DMH #8 | Peak Elev=207.02' Inflow=1.79 cfs 5,831 cf 18.0" Round Culvert n=0.013 L=91.3' S=0.0055 '/ Outflow=1.79 cfs 5,831 cf |
| Pond D9: DMH #9 | Peak Elev=207.29' Inflow=0.30 cfs 959 cf 12.0" Round Culvert n=0.013 L=277.2' S=0.0152 '/ Outflow=0.30 cfs 959 cf |
| Pond DE1: DRIP #1 | Peak Elev=223.58' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |

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| | |
|----------------------------|---|
| Pond DE10: DRIP #10 | Peak Elev=212.89' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf |
| Pond DE11: DRIP #11 | Peak Elev=212.21' Storage=208 cf Inflow=0.18 cfs 619 cf Discarded=0.02 cfs 598 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 619 cf |
| Pond DE12: DRIP #12 | Peak Elev=211.51' Storage=208 cf Inflow=0.18 cfs 619 cf Discarded=0.02 cfs 598 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 619 cf |
| Pond DE13: DRIP #13 | Peak Elev=210.61' Storage=175 cf Inflow=0.16 cfs 527 cf Discarded=0.02 cfs 505 cf Primary=0.02 cfs 22 cf Outflow=0.03 cfs 527 cf |
| Pond DE14: DRIP #14 | Peak Elev=209.78' Storage=149 cf Inflow=0.13 cfs 445 cf Discarded=0.01 cfs 445 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 445 cf |
| Pond DE15: DRIP #15 | Peak Elev=209.39' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf |
| Pond DE16: DRIP #16 | Peak Elev=208.24' 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 DE17: DRIP #17 | Peak Elev=207.69' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf |
| Pond DE18: DRIP #18 | Peak Elev=206.54' 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 DE19: DRIP #19 | Peak Elev=205.99' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 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=204.37' Storage=79 cf Inflow=0.16 cfs 552 cf Discarded=0.06 cfs 552 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 552 cf |
| Pond DE21: DRIP #21 | Peak Elev=203.34' Storage=41 cf Inflow=0.13 cfs 418 cf Discarded=0.06 cfs 418 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 418 cf |
| Pond DE22: DRIP #22 | Peak Elev=202.82' Storage=27 cf Inflow=0.11 cfs 343 cf Discarded=0.06 cfs 343 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 343 cf |
| Pond DE23: DRIP #23 | Peak Elev=203.23' Storage=36 cf Inflow=0.11 cfs 366 cf Discarded=0.05 cfs 366 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 366 cf |
| Pond DE24: DRIP #24 | Peak Elev=203.22' Storage=69 cf Inflow=0.16 cfs 530 cf Discarded=0.06 cfs 530 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 530 cf |
| Pond DE25: DRIP #25 | Peak Elev=205.11' Storage=165 cf Inflow=0.15 cfs 473 cf Discarded=0.02 cfs 473 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 473 cf |

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|----------------------------|---|
| Pond DE26: DRIP #26 | Peak Elev=205.39' Storage=116 cf Inflow=0.12 cfs 372 cf Discarded=0.02 cfs 372 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 372 cf |
| Pond DE27: DRIP #27 | Peak Elev=206.80' Storage=76 cf Inflow=0.12 cfs 381 cf Discarded=0.01 cfs 315 cf Primary=0.06 cfs 66 cf Outflow=0.07 cfs 381 cf |
| Pond DE28: DRIP #28 | Peak Elev=207.73' Storage=211 cf Inflow=0.19 cfs 643 cf Discarded=0.02 cfs 614 cf Primary=0.02 cfs 29 cf Outflow=0.04 cfs 643 cf |
| Pond DE29: DRIP #29 | Peak Elev=207.74' Storage=125 cf Inflow=0.16 cfs 548 cf Discarded=0.02 cfs 454 cf Primary=0.08 cfs 94 cf Outflow=0.09 cfs 547 cf |
| Pond DE3: DRIP #3 | Peak Elev=221.59' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE30: DRIP #30 | Peak Elev=208.47' Storage=164 cf Inflow=0.19 cfs 643 cf Discarded=0.02 cfs 556 cf Primary=0.06 cfs 87 cf Outflow=0.08 cfs 643 cf |
| Pond DE31: DRIP #31 | Peak Elev=209.11' Storage=208 cf Inflow=0.18 cfs 619 cf Discarded=0.02 cfs 598 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 619 cf |
| Pond DE32: DRIP #32 | Peak Elev=210.11' Storage=175 cf Inflow=0.16 cfs 527 cf Discarded=0.02 cfs 505 cf Primary=0.02 cfs 22 cf Outflow=0.03 cfs 527 cf |
| Pond DE33: DRIP #33 | Peak Elev=210.89' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf |
| Pond DE34: DRIP #34 | Peak Elev=211.89' Storage=186 cf Inflow=0.16 cfs 552 cf Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf |
| Pond DE35: DRIP #35 | Peak Elev=212.51' Storage=175 cf Inflow=0.16 cfs 527 cf Discarded=0.02 cfs 505 cf Primary=0.02 cfs 22 cf Outflow=0.03 cfs 527 cf |
| Pond DE36: DRIP #36 | Peak Elev=213.31' Storage=208 cf Inflow=0.18 cfs 619 cf Discarded=0.02 cfs 598 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 619 cf |
| Pond DE37: DRIP #37 | Peak Elev=213.51' Storage=208 cf Inflow=0.18 cfs 619 cf Discarded=0.02 cfs 598 cf Primary=0.02 cfs 21 cf Outflow=0.03 cfs 619 cf |
| Pond DE38: DRIP #39 | Peak Elev=213.11' Storage=175 cf Inflow=0.16 cfs 527 cf Discarded=0.02 cfs 505 cf Primary=0.02 cfs 22 cf Outflow=0.03 cfs 527 cf |
| Pond DE39: DRIP #39 | 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 DE4: DRIP #4 | Peak Elev=219.58' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 584 cf Primary=0.01 cfs 12 cf Outflow=0.03 cfs 596 cf |
| Pond DE40: DRIP #40 | Peak Elev=213.47' Storage=137 cf Inflow=0.13 cfs 412 cf Discarded=0.01 cfs 412 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 412 cf |
| Pond DE41: DRIP #41 | Peak Elev=212.49' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |

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|----------------------------|---|
| Pond DE42: DRIP #42 | Peak Elev=211.49' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE43: DRIP #43 | Peak Elev=208.44' 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 DE44: DRIP #44 | Peak Elev=208.27' Storage=137 cf Inflow=0.13 cfs 412 cf Discarded=0.01 cfs 412 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 412 cf |
| Pond DE45: DRIP #45 | Peak Elev=208.97' Storage=183 cf Inflow=0.16 cfs 531 cf Discarded=0.02 cfs 522 cf Primary=0.01 cfs 9 cf Outflow=0.02 cfs 531 cf |
| Pond DE46: DRIP #46 | Peak Elev=209.08' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |
| Pond DE47: DRIP #47 | Peak Elev=209.09' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE48: DRIP #48 | Peak Elev=210.17' Storage=183 cf Inflow=0.16 cfs 531 cf Discarded=0.02 cfs 522 cf Primary=0.01 cfs 9 cf Outflow=0.02 cfs 531 cf |
| Pond DE49: DRIP #49 | Peak Elev=210.78' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |
| Pond DE5: DRIP #5 | Peak Elev=219.59' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE50: DRIP #50 | Peak Elev=212.09' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE51: DRIP #51 | Peak Elev=212.88' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |
| Pond DE52: DRIP #52 | Peak Elev=213.78' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |
| Pond DE53: DRIP #53 | Peak Elev=214.57' Storage=183 cf Inflow=0.16 cfs 531 cf Discarded=0.02 cfs 522 cf Primary=0.01 cfs 9 cf Outflow=0.02 cfs 531 cf |
| Pond DE54: DRIP #54 | Peak Elev=215.49' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE55: DRIP #55 | Peak Elev=216.38' Storage=205 cf Inflow=0.18 cfs 596 cf Discarded=0.02 cfs 583 cf Primary=0.01 cfs 13 cf Outflow=0.03 cfs 596 cf |
| Pond DE56: DRIP #56 | Peak Elev=217.59' Storage=173 cf Inflow=0.15 cfs 507 cf Discarded=0.02 cfs 492 cf Primary=0.01 cfs 15 cf Outflow=0.03 cfs 507 cf |
| Pond DE57: DRIP #57 | Peak Elev=218.27' Storage=137 cf Inflow=0.13 cfs 412 cf Discarded=0.01 cfs 412 cf Primary=0.00 cfs 0 cf Outflow=0.01 cfs 412 cf |

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Pond DE58: DRIP #58 Peak Elev=218.04' 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 DE59: DRIP #59 Peak Elev=216.89' Storage=128 cf Inflow=0.12 cfs 402 cf
Discarded=0.02 cfs 402 cf Primary=0.00 cfs 0 cf Outflow=0.02 cfs 402 cf

Pond DE6: DRIP #6 Peak Elev=212.09' Storage=186 cf Inflow=0.16 cfs 552 cf
Discarded=0.02 cfs 535 cf Primary=0.01 cfs 17 cf Outflow=0.03 cfs 552 cf

Pond DE60: DRIP #60 Peak Elev=215.87' Storage=183 cf Inflow=0.16 cfs 531 cf
Discarded=0.02 cfs 522 cf Primary=0.01 cfs 9 cf Outflow=0.02 cfs 531 cf

Pond DE61: DRIP #61 Peak Elev=213.15' Storage=161 cf Inflow=0.29 cfs 946 cf
Discarded=0.03 cfs 701 cf Primary=0.20 cfs 245 cf Outflow=0.23 cfs 946 cf

Pond DE62: DRIP #62 Peak Elev=211.45' Storage=161 cf Inflow=0.29 cfs 946 cf
Discarded=0.03 cfs 701 cf Primary=0.20 cfs 245 cf Outflow=0.23 cfs 946 cf

Pond DE63: DRIP #63 Peak Elev=213.15' Storage=161 cf Inflow=0.29 cfs 946 cf
Discarded=0.03 cfs 701 cf Primary=0.20 cfs 245 cf Outflow=0.23 cfs 946 cf

Pond DE64: DRIP #64 Peak Elev=208.87' Storage=287 cf Inflow=0.40 cfs 1,377 cf
Discarded=0.03 cfs 1,067 cf Primary=0.23 cfs 310 cf Outflow=0.27 cfs 1,377 cf

Pond DE65: DRIP #65 Peak Elev=208.31' Storage=132 cf Inflow=0.23 cfs 776 cf
Discarded=0.02 cfs 588 cf Primary=0.16 cfs 188 cf Outflow=0.19 cfs 776 cf

Pond DE66: DRIP #66 Peak Elev=206.76' Storage=163 cf Inflow=0.29 cfs 983 cf
Discarded=0.03 cfs 724 cf Primary=0.21 cfs 259 cf Outflow=0.24 cfs 983 cf

Pond DE67: DRIP #67 Peak Elev=204.86' Storage=163 cf Inflow=0.29 cfs 983 cf
Discarded=0.03 cfs 724 cf Primary=0.21 cfs 259 cf Outflow=0.24 cfs 983 cf

Pond DE68: DRIP #68 Peak Elev=205.88' Storage=167 cf Inflow=0.31 cfs 1,100 cf
Discarded=0.03 cfs 807 cf Primary=0.24 cfs 293 cf Outflow=0.26 cfs 1,100 cf

Pond DE69: DRIP #69 Peak Elev=205.86' Storage=163 cf Inflow=0.29 cfs 983 cf
Discarded=0.03 cfs 724 cf Primary=0.21 cfs 259 cf Outflow=0.24 cfs 983 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=206.76' Storage=163 cf Inflow=0.29 cfs 983 cf
Discarded=0.03 cfs 724 cf Primary=0.21 cfs 259 cf Outflow=0.24 cfs 983 cf

Pond DE71: DRIP #71 Peak Elev=207.03' Storage=227 cf Inflow=0.40 cfs 1,377 cf
Discarded=0.03 cfs 994 cf Primary=0.29 cfs 383 cf Outflow=0.32 cfs 1,377 cf

Pond DE8: DRIP #8 Peak Elev=213.21' Storage=175 cf Inflow=0.16 cfs 527 cf
Discarded=0.02 cfs 505 cf Primary=0.02 cfs 22 cf Outflow=0.03 cfs 527 cf

Pond DE9: DRIP #9 Peak Elev=212.95' Storage=191 cf Inflow=0.18 cfs 619 cf
Discarded=0.03 cfs 619 cf Primary=0.00 cfs 0 cf Outflow=0.03 cfs 619 cf

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|--|---|
| Pond DEB1: DRIP #B1 | Peak Elev=202.80' Storage=656 cf Inflow=1.24 cfs 4,220 cf Discarded=0.39 cfs 4,220 cf Primary=0.00 cfs 0 cf Outflow=0.39 cfs 4,220 cf |
| Pond DEB2: DRIP #B2 | Peak Elev=203.49' Storage=1,030 cf Inflow=1.21 cfs 4,107 cf Discarded=0.10 cfs 3,280 cf Primary=0.46 cfs 826 cf Outflow=0.56 cfs 4,106 cf |
| Pond DEB3: DRIP #B3 | Peak Elev=202.28' Storage=578 cf Inflow=1.20 cfs 4,016 cf Discarded=0.35 cfs 3,824 cf Primary=0.18 cfs 192 cf Outflow=0.53 cfs 4,016 cf |
| Pond DEB4: DRIP #B4 | Peak Elev=202.26' Storage=590 cf Inflow=1.22 cfs 4,150 cf Discarded=0.36 cfs 3,984 cf Primary=0.15 cfs 166 cf Outflow=0.52 cfs 4,150 cf |
| Pond DECH: DRIP #CH | Peak Elev=203.86' Storage=223 cf Inflow=0.35 cfs 1,200 cf Discarded=0.04 cfs 925 cf Primary=0.19 cfs 274 cf Outflow=0.22 cfs 1,200 cf |
| Pond P204: STORMTECH INFILTRATION | Peak Elev=195.19' Storage=2,169 cf Inflow=1.74 cfs 6,374 cf Discarded=0.22 cfs 5,608 cf Primary=0.26 cfs 765 cf Outflow=0.48 cfs 6,373 cf |
| Pond P205: INFILTRATION POND #5 | Peak Elev=196.57' Storage=7,794 cf Inflow=4.52 cfs 21,643 cf Discarded=0.33 cfs 14,987 cf Primary=0.52 cfs 3,947 cf Outflow=0.84 cfs 18,935 cf |
| Pond P206: INFILTRATION POND #4 | Peak Elev=196.01' Storage=2,232 cf Inflow=3.33 cfs 10,644 cf Discarded=0.93 cfs 10,643 cf Primary=0.00 cfs 0 cf Outflow=0.93 cfs 10,643 cf |
| Pond P207: INFILTRATION POND #3 | Peak Elev=193.22' Storage=13,625 cf Inflow=9.63 cfs 31,994 cf Discarded=0.68 cfs 31,977 cf Primary=0.00 cfs 0 cf Outflow=0.68 cfs 31,977 cf |
| Pond P210: INFILTRATION POND #1 | Peak Elev=204.94' Storage=5,583 cf Inflow=4.63 cfs 14,996 cf Discarded=0.36 cfs 13,591 cf Primary=0.30 cfs 1,407 cf Outflow=0.67 cfs 14,998 cf |
| Pond P212: INFILTRATION POND #2 | Peak Elev=201.32' Storage=8,226 cf Inflow=4.56 cfs 18,901 cf Discarded=0.49 cfs 18,705 cf Primary=0.00 cfs 0 cf Outflow=0.49 cfs 18,705 cf |
| Link AP1: ANALYSIS POINT 1 | Inflow=0.31 cfs 990 cf Primary=0.31 cfs 990 cf |
| Link AP2: ANALYSIS POINT 2 | Inflow=7.54 cfs 71,821 cf Primary=7.54 cfs 71,821 cf |
| Link AP3: ANALYSIS POINT 3 | Inflow=1.36 cfs 4,126 cf Primary=1.36 cfs 4,126 cf |
| Link AP4: ANALYSIS POINT #4 | Inflow=7.35 cfs 64,865 cf Primary=7.35 cfs 64,865 cf |

Total Runoff Area = 2,581,745 sf Runoff Volume = 300,695 cf Average Runoff Depth = 1.40"
74.35% Pervious = 1,919,618 sf 25.65% Impervious = 662,127 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 1.24 cfs @ 12.09 hrs, Volume= 4,220 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 |
|-----------|----|-------------------------------|
| 15,945 | 98 | Roofs, HSG D |
| 2,035 | 80 | >75% Grass cover, Good, HSG D |
| 17,980 | 96 | Weighted Average |
| 2,035 | | 11.32% Pervious Area |
| 15,945 | | 88.68% 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 = 1.21 cfs @ 12.09 hrs, Volume= 4,107 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 |
|-----------|----|-------------------------------|
| 15,778 | 98 | Roofs, HSG D |
| 1,720 | 80 | >75% Grass cover, Good, HSG D |
| 17,498 | 96 | Weighted Average |
| 1,720 | | 9.83% Pervious Area |
| 15,778 | | 90.17% Impervious Area |

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

Summary for Subcatchment B3: MULTIFAMILY BLDG #3

Runoff = 1.20 cfs @ 12.09 hrs, Volume= 4,016 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
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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,144 | 98 | Roofs, HSG A |
| 461 | 39 | >75% Grass cover, Good, HSG A |
| 11,799 | 98 | Roofs, HSG D |
| 1,368 | 80 | >75% Grass cover, Good, HSG D |
| 17,772 | 95 | Weighted Average |
| 1,829 | | 10.29% Pervious Area |
| 15,943 | | 89.71% Impervious Area |

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

Summary for Subcatchment B4: MULTIFAMILY BLDG #4

Runoff = 1.22 cfs @ 12.09 hrs, Volume= 4,150 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 |
|-----------|----|-------------------------------|
| 77 | 98 | Roofs, HSG A |
| 33 | 39 | >75% Grass cover, Good, HSG A |
| 15,701 | 98 | Roofs, HSG D |
| 1,871 | 80 | >75% Grass cover, Good, HSG D |
| 17,682 | 96 | Weighted Average |
| 1,904 | | 10.77% Pervious Area |
| 15,778 | | 89.23% 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 = 0.28 cfs @ 12.13 hrs, Volume= 1,017 cf, Depth> 1.14"

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 |
|-----------|----|-------------------------------|
| 6,654 | 61 | >75% Grass cover, Good, HSG B |
| 4,052 | 98 | Paved parking, HSG B |
| 10,706 | 75 | Weighted Average |
| 6,654 | | 62.15% Pervious Area |
| 4,052 | | 37.85% Impervious Area |

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| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.2 | 10 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 35 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 8.5 | 95 | Total | | | |

Summary for Subcatchment C10: CB #44

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,389 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 |
|-----------|----|-------------------------|
| 4,687 | 98 | Paved parking, HSG C |
| 805 | 98 | Paved parking, HSG D |
| 5,492 | 98 | Weighted Average |
| 5,492 | | 100.00% Impervious Area |

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

Summary for Subcatchment C11: CB #47

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 392 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 |
|-----------|----|-------------------------------|
| 1,095 | 74 | >75% Grass cover, Good, HSG C |
| 1,286 | 98 | Paved parking, HSG C |
| 2,381 | 87 | Weighted Average |
| 1,095 | | 45.99% Pervious Area |
| 1,286 | | 54.01% 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 C12: CB #48

Runoff = 0.14 cfs @ 12.09 hrs, Volume= 443 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 |
|-----------|----|-------------------------------|
| 893 | 74 | >75% Grass cover, Good, HSG C |
| 1,587 | 98 | Paved parking, HSG C |
| 2,480 | 89 | Weighted Average |
| 893 | | 36.01% Pervious Area |
| 1,587 | | 63.99% Impervious Area |

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

Summary for Subcatchment C13: CB #49

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,143 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 |
|-----------|----|-------------------------------|
| 3,091 | 74 | >75% Grass cover, Good, HSG C |
| 3,851 | 98 | Paved parking, HSG C |
| 6,942 | 87 | Weighted Average |
| 3,091 | | 44.53% Pervious Area |
| 3,851 | | 55.47% Impervious Area |

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

Summary for Subcatchment C14: CB #50

Runoff = 0.41 cfs @ 12.09 hrs, Volume= 1,302 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 |
|-----------|----|-------------------------------|
| 2,319 | 74 | >75% Grass cover, Good, HSG C |
| 4,680 | 98 | Paved parking, HSG C |
| 6,999 | 90 | Weighted Average |
| 2,319 | | 33.13% Pervious Area |
| 4,680 | | 66.87% 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 C15: CB #15

Runoff = 0.17 cfs @ 12.09 hrs, Volume= 555 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 |
|-----------|----|-------------------------------|
| 1,335 | 74 | >75% Grass cover, Good, HSG C |
| 1,900 | 98 | Paved parking, HSG C |
| 3,235 | 88 | Weighted Average |
| 1,335 | | 41.27% Pervious Area |
| 1,900 | | 58.73% 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 = 0.13 cfs @ 12.09 hrs, Volume= 404 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 |
|-----------|----|-------------------------------|
| 587 | 74 | >75% Grass cover, Good, HSG C |
| 1,500 | 98 | Paved parking, HSG C |
| 2,087 | 91 | Weighted Average |
| 587 | | 28.13% Pervious Area |
| 1,500 | | 71.87% Impervious Area |

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

Summary for Subcatchment C17: CB #17

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,666 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,896 | 74 | >75% Grass cover, Good, HSG C |
| 5,818 | 98 | Paved parking, HSG C |
| 9,714 | 88 | Weighted Average |
| 3,896 | | 40.11% Pervious Area |
| 5,818 | | 59.89% 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 = 0.53 cfs @ 12.09 hrs, Volume= 1,705 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 |
|-----------|----|-------------------------------|
| 3,142 | 74 | >75% Grass cover, Good, HSG C |
| 6,023 | 98 | Paved parking, HSG C |
| 9,165 | 90 | Weighted Average |
| 3,142 | | 34.28% Pervious Area |
| 6,023 | | 65.72% Impervious Area |

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

Summary for Subcatchment C19: CB #19

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,185 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 |
|-----------|----|-------------------------------|
| 2,957 | 74 | >75% Grass cover, Good, HSG C |
| 3,953 | 98 | Paved parking, HSG C |
| 6,910 | 88 | Weighted Average |
| 2,957 | | 42.79% Pervious Area |
| 3,953 | | 57.21% 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 C2: CB #2

Runoff = 1.30 cfs @ 12.09 hrs, Volume= 4,194 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 |
|-----------|----|-------------------------------|
| 4,319 | 61 | >75% Grass cover, Good, HSG B |
| 16,432 | 98 | Paved parking, HSG B |
| 392 | 98 | Roofs, HSG D |
| 531 | 98 | Paved parking, HSG D |
| 21,674 | 91 | Weighted Average |
| 4,319 | | 19.93% Pervious Area |
| 17,355 | | 80.07% 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 = 0.50 cfs @ 12.09 hrs, Volume= 1,617 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 |
|-----------|----|-------------------------------|
| 2,145 | 74 | >75% Grass cover, Good, HSG C |
| 5,889 | 98 | Paved parking, HSG C |
| 8,034 | 92 | Weighted Average |
| 2,145 | | 26.70% Pervious Area |
| 5,889 | | 73.30% 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 = 0.56 cfs @ 12.09 hrs, Volume= 1,798 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 790 | 39 | >75% Grass cover, Good, HSG A |
| 5,569 | 98 | Paved parking, HSG A |
| 392 | 98 | Roofs, HSG A |
| 803 | 74 | >75% Grass cover, Good, HSG C |
| 1,739 | 98 | Paved parking, HSG C |
| 9,293 | 91 | Weighted Average |
| 1,593 | | 17.14% Pervious Area |
| 7,700 | | 82.86% Impervious Area |

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

Summary for Subcatchment C22: CB #22

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,712 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 |
|-----------|----|-------------------------------|
| 1,806 | 39 | >75% Grass cover, Good, HSG A |
| 7,407 | 98 | Paved parking, HSG A |
| 147 | 74 | >75% Grass cover, Good, HSG C |
| 1,043 | 98 | Paved parking, HSG C |
| 10,403 | 87 | Weighted Average |
| 1,953 | | 18.77% Pervious Area |
| 8,450 | | 81.23% 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 = 1.19 cfs @ 12.09 hrs, Volume= 3,836 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 |
|-----------|----|-------------------------------|
| 2,167 | 39 | >75% Grass cover, Good, HSG A |
| 15,545 | 98 | Paved parking, HSG A |
| 996 | 80 | >75% Grass cover, Good, HSG D |
| 1,114 | 98 | Paved parking, HSG D |
| 19,822 | 91 | Weighted Average |
| 3,163 | | 15.96% Pervious Area |
| 16,659 | | 84.04% 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 C24: CB #24

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 563 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 | 39 | >75% Grass cover, Good, HSG A |
| 1,173 | 98 | Paved parking, HSG A |
| 729 | 98 | Roofs, HSG A |
| 321 | 98 | Paved parking, HSG D |
| 2,226 | 98 | Weighted Average |
| 3 | | 0.13% Pervious Area |
| 2,223 | | 99.87% 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 = 0.16 cfs @ 12.09 hrs, Volume= 569 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 |
|-----------|----|-------------------------|
| 1,421 | 98 | Paved parking, HSG A |
| 299 | 98 | Paved parking, HSG C |
| 529 | 98 | Paved parking, HSG D |
| 2,249 | 98 | Weighted Average |
| 2,249 | | 100.00% 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 = 0.21 cfs @ 12.09 hrs, Volume= 695 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4 | 39 | >75% Grass cover, Good, HSG A |
| 895 | 98 | Paved parking, HSG A |
| 686 | 80 | >75% Grass cover, Good, HSG D |
| 1,609 | 98 | Paved parking, HSG D |
| 3,194 | 94 | Weighted Average |
| 690 | | 21.60% Pervious Area |
| 2,504 | | 78.40% Impervious Area |

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

Summary for Subcatchment C27: CB #27

Runoff = 0.89 cfs @ 12.09 hrs, Volume= 2,983 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 |
|-----------|----|-------------------------------|
| 1,513 | 74 | >75% Grass cover, Good, HSG C |
| 4,982 | 98 | Paved parking, HSG C |
| 6,705 | 98 | Paved parking, HSG D |
| 13,200 | 95 | Weighted Average |
| 1,513 | | 11.46% Pervious Area |
| 11,687 | | 88.54% 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 = 1.15 cfs @ 12.09 hrs, Volume= 3,731 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 |
|-----------|----|-------------------------------|
| 1,630 | 74 | >75% Grass cover, Good, HSG C |
| 3,245 | 98 | Paved parking, HSG C |
| 4,081 | 80 | >75% Grass cover, Good, HSG D |
| 9,580 | 98 | Paved parking, HSG D |
| 18,536 | 92 | Weighted Average |
| 5,711 | | 30.81% Pervious Area |
| 12,825 | | 69.19% 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 C29: CB #29

Runoff = 0.11 cfs @ 12.09 hrs, Volume= 355 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 |
|-----------|----|-------------------------------|
| 534 | 74 | >75% Grass cover, Good, HSG C |
| 1,303 | 98 | Paved parking, HSG C |
| 1,837 | 91 | Weighted Average |
| 534 | | 29.07% Pervious Area |
| 1,303 | | 70.93% 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 = 0.59 cfs @ 12.09 hrs, Volume= 1,862 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 |
|-----------|----|-------------------------------|
| 2,813 | 61 | >75% Grass cover, Good, HSG B |
| 8,040 | 98 | Paved parking, HSG B |
| 10,853 | 88 | Weighted Average |
| 2,813 | | 25.92% Pervious Area |
| 8,040 | | 74.08% 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 = 0.31 cfs @ 12.09 hrs, Volume= 991 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,793 | 74 | >75% Grass cover, Good, HSG C |
| 3,230 | 98 | Paved parking, HSG C |
| 6,023 | 87 | Weighted Average |
| 2,793 | | 46.37% Pervious Area |
| 3,230 | | 53.63% Impervious Area |

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

Summary for Subcatchment C31: CB #31

Runoff = 0.92 cfs @ 12.09 hrs, Volume= 3,134 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 |
|-----------|----|-------------------------------|
| 634 | 74 | >75% Grass cover, Good, HSG C |
| 2,972 | 98 | Paved parking, HSG C |
| 764 | 80 | >75% Grass cover, Good, HSG D |
| 8,982 | 98 | Paved parking, HSG D |
| 13,352 | 96 | Weighted Average |
| 1,398 | | 10.47% Pervious Area |
| 11,954 | | 89.53% 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 = 0.94 cfs @ 12.09 hrs, Volume= 3,028 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 |
|-----------|----|-------------------------------|
| 4,858 | 74 | >75% Grass cover, Good, HSG C |
| 6,672 | 98 | Paved parking, HSG C |
| 26 | 80 | >75% Grass cover, Good, HSG D |
| 4,091 | 98 | Paved parking, HSG D |
| 15,647 | 91 | Weighted Average |
| 4,884 | | 31.21% Pervious Area |
| 10,763 | | 68.79% 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 C33: CB #33

Runoff = 0.69 cfs @ 12.09 hrs, Volume= 2,278 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 |
|-----------|----|-------------------------------|
| 2,168 | 80 | >75% Grass cover, Good, HSG D |
| 8,307 | 98 | Paved parking, HSG D |
| 10,475 | 94 | Weighted Average |
| 2,168 | | 20.70% Pervious Area |
| 8,307 | | 79.30% Impervious Area |

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

Summary for Subcatchment C34: CB #34

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,944 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 |
|-----------|----|-------------------------------|
| 312 | 80 | >75% Grass cover, Good, HSG D |
| 5,678 | 98 | Paved parking, HSG D |
| 1,988 | 98 | Roofs, HSG D |
| 7,978 | 97 | Weighted Average |
| 312 | | 3.91% Pervious Area |
| 7,666 | | 96.09% 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 = 0.46 cfs @ 12.09 hrs, Volume= 1,500 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 1,925 | 80 | >75% Grass cover, Good, HSG D |
| 5,243 | 98 | Paved parking, HSG D |
| 7,168 | 93 | Weighted Average |
| 1,925 | | 26.86% Pervious Area |
| 5,243 | | 73.14% 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 = 0.38 cfs @ 12.09 hrs, Volume= 1,350 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 |
|-----------|----|-------------------------------|
| 132 | 80 | >75% Grass cover, Good, HSG D |
| 5,206 | 98 | Paved parking, HSG D |
| 5,338 | 98 | Weighted Average |
| 132 | | 2.47% Pervious Area |
| 5,206 | | 97.53% Impervious Area |

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

Summary for Subcatchment C37: CB #37

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 898 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 |
|-----------|----|-------------------------------|
| 962 | 80 | >75% Grass cover, Good, HSG D |
| 3,168 | 98 | Paved parking, HSG D |
| 4,130 | 94 | Weighted Average |
| 962 | | 23.29% Pervious Area |
| 3,168 | | 76.71% 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 C38: CB #38

Runoff = 0.17 cfs @ 12.09 hrs, Volume= 620 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 |
|-----------|----|-------------------------|
| 2,450 | 98 | Paved parking, HSG D |
| 2,450 | | 100.00% Impervious Area |

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

Summary for Subcatchment C39: CB #39

Runoff = 1.25 cfs @ 12.09 hrs, Volume= 4,030 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 |
|-----------|----|-------------------------------|
| 7,541 | 80 | >75% Grass cover, Good, HSG D |
| 12,710 | 98 | Paved parking, HSG D |
| 576 | 98 | Roofs, HSG D |
| 20,827 | 91 | Weighted Average |
| 7,541 | | 36.21% Pervious Area |
| 13,286 | | 63.79% 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 = 0.57 cfs @ 12.16 hrs, Volume= 2,144 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 |
|-----------|----|-------------------------------|
| 12,820 | 61 | >75% Grass cover, Good, HSG B |
| 8,652 | 98 | Paved parking, HSG B |
| 21,472 | 76 | Weighted Average |
| 12,820 | | 59.71% Pervious Area |
| 8,652 | | 40.29% Impervious Area |

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| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.7 | 40 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 285 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 10.7 | 375 | Total | | | |

Summary for Subcatchment C40: CB #40

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,214 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 |
|-----------|----|-------------------------------|
| 356 | 80 | >75% Grass cover, Good, HSG D |
| 4,624 | 98 | Paved parking, HSG D |
| 4,980 | 97 | Weighted Average |
| 356 | | 7.15% Pervious Area |
| 4,624 | | 92.85% 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 = 0.37 cfs @ 12.09 hrs, Volume= 1,238 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 |
|-----------|----|-------------------------------|
| 821 | 80 | >75% Grass cover, Good, HSG D |
| 4,659 | 98 | Paved parking, HSG D |
| 5,480 | 95 | Weighted Average |
| 821 | | 14.98% Pervious Area |
| 4,659 | | 85.02% 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 C42: CB #42

Runoff = 2.05 cfs @ 12.12 hrs, Volume= 6,852 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 |
|-----------|----|-------------------------------|
| 1,274 | 39 | >75% Grass cover, Good, HSG A |
| 42,220 | 80 | >75% Grass cover, Good, HSG D |
| 8,142 | 98 | Paved parking, HSG D |
| 51,636 | 82 | Weighted Average |
| 43,494 | | 84.23% Pervious Area |
| 8,142 | | 15.77% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 3.9 | 50 | 0.0500 | 0.22 | | Sheet Flow, Grass: Short n= 0.150 P2= 3.27" |
| 0.4 | 40 | 0.0500 | 1.57 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 3.5 | 210 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 7.8 | 300 | Total | | | |

Summary for Subcatchment C43: CB #43

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,062 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 |
|-----------|----|-------------------------------|
| 2,274 | 74 | >75% Grass cover, Good, HSG C |
| 3,672 | 98 | Paved parking, HSG C |
| 5,946 | 89 | Weighted Average |
| 2,274 | | 38.24% Pervious Area |
| 3,672 | | 61.76% 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 = 0.34 cfs @ 12.09 hrs, Volume= 1,070 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,662 | 74 | >75% Grass cover, Good, HSG C |
| 3,574 | 98 | Paved parking, HSG C |
| 6,236 | 88 | Weighted Average |
| 2,662 | | 42.69% Pervious Area |
| 3,574 | | 57.31% 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 = 0.27 cfs @ 12.09 hrs, Volume= 893 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 |
|-----------|----|-------------------------------|
| 686 | 74 | >75% Grass cover, Good, HSG C |
| 3,419 | 98 | Paved parking, HSG C |
| 4,105 | 94 | Weighted Average |
| 686 | | 16.71% Pervious Area |
| 3,419 | | 83.29% Impervious Area |

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

Summary for Subcatchment C46: CB #46

Runoff = 0.42 cfs @ 12.09 hrs, Volume= 1,344 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 |
|-----------|----|-------------------------------|
| 2,100 | 74 | >75% Grass cover, Good, HSG C |
| 4,843 | 98 | Paved parking, HSG C |
| 6,943 | 91 | Weighted Average |
| 2,100 | | 30.25% Pervious Area |
| 4,843 | | 69.75% 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 C47: CB #47

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 629 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 |
|-----------|----|-------------------------|
| 2,486 | 98 | Paved parking, HSG C |
| 2,486 | | 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 = 0.25 cfs @ 12.09 hrs, Volume= 896 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 |
|-----------|----|-------------------------|
| 3,544 | 98 | Paved parking, HSG C |
| 3,544 | | 100.00% Impervious Area |

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

Summary for Subcatchment C49: CB #49

Runoff = 0.09 cfs @ 12.09 hrs, Volume= 308 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,194 | 98 | Paved parking, HSG C |
| 1,263 | 97 | Weighted Average |
| 69 | | 5.46% Pervious Area |
| 1,194 | | 94.54% 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 C5: CB #5

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 451 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 |
|-----------|----|-------------------------|
| 913 | 98 | Paved parking, HSG B |
| 870 | 98 | Paved parking, HSG D |
| 1,783 | 98 | Weighted Average |
| 1,783 | | 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 = 0.11 cfs @ 12.09 hrs, Volume= 387 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,521 | 98 | Paved parking, HSG C |
| 1,590 | 97 | Weighted Average |
| 69 | | 4.34% Pervious Area |
| 1,521 | | 95.66% Impervious Area |

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

Summary for Subcatchment C51: CB #51

Runoff = 0.64 cfs @ 12.09 hrs, Volume= 2,156 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 |
|-----------|----|-------------------------------|
| 609 | 61 | >75% Grass cover, Good, HSG B |
| 7,760 | 98 | Paved parking, HSG B |
| 125 | 74 | >75% Grass cover, Good, HSG C |
| 1,047 | 98 | Paved parking, HSG C |
| 9,541 | 95 | Weighted Average |
| 734 | | 7.69% Pervious Area |
| 8,807 | | 92.31% 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 C52: CB #52

Runoff = 1.01 cfs @ 12.09 hrs, Volume= 3,248 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 |
|-----------|----|-------------------------------|
| 3,737 | 61 | >75% Grass cover, Good, HSG B |
| 12,747 | 98 | Paved parking, HSG B |
| 127 | 74 | >75% Grass cover, Good, HSG C |
| 851 | 98 | Paved parking, HSG C |
| 17,462 | 90 | Weighted Average |
| 3,864 | | 22.13% Pervious Area |
| 13,598 | | 77.87% Impervious Area |

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

Summary for Subcatchment C53: CB #53

Runoff = 0.42 cfs @ 12.09 hrs, Volume= 1,401 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 |
|-----------|----|-------------------------------|
| 504 | 61 | >75% Grass cover, Good, HSG B |
| 5,698 | 98 | Paved parking, HSG B |
| 6,202 | 95 | Weighted Average |
| 504 | | 8.13% Pervious Area |
| 5,698 | | 91.87% Impervious Area |

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

Summary for Subcatchment C54: CB #54

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 849 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 |
|-----------|----|-------------------------------|
| 316 | 61 | >75% Grass cover, Good, HSG B |
| 3,440 | 98 | Paved parking, HSG B |
| 3,756 | 95 | Weighted Average |
| 316 | | 8.41% Pervious Area |
| 3,440 | | 91.59% Impervious Area |

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

Summary for Subcatchment C55: CB #55

Runoff = 0.68 cfs @ 12.11 hrs, Volume= 2,234 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 |
|-----------|----|-------------------------------|
| 10,044 | 61 | >75% Grass cover, Good, HSG B |
| 9,274 | 98 | Paved parking, HSG B |
| 19,318 | 79 | Weighted Average |
| 10,044 | | 51.99% Pervious Area |
| 9,274 | | 48.01% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.8 | 70 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 6.9 | 120 | Total | | | |

Summary for Subcatchment C56: CB #56

Runoff = 0.30 cfs @ 12.09 hrs, Volume= 973 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 |
|-----------|----|-------------------------------|
| 1,015 | 61 | >75% Grass cover, Good, HSG B |
| 4,014 | 98 | Paved parking, HSG B |
| 5,029 | 91 | Weighted Average |
| 1,015 | | 20.18% Pervious Area |
| 4,014 | | 79.82% 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 C57: CB #57

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 477 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 |
|-----------|----|-------------------------------|
| 369 | 61 | >75% Grass cover, Good, HSG B |
| 2,001 | 98 | Paved parking, HSG B |
| 2,370 | 92 | Weighted Average |
| 369 | | 15.57% Pervious Area |
| 2,001 | | 84.43% Impervious Area |

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

Summary for Subcatchment C58: CB #58

Runoff = 0.08 cfs @ 12.09 hrs, Volume= 271 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,119 | 98 | Paved parking, HSG B |
| 1,348 | 92 | Weighted Average |
| 229 | | 16.99% Pervious Area |
| 1,119 | | 83.01% Impervious Area |

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

Summary for Subcatchment C59: CB #59

Runoff = 0.10 cfs @ 12.09 hrs, Volume= 336 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,378 | 98 | Paved parking, HSG B |
| 1,607 | 93 | Weighted Average |
| 229 | | 14.25% Pervious Area |
| 1,378 | | 85.75% 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 = 0.18 cfs @ 12.09 hrs, Volume= 570 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 |
|-----------|----|-------------------------------|
| 1,084 | 61 | >75% Grass cover, Good, HSG B |
| 1,285 | 98 | Paved parking, HSG B |
| 955 | 98 | Paved parking, HSG D |
| 442 | 80 | >75% Grass cover, Good, HSG D |
| 3,766 | 85 | Weighted Average |
| 1,526 | | 40.52% Pervious Area |
| 2,240 | | 59.48% Impervious Area |

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

Summary for Subcatchment C60: CB #60

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 842 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 |
|-----------|----|-------------------------|
| 3,327 | 98 | Paved parking, HSG D |
| 3,327 | | 100.00% 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 C61: CB #61

Runoff = 0.43 cfs @ 12.09 hrs, Volume= 1,448 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 |
|-----------|----|-------------------------------|
| 965 | 80 | >75% Grass cover, Good, HSG D |
| 5,442 | 98 | Paved parking, HSG D |
| 6,407 | 95 | Weighted Average |
| 965 | | 15.06% Pervious Area |
| 5,442 | | 84.94% Impervious Area |

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

Summary for Subcatchment C62: CB #62

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 865 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 |
|-----------|----|-------------------------------|
| 2,010 | 61 | >75% Grass cover, Good, HSG B |
| 3,704 | 98 | Paved parking, HSG B |
| 5,714 | 85 | Weighted Average |
| 2,010 | | 35.18% Pervious Area |
| 3,704 | | 64.82% Impervious Area |

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

Summary for Subcatchment C64: CB #64

Runoff = 0.10 cfs @ 12.11 hrs, Volume= 399 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,231 | 39 | >75% Grass cover, Good, HSG A |
| 2,773 | 98 | Paved parking, HSG A |
| 86 | 80 | >75% Grass cover, Good, HSG D |
| 465 | 98 | Paved parking, HSG D |
| 7,555 | 65 | Weighted Average |
| 4,317 | | 57.14% Pervious Area |
| 3,238 | | 42.86% 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 = 0.51 cfs @ 12.09 hrs, Volume= 1,737 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 |
|-----------|----|-------------------------------|
| 376 | 61 | >75% Grass cover, Good, HSG B |
| 7,027 | 98 | Paved parking, HSG B |
| 7,403 | 96 | Weighted Average |
| 376 | | 5.08% Pervious Area |
| 7,027 | | 94.92% Impervious Area |

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

Summary for Subcatchment C8: CB #8

Runoff = 0.59 cfs @ 12.14 hrs, Volume= 2,113 cf, Depth> 1.97"

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 |
|-----------|----|-------------------------------|
| 3,838 | 61 | >75% Grass cover, Good, HSG B |
| 9,011 | 98 | Paved parking, HSG B |
| 12,849 | 87 | Weighted Average |
| 3,838 | | 29.87% Pervious Area |
| 9,011 | | 70.13% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.3 | 80 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 65 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 9.8 | 195 | Total | | | |

Summary for Subcatchment C9: CB #45

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,162 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 |
|-----------|----|-------------------------------|
| 3,207 | 74 | >75% Grass cover, Good, HSG C |
| 3,855 | 98 | Paved parking, HSG C |
| 7,062 | 87 | Weighted Average |
| 3,207 | | 45.41% Pervious Area |
| 3,855 | | 54.59% Impervious Area |

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

Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,200 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 |
|-----------|----|-------------------------------|
| 4,476 | 98 | Roofs, HSG D |
| 636 | 80 | >75% Grass cover, Good, HSG D |
| 5,112 | 96 | Weighted Average |
| 636 | | 12.44% Pervious Area |
| 4,476 | | 87.56% 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 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H10: SF #10

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

| 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 |
|-----------|----|-------------------------------|
| 2,419 | 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 |

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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 H12: SF #12

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 H13: SF #13

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.13 cfs @ 12.09 hrs, Volume= 445 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG C |
| 268 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 95 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.16 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H16: SF #16

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 H17: SF #17

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.13 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 H19: SF #19

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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 = 0.16 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.13 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"

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| 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 H22: SF #22

Runoff = 0.11 cfs @ 12.09 hrs, Volume= 343 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 |
|-----------|----|-------------------------------|
| 1,631 | 98 | Roofs, HSG A |
| 290 | 39 | >75% Grass cover, Good, HSG A |
| 1,921 | 89 | 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 H23: SF #23

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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG A |
| 268 | 39 | >75% Grass cover, Good, HSG A |
| 1,970 | 90 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H24: SF #24

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 |
| 322 | 39 | >75% Grass cover, Good, HSG A |
| 2,741 | 91 | 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 H25: SF #25

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 473 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 |
|-----------|----|-------------------------------|
| 2,032 | 98 | Roofs, HSG A |
| 283 | 39 | >75% Grass cover, Good, HSG A |
| 121 | 98 | Roofs, HSG C |
| 7 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 91 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.12 cfs @ 12.09 hrs, Volume= 372 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"

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Type III 24-hr 2YR Rainfall=3.27"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 988 | 98 | Roofs, HSG A |
| 207 | 39 | >75% Grass cover, Good, HSG A |
| 643 | 98 | Roofs, HSG C |
| 83 | 74 | >75% Grass cover, Good, HSG C |
| 1,921 | 91 | 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 H27: SF #27

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 381 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 |
|-----------|----|-------------------------------|
| 810 | 98 | Roofs, HSG A |
| 190 | 39 | >75% Grass cover, Good, HSG A |
| 892 | 98 | Roofs, HSG C |
| 78 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 91 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H28: SF #28

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 643 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 |
|-----------|----|-------------------------------|
| 683 | 98 | Roofs, HSG C |
| 38 | 74 | >75% Grass cover, Good, HSG C |
| 1,736 | 98 | Roofs, HSG D |
| 284 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H29: SF #29

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 548 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 |
|-----------|----|-------------------------------|
| 424 | 98 | Roofs, HSG C |
| 40 | 74 | >75% Grass cover, Good, HSG C |
| 1,639 | 98 | Roofs, HSG D |
| 230 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 96 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H30: SF #30

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 643 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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Type III 24-hr 2YR Rainfall=3.27"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 1,988 | 98 | Roofs, HSG C |
| 175 | 74 | >75% Grass cover, Good, HSG C |
| 431 | 98 | Roofs, HSG D |
| 147 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | 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 = 0.18 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 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H33: SF #33

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.16 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H35: SF #35

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H36: SF #36

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 |
| 319 | 74 | >75% Grass cover, Good, HSG C |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 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 H37: SF #37

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 H38: SF #38

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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.13 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 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 |
|-----------|----|-------------------------------|
| 2,418 | 98 | Roofs, HSG B |
| 323 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 323 | | 11.78% Pervious Area |
| 2,418 | | 88.22% 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 H40: SF #40

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 412 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.15 cfs @ 12.09 hrs, Volume= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H42: SF #42

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,033 | 98 | Roofs, HSG B |
| 202 | 61 | >75% Grass cover, Good, HSG B |
| 30 | 98 | Roofs, HSG D |
| 68 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.12 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 |
| 282 | 61 | >75% Grass cover, Good, HSG B |
| 8 | 80 | >75% Grass cover, Good, HSG D |
| 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 H44: SF #44

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 412 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H45: SF #45

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 531 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.18 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H47: SF #47

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 531 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H49: SF #49

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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, |

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Subcatchment H5: SF #5

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H50: SF #50

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H51: SF #51

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H52: SF #52

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H53: SF #53

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 531 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H54: SF #54

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H55: SF #55

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H56: SF #56

Runoff = 0.15 cfs @ 12.09 hrs, Volume= 507 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H57: SF #57

Runoff = 0.13 cfs @ 12.09 hrs, Volume= 412 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H58: SF #58

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 H59: SF #59

Runoff = 0.12 cfs @ 12.09 hrs, Volume= 402 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 |
|-----------|----|-------------------------------|
| 1,624 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 7 | 98 | Roofs, HSG D |
| 23 | 80 | >75% Grass cover, Good, HSG D |
| 1,921 | 93 | 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 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H60: SF #60

Runoff = 0.16 cfs @ 12.09 hrs, Volume= 531 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 |
|-----------|----|-------------------------------|
| 2,419 | 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 |

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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 S201: ACCESS ROAD APRON

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 990 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 |
|-----------|----|-------------------------------|
| 2,218 | 61 | >75% Grass cover, Good, HSG B |
| 4,321 | 98 | Paved parking, HSG B |
| 6,539 | 85 | Weighted Average |
| 2,218 | | 33.92% Pervious Area |
| 4,321 | | 66.08% Impervious Area |

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

Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 9.32 cfs @ 12.31 hrs, Volume= 44,796 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 |
|-----------|----|-------------------------------|
| 34,616 | 48 | Brush, Good, HSG B |
| 23,609 | 55 | Woods, Good, HSG B |
| 15,054 | 98 | Paved parking, HSG B |
| 22,380 | 98 | Water Surface, 0% imp, HSG B |
| 102,621 | 68 | 1 acre lots, 20% imp, HSG B |
| 4,867 | 74 | >75% Grass cover, Good, HSG C |
| 13,315 | 70 | Woods, Good, HSG C |
| 17,949 | 98 | Water Surface, 0% imp, HSG C |
| 1,086 | 73 | Brush, Good, HSG D |
| 14,917 | 77 | Woods, Good, HSG D |
| 107,657 | 98 | Water Surface, 0% imp, HSG D |
| 12,892 | 84 | 1 acre lots, 20% imp, HSG D |
| 370,963 | 80 | Weighted Average |
| 332,806 | | 89.71% Pervious Area |
| 38,157 | | 10.29% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 5.2 | 50 | 0.0600 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.7 | 170 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.8 | 60 | 0.0600 | 1.22 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.9 | 192 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.0 | 80 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 11.1 | 470 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 1,037 | Total | | | |

Summary for Subcatchment S203: EXISTING WETLANDS

Runoff = 2.25 cfs @ 12.26 hrs, Volume= 10,525 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 16,240 | 48 | Brush, Good, HSG B |
| 31,422 | 55 | Woods, Good, HSG B |
| 3,360 | 98 | Water Surface, 0% imp, HSG B |
| 43,662 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,053 | 74 | >75% Grass cover, Good, HSG C |
| 2,158 | 70 | Woods, Good, HSG C |
| 2,198 | 98 | Water Surface, 0% imp, HSG C |
| 3,001 | 73 | Brush, Good, HSG D |
| 5,288 | 77 | Woods, Good, HSG D |
| 28,424 | 98 | Water Surface, 0% imp, HSG D |
| 137,806 | 71 | Weighted Average |
| 129,074 | | 93.66% Pervious Area |
| 8,732 | | 6.34% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 5.2 | 50 | 0.0600 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.7 | 180 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 2.5 | 260 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 113 | 0.0400 | 1.00 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 5.2 | 220 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 16.6 | 838 | Total | | | |

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 5.57 cfs @ 12.40 hrs, Volume= 33,267 cf, Depth> 0.67"

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"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 74,372 | 30 | Brush, Good, HSG A |
| 79,677 | 30 | Woods, Good, HSG A |
| 25,957 | 48 | Brush, Good, HSG B |
| 14,769 | 55 | Woods, Good, HSG B |
| 84 | 98 | Water Surface, 0% imp, HSG B |
| 29,368 | 65 | Brush, Good, HSG C |
| 15,547 | 70 | Woods, Good, HSG C |
| 9,983 | 98 | Water Surface, 0% imp, HSG C |
| 60,968 | 73 | Brush, Good, HSG D |
| 175,984 | 77 | Woods, Good, HSG D |
| 105,918 | 98 | Water Surface, 0% imp, HSG D |
| 592,627 | 66 | Weighted Average |
| 592,627 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|---|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.4 | 230 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 10.0 | 300 | 0.0100 | 0.50 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 3.0 | 200 | 0.0500 | 1.12 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 0.4 | 40 | 0.1000 | 1.58 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 23.9 | 820 | Total | | | |

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Summary for Subcatchment S205: CUL-DE-SAC INFILTRATION POND

Runoff = 0.21 cfs @ 12.12 hrs, Volume= 1,021 cf, Depth> 0.47"

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 2YR Rainfall=3.27"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 25,952 | 61 | >75% Grass cover, Good, HSG B |
| 25,952 | | 100.00% Pervious Area |

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

Summary for Subcatchment S206: INFILTRATION POND #4

[73] Warning: Peak may fall outside time span

Runoff = 0.00 cfs @ 24.00 hrs, Volume= 2 cf, Depth> 0.00"

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 2YR Rainfall=3.27"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 17,694 | 39 | >75% Grass cover, Good, HSG A |
| 17,694 | | 100.00% Pervious Area |

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

Summary for Subcatchment S207: INFILTRATION POND #3

Runoff = 0.00 cfs @ 22.03 hrs, Volume= 21 cf, Depth> 0.01"

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 2YR Rainfall=3.27"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 23,338 | 39 | >75% Grass cover, Good, HSG A |
| 729 | 98 | Roofs, HSG A |
| 353 | 80 | >75% Grass cover, Good, HSG D |
| 24,420 | 41 | Weighted Average |
| 23,691 | | 97.01% Pervious Area |
| 729 | | 2.99% 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 S208: ISOLATED WETLAND

Runoff = 1.18 cfs @ 12.10 hrs, Volume= 3,867 cf, Depth> 1.14"

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 |
|-----------|----|-------------------------------|
| 6,532 | 39 | >75% Grass cover, Good, HSG A |
| 811 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 1,357 | 74 | >75% Grass cover, Good, HSG C |
| 346 | 98 | Water Surface, 0% imp, HSG C |
| 12,548 | 80 | >75% Grass cover, Good, HSG D |
| 10,640 | 77 | Woods, Good, HSG D |
| 6,063 | 98 | Water Surface, 0% imp, HSG D |
| 40,692 | 75 | Weighted Average |
| 40,692 | | 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: EXISTING WETLANDS

Runoff = 5.59 cfs @ 12.32 hrs, Volume= 27,335 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 |
|-----------|----|-------------------------------|
| 42,853 | 48 | Brush, Good, HSG B |
| 16,143 | 55 | Woods, Good, HSG B |
| 64,652 | 74 | >75% Grass cover, Good, HSG C |
| 37,510 | 70 | Woods, Good, HSG C |
| 95,456 | 98 | Water Surface, 0% imp, HSG C |
| 4,352 | 73 | Brush, Good, HSG D |
| 210 | 77 | Woods, Good, HSG D |
| 57 | 98 | Water Surface, 0% imp, HSG D |
| 261,233 | 77 | Weighted Average |
| 261,233 | | 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 10.4 | 50 | 0.0300 | 0.08 | | Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27" |
| 9.9 | 420 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.5 | 80 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 550 | Total | | | |

Summary for Subcatchment S210: INFILTRATION POND

Runoff = 0.85 cfs @ 12.10 hrs, Volume= 2,805 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 |
|-----------|----|-------------------------------|
| 14,132 | 61 | >75% Grass cover, Good, HSG B |
| 7,748 | 98 | Paved parking, HSG B |
| 9,213 | 74 | >75% Grass cover, Good, HSG C |
| 31,093 | 74 | Weighted Average |
| 23,345 | | 75.08% Pervious Area |
| 7,748 | | 24.92% Impervious Area |

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

Summary for Subcatchment S211: EXISTING WETLANDS

Runoff = 2.35 cfs @ 12.22 hrs, Volume= 10,306 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 |
|-----------|----|-------------------------------|
| 18,256 | 39 | >75% Grass cover, Good, HSG A |
| 11,504 | 30 | Woods, Good, HSG A |
| 3,417 | 98 | Water Surface, 0% imp, HSG A |
| 20,570 | 74 | >75% Grass cover, Good, HSG C |
| 23,109 | 70 | Woods, Good, HSG C |
| 40,658 | 98 | Water Surface, 0% imp, HSG C |
| 2,091 | 80 | >75% Grass cover, Good, HSG D |
| 1,163 | 77 | Woods, Good, HSG D |
| 120,768 | 73 | Weighted Average |
| 120,768 | | 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 2.0 | 20 | 0.1000 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.1 | 30 | 0.0400 | 0.12 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 8.9 | 530 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 15.0 | 580 | Total | | | |

Summary for Subcatchment S212: SWALE

Runoff = 1.05 cfs @ 12.40 hrs, Volume= 5,705 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 |
|-----------|----|-------------------------------|
| 63,598 | 74 | >75% Grass cover, Good, HSG C |
| 63,598 | | 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" |
| 7.4 | 220 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.7 | 70 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 4.4 | 130 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 26.6 | 470 | Total | | | |

Summary for Subcatchment S213: OFFSITE

Runoff = 1.09 cfs @ 12.28 hrs, Volume= 5,746 cf, Depth> 0.68"

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 2YR Rainfall=3.27"

| Area (sf) | CN | Description |
|-----------|----|-----------------------------|
| 8,519 | 48 | Brush, Good, HSG B |
| 467 | 55 | Woods, Good, HSG B |
| 93,140 | 68 | 1 acre lots, 20% imp, HSG B |
| 102,126 | 66 | Weighted Average |
| 83,498 | | 81.76% Pervious Area |
| 18,628 | | 18.24% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 5.2 | 50 | 0.0600 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.9 | 200 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.2 | 20 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 9.6 | 700 | 0.0300 | 1.21 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 17.0 | 985 | Total | | | |

Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 946 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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= 983 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 TH11: TOWN HOUSE #11

Runoff = 0.40 cfs @ 12.09 hrs, Volume= 1,377 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% Impervious Area |

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

Summary for Subcatchment TH2: TOWN HOUSE #2

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 946 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 |
|-----------|----|-------------------------------|
| 3,844 | 98 | Roofs, HSG B |
| 34 | 98 | Roofs, HSG C |
| 372 | 61 | >75% Grass cover, Good, HSG B |
| 99 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.29 cfs @ 12.09 hrs, Volume= 946 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.40 cfs @ 12.09 hrs, Volume= 1,377 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% Impervious Area |

| 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= 776 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 |
|-----------|----|-------------------------------|
| 3,030 | 98 | Roofs, HSG C |
| 404 | 74 | >75% Grass cover, Good, HSG C |
| 3,434 | 95 | Weighted Average |
| 404 | | 11.76% Pervious Area |
| 3,030 | | 88.24% 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 TH6: TOWN HOUSE #6

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 983 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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= 983 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.31 cfs @ 12.09 hrs, Volume= 1,100 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"

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Type III 24-hr 2YR Rainfall=3.27"

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| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 3,605 | 98 | Roofs, HSG C |
| 428 | 98 | Water Surface, 0% imp, HSG C |
| 273 | 98 | Roofs, HSG D |
| 43 | 98 | Water Surface, 0% imp, HSG D |
| 4,349 | 98 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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= 983 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% Impervious Area |

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

Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.78% Impervious, Inflow Depth = 0.06" for 2YR event
Inflow = 0.04 cfs @ 12.57 hrs, Volume= 56 cf
Outflow = 0.00 cfs @ 13.22 hrs, Volume= 25 cf, Atten= 98%, Lag= 39.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.02 fps, Min. Travel Time= 1,130.8 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 1,130.8 min

Peak Storage= 54 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, 88.13% Impervious, Inflow Depth = 0.08" for 2YR event
 Inflow = 0.01 cfs @ 12.55 hrs, Volume= 17 cf
 Outflow = 0.00 cfs @ 13.19 hrs, Volume= 9 cf, Atten= 98%, Lag= 38.4 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= 802.4 min
 Avg. Velocity = 0.02 fps, Avg. Travel Time= 802.4 min

Peak Storage= 16 cf @ 13.19 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'



Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,995 sf, 87.39% Impervious, Inflow Depth = 0.04" for 2YR event
 Inflow = 0.02 cfs @ 12.51 hrs, Volume= 22 cf
 Outflow = 0.00 cfs @ 13.11 hrs, Volume= 19 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= 20 cf @ 13.11 hrs
 Average Depth at Peak Storage= 0.00' , Surface Width= 40.01'
 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'

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Type III 24-hr 2YR Rainfall=3.27"

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Summary for Reach 4R: OVERLAND FLOW

Inflow Area = 16,890 sf, 87.66% Impervious, Inflow Depth = 0.20" for 2YR event
Inflow = 0.19 cfs @ 12.24 hrs, Volume= 276 cf
Outflow = 0.11 cfs @ 12.51 hrs, Volume= 276 cf, Atten= 43%, Lag= 15.8 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= 18.7 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 31.7 min

Peak Storage= 120 cf @ 12.51 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.24'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 54.42 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= 100.0' Slope= 0.0800 '/'
Inlet Invert= 198.00', Outlet Invert= 190.00'



Summary for Reach 5R: OVERLAND FLOW

Inflow Area = 4,254 sf, 86.84% Impervious, Inflow Depth = 0.06" for 2YR event
Inflow = 0.02 cfs @ 12.51 hrs, Volume= 22 cf
Outflow = 0.00 cfs @ 13.14 hrs, Volume= 17 cf, Atten= 96%, Lag= 38.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 489.5 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 489.5 min

Peak Storage= 21 cf @ 13.14 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.01'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.40 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= 826.0' Slope= 0.0266 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'

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Summary for Reach 6R: OVERLAND FLOW

Inflow Area = 12,118 sf, 88.02% Impervious, Inflow Depth = 0.07" for 2YR event
Inflow = 0.06 cfs @ 12.54 hrs, Volume= 73 cf
Outflow = 0.00 cfs @ 13.14 hrs, Volume= 63 cf, Atten= 95%, Lag= 35.5 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= 349.8 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 349.8 min

Peak Storage= 67 cf @ 13.14 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.02'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 34.58 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= 650.0' Slope= 0.0323 '/'
Inlet Invert= 207.00', Outlet Invert= 186.00'



Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 9,140 sf, 87.53% Impervious, Inflow Depth = 0.07" for 2YR event
Inflow = 0.04 cfs @ 12.53 hrs, Volume= 55 cf
Outflow = 0.00 cfs @ 13.09 hrs, Volume= 52 cf, Atten= 93%, Lag= 33.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.03 fps, Min. Travel Time= 254.9 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 254.9 min

Peak Storage= 49 cf @ 13.09 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.02'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 36.50 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= 500.0' Slope= 0.0360 '/'
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 5,074 sf, 88.33% Impervious, Inflow Depth = 0.10" for 2YR event
 Inflow = 0.04 cfs @ 12.52 hrs, Volume= 44 cf
 Outflow = 0.00 cfs @ 13.03 hrs, Volume= 43 cf, Atten= 89%, Lag= 30.8 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= 152.3 min
 Avg. Velocity = 0.04 fps, Avg. Travel Time= 152.3 min

Peak Storage= 36 cf @ 13.03 hrs
 Average Depth at Peak Storage= 0.00' , Surface Width= 50.02'
 Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 41.67 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= 341.0' Slope= 0.0469 '/'
 Inlet Invert= 202.00', Outlet Invert= 186.00'



Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 8,728 sf, 86.71% Impervious, Inflow Depth = 0.02" for 2YR event
 Inflow = 0.01 cfs @ 12.55 hrs, Volume= 17 cf
 Outflow = 0.00 cfs @ 13.08 hrs, Volume= 16 cf, Atten= 91%, Lag= 31.9 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= 207.4 min
 Avg. Velocity = 0.03 fps, Avg. Travel Time= 207.4 min

Peak Storage= 14 cf @ 13.08 hrs
 Average Depth at Peak Storage= 0.00' , Surface Width= 10.04'
 Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 8.12 cfs

10.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
 Side Slope Z-value= 5.0 '/' Top Width= 20.00'
 Length= 380.0' Slope= 0.0316 '/'
 Inlet Invert= 198.00', Outlet Invert= 186.00'

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Summary for Reach 10R: OVERLAND FLOW

Inflow Area = 12,999 sf, 88.26% Impervious, Inflow Depth = 0.06" for 2YR event
Inflow = 0.05 cfs @ 12.58 hrs, Volume= 64 cf
Outflow = 0.01 cfs @ 12.94 hrs, Volume= 64 cf, Atten= 70%, Lag= 21.8 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= 49.5 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 78.7 min

Peak Storage= 43 cf @ 12.94 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 10.21'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 10.77 cfs

10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 200.0' Slope= 0.0200 '/'
Inlet Invert= 209.00', Outlet Invert= 205.00'



Summary for Reach 11R: OVERLAND FLOW

Inflow Area = 10,588 sf, 86.70% Impervious, Inflow Depth = 0.03" for 2YR event
Inflow = 0.02 cfs @ 12.57 hrs, Volume= 25 cf
Outflow = 0.00 cfs @ 13.17 hrs, Volume= 18 cf, Atten= 96%, Lag= 35.9 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= 529.3 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 529.3 min

Peak Storage= 23 cf @ 13.17 hrs
Average Depth at Peak Storage= 0.00' , Surface Width= 50.01'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.34 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= 920.0' Slope= 0.0283 '/'
Inlet Invert= 212.00', Outlet Invert= 186.00'

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Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 18,000 sf, 89.16% Impervious, Inflow Depth = 0.68" for 2YR event
Inflow = 0.82 cfs @ 12.17 hrs, Volume= 1,016 cf
Outflow = 0.16 cfs @ 12.59 hrs, Volume= 1,001 cf, Atten= 80%, Lag= 25.2 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= 72.8 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 163.1 min

Peak Storage= 711 cf @ 12.59 hrs
Average Depth at Peak Storage= 0.05' , Surface Width= 50.47'
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 13R: OVERLAND FLOW

Inflow Area = 8,698 sf, 89.17% Impervious, Inflow Depth = 0.68" for 2YR event
Inflow = 0.40 cfs @ 12.16 hrs, Volume= 490 cf
Outflow = 0.02 cfs @ 12.90 hrs, Volume= 370 cf, Atten= 95%, Lag= 44.4 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= 401.1 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 498.2 min

Peak Storage= 440 cf @ 12.90 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.13'
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'

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Summary for Reach 14R: OVERLAND FLOW

Inflow Area = 137,806 sf, 6.34% Impervious, Inflow Depth > 0.92" for 2YR event
Inflow = 2.25 cfs @ 12.26 hrs, Volume= 10,525 cf
Outflow = 0.57 cfs @ 12.90 hrs, Volume= 9,456 cf, Atten= 75%, Lag= 38.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.12 fps, Min. Travel Time= 107.5 min
Avg. Velocity = 0.08 fps, Avg. Travel Time= 172.9 min

Peak Storage= 3,676 cf @ 12.90 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 50.91'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.90 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= 800.0' Slope= 0.0275 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth = 0.17" for 2YR event
Inflow = 0.30 cfs @ 12.66 hrs, Volume= 1,407 cf
Outflow = 0.15 cfs @ 13.57 hrs, Volume= 1,384 cf, Atten= 50%, Lag= 54.4 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= 75.2 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 148.6 min

Peak Storage= 674 cf @ 13.57 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 50.45'
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'

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Summary for Reach 16R: TRENCH DRAIN

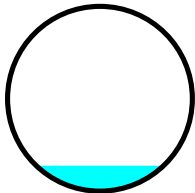
[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 0.63" for 2YR event
Inflow = 0.10 cfs @ 12.11 hrs, Volume= 399 cf
Outflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf, Atten= 0%, Lag= 0.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 1.56 fps, Min. Travel Time= 0.7 min
Avg. Velocity = 0.69 fps, Avg. Travel Time= 1.5 min

Peak Storage= 4 cf @ 12.12 hrs
Average Depth at Peak Storage= 0.14' , Surface Width= 0.69'
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.53 cfs

12.0" Round Pipe
n= 0.013 Corrugated PE, smooth interior
Length= 61.4' Slope= 0.0050 '/
Inlet Invert= 197.00', Outlet Invert= 196.69'



Summary for Reach 17R: SWALE

Inflow Area = 102,126 sf, 18.24% Impervious, Inflow Depth > 0.68" for 2YR event
Inflow = 1.09 cfs @ 12.28 hrs, Volume= 5,746 cf
Outflow = 0.60 cfs @ 12.63 hrs, Volume= 5,530 cf, Atten= 45%, Lag= 21.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.33 fps, Min. Travel Time= 32.5 min
Avg. Velocity = 0.16 fps, Avg. Travel Time= 64.9 min

Peak Storage= 1,167 cf @ 12.63 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 11.04'
Bank-Full Depth= 1.00' Flow Area= 13.0 sf, Capacity= 12.22 cfs

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10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass
Side Slope Z-value= 3.0 '/' Top Width= 16.00'
Length= 640.0' Slope= 0.0313 '/'
Inlet Invert= 224.00', Outlet Invert= 204.00'



Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 254,301 sf, 42.05% Impervious, Inflow Depth = 0.19" for 2YR event
Inflow = 0.52 cfs @ 13.19 hrs, Volume= 3,947 cf
Outflow = 0.49 cfs @ 13.42 hrs, Volume= 3,947 cf, Atten= 4%, Lag= 13.7 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= 14.3 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 32.1 min

Peak Storage= 425 cf @ 13.42 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 51.40'
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 19R: OVERLAND FLOW

Inflow Area = 120,768 sf, 0.00% Impervious, Inflow Depth > 1.02" for 2YR event
Inflow = 2.35 cfs @ 12.22 hrs, Volume= 10,306 cf
Outflow = 0.70 cfs @ 12.73 hrs, Volume= 9,471 cf, Atten= 70%, Lag= 30.6 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= 83.3 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 150.2 min

Peak Storage= 3,488 cf @ 12.73 hrs
Average Depth at Peak Storage= 0.14' , Surface Width= 51.38'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 19.62 cfs

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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= 500.0' Slope= 0.0104 '/'
Inlet Invert= 200.00', Outlet Invert= 194.80'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth = 0.20" for 2YR event
Inflow = 0.26 cfs @ 12.59 hrs, Volume= 765 cf
Outflow = 0.13 cfs @ 13.11 hrs, Volume= 764 cf, Atten= 49%, Lag= 31.3 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= 48.4 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 95.4 min

Peak Storage= 382 cf @ 13.11 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.34'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 38.05 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= 225.0' Slope= 0.0391 '/'
Inlet Invert= 194.80', Outlet Invert= 186.00'



Summary for Reach 21R: OVERLAND FLOW

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 0.63" for 2YR event
Inflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf
Outflow = 0.03 cfs @ 12.57 hrs, Volume= 374 cf, Atten= 71%, Lag= 27.2 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= 58.7 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 99.5 min

Peak Storage= 102 cf @ 12.57 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 20.99'
Bank-Full Depth= 1.00' Flow Area= 31.5 sf, Capacity= 6.85 cfs

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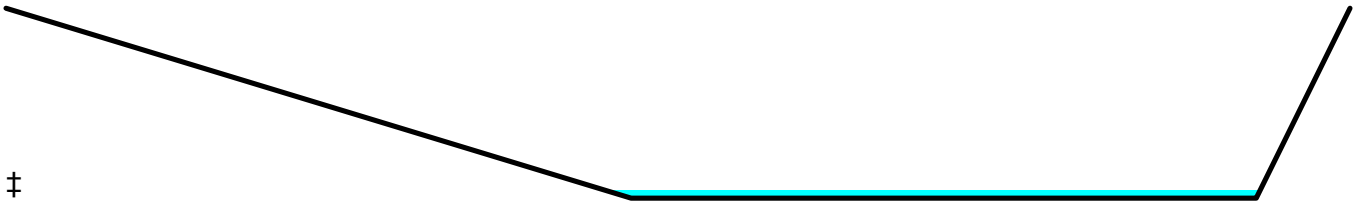
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20.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 3.0 '/' Top Width= 43.00'
Length= 115.0' Slope= 0.0052 '/'
Inlet Invert= 195.50', Outlet Invert= 194.90'



Summary for Reach 22R: CROSS PIPE

[52] Hint: Inlet/Outlet conditions not evaluated

[61] Hint: Exceeded Reach 19R outlet invert by 0.11' @ 12.75 hrs

[61] Hint: Exceeded Reach 21R outlet invert by 0.01' @ 12.75 hrs

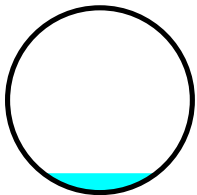
[62] Hint: Exceeded Reach R211 OUTLET depth by 0.11' @ 12.75 hrs

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 0.40" for 2YR event
Inflow = 0.73 cfs @ 12.73 hrs, Volume= 9,845 cf
Outflow = 0.73 cfs @ 12.73 hrs, Volume= 9,844 cf, Atten= 0%, Lag= 0.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 4.19 fps, Min. Travel Time= 0.1 min
Avg. Velocity = 2.65 fps, Avg. Travel Time= 0.2 min

Peak Storage= 6 cf @ 12.73 hrs
Average Depth at Peak Storage= 0.21' , Surface Width= 1.22'
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 31.99 cfs

24.0" Round Pipe
n= 0.013 Corrugated PE, smooth interior
Length= 35.0' Slope= 0.0200 '/'
Inlet Invert= 194.70', Outlet Invert= 194.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 0.40" for 2YR event
Inflow = 0.73 cfs @ 12.73 hrs, Volume= 9,844 cf
Outflow = 0.71 cfs @ 12.89 hrs, Volume= 9,737 cf, Atten= 3%, Lag= 9.6 min

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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= 10.2 min

Avg. Velocity = 0.17 fps, Avg. Travel Time= 18.1 min

Peak Storage= 435 cf @ 12.89 hrs

Average Depth at Peak Storage= 0.16' , Surface Width= 15.94'

Bank-Full Depth= 1.00' Flow Area= 18.0 sf, Capacity= 16.59 cfs

15.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 21.00'

Length= 180.0' Slope= 0.0278 '/'

Inlet Invert= 193.00', Outlet Invert= 188.00'



Summary for Reach R202: OVERLAND FLOW

Inflow Area = 370,963 sf, 10.29% Impervious, Inflow Depth > 1.45" for 2YR event

Inflow = 9.32 cfs @ 12.31 hrs, Volume= 44,796 cf

Outflow = 3.31 cfs @ 12.81 hrs, Volume= 41,403 cf, Atten= 64%, Lag= 29.7 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= 82.8 min

Avg. Velocity = 0.07 fps, Avg. Travel Time= 165.5 min

Peak Storage= 16,438 cf @ 12.81 hrs

Average Depth at Peak Storage= 0.22' , Surface Width= 111.12'

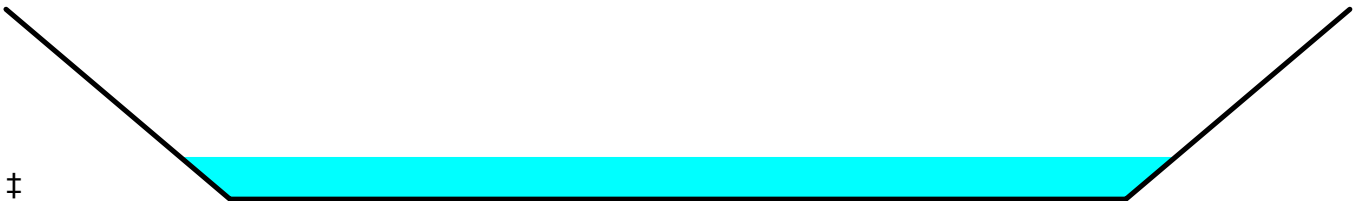
Bank-Full Depth= 1.00' Flow Area= 125.0 sf, Capacity= 43.95 cfs

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'



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Summary for Reach R211: OVERLAND FLOW

Inflow Area = 165,235 sf, 47.56% 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= 17.03 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= 600.0' Slope= 0.0078 '/'
 Inlet Invert= 199.50', Outlet Invert= 194.80'



Summary for Pond CB1: CB#1

Inflow Area = 10,706 sf, 37.85% Impervious, Inflow Depth > 1.14" for 2YR event
 Inflow = 0.28 cfs @ 12.13 hrs, Volume= 1,017 cf
 Outflow = 0.28 cfs @ 12.13 hrs, Volume= 1,017 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.28 cfs @ 12.13 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= 206.75' @ 12.13 hrs
 Flood Elev= 209.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.45' | 12.0" Round Culvert L= 21.0' Ke= 0.500 Inlet / Outlet Invert= 206.45' / 206.31' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.28 cfs @ 12.13 hrs HW=206.75' TW=206.38' (Dynamic Tailwater)
 ↑1=Culvert (Barrel Controls 0.28 cfs @ 2.13 fps)

Summary for Pond CB10: CB #10

Inflow Area = 5,492 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,389 cf
 Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,389 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.39 cfs @ 12.09 hrs, Volume= 1,389 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= 209.91' @ 12.09 hrs

Flood Elev= 212.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.54' | 12.0" Round Culvert L= 33.1' Ke= 0.500 Inlet / Outlet Invert= 209.54' / 209.37' S= 0.0051 '/' 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=209.90' TW=209.22' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.38 cfs @ 2.21 fps)**Summary for Pond CB11: CB #11**

Inflow Area = 2,381 sf, 54.01% Impervious, Inflow Depth > 1.98" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 392 cf
 Outflow = 0.12 cfs @ 12.09 hrs, Volume= 392 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.12 cfs @ 12.09 hrs, Volume= 392 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.27' @ 12.09 hrs

Flood Elev= 214.24'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 17.4' Ke= 0.500 Inlet / Outlet Invert= 211.07' / 210.97' S= 0.0057 '/' 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=211.27' TW=208.59' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.12 cfs @ 1.65 fps)**Summary for Pond CB12: CB #12**

Inflow Area = 2,480 sf, 63.99% Impervious, Inflow Depth > 2.14" for 2YR event
 Inflow = 0.14 cfs @ 12.09 hrs, Volume= 443 cf
 Outflow = 0.14 cfs @ 12.09 hrs, Volume= 443 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.14 cfs @ 12.09 hrs, Volume= 443 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.29' @ 12.09 hrs

Flood Elev= 214.25'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 211.07' / 210.98' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.14 cfs @ 12.09 hrs HW=211.29' TW=208.59' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.14 cfs @ 1.65 fps)

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Summary for Pond CB13: CB #13

Inflow Area = 6,942 sf, 55.47% Impervious, Inflow Depth > 1.98" for 2YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,143 cf
 Outflow = 0.36 cfs @ 12.09 hrs, Volume= 1,143 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.36 cfs @ 12.09 hrs, Volume= 1,143 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.91' @ 12.09 hrs
 Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.55' | 12.0" Round Culvert L= 10.1' Ke= 0.500 Inlet / Outlet Invert= 208.55' / 208.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.35 cfs @ 12.09 hrs HW=208.91' TW=207.01' (Dynamic Tailwater)
 ↑1=Culvert (Barrel Controls 0.35 cfs @ 2.07 fps)

Summary for Pond CB14: CB #14

Inflow Area = 6,999 sf, 66.87% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 0.41 cfs @ 12.09 hrs, Volume= 1,302 cf
 Outflow = 0.41 cfs @ 12.09 hrs, Volume= 1,302 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.41 cfs @ 12.09 hrs, Volume= 1,302 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.94' @ 12.09 hrs
 Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.56' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 208.56' / 208.49' S= 0.0050 '/' 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=208.94' TW=207.01' (Dynamic Tailwater)
 ↑1=Culvert (Barrel Controls 0.40 cfs @ 2.16 fps)

Summary for Pond CB15: CB #15

Inflow Area = 3,235 sf, 58.73% Impervious, Inflow Depth > 2.06" for 2YR event
 Inflow = 0.17 cfs @ 12.09 hrs, Volume= 555 cf
 Outflow = 0.17 cfs @ 12.09 hrs, Volume= 555 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.17 cfs @ 12.09 hrs, Volume= 555 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.48' @ 12.09 hrs
 Flood Elev= 211.95'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.23' | 12.0" Round Culvert L= 14.0' Ke= 0.500 |

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Inlet / Outlet Invert= 207.23' / 207.16' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf Cc= 0.900

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=207.47' TW=207.29' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.17 cfs @ 1.74 fps)

Summary for Pond CB16: CB #16

Inflow Area = 2,087 sf, 71.87% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 0.13 cfs @ 12.09 hrs, Volume= 404 cf
Outflow = 0.13 cfs @ 12.09 hrs, Volume= 404 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.09 hrs, Volume= 404 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.40' @ 12.09 hrs

Flood Elev= 211.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 207.19' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.19' / 207.12' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf Cc= 0.900 |

Primary OutFlow Max=0.12 cfs @ 12.09 hrs HW=207.40' TW=207.29' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.12 cfs @ 1.55 fps)

Summary for Pond CB17: CB #17

Inflow Area = 9,714 sf, 59.89% Impervious, Inflow Depth > 2.06" for 2YR event
Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,666 cf
Outflow = 0.53 cfs @ 12.09 hrs, Volume= 1,666 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.53 cfs @ 12.09 hrs, Volume= 1,666 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.04' @ 12.09 hrs

Flood Elev= 208.96'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.62' | 12.0" Round Culvert L= 13.6' Ke= 0.500 Inlet / Outlet Invert= 202.62' / 202.52' S= 0.0074 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf Cc= 0.900 |

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=203.04' TW=202.83' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.52 cfs @ 2.46 fps)

Summary for Pond CB18: CB #18

Inflow Area = 9,165 sf, 65.72% Impervious, Inflow Depth > 2.23" for 2YR event
Inflow = 0.53 cfs @ 12.09 hrs, Volume= 1,705 cf
Outflow = 0.53 cfs @ 12.09 hrs, Volume= 1,705 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.53 cfs @ 12.09 hrs, Volume= 1,705 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= 203.51' @ 12.09 hrs

Flood Elev= 209.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.07' | 12.0" Round Culvert L= 17.7' Ke= 0.500 Inlet / Outlet Invert= 203.07' / 202.98' 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=203.51' TW=202.83' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.52 cfs @ 2.34 fps)

Summary for Pond CB19: CB #19

Inflow Area = 6,910 sf, 57.21% Impervious, Inflow Depth > 2.06" for 2YR event
Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,185 cf
Outflow = 0.37 cfs @ 12.09 hrs, Volume= 1,185 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.09 hrs, Volume= 1,185 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.96' @ 12.09 hrs

Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 16.1' Ke= 0.500 Inlet / Outlet Invert= 203.59' / 203.51' 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=203.95' TW=201.70' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.37 cfs @ 2.12 fps)

Summary for Pond CB2: CB#2

Inflow Area = 21,674 sf, 80.07% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 1.30 cfs @ 12.09 hrs, Volume= 4,194 cf
Outflow = 1.30 cfs @ 12.09 hrs, Volume= 4,194 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.30 cfs @ 12.09 hrs, Volume= 4,194 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.66' @ 12.09 hrs

Flood Elev= 207.47'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.03' | 15.0" Round Culvert L= 108.6' Ke= 0.500 Inlet / Outlet Invert= 204.03' / 203.49' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.27 cfs @ 12.09 hrs HW=204.65' TW=203.63' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.27 cfs @ 3.04 fps)

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Summary for Pond CB20: CB #20

Inflow Area = 8,034 sf, 73.30% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.50 cfs @ 12.09 hrs, Volume= 1,617 cf
 Outflow = 0.50 cfs @ 12.09 hrs, Volume= 1,617 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.50 cfs @ 12.09 hrs, Volume= 1,617 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.01' @ 12.09 hrs
 Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 203.59' / 203.50' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=204.01' TW=201.70' (Dynamic Tailwater)
 ↖**1=Culvert** (Barrel Controls 0.49 cfs @ 2.30 fps)

Summary for Pond CB21: CB #21

Inflow Area = 9,293 sf, 82.86% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,798 cf
 Outflow = 0.56 cfs @ 12.09 hrs, Volume= 1,798 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.56 cfs @ 12.09 hrs, Volume= 1,798 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 201.07' @ 12.09 hrs
 Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.62' | 12.0" Round Culvert L= 19.7' Ke= 0.500 Inlet / Outlet Invert= 200.62' / 200.52' S= 0.0051 '/' 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=201.07' TW=200.76' (Dynamic Tailwater)
 ↖**1=Culvert** (Barrel Controls 0.55 cfs @ 2.37 fps)

Summary for Pond CB22: CB #22

Inflow Area = 10,403 sf, 81.23% Impervious, Inflow Depth > 1.98" for 2YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,712 cf
 Outflow = 0.54 cfs @ 12.09 hrs, Volume= 1,712 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.54 cfs @ 12.09 hrs, Volume= 1,712 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 201.06' @ 12.09 hrs
 Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.61' | 12.0" Round Culvert L= 18.0' Ke= 0.500 |

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Inlet / Outlet Invert= 200.61' / 200.52' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.53 cfs @ 12.09 hrs HW=201.05' TW=200.76' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.53 cfs @ 2.34 fps)

Summary for Pond CB23: CB #23

Inflow Area = 19,822 sf, 84.04% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 1.19 cfs @ 12.09 hrs, Volume= 3,836 cf
Outflow = 1.19 cfs @ 12.09 hrs, Volume= 3,836 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.19 cfs @ 12.09 hrs, Volume= 3,836 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.37' @ 12.09 hrs

Flood Elev= 204.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.75' | 12.0" Round Culvert L= 21.9' Ke= 0.500 Inlet / Outlet Invert= 200.75' / 200.53' S= 0.0100 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.16 cfs @ 12.09 hrs HW=201.37' TW=196.80' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.16 cfs @ 3.28 fps)

Summary for Pond CB24: CB #24

Inflow Area = 2,226 sf, 99.87% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.16 cfs @ 12.09 hrs, Volume= 563 cf
Outflow = 0.16 cfs @ 12.09 hrs, Volume= 563 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.16 cfs @ 12.09 hrs, Volume= 563 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.29' @ 12.09 hrs

Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.06' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 202.06' / 201.95' S= 0.0056 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.15 cfs @ 12.09 hrs HW=202.29' TW=196.79' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.15 cfs @ 1.75 fps)

Summary for Pond CB25: CB #25

Inflow Area = 2,249 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.16 cfs @ 12.09 hrs, Volume= 569 cf
Outflow = 0.16 cfs @ 12.09 hrs, Volume= 569 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.16 cfs @ 12.09 hrs, Volume= 569 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= 204.54' @ 12.09 hrs

Flood Elev= 207.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0074 '/ 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=204.54' TW=198.53' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.16 cfs @ 1.87 fps)**Summary for Pond CB26: CB #26**

Inflow Area = 3,194 sf, 78.40% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.21 cfs @ 12.09 hrs, Volume= 695 cf
 Outflow = 0.21 cfs @ 12.09 hrs, Volume= 695 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.21 cfs @ 12.09 hrs, Volume= 695 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.57' @ 12.09 hrs

Flood Elev= 207.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 14.9' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0081 '/ 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=204.57' TW=198.53' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.20 cfs @ 2.03 fps)**Summary for Pond CB27: CB #27**

Inflow Area = 13,200 sf, 88.54% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.89 cfs @ 12.09 hrs, Volume= 2,983 cf
 Outflow = 0.89 cfs @ 12.09 hrs, Volume= 2,983 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.89 cfs @ 12.09 hrs, Volume= 2,983 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.95' @ 12.09 hrs

Flood Elev= 205.53'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.36' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.36' / 202.30' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=202.94' TW=199.95' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.87 cfs @ 2.63 fps)

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Summary for Pond CB28: CB #28

Inflow Area = 18,536 sf, 69.19% Impervious, Inflow Depth > 2.42" for 2YR event
Inflow = 1.15 cfs @ 12.09 hrs, Volume= 3,731 cf
Outflow = 1.15 cfs @ 12.09 hrs, Volume= 3,731 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.15 cfs @ 12.09 hrs, Volume= 3,731 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.05' @ 12.09 hrs
Flood Elev= 205.55'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.37' | 12.0" Round Culvert L= 11.6' Ke= 0.500 Inlet / Outlet Invert= 202.37' / 202.31' S= 0.0052 '/' 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=203.04' TW=199.95' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.12 cfs @ 2.81 fps)

Summary for Pond CB29: CB #29

Inflow Area = 1,837 sf, 70.93% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 0.11 cfs @ 12.09 hrs, Volume= 355 cf
Outflow = 0.11 cfs @ 12.09 hrs, Volume= 355 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.11 cfs @ 12.09 hrs, Volume= 355 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.15' @ 12.09 hrs
Flood Elev= 205.87'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 23.4' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0056 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.11 cfs @ 12.09 hrs HW=203.15' TW=201.05' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.11 cfs @ 1.60 fps)

Summary for Pond CB3: CB#3

Inflow Area = 10,853 sf, 74.08% Impervious, Inflow Depth > 2.06" for 2YR event
Inflow = 0.59 cfs @ 12.09 hrs, Volume= 1,862 cf
Outflow = 0.59 cfs @ 12.09 hrs, Volume= 1,862 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.09 hrs, Volume= 1,862 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 209.39' @ 12.09 hrs
Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 12.0" Round Culvert L= 17.4' Ke= 0.500 |

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Inlet / Outlet Invert= 208.93' / 208.84' S= 0.0052 '/' Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.57 cfs @ 12.09 hrs HW=209.39' TW=208.92' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.57 cfs @ 2.40 fps)

Summary for Pond CB30: CB #30

Inflow Area = 6,023 sf, 53.63% Impervious, Inflow Depth > 1.98" for 2YR event
Inflow = 0.31 cfs @ 12.09 hrs, Volume= 991 cf
Outflow = 0.31 cfs @ 12.09 hrs, Volume= 991 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.09 hrs, Volume= 991 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.27' @ 12.09 hrs

Flood Elev= 206.13'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0087 '/' 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=203.26' TW=201.05' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.31 cfs @ 2.27 fps)

Summary for Pond CB31: CB #31

Inflow Area = 13,352 sf, 89.53% Impervious, Inflow Depth > 2.82" for 2YR event
Inflow = 0.92 cfs @ 12.09 hrs, Volume= 3,134 cf
Outflow = 0.92 cfs @ 12.09 hrs, Volume= 3,134 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.09 hrs, Volume= 3,134 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.41' @ 12.09 hrs

Flood Elev= 205.01'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.83' | 12.0" Round Culvert L= 39.2' Ke= 0.500 Inlet / Outlet Invert= 201.83' / 201.63' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.90 cfs @ 12.09 hrs HW=202.41' TW=201.78' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.90 cfs @ 2.76 fps)

Summary for Pond CB32: CB #32

Inflow Area = 15,647 sf, 68.79% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 0.94 cfs @ 12.09 hrs, Volume= 3,028 cf
Outflow = 0.94 cfs @ 12.09 hrs, Volume= 3,028 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.94 cfs @ 12.09 hrs, Volume= 3,028 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= 202.59' @ 12.09 hrs

Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.00' | 12.0" Round Culvert L= 54.5' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.72' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.92 cfs @ 12.09 hrs HW=202.58' TW=201.78' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.92 cfs @ 2.82 fps)**Summary for Pond CB33: CB #33**

Inflow Area = 10,475 sf, 79.30% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,278 cf
 Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,278 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,278 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= 207.89'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.78' | 12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 204.78' / 204.50' S= 0.0170 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=205.19' TW=204.75' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.67 cfs @ 2.19 fps)**Summary for Pond CB34: CB #34**

Inflow Area = 7,978 sf, 96.09% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,944 cf
 Outflow = 0.56 cfs @ 12.09 hrs, Volume= 1,944 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.56 cfs @ 12.09 hrs, Volume= 1,944 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.21' @ 12.09 hrs

Flood Elev= 207.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.76' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 204.76' / 204.66' S= 0.0051 '/' 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=205.20' TW=204.75' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.54 cfs @ 2.38 fps)

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Summary for Pond CB35: CB #35

Inflow Area = 7,168 sf, 73.14% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,500 cf
 Outflow = 0.46 cfs @ 12.09 hrs, Volume= 1,500 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.46 cfs @ 12.09 hrs, Volume= 1,500 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.11' @ 12.09 hrs
 Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.63' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.63' / 204.55' S= 0.0051 '/' 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=205.10' TW=204.99' (Dynamic Tailwater)
 ↑1=Culvert (Outlet Controls 0.45 cfs @ 1.79 fps)

Summary for Pond CB36: CB #36

Inflow Area = 5,338 sf, 97.53% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,350 cf
 Outflow = 0.38 cfs @ 12.09 hrs, Volume= 1,350 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.38 cfs @ 12.09 hrs, Volume= 1,350 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.09' @ 12.09 hrs
 Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.64' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.64' / 204.56' S= 0.0051 '/' 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=205.08' TW=204.99' (Dynamic Tailwater)
 ↑1=Culvert (Outlet Controls 0.37 cfs @ 1.62 fps)

Summary for Pond CB37: CB #37

Inflow Area = 4,130 sf, 76.71% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 898 cf
 Outflow = 0.27 cfs @ 12.09 hrs, Volume= 898 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.27 cfs @ 12.09 hrs, Volume= 898 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 199.90' @ 12.09 hrs
 Flood Elev= 205.03'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 199.60' | 12.0" Round Culvert L= 28.7' Ke= 0.500 |

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Inlet / Outlet Invert= 199.60' / 199.45' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=199.90' TW=197.36' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.26 cfs @ 2.01 fps)

Summary for Pond CB38: CB #38

Inflow Area = 2,450 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 620 cf
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 620 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 620 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 199.79' @ 12.09 hrs
Flood Elev= 205.84'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.55' | 12.0" Round Culvert L= 22.7' Ke= 0.500 Inlet / Outlet Invert= 199.55' / 199.43' S= 0.0053 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=199.79' TW=197.36' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.17 cfs @ 1.78 fps)

Summary for Pond CB39: CB #39

Inflow Area = 20,827 sf, 63.79% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 1.25 cfs @ 12.09 hrs, Volume= 4,030 cf
Outflow = 1.25 cfs @ 12.09 hrs, Volume= 4,030 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.25 cfs @ 12.09 hrs, Volume= 4,030 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.29' @ 12.09 hrs
Flood Elev= 199.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.60' | 12.0" Round Culvert L= 31.2' Ke= 0.500 Inlet / Outlet Invert= 196.60' / 196.41' S= 0.0061 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.22 cfs @ 12.09 hrs HW=197.28' TW=196.28' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.22 cfs @ 3.06 fps)

Summary for Pond CB4: CB#4

Inflow Area = 21,472 sf, 40.29% Impervious, Inflow Depth > 1.20" for 2YR event
Inflow = 0.57 cfs @ 12.16 hrs, Volume= 2,144 cf
Outflow = 0.57 cfs @ 12.16 hrs, Volume= 2,144 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.16 hrs, Volume= 2,144 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= 209.39' @ 12.16 hrs

Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.94' | 12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 208.94' / 208.85' S= 0.0055 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.56 cfs @ 12.16 hrs HW=209.39' TW=208.89' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.56 cfs @ 2.40 fps)

Summary for Pond CB40: CB #40

Inflow Area = 4,980 sf, 92.85% Impervious, Inflow Depth > 2.92" for 2YR event
Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,214 cf
Outflow = 0.35 cfs @ 12.09 hrs, Volume= 1,214 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.35 cfs @ 12.09 hrs, Volume= 1,214 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.83' @ 12.09 hrs

Flood Elev= 206.81'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.47' | 12.0" Round Culvert L= 13.4' Ke= 0.500 Inlet / Outlet Invert= 202.47' / 202.40' S= 0.0052 '/ 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=202.82' TW=202.68' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.34 cfs @ 2.04 fps)

Summary for Pond CB41: CB #41

Inflow Area = 5,480 sf, 85.02% Impervious, Inflow Depth > 2.71" for 2YR event
Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,238 cf
Outflow = 0.37 cfs @ 12.09 hrs, Volume= 1,238 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.37 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= 202.83' @ 12.09 hrs

Flood Elev= 206.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.46' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 202.46' / 202.40' S= 0.0050 '/ 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=202.82' TW=202.68' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.36 cfs @ 2.09 fps)

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Summary for Pond CB42: CB #42

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 0.99" for 2YR event
Inflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf
Outflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 199.54' @ 12.12 hrs
Flood Elev= 203.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 198.77' | 18.0" Round Culvert L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 198.77' / 198.03' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.02 cfs @ 12.12 hrs HW=199.53' TW=198.68' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 2.02 cfs @ 3.31 fps)

Summary for Pond CB43: CB #43

Inflow Area = 5,946 sf, 61.76% Impervious, Inflow Depth > 2.14" for 2YR event
Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,062 cf
Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,062 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,062 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.13' @ 12.09 hrs
Flood Elev= 207.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.73' | 12.0" Round Culvert L= 21.1' Ke= 0.200 Inlet / Outlet Invert= 204.73' / 204.62' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.33 cfs @ 12.09 hrs HW=205.12' TW=205.01' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 0.33 cfs @ 1.71 fps)

Summary for Pond CB44: CB #44

Inflow Area = 6,236 sf, 57.31% Impervious, Inflow Depth > 2.06" for 2YR event
Inflow = 0.34 cfs @ 12.09 hrs, Volume= 1,070 cf
Outflow = 0.34 cfs @ 12.09 hrs, Volume= 1,070 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 12.09 hrs, Volume= 1,070 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.12' @ 12.09 hrs
Flood Elev= 207.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.70' | 12.0" Round Culvert L= 22.0' Ke= 0.200 |

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Inlet / Outlet Invert= 204.70' / 204.59' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.33 cfs @ 12.09 hrs HW=205.11' TW=205.01' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.33 cfs @ 1.62 fps)

Summary for Pond CB45: CB #45

Inflow Area = 4,105 sf, 83.29% Impervious, Inflow Depth > 2.61" for 2YR event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 893 cf
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 893 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 893 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.67' @ 12.09 hrs

Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.38' | 12.0" Round Culvert L= 11.7' Ke= 0.200 Inlet / Outlet Invert= 206.38' / 206.30' S= 0.0068 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=206.67' TW=206.52' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.26 cfs @ 2.12 fps)

Summary for Pond CB46: CB #46

Inflow Area = 6,943 sf, 69.75% Impervious, Inflow Depth > 2.32" for 2YR event
Inflow = 0.42 cfs @ 12.09 hrs, Volume= 1,344 cf
Outflow = 0.42 cfs @ 12.09 hrs, Volume= 1,344 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.09 hrs, Volume= 1,344 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.78' @ 12.09 hrs

Flood Elev= 209.41'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.42' | 12.0" Round Culvert L= 16.5' Ke= 0.200 Inlet / Outlet Invert= 206.42' / 206.30' S= 0.0073 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.41 cfs @ 12.09 hrs HW=206.77' TW=206.52' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.41 cfs @ 2.47 fps)

Summary for Pond CB47: CB #47

Inflow Area = 2,486 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.18 cfs @ 12.09 hrs, Volume= 629 cf
Outflow = 0.18 cfs @ 12.09 hrs, Volume= 629 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.18 cfs @ 12.09 hrs, Volume= 629 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= 208.58' @ 12.09 hrs

Flood Elev= 211.45'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 17.9' Ke= 0.200 Inlet / Outlet Invert= 208.34' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=208.58' TW=208.26' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.17 cfs @ 1.82 fps)

Summary for Pond CB48: CB #48

Inflow Area = 3,544 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 896 cf
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 896 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 896 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.63' @ 12.09 hrs

Flood Elev= 211.46'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 19.5' Ke= 0.200 Inlet / Outlet Invert= 208.34' / 208.24' S= 0.0051 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.25 cfs @ 12.09 hrs HW=208.62' TW=208.26' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.25 cfs @ 2.02 fps)

Summary for Pond CB49: CB #49

Inflow Area = 1,263 sf, 94.54% Impervious, Inflow Depth > 2.92" for 2YR event
Inflow = 0.09 cfs @ 12.09 hrs, Volume= 308 cf
Outflow = 0.09 cfs @ 12.09 hrs, Volume= 308 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.09 cfs @ 12.09 hrs, Volume= 308 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= 213.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.48' | 12.0" Round Culvert L= 19.9' Ke= 0.200 Inlet / Outlet Invert= 210.48' / 210.24' S= 0.0121 '/ 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=210.62' TW=210.05' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.09 cfs @ 1.93 fps)

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Summary for Pond CB5: CB#5

Inflow Area = 1,783 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.13 cfs @ 12.09 hrs, Volume= 451 cf
Outflow = 0.13 cfs @ 12.09 hrs, Volume= 451 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.13 cfs @ 12.09 hrs, Volume= 451 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 212.37' @ 12.09 hrs
Flood Elev= 215.32'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 212.16' | 12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 212.16' / 212.00' S= 0.0053 '/ 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=212.36' TW=211.92' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.12 cfs @ 1.64 fps)

Summary for Pond CB50: CB #50

Inflow Area = 1,590 sf, 95.66% Impervious, Inflow Depth > 2.92" for 2YR event
Inflow = 0.11 cfs @ 12.09 hrs, Volume= 387 cf
Outflow = 0.11 cfs @ 12.09 hrs, Volume= 387 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.11 cfs @ 12.09 hrs, Volume= 387 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 210.29' @ 12.09 hrs
Flood Elev= 213.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.10' | 12.0" Round Culvert L= 34.1' Ke= 0.200 Inlet / Outlet Invert= 210.10' / 209.92' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.11 cfs @ 12.09 hrs HW=210.29' TW=210.05' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.11 cfs @ 1.62 fps)

Summary for Pond CB51: CB #51

Inflow Area = 9,541 sf, 92.31% Impervious, Inflow Depth > 2.71" for 2YR event
Inflow = 0.64 cfs @ 12.09 hrs, Volume= 2,156 cf
Outflow = 0.64 cfs @ 12.09 hrs, Volume= 2,156 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.09 hrs, Volume= 2,156 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= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.4' Ke= 0.500 |

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Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0049 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.63 cfs @ 12.09 hrs HW=210.63' TW=209.84' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.63 cfs @ 2.46 fps)

Summary for Pond CB52: CB #52

Inflow Area = 17,462 sf, 77.87% Impervious, Inflow Depth > 2.23" for 2YR event
Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,248 cf
Outflow = 1.01 cfs @ 12.09 hrs, Volume= 3,248 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.09 hrs, Volume= 3,248 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.78' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.2' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.99 cfs @ 12.09 hrs HW=210.77' TW=209.85' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.99 cfs @ 2.77 fps)

Summary for Pond CB53: CB #53

Inflow Area = 6,202 sf, 91.87% Impervious, Inflow Depth > 2.71" for 2YR event
Inflow = 0.42 cfs @ 12.09 hrs, Volume= 1,401 cf
Outflow = 0.42 cfs @ 12.09 hrs, Volume= 1,401 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.42 cfs @ 12.09 hrs, Volume= 1,401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.30' @ 12.09 hrs

Flood Elev= 217.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.93' | 12.0" Round Culvert L= 24.7' Ke= 0.500 Inlet / Outlet Invert= 213.93' / 213.77' S= 0.0065 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.41 cfs @ 12.09 hrs HW=214.29' TW=213.77' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.41 cfs @ 2.35 fps)

Summary for Pond CB54: CB #54

Inflow Area = 3,756 sf, 91.59% Impervious, Inflow Depth > 2.71" for 2YR event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 849 cf
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 849 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 849 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= 217.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.13' | 12.0" Round Culvert L= 38.2' Ke= 0.500 Inlet / Outlet Invert= 214.13' / 213.77' S= 0.0094 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.25 cfs @ 12.09 hrs HW=214.38' TW=213.77' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.25 cfs @ 2.37 fps)**Summary for Pond CB55: CB #55**

Inflow Area = 19,318 sf, 48.01% Impervious, Inflow Depth > 1.39" for 2YR event
 Inflow = 0.68 cfs @ 12.11 hrs, Volume= 2,234 cf
 Outflow = 0.68 cfs @ 12.11 hrs, Volume= 2,234 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.68 cfs @ 12.11 hrs, Volume= 2,234 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.96' @ 12.11 hrs

Flood Elev= 220.65'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 217.48' | 12.0" Round Culvert L= 73.1' Ke= 0.500 Inlet / Outlet Invert= 217.48' / 217.10' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.67 cfs @ 12.11 hrs HW=217.96' TW=217.29' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.67 cfs @ 2.64 fps)**Summary for Pond CB56: CB #56**

Inflow Area = 5,029 sf, 79.82% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.30 cfs @ 12.09 hrs, Volume= 973 cf
 Outflow = 0.30 cfs @ 12.09 hrs, Volume= 973 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.30 cfs @ 12.09 hrs, Volume= 973 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.47' @ 12.09 hrs

Flood Elev= 223.34'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 220.16' | 12.0" Round Culvert L= 26.6' Ke= 0.500 Inlet / Outlet Invert= 220.16' / 220.00' S= 0.0060 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=220.47' TW=220.02' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.14 fps)

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Summary for Pond CB57: CB #57

Inflow Area = 2,370 sf, 84.43% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 477 cf
 Outflow = 0.15 cfs @ 12.09 hrs, Volume= 477 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.15 cfs @ 12.09 hrs, Volume= 477 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.38' @ 12.09 hrs
 Flood Elev= 223.37'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 220.19' | 12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 220.19' / 220.01' S= 0.0149 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.14 cfs @ 12.09 hrs HW=220.37' TW=220.02' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.14 cfs @ 2.18 fps)

Summary for Pond CB58: CB #58

Inflow Area = 1,348 sf, 83.01% Impervious, Inflow Depth > 2.42" for 2YR event
 Inflow = 0.08 cfs @ 12.09 hrs, Volume= 271 cf
 Outflow = 0.08 cfs @ 12.09 hrs, Volume= 271 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.08 cfs @ 12.09 hrs, Volume= 271 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.70' @ 12.09 hrs
 Flood Elev= 224.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 221.53' | 12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0055 '/' 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=221.70' TW=221.57' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.08 cfs @ 1.46 fps)

Summary for Pond CB59: CB #59

Inflow Area = 1,607 sf, 85.75% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.10 cfs @ 12.09 hrs, Volume= 336 cf
 Outflow = 0.10 cfs @ 12.09 hrs, Volume= 336 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.10 cfs @ 12.09 hrs, Volume= 336 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 222.14' @ 12.09 hrs
 Flood Elev= 225.16'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.99' | 12.0" Round Culvert L= 37.1' Ke= 0.500 |

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Inlet / Outlet Invert= 221.99' / 221.51' S= 0.0129 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.10 cfs @ 12.09 hrs HW=222.14' TW=221.57' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.10 cfs @ 1.33 fps)

Summary for Pond CB6: CB#6

Inflow Area = 3,766 sf, 59.48% Impervious, Inflow Depth > 1.82" for 2YR event
Inflow = 0.18 cfs @ 12.09 hrs, Volume= 570 cf
Outflow = 0.18 cfs @ 12.09 hrs, Volume= 570 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.18 cfs @ 12.09 hrs, Volume= 570 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.97' @ 12.09 hrs

Flood Elev= 215.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 212.76' | 12.0" Round Culvert L= 32.2' Ke= 0.500 Inlet / Outlet Invert= 212.76' / 212.27' S= 0.0152 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.18 cfs @ 12.09 hrs HW=212.96' TW=211.92' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.18 cfs @ 1.54 fps)

Summary for Pond CB60: CB #60

Inflow Area = 3,327 sf, 100.00% Impervious, Inflow Depth > 3.04" for 2YR event
Inflow = 0.24 cfs @ 12.09 hrs, Volume= 842 cf
Outflow = 0.24 cfs @ 12.09 hrs, Volume= 842 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.24 cfs @ 12.09 hrs, Volume= 842 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= 205.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.04' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.04' / 201.98' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.23 cfs @ 12.09 hrs HW=202.32' TW=201.42' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.23 cfs @ 1.88 fps)

Summary for Pond CB61: CB #61

Inflow Area = 6,407 sf, 84.94% Impervious, Inflow Depth > 2.71" for 2YR event
Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,448 cf
Outflow = 0.43 cfs @ 12.09 hrs, Volume= 1,448 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.09 hrs, Volume= 1,448 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= 202.38' @ 12.09 hrs

Flood Elev= 204.97'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.05' | 12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 202.05' / 201.68' S= 0.0270 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.42 cfs @ 12.09 hrs HW=202.37' TW=201.42' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.42 cfs @ 1.93 fps)

Summary for Pond CB62: CB#62

Inflow Area = 5,714 sf, 64.82% Impervious, Inflow Depth > 1.82" for 2YR event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 865 cf
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 865 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 865 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.54' @ 12.10 hrs

Flood Elev= 209.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.20' | 12.0" Round Culvert L= 21.0' Ke= 0.500 Inlet / Outlet Invert= 206.20' / 206.09' 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=206.53' TW=206.39' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.27 cfs @ 1.78 fps)

Summary for Pond CB7: CB#7

Inflow Area = 7,403 sf, 94.92% Impervious, Inflow Depth > 2.82" for 2YR event
Inflow = 0.51 cfs @ 12.09 hrs, Volume= 1,737 cf
Outflow = 0.51 cfs @ 12.09 hrs, Volume= 1,737 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.09 hrs, Volume= 1,737 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.68' @ 12.09 hrs

Flood Elev= 217.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.25' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 214.17' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.09 hrs HW=214.67' TW=214.27' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.50 cfs @ 2.31 fps)

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Summary for Pond CB8: CB#8

Inflow Area = 12,849 sf, 70.13% Impervious, Inflow Depth > 1.97" for 2YR event
Inflow = 0.59 cfs @ 12.14 hrs, Volume= 2,113 cf
Outflow = 0.59 cfs @ 12.14 hrs, Volume= 2,113 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.59 cfs @ 12.14 hrs, Volume= 2,113 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 214.92' @ 12.14 hrs
Flood Elev= 217.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.45' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 214.45' / 214.39' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.58 cfs @ 12.14 hrs HW=214.92' TW=214.26' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.58 cfs @ 2.37 fps)

Summary for Pond CB9: CB #9

Inflow Area = 7,062 sf, 54.59% Impervious, Inflow Depth > 1.98" for 2YR event
Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,162 cf
Outflow = 0.37 cfs @ 12.09 hrs, Volume= 1,162 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.37 cfs @ 12.09 hrs, Volume= 1,162 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 210.08' @ 12.09 hrs
Flood Elev= 212.91'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.72' | 12.0" Round Culvert L= 15.8' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.64' S= 0.0051 '/' 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=210.08' TW=209.22' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.36 cfs @ 2.12 fps)

Summary for Pond D1: DMH#1

Inflow Area = 96,220 sf, 64.29% Impervious, Inflow Depth > 1.86" for 2YR event
Inflow = 4.28 cfs @ 12.10 hrs, Volume= 14,953 cf
Outflow = 4.28 cfs @ 12.10 hrs, Volume= 14,953 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.28 cfs @ 12.10 hrs, Volume= 14,953 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.65' @ 12.10 hrs
Flood Elev= 208.64'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.64' | 24.0" Round Culvert L= 86.9' Ke= 0.500 |

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Inlet / Outlet Invert= 202.64' / 202.19' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.25 cfs @ 12.10 hrs HW=203.64' TW=195.63' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 4.25 cfs @ 3.93 fps)

Summary for Pond D10: DMH #10

Inflow Area = 24,201 sf, 62.98% Impervious, Inflow Depth > 2.15" for 2YR event
Inflow = 1.36 cfs @ 12.09 hrs, Volume= 4,329 cf
Outflow = 1.36 cfs @ 12.09 hrs, Volume= 4,329 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.36 cfs @ 12.09 hrs, Volume= 4,329 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.84' @ 12.09 hrs

Flood Elev= 209.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.17' | 15.0" Round Culvert L= 240.0' Ke= 0.500 Inlet / Outlet Invert= 202.17' / 200.97' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.33 cfs @ 12.09 hrs HW=202.83' TW=201.70' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 1.33 cfs @ 2.93 fps)

Summary for Pond D11: DMH #11

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 2.19" for 2YR event
Inflow = 2.23 cfs @ 12.09 hrs, Volume= 7,132 cf
Outflow = 2.23 cfs @ 12.09 hrs, Volume= 7,132 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.23 cfs @ 12.09 hrs, Volume= 7,132 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.71' @ 12.09 hrs

Flood Elev= 206.82'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.87' | 15.0" Round Culvert L= 221.7' Ke= 0.500 Inlet / Outlet Invert= 200.87' / 199.76' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.18 cfs @ 12.09 hrs HW=201.70' TW=200.22' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 2.18 cfs @ 3.56 fps)

Summary for Pond D12: DMH #12

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 2.19" for 2YR event
Inflow = 2.23 cfs @ 12.09 hrs, Volume= 7,132 cf
Outflow = 2.23 cfs @ 12.09 hrs, Volume= 7,132 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.23 cfs @ 12.09 hrs, Volume= 7,132 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= 200.23' @ 12.09 hrs

Flood Elev= 204.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 199.41' | 18.0" Round Culvert L= 30.2' Ke= 0.500 Inlet / Outlet Invert= 199.41' / 199.26' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.18 cfs @ 12.09 hrs HW=200.22' TW=195.77' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.18 cfs @ 3.24 fps)

Summary for Pond D13: DMH #13

Inflow Area = 19,696 sf, 82.00% Impervious, Inflow Depth > 2.14" for 2YR event
Inflow = 1.10 cfs @ 12.09 hrs, Volume= 3,511 cf
Outflow = 1.10 cfs @ 12.09 hrs, Volume= 3,511 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.10 cfs @ 12.09 hrs, Volume= 3,511 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.77' @ 12.09 hrs

Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.17' | 15.0" Round Culvert L= 26.4' Ke= 0.500 Inlet / Outlet Invert= 200.17' / 200.04' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.08 cfs @ 12.09 hrs HW=200.76' TW=195.77' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.08 cfs @ 2.76 fps)

Summary for Pond D14: DMH #14

Inflow Area = 18,453 sf, 86.56% Impervious, Inflow Depth > 2.75" for 2YR event
Inflow = 1.25 cfs @ 12.09 hrs, Volume= 4,222 cf
Outflow = 1.25 cfs @ 12.09 hrs, Volume= 4,222 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.25 cfs @ 12.09 hrs, Volume= 4,222 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.76' @ 12.09 hrs

Flood Elev= 208.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.15' | 15.0" Round Culvert L= 139.7' Ke= 0.500 Inlet / Outlet Invert= 204.15' / 203.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.22 cfs @ 12.09 hrs HW=204.75' TW=203.84' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.22 cfs @ 3.04 fps)

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Summary for Pond D15: DMH #15

Inflow Area = 30,959 sf, 85.35% Impervious, Inflow Depth > 2.74" for 2YR event
Inflow = 2.09 cfs @ 12.09 hrs, Volume= 7,073 cf
Outflow = 2.09 cfs @ 12.09 hrs, Volume= 7,073 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.09 cfs @ 12.09 hrs, Volume= 7,073 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.85' @ 12.09 hrs
Flood Elev= 209.35'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.10' | 18.0" Round Culvert L= 161.8' Ke= 0.500 Inlet / Outlet Invert= 203.10' / 202.29' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.03 cfs @ 12.09 hrs HW=203.84' TW=202.68' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 2.03 cfs @ 3.43 fps)

Summary for Pond D16: DMH #16

Inflow Area = 12,506 sf, 83.55% Impervious, Inflow Depth > 2.73" for 2YR event
Inflow = 0.84 cfs @ 12.09 hrs, Volume= 2,850 cf
Outflow = 0.84 cfs @ 12.09 hrs, Volume= 2,850 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.84 cfs @ 12.09 hrs, Volume= 2,850 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.00' @ 12.09 hrs
Flood Elev= 208.43'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.46' | 12.0" Round Culvert L= 110.6' Ke= 0.500 Inlet / Outlet Invert= 204.46' / 203.90' S= 0.0051 '/ 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=204.99' TW=203.84' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.82 cfs @ 2.78 fps)

Summary for Pond D17: DMH #17

Inflow Area = 41,419 sf, 86.20% Impervious, Inflow Depth > 2.76" for 2YR event
Inflow = 2.81 cfs @ 12.09 hrs, Volume= 9,524 cf
Outflow = 2.81 cfs @ 12.09 hrs, Volume= 9,524 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.81 cfs @ 12.09 hrs, Volume= 9,524 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.69' @ 12.09 hrs
Flood Elev= 206.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.80' | 18.0" Round Culvert L= 129.0' Ke= 0.500 |

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Inlet / Outlet Invert= 201.80' / 201.15' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.73 cfs @ 12.09 hrs HW=202.68' TW=201.42' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.73 cfs @ 3.67 fps)

Summary for Pond D18: DMH #18

Inflow Area = 51,153 sf, 86.94% Impervious, Inflow Depth > 2.77" for 2YR event
Inflow = 3.47 cfs @ 12.09 hrs, Volume= 11,814 cf
Outflow = 3.47 cfs @ 12.09 hrs, Volume= 11,814 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.47 cfs @ 12.09 hrs, Volume= 11,814 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.43' @ 12.09 hrs

Flood Elev= 205.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.55' | 24.0" Round Culvert L= 150.4' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 199.80' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=3.38 cfs @ 12.09 hrs HW=201.42' TW=196.80' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.38 cfs @ 3.79 fps)

Summary for Pond D19: DMH #19

Inflow Area = 152,351 sf, 81.62% Impervious, Inflow Depth > 2.52" for 2YR event
Inflow = 9.63 cfs @ 12.09 hrs, Volume= 31,973 cf
Outflow = 9.63 cfs @ 12.09 hrs, Volume= 31,973 cf, Atten= 0%, Lag= 0.0 min
Primary = 9.63 cfs @ 12.09 hrs, Volume= 31,973 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.83' @ 12.09 hrs

Flood Elev= 205.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 195.10' | 24.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 195.10' / 195.00' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=9.41 cfs @ 12.09 hrs HW=196.80' TW=192.60' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 9.41 cfs @ 4.45 fps)

Summary for Pond D2: DMH#2

Inflow Area = 74,546 sf, 59.71% Impervious, Inflow Depth > 1.73" for 2YR event
Inflow = 3.00 cfs @ 12.11 hrs, Volume= 10,759 cf
Outflow = 3.00 cfs @ 12.11 hrs, Volume= 10,759 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.00 cfs @ 12.11 hrs, Volume= 10,759 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= 206.40' @ 12.11 hrs

Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 205.59' | 18.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 205.59' / 204.46' S= 0.0146 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.94 cfs @ 12.11 hrs HW=206.39' TW=203.63' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.94 cfs @ 3.05 fps)

Summary for Pond D20: DMH #20

Inflow Area = 6,580 sf, 85.38% Impervious, Inflow Depth > 2.77" for 2YR event
Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,518 cf
Outflow = 0.45 cfs @ 12.09 hrs, Volume= 1,518 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.45 cfs @ 12.09 hrs, Volume= 1,518 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.37' @ 12.09 hrs

Flood Elev= 204.77'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.02' | 12.0" Round Culvert L= 131.9' Ke= 0.500 Inlet / Outlet Invert= 197.02' / 195.90' S= 0.0085 '/ 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=197.36' TW=196.28' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.43 cfs @ 2.70 fps)

Summary for Pond D21: DMH #21

Inflow Area = 27,407 sf, 68.98% Impervious, Inflow Depth > 2.43" for 2YR event
Inflow = 1.70 cfs @ 12.09 hrs, Volume= 5,548 cf
Outflow = 1.70 cfs @ 12.09 hrs, Volume= 5,548 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.70 cfs @ 12.09 hrs, Volume= 5,548 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.29' @ 12.09 hrs

Flood Elev= 198.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 195.55' | 15.0" Round Culvert L= 75.6' Ke= 0.500 Inlet / Outlet Invert= 195.55' / 195.17' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.66 cfs @ 12.09 hrs HW=196.28' TW=194.53' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.66 cfs @ 3.22 fps)

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Summary for Pond D22: DMH #22

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 0.63" for 2YR event
 Inflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf
 Outflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.10 cfs @ 12.12 hrs, Volume= 399 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 196.21' @ 12.12 hrs
 Flood Elev= 206.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 196.02' | 12.0" Round Culvert L= 11.1' Ke= 0.500 Inlet / Outlet Invert= 196.02' / 195.96' S= 0.0054 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.10 cfs @ 12.12 hrs HW=196.20' TW=195.52' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.10 cfs @ 1.51 fps)

Summary for Pond D23: DMH #23

Inflow Area = 79,150 sf, 77.06% Impervious, Inflow Depth > 2.39" for 2YR event
 Inflow = 4.81 cfs @ 12.09 hrs, Volume= 15,760 cf
 Outflow = 4.81 cfs @ 12.09 hrs, Volume= 15,760 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.81 cfs @ 12.09 hrs, Volume= 15,760 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 198.54' @ 12.09 hrs
 Flood Elev= 207.57'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.50' | 24.0" Round Culvert L= 231.7' Ke= 0.500 Inlet / Outlet Invert= 197.50' / 196.34' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=4.71 cfs @ 12.09 hrs HW=198.53' TW=196.80' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 4.71 cfs @ 4.20 fps)

Summary for Pond D24: DMH #24

Inflow Area = 73,707 sf, 76.30% Impervious, Inflow Depth > 2.36" for 2YR event
 Inflow = 4.44 cfs @ 12.09 hrs, Volume= 14,497 cf
 Outflow = 4.44 cfs @ 12.09 hrs, Volume= 14,497 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.44 cfs @ 12.09 hrs, Volume= 14,497 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 199.97' @ 12.09 hrs
 Flood Elev= 205.75'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 198.95' | 24.0" Round Culvert L= 261.4' Ke= 0.500 |

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Inlet / Outlet Invert= 198.95' / 197.65' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=4.35 cfs @ 12.09 hrs HW=199.96' TW=198.53' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 4.35 cfs @ 4.00 fps)

Summary for Pond D25: DMH #25

Inflow Area = 41,971 sf, 75.59% Impervious, Inflow Depth > 2.23" for 2YR event
Inflow = 2.40 cfs @ 12.10 hrs, Volume= 7,783 cf
Outflow = 2.40 cfs @ 12.10 hrs, Volume= 7,783 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.40 cfs @ 12.10 hrs, Volume= 7,783 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.06' @ 12.10 hrs

Flood Elev= 205.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.25' | 18.0" Round Culvert L= 139.0' Ke= 0.500 Inlet / Outlet Invert= 200.25' / 199.55' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.37 cfs @ 12.10 hrs HW=201.06' TW=199.96' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.37 cfs @ 3.55 fps)

Summary for Pond D26: DMH #26

Inflow Area = 34,111 sf, 79.72% Impervious, Inflow Depth > 2.26" for 2YR event
Inflow = 1.98 cfs @ 12.10 hrs, Volume= 6,436 cf
Outflow = 1.98 cfs @ 12.10 hrs, Volume= 6,436 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.98 cfs @ 12.10 hrs, Volume= 6,436 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.79' @ 12.10 hrs

Flood Elev= 205.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 201.03' | 18.0" Round Culvert L= 130.0' Ke= 0.500 Inlet / Outlet Invert= 201.03' / 200.35' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.96 cfs @ 12.10 hrs HW=201.79' TW=201.06' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.96 cfs @ 3.20 fps)

Summary for Pond D27: DMH #27

Inflow Area = 32,113 sf, 75.52% Impervious, Inflow Depth > 2.46" for 2YR event
Inflow = 1.99 cfs @ 12.09 hrs, Volume= 6,589 cf
Outflow = 1.99 cfs @ 12.09 hrs, Volume= 6,589 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.99 cfs @ 12.09 hrs, Volume= 6,589 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= 205.02' @ 12.09 hrs

Flood Elev= 208.27'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.24' | 15.0" Round Culvert L= 101.4' Ke= 0.200 Inlet / Outlet Invert= 204.24' / 203.73' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.94 cfs @ 12.09 hrs HW=205.01' TW=200.64' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.94 cfs @ 3.49 fps)**Summary for Pond D28: DMH #28**

Inflow Area = 19,931 sf, 85.33% Impervious, Inflow Depth > 2.68" for 2YR event
 Inflow = 1.32 cfs @ 12.09 hrs, Volume= 4,457 cf
 Outflow = 1.32 cfs @ 12.09 hrs, Volume= 4,457 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.32 cfs @ 12.09 hrs, Volume= 4,457 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.53' @ 12.09 hrs

Flood Elev= 209.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 205.98' | 15.0" Round Culvert L= 134.2' Ke= 0.200 Inlet / Outlet Invert= 205.98' / 204.84' S= 0.0085 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.28 cfs @ 12.09 hrs HW=206.52' TW=205.01' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.28 cfs @ 3.71 fps)**Summary for Pond D29: DMH #29**

Inflow Area = 8,883 sf, 98.45% Impervious, Inflow Depth > 3.00" for 2YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,220 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,220 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 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= 208.26' @ 12.09 hrs

Flood Elev= 211.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 207.89' | 15.0" Round Culvert L= 194.7' Ke= 0.200 Inlet / Outlet Invert= 207.89' / 206.08' S= 0.0093 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=0.61 cfs @ 12.09 hrs HW=208.26' TW=206.52' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.61 cfs @ 3.06 fps)

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Summary for Pond D3: DMH#3

Inflow Area = 58,126 sf, 63.23% Impervious, Inflow Depth > 1.83" for 2YR event
 Inflow = 2.45 cfs @ 12.11 hrs, Volume= 8,877 cf
 Outflow = 2.45 cfs @ 12.11 hrs, Volume= 8,877 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.45 cfs @ 12.11 hrs, Volume= 8,877 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.94' @ 12.11 hrs
 Flood Elev= 212.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.21' | 18.0" Round Culvert L= 162.6' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 205.69' S= 0.0155 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.41 cfs @ 12.11 hrs HW=208.93' TW=206.39' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 2.41 cfs @ 2.88 fps)

Summary for Pond D30: DMH #30

Inflow Area = 2,853 sf, 95.16% Impervious, Inflow Depth > 2.92" for 2YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 695 cf
 Outflow = 0.20 cfs @ 12.09 hrs, Volume= 695 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.20 cfs @ 12.09 hrs, Volume= 695 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.06' @ 12.09 hrs
 Flood Elev= 213.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.82' | 12.0" Round Culvert L= 210.6' Ke= 0.200 Inlet / Outlet Invert= 209.82' / 208.37' S= 0.0069 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=210.05' TW=208.26' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.19 cfs @ 2.11 fps)

Summary for Pond D31: DMH #31

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 2.15" for 2YR event
 Inflow = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf
 Outflow = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.86' @ 12.09 hrs
 Flood Elev= 213.21'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.93' | 24.0" Round Culvert L= 172.9' Ke= 0.500 |

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Inlet / Outlet Invert= 208.93' / 208.07' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf

Primary OutFlow Max=3.57 cfs @ 12.09 hrs HW=209.85' TW=208.87' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.57 cfs @ 3.72 fps)

Summary for Pond D32: DMH #32

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 2.15" for 2YR event
Inflow = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf
Outflow = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.64 cfs @ 12.09 hrs, Volume= 11,946 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.88' @ 12.09 hrs

Flood Elev= 213.72'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.97' | 24.0" Round Culvert L= 145.3' Ke= 0.500 Inlet / Outlet Invert= 207.97' / 207.24' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=3.57 cfs @ 12.09 hrs HW=208.87' TW=204.45' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.57 cfs @ 3.84 fps)

Summary for Pond D33: DMH #33

Inflow Area = 39,630 sf, 67.94% Impervious, Inflow Depth > 1.98" for 2YR event
Inflow = 1.98 cfs @ 12.09 hrs, Volume= 6,542 cf
Outflow = 1.98 cfs @ 12.09 hrs, Volume= 6,542 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.98 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= 213.78' @ 12.09 hrs

Flood Elev= 216.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.14' | 18.0" Round Culvert L= 239.6' Ke= 0.500 Inlet / Outlet Invert= 213.14' / 209.53' S= 0.0151 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.95 cfs @ 12.09 hrs HW=213.78' TW=209.85' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.95 cfs @ 2.72 fps)

Summary for Pond D34: DMH #34

Inflow Area = 29,672 sf, 59.94% Impervious, Inflow Depth > 1.74" for 2YR event
Inflow = 1.31 cfs @ 12.10 hrs, Volume= 4,292 cf
Outflow = 1.31 cfs @ 12.10 hrs, Volume= 4,292 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.10 hrs, Volume= 4,292 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= 217.30' @ 12.10 hrs

Flood Elev= 220.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 216.75' | 15.0" Round Culvert L= 197.2' Ke= 0.500 Inlet / Outlet Invert= 216.75' / 213.49' S= 0.0165 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.31 cfs @ 12.10 hrs HW=217.30' TW=213.78' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.31 cfs @ 2.52 fps)**Summary for Pond D35: DMH #35**

Inflow Area = 10,354 sf, 82.21% Impervious, Inflow Depth > 2.39" for 2YR event
 Inflow = 0.64 cfs @ 12.09 hrs, Volume= 2,058 cf
 Outflow = 0.64 cfs @ 12.09 hrs, Volume= 2,058 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.64 cfs @ 12.09 hrs, Volume= 2,058 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.02' @ 12.09 hrs

Flood Elev= 223.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 219.65' | 15.0" Round Culvert L= 119.8' Ke= 0.500 Inlet / Outlet Invert= 219.65' / 217.45' S= 0.0184 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=0.62 cfs @ 12.09 hrs HW=220.02' TW=217.29' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.62 cfs @ 2.06 fps)**Summary for Pond D36: DMH #36**

Inflow Area = 2,955 sf, 84.50% Impervious, Inflow Depth > 2.47" for 2YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 608 cf
 Outflow = 0.19 cfs @ 12.09 hrs, Volume= 608 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.19 cfs @ 12.09 hrs, Volume= 608 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.58' @ 12.09 hrs

Flood Elev= 224.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.35' | 12.0" Round Culvert L= 183.7' Ke= 0.500 Inlet / Outlet Invert= 221.35' / 220.01' S= 0.0073 '/' 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=221.57' TW=220.02' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.18 cfs @ 2.10 fps)

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Summary for Pond D37: DMH #37

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 0.99" for 2YR event
Inflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf
Outflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 198.69' @ 12.12 hrs
Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 197.93' | 18.0" Round Culvert L= 91.7' Ke= 0.500 Inlet / Outlet Invert= 197.93' / 197.47' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.02 cfs @ 12.12 hrs HW=198.68' TW=197.65' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 2.02 cfs @ 3.35 fps)

Summary for Pond D38: DMH #38

Inflow Area = 105,070 sf, 53.12% Impervious, Inflow Depth > 0.82" for 2YR event
Inflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf
Outflow = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.12 hrs, Volume= 7,210 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.66' @ 12.12 hrs
Flood Elev= 207.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 196.98' | 24.0" Round Culvert L= 96.5' Ke= 0.500 Inlet / Outlet Invert= 196.98' / 196.50' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=2.02 cfs @ 12.12 hrs HW=197.65' TW=0.00' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 2.02 cfs @ 3.26 fps)

Summary for Pond D39: DMH #39

[61] Hint: Exceeded Reach 16R outlet invert by 0.08' @ 12.10 hrs

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 0.63" for 2YR event
Inflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf
Outflow = 0.10 cfs @ 12.12 hrs, Volume= 399 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.10 cfs @ 12.12 hrs, Volume= 399 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 196.77' @ 12.12 hrs
Flood Elev= 201.00'

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| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.59' | 12.0" Round Culvert L= 94.6' Ke= 0.500 Inlet / Outlet Invert= 196.59' / 196.12' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.10 cfs @ 12.12 hrs HW=196.77' TW=196.20' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.10 cfs @ 1.53 fps)**Summary for Pond D4: DMH#4**

Inflow Area = 25,801 sf, 77.75% Impervious, Inflow Depth > 2.27" for 2YR event
 Inflow = 1.37 cfs @ 12.10 hrs, Volume= 4,872 cf
 Outflow = 1.37 cfs @ 12.10 hrs, Volume= 4,872 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.37 cfs @ 12.10 hrs, Volume= 4,872 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.93' @ 12.11 hrs

Flood Elev= 215.44'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.40' | 18.0" Round Culvert L= 207.6' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 208.37' S= 0.0146 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.35 cfs @ 12.10 hrs HW=211.92' TW=208.93' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.35 cfs @ 2.46 fps)**Summary for Pond D5: DMH#5**

Inflow Area = 20,252 sf, 79.19% Impervious, Inflow Depth > 2.28" for 2YR event
 Inflow = 1.07 cfs @ 12.11 hrs, Volume= 3,851 cf
 Outflow = 1.07 cfs @ 12.11 hrs, Volume= 3,851 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.07 cfs @ 12.11 hrs, Volume= 3,851 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.28' @ 12.11 hrs

Flood Elev= 217.56'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.79' | 15.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 213.79' / 212.00' S= 0.0137 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.05 cfs @ 12.11 hrs HW=214.28' TW=211.92' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.05 cfs @ 2.37 fps)

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Summary for Pond D6: DMH #6

Inflow Area = 12,554 sf, 74.45% Impervious, Inflow Depth > 2.44" for 2YR event
 Inflow = 0.76 cfs @ 12.09 hrs, Volume= 2,552 cf
 Outflow = 0.76 cfs @ 12.09 hrs, Volume= 2,552 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.76 cfs @ 12.09 hrs, Volume= 2,552 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.22' @ 12.09 hrs
 Flood Elev= 213.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.77' | 18.0" Round Culvert L= 118.1' Ke= 0.500 Inlet / Outlet Invert= 208.77' / 208.18' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=0.74 cfs @ 12.09 hrs HW=209.22' TW=208.59' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 0.74 cfs @ 2.50 fps)

Summary for Pond D7: DMH #7

Inflow Area = 17,415 sf, 70.17% Impervious, Inflow Depth > 2.33" for 2YR event
 Inflow = 1.02 cfs @ 12.09 hrs, Volume= 3,387 cf
 Outflow = 1.02 cfs @ 12.09 hrs, Volume= 3,387 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.02 cfs @ 12.09 hrs, Volume= 3,387 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.59' @ 12.09 hrs
 Flood Elev= 214.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.08' | 18.0" Round Culvert L= 302.5' Ke= 0.500 Inlet / Outlet Invert= 208.08' / 206.57' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.00 cfs @ 12.09 hrs HW=208.59' TW=207.01' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 1.00 cfs @ 2.84 fps)

Summary for Pond D8: DMH #8

Inflow Area = 31,356 sf, 66.18% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 1.79 cfs @ 12.09 hrs, Volume= 5,831 cf
 Outflow = 1.79 cfs @ 12.09 hrs, Volume= 5,831 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.79 cfs @ 12.09 hrs, Volume= 5,831 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.02' @ 12.09 hrs
 Flood Elev= 213.05'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.33' | 18.0" Round Culvert L= 91.3' Ke= 0.500 |

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Inlet / Outlet Invert= 206.33' / 205.83' S= 0.0055 ' / ' Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.75 cfs @ 12.09 hrs HW=207.01' TW=200.64' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.75 cfs @ 3.31 fps)

Summary for Pond D9: DMH #9

Inflow Area = 5,322 sf, 63.89% Impervious, Inflow Depth > 2.16" for 2YR event
Inflow = 0.30 cfs @ 12.09 hrs, Volume= 959 cf
Outflow = 0.30 cfs @ 12.09 hrs, Volume= 959 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.30 cfs @ 12.09 hrs, Volume= 959 cf

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= 212.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.02' | 12.0" Round Culvert L= 277.2' Ke= 0.500 Inlet / Outlet Invert= 207.02' / 202.80' S= 0.0152 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=207.29' TW=202.83' (Dynamic Tailwater)

↑1=Culvert (Inlet Controls 0.29 cfs @ 1.76 fps)

Summary for Pond DE1: DRIP #1

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event
Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min
Discarded = 0.02 cfs @ 11.70 hrs, Volume= 583 cf
Primary = 0.01 cfs @ 12.59 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 223.58' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 221.99' | 390 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 | 322 | 0.0 | 0 | 0 |
| 222.00 | 322 | 40.0 | 1 | 1 |
| 224.99 | 322 | 40.0 | 385 | 386 |
| 225.00 | 322 | 100.0 | 3 | 390 |

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| 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 @ 12.59 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 @ 0.90 fps)

Summary for Pond DE10: DRIP #10

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.89' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.29 | 290 | 0.0 | 0 | 0 |
| 211.30 | 290 | 40.0 | 1 | 1 |
| 214.29 | 290 | 40.0 | 347 | 348 |
| 214.30 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 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=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=212.89' TW=201.18' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE11: DRIP #11

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 = 0.03 cfs @ 12.54 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 598 cf
 Primary = 0.02 cfs @ 12.54 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.21' @ 12.54 hrs Surf.Area= 322 sf Storage= 208 cf

Plug-Flow detention time= 77.4 min calculated for 618 cf (100% of inflow)

Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.59' | 390 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 | 322 | 0.0 | 0 | 0 |
| 210.60 | 322 | 40.0 | 1 | 1 |
| 213.59 | 322 | 40.0 | 385 | 386 |
| 213.60 | 322 | 100.0 | 3 | 390 |

| 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 @ 11.65 hrs HW=210.62' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.54 hrs HW=212.20' TW=201.17' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.05 fps)

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Summary for Pond DE12: DRIP #12

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 = 0.03 cfs @ 12.54 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.9 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 598 cf
 Primary = 0.02 cfs @ 12.54 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.51' @ 12.54 hrs Surf.Area= 322 sf Storage= 208 cf

Plug-Flow detention time= 77.4 min calculated for 618 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 209.89' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| | | | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.89 | 322 | 0.0 | 0 | 0 |
| 209.90 | 322 | 40.0 | 1 | 1 |
| 212.89 | 322 | 40.0 | 385 | 386 |
| 212.90 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=209.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.54 hrs HW=211.50' TW=201.17' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.05 fps)

Summary for Pond DE13: DRIP #13

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.51 hrs, Volume= 527 cf, Atten= 78%, Lag= 25.3 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 505 cf
 Primary = 0.02 cfs @ 12.51 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.61' @ 12.51 hrs Surf.Area= 270 sf Storage= 175 cf

Plug-Flow detention time= 76.6 min calculated for 527 cf (100% of inflow)

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Center-of-Mass det. time= 76.5 min (856.3 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 209.00 | 270 | 40.0 | 1 | 1 |
| 211.99 | 270 | 40.0 | 323 | 324 |
| 212.00 | 270 | 100.0 | 3 | 327 |

| 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 @ 11.65 hrs HW=209.03' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.51 hrs HW=210.61' TW=201.15' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.08 fps)

Summary for Pond DE14: DRIP #14

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 445 cf
 Outflow = 0.01 cfs @ 11.60 hrs, Volume= 445 cf, Atten= 89%, Lag= 0.0 min
 Discarded = 0.01 cfs @ 11.60 hrs, Volume= 445 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= 209.78' @ 12.76 hrs Surf.Area= 268 sf Storage= 149 cf

Plug-Flow detention time= 68.5 min calculated for 444 cf (100% of inflow)
 Center-of-Mass det. time= 68.2 min (848.1 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.39' | 324 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 | 268 | 0.0 | 0 | 0 |
| 208.40 | 268 | 40.0 | 1 | 1 |
| 211.39 | 268 | 40.0 | 321 | 322 |
| 211.40 | 268 | 100.0 | 3 | 324 |

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| 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=0.01 cfs @ 11.60 hrs HW=208.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=208.39' TW=200.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE15: DRIP #15

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.39' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| 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' |

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Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=207.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=209.39' TW=201.18' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE16: DRIP #16

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= 208.24' @ 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 | 207.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.09 | 290 | 0.0 | 0 | 0 |
| 207.10 | 290 | 40.0 | 1 | 1 |
| 210.09 | 290 | 40.0 | 347 | 348 |
| 210.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.00' | 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 | 208.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.60' / 208.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=207.13' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=207.09' 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 DE17: DRIP #17

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.69' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 290 | 0.0 | 0 | 0 |
| 206.10 | 290 | 40.0 | 1 | 1 |
| 209.09 | 290 | 40.0 | 347 | 348 |
| 209.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=206.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=207.69' TW=201.18' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE18: DRIP #18

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= 206.54' @ 12.66 hrs Surf.Area= 290 sf Storage= 133 cf

Plug-Flow detention time= 54.7 min calculated for 418 cf (100% of inflow)

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Center-of-Mass det. time= 54.6 min (840.5 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 205.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 205.39 | 290 | 0.0 | 0 | 0 |
| 205.40 | 290 | 40.0 | 1 | 1 |
| 208.39 | 290 | 40.0 | 347 | 348 |
| 208.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.30' | 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 | 206.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.90' / 206.85' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 205.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=205.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=205.39' 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 = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.99' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 | 0 |
| 204.40 | 290 | 40.0 | 1 | 1 |
| 207.39 | 290 | 40.0 | 347 | 348 |
| 207.40 | 290 | 100.0 | 3 | 351 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=204.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=205.99' TW=198.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

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 | 223.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.30' / 223.25' 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' |

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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

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.06 cfs @ 11.95 hrs, Volume= 552 cf, Atten= 66%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.95 hrs, Volume= 552 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= 204.37' @ 12.37 hrs Surf.Area= 290 sf Storage= 79 cf

Plug-Flow detention time= 6.2 min calculated for 552 cf (100% of inflow)
 Center-of-Mass det. time= 6.2 min (786.0 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 203.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.95 hrs HW=203.73' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=203.69' TW=198.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE21: DRIP #21

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 = 0.06 cfs @ 12.00 hrs, Volume= 418 cf, Atten= 56%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 12.00 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= 203.34' @ 12.28 hrs Surf.Area= 290 sf Storage= 41 cf

Plug-Flow detention time= 3.0 min calculated for 418 cf (100% of inflow)
 Center-of-Mass det. time= 3.0 min (788.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 202.99' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.99 | 290 | 0.0 | 0 | 0 |
| 203.00 | 290 | 40.0 | 1 | 1 |
| 205.99 | 290 | 40.0 | 347 | 348 |
| 206.00 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 204.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 12.00 hrs HW=203.02' (Free Discharge)

↑ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.99' TW=198.00' (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 = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.14" for 2YR event
 Inflow = 0.11 cfs @ 12.09 hrs, Volume= 343 cf
 Outflow = 0.06 cfs @ 12.05 hrs, Volume= 343 cf, Atten= 48%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 12.05 hrs, Volume= 343 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= 202.82' @ 12.24 hrs Surf.Area= 290 sf Storage= 27 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 2.0 min (811.7 - 809.7)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 202.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---------------------|----------------------|--------------|---------------------------|---------------------------|
| 202.59 | 290 | 0.0 | 0 | 0 |
| 202.60 | 290 | 40.0 | 1 | 1 |
| 205.59 | 290 | 40.0 | 347 | 348 |
| 205.60 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.50' | 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 | 204.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.10' / 204.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.59' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 12.05 hrs HW=202.65' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=202.59' TW=198.00' (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 = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.23" for 2YR event
 Inflow = 0.11 cfs @ 12.09 hrs, Volume= 366 cf
 Outflow = 0.05 cfs @ 12.00 hrs, Volume= 366 cf, Atten= 55%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 12.00 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= 203.23' @ 12.28 hrs Surf.Area= 268 sf Storage= 36 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 3.0 min (808.5 - 805.6)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 202.89' | 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) |
|---------------------|----------------------|--------------|---------------------------|---------------------------|
| 202.89 | 268 | 0.0 | 0 | 0 |
| 202.90 | 268 | 40.0 | 1 | 1 |
| 205.89 | 268 | 40.0 | 321 | 322 |
| 205.90 | 268 | 100.0 | 3 | 324 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.80' | 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 | 204.40' | 4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 204.40' / 204.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.89' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.05 cfs @ 12.00 hrs HW=202.92' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.89' TW=195.50' (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 = | 2,741 sf, 88.25% Impervious, Inflow Depth > 2.32" for 2YR event |
| Inflow = | 0.16 cfs @ 12.09 hrs, Volume= 530 cf |
| Outflow = | 0.06 cfs @ 12.00 hrs, Volume= 530 cf, Atten= 63%, Lag= 0.0 min |
| Discarded = | 0.06 cfs @ 12.00 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= 203.22' @ 12.35 hrs Surf.Area= 322 sf Storage= 69 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 4.9 min (806.0 - 801.2)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 202.69' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---------------------|----------------------|--------------|---------------------------|---------------------------|
| 202.69 | 322 | 0.0 | 0 | 0 |
| 202.70 | 322 | 40.0 | 1 | 1 |
| 205.69 | 322 | 40.0 | 385 | 386 |
| 205.70 | 322 | 100.0 | 3 | 390 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.60' | 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 | 204.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 204.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 12.00 hrs HW=202.74' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.69' TW=198.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE25: DRIP #25

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 473 cf
 Outflow = 0.02 cfs @ 11.75 hrs, Volume= 473 cf, Atten= 89%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.75 hrs, Volume= 473 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= 205.11' @ 12.83 hrs Surf.Area= 290 sf Storage= 165 cf

Plug-Flow detention time= 75.3 min calculated for 473 cf (100% of inflow)
 Center-of-Mass det. time= 75.1 min (876.3 - 801.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 203.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 11.75 hrs HW=203.74' (Free Discharge)

└─3=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=203.69' TW=198.00' (Dynamic Tailwater)

└─1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

└─2=Culvert (Controls 0.00 cfs)

Summary for Pond DE26: DRIP #26

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 372 cf
 Outflow = 0.02 cfs @ 11.70 hrs, Volume= 372 cf, Atten= 86%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 372 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= 205.39' @ 12.62 hrs Surf.Area= 290 sf Storage= 116 cf

Plug-Flow detention time= 48.0 min calculated for 371 cf (100% of inflow)

Center-of-Mass det. time= 47.8 min (848.9 - 801.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 | 0 |
| 204.40 | 290 | 40.0 | 1 | 1 |
| 207.39 | 290 | 40.0 | 347 | 348 |
| 207.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=204.41' (Free Discharge)

└─3=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=204.39' TW=198.00' (Dynamic Tailwater)

└─1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

└─2=Culvert (Controls 0.00 cfs)

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Summary for Pond DE27: DRIP #27

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.32" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 381 cf
 Outflow = 0.07 cfs @ 12.21 hrs, Volume= 381 cf, Atten= 39%, Lag= 7.4 min
 Discarded = 0.01 cfs @ 11.70 hrs, Volume= 315 cf
 Primary = 0.06 cfs @ 12.21 hrs, Volume= 66 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.80' @ 12.21 hrs Surf.Area= 268 sf Storage= 76 cf

Plug-Flow detention time= 21.2 min calculated for 381 cf (100% of inflow)
 Center-of-Mass det. time= 21.0 min (822.2 - 801.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.09' | 217 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 268 | 0.0 | 0 | 0 |
| 206.10 | 268 | 40.0 | 1 | 1 |
| 208.09 | 268 | 40.0 | 213 | 214 |
| 208.10 | 268 | 100.0 | 3 | 217 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.00' | 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 | 206.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.70 hrs HW=206.11' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.06 cfs @ 12.21 hrs HW=206.80' TW=198.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.46 fps)

Summary for Pond DE28: DRIP #28

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 643 cf
 Outflow = 0.04 cfs @ 12.50 hrs, Volume= 643 cf, Atten= 78%, Lag= 24.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 614 cf
 Primary = 0.02 cfs @ 12.50 hrs, Volume= 29 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.73' @ 12.50 hrs Surf.Area= 322 sf Storage= 211 cf

Plug-Flow detention time= 75.2 min calculated for 643 cf (100% of inflow)

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Center-of-Mass det. time= 75.1 min (848.1 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 322 | 0.0 | 0 | 0 |
| 206.10 | 322 | 40.0 | 1 | 1 |
| 209.09 | 322 | 40.0 | 385 | 386 |
| 209.10 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=206.13' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.50 hrs HW=207.72' TW=198.02' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.16 fps)

Summary for Pond DE29: DRIP #29

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 548 cf
 Outflow = 0.09 cfs @ 12.22 hrs, Volume= 547 cf, Atten= 42%, Lag= 7.8 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 454 cf
 Primary = 0.08 cfs @ 12.22 hrs, Volume= 94 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.74' @ 12.22 hrs Surf.Area= 270 sf Storage= 125 cf

Plug-Flow detention time= 37.8 min calculated for 546 cf (100% of inflow)
 Center-of-Mass det. time= 37.6 min (810.6 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.59' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.59 | 270 | 0.0 | 0 | 0 |
| 206.60 | 270 | 40.0 | 1 | 1 |
| 209.59 | 270 | 40.0 | 323 | 324 |
| 209.60 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.50' | 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 | 207.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=206.64' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.07 cfs @ 12.22 hrs HW=207.74' TW=198.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.07 cfs @ 1.59 fps)

Summary for Pond DE3: DRIP #3

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.59' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)
 Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 219.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 219.99 | 270 | 0.0 | 0 | 0 |
| 220.00 | 270 | 40.0 | 1 | 1 |
| 222.99 | 270 | 40.0 | 323 | 324 |
| 223.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 222.90' | 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 | 221.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 221.50' / 221.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 219.99' | 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=220.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=221.59' TW=218.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE30: DRIP #30

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 643 cf
 Outflow = 0.08 cfs @ 12.28 hrs, Volume= 643 cf, Atten= 56%, Lag= 11.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 556 cf
 Primary = 0.06 cfs @ 12.28 hrs, Volume= 87 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.47' @ 12.28 hrs Surf.Area= 322 sf Storage= 164 cf

Plug-Flow detention time= 46.6 min calculated for 643 cf (100% of inflow)
 Center-of-Mass det. time= 46.4 min (819.4 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.19 | 322 | 0.0 | 0 | 0 |
| 207.20 | 322 | 40.0 | 1 | 1 |
| 210.19 | 322 | 40.0 | 385 | 386 |
| 210.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.10' | 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 | 208.25' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.25' / 208.20' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=207.23' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.06 cfs @ 12.28 hrs HW=208.47' TW=198.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.52 fps)

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Summary for Pond DE31: DRIP #31

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 = 0.03 cfs @ 12.54 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 598 cf
 Primary = 0.02 cfs @ 12.54 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.11' @ 12.54 hrs Surf.Area= 322 sf Storage= 208 cf

Plug-Flow detention time= 77.4 min calculated for 618 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.54 hrs HW=209.10' TW=202.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.05 fps)

Summary for Pond DE32: DRIP #32

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.51 hrs, Volume= 527 cf, Atten= 78%, Lag= 25.3 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 505 cf
 Primary = 0.02 cfs @ 12.51 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.11' @ 12.51 hrs Surf.Area= 270 sf Storage= 175 cf

Plug-Flow detention time= 76.6 min calculated for 527 cf (100% of inflow)

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Center-of-Mass det. time= 76.5 min (856.3 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.49' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.49 | 270 | 0.0 | 0 | 0 |
| 208.50 | 270 | 40.0 | 1 | 1 |
| 211.49 | 270 | 40.0 | 323 | 324 |
| 211.50 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 211.40' | 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 | 210.00' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.00' / 209.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=208.53' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.51 hrs HW=210.11' TW=202.00' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.08 fps)

Summary for Pond DE33: DRIP #33

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.89' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.29 | 290 | 0.0 | 0 | 0 |
| 209.30 | 290 | 40.0 | 1 | 1 |
| 212.29 | 290 | 40.0 | 347 | 348 |
| 212.30 | 290 | 100.0 | 3 | 351 |

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| 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 @ 11.45 hrs HW=209.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=210.89' TW=204.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE34: DRIP #34

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.89' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 210.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 210.29 | 290 | 0.0 | 0 0 |
| 210.30 | 290 | 40.0 | 1 1 |
| 213.29 | 290 | 40.0 | 347 348 |
| 213.30 | 290 | 100.0 | 3 351 |

| 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' |

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Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=210.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=211.89' TW=204.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.51 hrs, Volume= 527 cf, Atten= 78%, Lag= 25.3 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 505 cf
 Primary = 0.02 cfs @ 12.51 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 212.51' @ 12.51 hrs Surf.Area= 270 sf Storage= 175 cf

Plug-Flow detention time= 76.6 min calculated for 527 cf (100% of inflow)
Center-of-Mass det. time= 76.5 min (856.3 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.45 hrs HW=210.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.51 hrs HW=212.51' TW=204.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.08 fps)

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Summary for Pond DE36: DRIP #36

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 = 0.03 cfs @ 12.54 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.9 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 598 cf
 Primary = 0.02 cfs @ 12.54 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.31' @ 12.54 hrs Surf.Area= 322 sf Storage= 208 cf

Plug-Flow detention time= 77.4 min calculated for 618 cf (100% of inflow)
 Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 211.69' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.69 | 322 | 0.0 | 0 | 0 |
| 211.70 | 322 | 40.0 | 1 | 1 |
| 214.69 | 322 | 40.0 | 385 | 386 |
| 214.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.60' | 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 | 213.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.20' / 213.15' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.72' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.54 hrs HW=213.30' TW=207.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.05 fps)

Summary for Pond DE37: DRIP #37

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 = 0.03 cfs @ 12.54 hrs, Volume= 619 cf, Atten= 81%, Lag= 26.9 min
 Discarded = 0.02 cfs @ 11.45 hrs, Volume= 598 cf
 Primary = 0.02 cfs @ 12.54 hrs, Volume= 21 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.51' @ 12.54 hrs Surf.Area= 322 sf Storage= 208 cf

Plug-Flow detention time= 77.4 min calculated for 618 cf (100% of inflow)

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Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.89' | 390 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 | 322 | 0.0 | 0 | 0 |
| 211.90 | 322 | 40.0 | 1 | 1 |
| 214.89 | 322 | 40.0 | 385 | 386 |
| 214.90 | 322 | 100.0 | 3 | 390 |

| 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 @ 12.54 hrs HW=213.50' TW=207.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.05 fps)

Summary for Pond DE38: DRIP #39

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.51 hrs, Volume= 527 cf, Atten= 78%, Lag= 25.3 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 505 cf
 Primary = 0.02 cfs @ 12.51 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.11' @ 12.51 hrs Surf.Area= 270 sf Storage= 175 cf

Plug-Flow detention time= 76.6 min calculated for 527 cf (100% of inflow)

Center-of-Mass det. time= 76.5 min (856.3 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.50 | 270 | 40.0 | 1 | 1 |
| 214.49 | 270 | 40.0 | 323 | 324 |
| 214.50 | 270 | 100.0 | 3 | 327 |

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| 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' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=211.53' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.02 cfs @ 12.51 hrs HW=213.11' TW=208.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.08 fps)

Summary for Pond DE39: DRIP #39

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' |

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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=208.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,741 sf, 88.22% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 30.4 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 584 cf
 Primary = 0.01 cfs @ 12.59 hrs, Volume= 12 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 219.58' @ 12.59 hrs Surf.Area= 323 sf Storage= 205 cf

Plug-Flow detention time= 79.3 min calculated for 595 cf (100% of inflow)
 Center-of-Mass det. time= 79.0 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 217.99' | 391 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 323 | 0.0 | 0 | 0 |
| 218.00 | 323 | 40.0 | 1 | 1 |
| 220.99 | 323 | 40.0 | 386 | 388 |
| 221.00 | 323 | 100.0 | 3 | 391 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=218.04' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.59 hrs HW=219.58' TW=218.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.88 fps)

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Summary for Pond DE40: DRIP #40

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 412 cf
 Outflow = 0.01 cfs @ 11.75 hrs, Volume= 412 cf, Atten= 88%, Lag= 0.0 min
 Discarded = 0.01 cfs @ 11.75 hrs, Volume= 412 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= 213.47' @ 12.73 hrs Surf.Area= 268 sf Storage= 137 cf

Plug-Flow detention time= 63.9 min calculated for 412 cf (100% of inflow)
 Center-of-Mass det. time= 63.8 min (855.3 - 791.4)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 212.19' | 324 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 | 268 | 0.0 | 0 | 0 |
| 212.20 | 268 | 40.0 | 1 | 1 |
| 215.19 | 268 | 40.0 | 321 | 322 |
| 215.20 | 268 | 100.0 | 3 | 324 |

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' S= 0.0050 ' 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=0.01 cfs @ 11.75 hrs HW=212.24' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=212.19' TW=207.00' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE41: DRIP #41

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.49' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)

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Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=210.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=212.49' TW=207.00' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE42: DRIP #42

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.49' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)
 Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.89 | 270 | 0.0 | 0 | 0 |
| 209.90 | 270 | 40.0 | 1 | 1 |
| 212.89 | 270 | 40.0 | 323 | 324 |
| 212.90 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=209.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=211.49' TW=207.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE43: DRIP #43

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= 208.44' @ 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 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 |
| 207.40 | 290 | 40.0 | 1 |
| 210.39 | 290 | 40.0 | 347 |
| 210.40 | 290 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 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=207.40' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=207.39' TW=204.00' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳**2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE44: DRIP #44

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 412 cf
 Outflow = 0.01 cfs @ 11.75 hrs, Volume= 412 cf, Atten= 88%, Lag= 0.0 min
 Discarded = 0.01 cfs @ 11.75 hrs, Volume= 412 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= 208.27' @ 12.73 hrs Surf.Area= 268 sf Storage= 137 cf

Plug-Flow detention time= 63.9 min calculated for 412 cf (100% of inflow)
 Center-of-Mass det. time= 63.8 min (855.3 - 791.4)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 207.00 | 268 | 40.0 | 1 | 1 |
| 209.99 | 268 | 40.0 | 321 | 322 |
| 210.00 | 268 | 100.0 | 3 | 324 |

| 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 | 208.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.75 hrs HW=207.04' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=206.99' TW=195.00' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳**2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE45: DRIP #45

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 531 cf
 Outflow = 0.02 cfs @ 12.61 hrs, Volume= 531 cf, Atten= 86%, Lag= 31.1 min
 Discarded = 0.02 cfs @ 11.55 hrs, Volume= 522 cf
 Primary = 0.01 cfs @ 12.61 hrs, Volume= 9 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.97' @ 12.61 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.2 min calculated for 530 cf (100% of inflow)
 Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.55 hrs HW=207.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.61 hrs HW=208.97' TW=196.42' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.82 fps)

Summary for Pond DE46: DRIP #46

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 583 cf
 Primary = 0.01 cfs @ 12.59 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.08' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 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 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=207.54' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.59 hrs HW=209.08' TW=196.41' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.90 fps)

Summary for Pond DE47: DRIP #47

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.09' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)
 Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 207.50 | 270 | 40.0 | 1 | 1 |
| 210.49 | 270 | 40.0 | 323 | 324 |
| 210.50 | 270 | 100.0 | 3 | 327 |

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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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=209.09' TW=196.38' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE48: DRIP #48

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 531 cf
 Outflow = 0.02 cfs @ 12.61 hrs, Volume= 531 cf, Atten= 86%, Lag= 31.1 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 522 cf
 Primary = 0.01 cfs @ 12.61 hrs, Volume= 9 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.17' @ 12.61 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.2 min calculated for 530 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.59 | 290 | 0.0 | 0 | 0 |
| 208.60 | 290 | 40.0 | 1 | 1 |
| 211.59 | 290 | 40.0 | 347 | 348 |
| 211.60 | 290 | 100.0 | 3 | 351 |

| 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 | 210.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 210.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.59' | 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=208.64' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.61 hrs HW=210.17' TW=196.42' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.01 cfs @ 0.82 fps)

Summary for Pond DE49: DRIP #49

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 583 cf
 Primary = 0.01 cfs @ 12.59 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.78' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 cf (100% of inflow)
 Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.19 | 322 | 0.0 | 0 | 0 |
| 209.20 | 322 | 40.0 | 1 | 1 |
| 212.19 | 322 | 40.0 | 385 | 386 |
| 212.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.10' | 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 | 210.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.70' / 210.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=209.24' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.59 hrs HW=210.78' TW=196.41' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.01 cfs @ 0.90 fps)

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Summary for Pond DE5: DRIP #5

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 219.59' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)
 Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 217.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 270 | 0.0 | 0 | 0 |
| 218.00 | 270 | 40.0 | 1 | 1 |
| 220.99 | 270 | 40.0 | 323 | 324 |
| 221.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=219.59' TW=218.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE50: DRIP #50

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.09' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)

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Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 210.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 210.50 | 270 | 40.0 | 1 | 1 |
| 213.49 | 270 | 40.0 | 323 | 324 |
| 213.50 | 270 | 100.0 | 3 | 327 |

| 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 @ 11.65 hrs HW=210.52' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.55 hrs HW=212.09' TW=196.38' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)**Summary for Pond DE51: DRIP #51**

| | |
|---------------|---|
| Inflow Area = | 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event |
| Inflow = | 0.18 cfs @ 12.09 hrs, Volume= 596 cf |
| Outflow = | 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min |
| Discarded = | 0.02 cfs @ 11.50 hrs, Volume= 583 cf |
| Primary = | 0.01 cfs @ 12.59 hrs, Volume= 13 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.88' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 cf (100% of inflow)

Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 211.29' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.29 | 322 | 0.0 | 0 | 0 |
| 211.30 | 322 | 40.0 | 1 | 1 |
| 214.29 | 322 | 40.0 | 385 | 386 |
| 214.30 | 322 | 100.0 | 3 | 390 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.59 hrs HW=212.88' TW=209.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.90 fps)

Summary for Pond DE52: DRIP #52

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 583 cf
 Primary = 0.01 cfs @ 12.59 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.78' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 cf (100% of inflow)
 Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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' |

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Discarded OutFlow Max=0.02 cfs @ 11.70 hrs HW=212.24' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.59 hrs HW=213.78' TW=209.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.90 fps)

Summary for Pond DE53: DRIP #53

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 531 cf
 Outflow = 0.02 cfs @ 12.61 hrs, Volume= 531 cf, Atten= 86%, Lag= 31.1 min
 Discarded = 0.02 cfs @ 11.70 hrs, Volume= 522 cf
 Primary = 0.01 cfs @ 12.61 hrs, Volume= 9 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.57' @ 12.61 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.2 min calculated for 530 cf (100% of inflow)
 Center-of-Mass det. time= 78.9 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 @ 12.61 hrs HW=214.57' TW=209.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.82 fps)

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Summary for Pond DE54: DRIP #54

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.15 cfs @ 12.09 hrs, Volume= 507 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 492 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 15 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.49' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)
 Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 213.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 213.89 | 270 | 0.0 | 0 | 0 |
| 213.90 | 270 | 40.0 | 1 | 1 |
| 216.89 | 270 | 40.0 | 323 | 324 |
| 216.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 216.80' | 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 | 215.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.40' / 215.35' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 213.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=213.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=215.49' TW=209.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE55: DRIP #55

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 596 cf
 Outflow = 0.03 cfs @ 12.59 hrs, Volume= 596 cf, Atten= 85%, Lag= 29.9 min
 Discarded = 0.02 cfs @ 11.50 hrs, Volume= 583 cf
 Primary = 0.01 cfs @ 12.59 hrs, Volume= 13 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.38' @ 12.59 hrs Surf.Area= 322 sf Storage= 205 cf

Plug-Flow detention time= 79.2 min calculated for 595 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 | 214.79' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.79 | 322 | 0.0 | 0 | 0 |
| 214.80 | 322 | 40.0 | 1 | 1 |
| 217.79 | 322 | 40.0 | 385 | 386 |
| 217.80 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 217.70' | 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 | 216.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.25' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=214.80' (Free Discharge)↳**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.01 cfs @ 12.59 hrs HW=216.38' TW=209.01' (Dynamic Tailwater)↳**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳**2=Culvert** (Barrel Controls 0.01 cfs @ 0.90 fps)**Summary for Pond DE56: DRIP #56**

| | |
|---------------|---|
| Inflow Area = | 2,333 sf, 88.43% Impervious, Inflow Depth > 2.61" for 2YR event |
| Inflow = | 0.15 cfs @ 12.09 hrs, Volume= 507 cf |
| Outflow = | 0.03 cfs @ 12.55 hrs, Volume= 507 cf, Atten= 82%, Lag= 27.8 min |
| Discarded = | 0.02 cfs @ 11.65 hrs, Volume= 492 cf |
| Primary = | 0.01 cfs @ 12.55 hrs, Volume= 15 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 217.59' @ 12.55 hrs Surf.Area= 270 sf Storage= 173 cf

Plug-Flow detention time= 78.7 min calculated for 506 cf (100% of inflow)

Center-of-Mass det. time= 78.4 min (864.4 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 215.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 216.00 | 270 | 40.0 | 1 | 1 |
| 218.99 | 270 | 40.0 | 323 | 324 |
| 219.00 | 270 | 100.0 | 3 | 327 |

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| 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 @ 11.65 hrs HW=216.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=217.59' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.97 fps)

Summary for Pond DE57: DRIP #57

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.13 cfs @ 12.09 hrs, Volume= 412 cf
 Outflow = 0.01 cfs @ 11.75 hrs, Volume= 412 cf, Atten= 88%, Lag= 0.0 min
 Discarded = 0.01 cfs @ 11.75 hrs, Volume= 412 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= 218.27' @ 12.73 hrs Surf.Area= 268 sf Storage= 137 cf

Plug-Flow detention time= 63.9 min calculated for 412 cf (100% of inflow)

Center-of-Mass det. time= 63.8 min (855.3 - 791.4)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 216.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 217.00 | 268 | 40.0 | 1 | 1 |
| 219.99 | 268 | 40.0 | 321 | 322 |
| 220.00 | 268 | 100.0 | 3 | 324 |

| 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' |

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Discarded OutFlow Max=0.01 cfs @ 11.75 hrs HW=217.04' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=216.99' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE58: DRIP #58

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= 218.04' @ 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 | 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 | 218.50' | 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 @ 11.75 hrs HW=217.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=216.99' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE59: DRIP #59

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 2.51" for 2YR event
 Inflow = 0.12 cfs @ 12.09 hrs, Volume= 402 cf
 Outflow = 0.02 cfs @ 11.65 hrs, Volume= 402 cf, Atten= 87%, Lag= 0.0 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 402 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= 216.89' @ 12.65 hrs Surf.Area= 290 sf Storage= 128 cf

Plug-Flow detention time= 52.8 min calculated for 401 cf (100% of inflow)
 Center-of-Mass det. time= 52.5 min (844.0 - 791.4)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 215.79' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 215.79 | 290 | 0.0 | 0 | 0 |
| 215.80 | 290 | 40.0 | 1 | 1 |
| 218.79 | 290 | 40.0 | 347 | 348 |
| 218.80 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 218.70' | 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 | 217.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.30' / 217.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 215.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.65 hrs HW=215.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=215.79' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE6: DRIP #6

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 552 cf
 Outflow = 0.03 cfs @ 12.55 hrs, Volume= 552 cf, Atten= 82%, Lag= 27.7 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 535 cf
 Primary = 0.01 cfs @ 12.55 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.09' @ 12.55 hrs Surf.Area= 290 sf Storage= 186 cf

Plug-Flow detention time= 77.4 min calculated for 551 cf (100% of inflow)

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Center-of-Mass det. time= 77.1 min (856.9 - 779.9)

| 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 |

| 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 @ 11.65 hrs HW=210.52' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.55 hrs HW=212.09' TW=211.50' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.99 fps)

Summary for Pond DE60: DRIP #60

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 531 cf
 Outflow = 0.02 cfs @ 12.61 hrs, Volume= 531 cf, Atten= 86%, Lag= 31.1 min
 Discarded = 0.02 cfs @ 11.55 hrs, Volume= 522 cf
 Primary = 0.01 cfs @ 12.61 hrs, Volume= 9 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.87' @ 12.61 hrs Surf.Area= 290 sf Storage= 183 cf

Plug-Flow detention time= 79.2 min calculated for 530 cf (100% of inflow)
 Center-of-Mass det. time= 78.9 min (864.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 214.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.29 | 290 | 0.0 | 0 | 0 |
| 214.30 | 290 | 40.0 | 1 | 1 |
| 217.29 | 290 | 40.0 | 347 | 348 |
| 217.30 | 290 | 100.0 | 3 | 351 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 217.20' | 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 | 215.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.80' / 215.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.55 hrs HW=214.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.01 cfs @ 12.61 hrs HW=215.87' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.01 cfs @ 0.82 fps)

Summary for Pond DE61: DRIP #61

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 946 cf
 Outflow = 0.23 cfs @ 12.16 hrs, Volume= 946 cf, Atten= 20%, Lag= 4.3 min
 Discarded = 0.03 cfs @ 11.45 hrs, Volume= 701 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 245 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.15' @ 12.16 hrs Surf.Area= 471 sf Storage= 161 cf

Plug-Flow detention time= 20.1 min calculated for 944 cf (100% of inflow)
 Center-of-Mass det. time= 19.9 min (805.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.03 cfs @ 11.45 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.20 cfs @ 12.16 hrs HW=213.14' TW=204.60' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 1.95 fps)

Summary for Pond DE62: DRIP #62

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 946 cf
 Outflow = 0.23 cfs @ 12.16 hrs, Volume= 946 cf, Atten= 20%, Lag= 4.3 min
 Discarded = 0.03 cfs @ 11.60 hrs, Volume= 701 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 245 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.45' @ 12.16 hrs Surf.Area= 471 sf Storage= 161 cf

Plug-Flow detention time= 20.1 min calculated for 946 cf (100% of inflow)

Center-of-Mass det. time= 19.9 min (805.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.59' | 382 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 | 471 | 0.0 | 0 | 0 |
| 210.60 | 471 | 40.0 | 2 | 2 |
| 212.59 | 471 | 40.0 | 375 | 377 |
| 212.60 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.50' | 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 | 211.10' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.10' / 211.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 210.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.60 hrs HW=210.61' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.20 cfs @ 12.16 hrs HW=211.44' TW=206.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 1.95 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.61" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 946 cf
 Outflow = 0.23 cfs @ 12.16 hrs, Volume= 946 cf, Atten= 20%, Lag= 4.3 min
 Discarded = 0.03 cfs @ 11.45 hrs, Volume= 701 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 245 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.15' @ 12.16 hrs Surf.Area= 471 sf Storage= 161 cf

Plug-Flow detention time= 20.1 min calculated for 944 cf (100% of inflow)
 Center-of-Mass det. time= 19.9 min (805.9 - 785.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.45 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.20 cfs @ 12.16 hrs HW=213.14' TW=206.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 1.95 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,377 cf
 Outflow = 0.27 cfs @ 12.19 hrs, Volume= 1,377 cf, Atten= 34%, Lag= 6.2 min
 Discarded = 0.03 cfs @ 11.55 hrs, Volume= 1,067 cf
 Primary = 0.23 cfs @ 12.19 hrs, Volume= 310 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.87' @ 12.19 hrs Surf.Area= 605 sf Storage= 287 cf

Plug-Flow detention time= 33.1 min calculated for 1,374 cf (100% of inflow)

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Center-of-Mass det. time= 32.9 min (805.9 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.69' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.69 | 605 | 0.0 | 0 | 0 |
| 207.70 | 605 | 40.0 | 2 | 2 |
| 210.69 | 605 | 40.0 | 724 | 726 |
| 210.70 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.60' | 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 | 207.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.55 hrs HW=207.73' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.19 hrs HW=208.87' TW=202.02' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.03 fps)**Summary for Pond DE65: DRIP #65**

| | |
|---------------|---|
| Inflow Area = | 3,434 sf, 88.24% Impervious, Inflow Depth > 2.71" for 2YR event |
| Inflow = | 0.23 cfs @ 12.09 hrs, Volume= 776 cf |
| Outflow = | 0.19 cfs @ 12.16 hrs, Volume= 776 cf, Atten= 20%, Lag= 4.3 min |
| Discarded = | 0.02 cfs @ 11.60 hrs, Volume= 588 cf |
| Primary = | 0.16 cfs @ 12.16 hrs, Volume= 188 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.31' @ 12.16 hrs Surf.Area= 404 sf Storage= 132 cf

Plug-Flow detention time= 19.5 min calculated for 774 cf (100% of inflow)

Center-of-Mass det. time= 19.4 min (799.2 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.49' | 327 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 | 404 | 0.0 | 0 | 0 |
| 207.50 | 404 | 40.0 | 2 | 2 |
| 209.49 | 404 | 40.0 | 322 | 323 |
| 209.50 | 404 | 100.0 | 4 | 327 |

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| 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 | 208.00' | 6.0" 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= 0.20 sf |
| #3 | Discarded | 207.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.60 hrs HW=207.51' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.16 hrs HW=208.30' TW=202.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.85 fps)

Summary for Pond DE66: DRIP #66

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 983 cf
 Outflow = 0.24 cfs @ 12.16 hrs, Volume= 983 cf, Atten= 19%, Lag= 4.1 min
 Discarded = 0.03 cfs @ 11.40 hrs, Volume= 724 cf
 Primary = 0.21 cfs @ 12.16 hrs, Volume= 259 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.76' @ 12.16 hrs Surf.Area= 471 sf Storage= 163 cf

Plug-Flow detention time= 19.7 min calculated for 983 cf (100% of inflow)
 Center-of-Mass det. time= 19.5 min (799.4 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 205.89' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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=0.21 cfs @ 12.16 hrs HW=206.75' TW=202.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.99 fps)

Summary for Pond DE67: DRIP #67

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 983 cf
 Outflow = 0.24 cfs @ 12.16 hrs, Volume= 983 cf, Atten= 19%, Lag= 4.1 min
 Discarded = 0.03 cfs @ 11.55 hrs, Volume= 724 cf
 Primary = 0.21 cfs @ 12.16 hrs, Volume= 259 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.86' @ 12.16 hrs Surf.Area= 471 sf Storage= 163 cf

Plug-Flow detention time= 19.7 min calculated for 983 cf (100% of inflow)
 Center-of-Mass det. time= 19.5 min (799.4 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.99' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.99 | 471 | 0.0 | 0 | 0 |
| 204.00 | 471 | 40.0 | 2 | 2 |
| 205.99 | 471 | 40.0 | 375 | 377 |
| 206.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 204.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 203.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.55 hrs HW=204.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.21 cfs @ 12.16 hrs HW=204.85' TW=202.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.99 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 3.04" for 2YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,100 cf
 Outflow = 0.26 cfs @ 12.15 hrs, Volume= 1,100 cf, Atten= 16%, Lag= 3.6 min
 Discarded = 0.03 cfs @ 11.40 hrs, Volume= 807 cf
 Primary = 0.24 cfs @ 12.15 hrs, Volume= 293 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.88' @ 12.15 hrs Surf.Area= 471 sf Storage= 167 cf

Plug-Flow detention time= 18.4 min calculated for 1,100 cf (100% of inflow)
 Center-of-Mass det. time= 18.3 min (773.8 - 755.5)

| Volume | Invert | Avail.Storage | Storage Description | | |
|------------------|-------------------|---------------|--|------------------------|--|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 | |
| 205.00 | 471 | 40.0 | 2 | 2 | |
| 206.99 | 471 | 40.0 | 375 | 377 | |
| 207.00 | 471 | 100.0 | 5 | 382 | |

| Device | Routing | Invert | Outlet Devices | | | | | | |
|--------|-----------|---------|---|------|------|------|------|------|--|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 | | | | | | |
| | | | Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 11.40 hrs HW=205.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.23 cfs @ 12.15 hrs HW=205.88' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.04 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 983 cf
 Outflow = 0.24 cfs @ 12.16 hrs, Volume= 983 cf, Atten= 19%, Lag= 4.1 min
 Discarded = 0.03 cfs @ 11.55 hrs, Volume= 724 cf
 Primary = 0.21 cfs @ 12.16 hrs, Volume= 259 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.86' @ 12.16 hrs Surf.Area= 471 sf Storage= 163 cf

Plug-Flow detention time= 19.7 min calculated for 983 cf (100% of inflow)

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Center-of-Mass det. time= 19.5 min (799.4 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 11.55 hrs HW=205.01' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.21 cfs @ 12.16 hrs HW=205.85' TW=0.00' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.99 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 = 4,349 sf, 89.17% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 983 cf
 Outflow = 0.24 cfs @ 12.16 hrs, Volume= 983 cf, Atten= 19%, Lag= 4.1 min
 Discarded = 0.03 cfs @ 11.40 hrs, Volume= 724 cf
 Primary = 0.21 cfs @ 12.16 hrs, Volume= 259 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.76' @ 12.16 hrs Surf.Area= 471 sf Storage= 163 cf

Plug-Flow detention time= 19.7 min calculated for 983 cf (100% of inflow)
 Center-of-Mass det. time= 19.5 min (799.4 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------------|-------------------|---------------|--|
| #1 | 205.89' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 205.89 | 471 | 0.0 | 0 |
| 205.90 | 471 | 40.0 | 2 |
| 207.89 | 471 | 40.0 | 375 |
| 207.90 | 471 | 100.0 | 5 |
| Cum.Store (cubic-feet) | | | |
| | | | 0 |
| | | | 2 |
| | | | 377 |
| | | | 382 |

| 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=0.21 cfs @ 12.16 hrs HW=206.75' TW=200.78' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.21 cfs @ 1.99 fps)

Summary for Pond DE71: DRIP #71

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,377 cf
 Outflow = 0.32 cfs @ 12.16 hrs, Volume= 1,377 cf, Atten= 20%, Lag= 4.2 min
 Discarded = 0.03 cfs @ 11.55 hrs, Volume= 994 cf
 Primary = 0.29 cfs @ 12.16 hrs, Volume= 383 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.03' @ 12.16 hrs Surf.Area= 605 sf Storage= 227 cf

Plug-Flow detention time= 19.8 min calculated for 1,377 cf (100% of inflow)
 Center-of-Mass det. time= 19.6 min (792.6 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 605 | 0.0 | 0 | 0 |
| 206.10 | 605 | 40.0 | 2 | 2 |
| 209.09 | 605 | 40.0 | 724 | 726 |
| 209.10 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 206.60' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.55 hrs HW=206.13' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.29 cfs @ 12.16 hrs HW=207.03' TW=200.78' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.29 cfs @ 2.16 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 0.16 cfs @ 12.09 hrs, Volume= 527 cf
 Outflow = 0.03 cfs @ 12.51 hrs, Volume= 527 cf, Atten= 78%, Lag= 25.3 min
 Discarded = 0.02 cfs @ 11.65 hrs, Volume= 505 cf
 Primary = 0.02 cfs @ 12.51 hrs, Volume= 22 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.21' @ 12.51 hrs Surf.Area= 270 sf Storage= 175 cf

Plug-Flow detention time= 76.6 min calculated for 527 cf (100% of inflow)
 Center-of-Mass det. time= 76.5 min (856.3 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.59' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.60 | 270 | 40.0 | 1 | 1 |
| 214.59 | 270 | 40.0 | 323 | 324 |
| 214.60 | 270 | 100.0 | 3 | 327 |

| 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 @ 12.51 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 @ 1.08 fps)

Summary for Pond DE9: DRIP #9

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 = 0.03 cfs @ 11.65 hrs, Volume= 619 cf, Atten= 86%, Lag= 0.0 min
 Discarded = 0.03 cfs @ 11.65 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= 212.95' @ 12.62 hrs Surf.Area= 449 sf Storage= 191 cf

Plug-Flow detention time= 48.5 min calculated for 619 cf (100% of inflow)

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Center-of-Mass det. time= 48.3 min (828.2 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 211.89' | 543 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 | 449 | 0.0 | 0 0 |
| 211.90 | 449 | 40.0 | 2 2 |
| 214.89 | 449 | 40.0 | 537 539 |
| 214.90 | 449 | 100.0 | 4 543 |

| 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=0.03 cfs @ 11.65 hrs HW=211.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=211.89' TW=211.50' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DEB1: DRIP #B1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 17,980 sf, 88.68% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 1.24 cfs @ 12.09 hrs, Volume= 4,220 cf
 Outflow = 0.39 cfs @ 11.95 hrs, Volume= 4,220 cf, Atten= 69%, Lag= 0.0 min
 Discarded = 0.39 cfs @ 11.95 hrs, Volume= 4,220 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= 202.80' @ 12.39 hrs Surf.Area= 2,035 sf Storage= 656 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 7.3 min (780.3 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 3,276 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 2,035 | 0.0 | 0 | 0 |
| 202.00 | 2,035 | 40.0 | 8 | 8 |
| 205.99 | 2,035 | 40.0 | 3,248 | 3,256 |
| 206.00 | 2,035 | 100.0 | 20 | 3,276 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 203.00' | 8.0" Round Culvert L= 50.0' Ke= 0.500 Inlet / Outlet Invert= 203.00' / 202.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.39 cfs @ 11.95 hrs HW=202.05' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.39 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=201.99' TW=196.98' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DEB2: DRIP #B2

| | |
|---------------|---|
| Inflow Area = | 17,498 sf, 90.17% Impervious, Inflow Depth > 2.82" for 2YR event |
| Inflow = | 1.21 cfs @ 12.09 hrs, Volume= 4,107 cf |
| Outflow = | 0.56 cfs @ 12.27 hrs, Volume= 4,106 cf, Atten= 54%, Lag= 10.8 min |
| Discarded = | 0.10 cfs @ 11.50 hrs, Volume= 3,280 cf |
| Primary = | 0.46 cfs @ 12.27 hrs, Volume= 826 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.49' @ 12.27 hrs Surf.Area= 1,720 sf Storage= 1,030 cf

Plug-Flow detention time= 45.6 min calculated for 4,106 cf (100% of inflow)

Center-of-Mass det. time= 45.5 min (818.5 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 2,081 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 1,720 | 0.0 | 0 | 0 |
| 202.00 | 1,720 | 40.0 | 7 | 7 |
| 204.99 | 1,720 | 40.0 | 2,057 | 2,064 |
| 205.00 | 1,720 | 100.0 | 17 | 2,081 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.90' | 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 | 203.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 203.00' / 202.95' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf
 #3 Discarded 201.99' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.10 cfs @ 11.50 hrs HW=202.03' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=0.45 cfs @ 12.27 hrs HW=203.48' TW=195.02' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.45 cfs @ 2.34 fps)

Summary for Pond DEB3: DRIP #B3

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 17,772 sf, 89.71% Impervious, Inflow Depth > 2.71" for 2YR event
 Inflow = 1.20 cfs @ 12.09 hrs, Volume= 4,016 cf
 Outflow = 0.53 cfs @ 12.28 hrs, Volume= 4,016 cf, Atten= 56%, Lag= 11.6 min
 Discarded = 0.35 cfs @ 11.90 hrs, Volume= 3,824 cf
 Primary = 0.18 cfs @ 12.28 hrs, Volume= 192 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.28' @ 12.28 hrs Surf.Area= 1,829 sf Storage= 578 cf

Plug-Flow detention time= 6.3 min calculated for 4,016 cf (100% of inflow)
 Center-of-Mass det. time= 6.3 min (786.2 - 779.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 2,945 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,829 | 0.0 | 0 | 0 |
| 201.50 | 1,829 | 40.0 | 7 | 7 |
| 205.49 | 1,829 | 40.0 | 2,919 | 2,926 |
| 205.50 | 1,829 | 100.0 | 18 | 2,945 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.35 cfs @ 11.90 hrs HW=201.53' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.35 cfs)

Primary OutFlow Max=0.17 cfs @ 12.28 hrs HW=202.28' TW=199.40' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.17 cfs @ 1.87 fps)

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Summary for Pond DEB4: DRIP #B4

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 17,682 sf, 89.23% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 1.22 cfs @ 12.09 hrs, Volume= 4,150 cf
 Outflow = 0.52 cfs @ 12.29 hrs, Volume= 4,150 cf, Atten= 57%, Lag= 12.2 min
 Discarded = 0.36 cfs @ 11.95 hrs, Volume= 3,984 cf
 Primary = 0.15 cfs @ 12.29 hrs, Volume= 166 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.26' @ 12.29 hrs Surf.Area= 1,904 sf Storage= 590 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 6.2 min (779.2 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 3,065 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| | | | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,904 | 0.0 | 0 | 0 |
| 201.50 | 1,904 | 40.0 | 8 | 8 |
| 205.49 | 1,904 | 40.0 | 3,039 | 3,046 |
| 205.50 | 1,904 | 100.0 | 19 | 3,065 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.95' S= 0.0050 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.36 cfs @ 11.95 hrs HW=201.57' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.36 cfs)

Primary OutFlow Max=0.15 cfs @ 12.29 hrs HW=202.26' TW=199.39' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.76 fps)

Summary for Pond DECH: DRIP #CH

Inflow Area = 5,112 sf, 87.56% Impervious, Inflow Depth > 2.82" for 2YR event
 Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,200 cf
 Outflow = 0.22 cfs @ 12.19 hrs, Volume= 1,200 cf, Atten= 37%, Lag= 6.4 min
 Discarded = 0.04 cfs @ 11.65 hrs, Volume= 925 cf
 Primary = 0.19 cfs @ 12.19 hrs, Volume= 274 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= 203.86' @ 12.19 hrs Surf.Area= 636 sf Storage= 223 cf

Plug-Flow detention time= 19.8 min calculated for 1,200 cf (100% of inflow)

Center-of-Mass det. time= 19.7 min (792.7 - 773.0)

| Volume | Invert | Avail.Storage | Storage Description | | |
|---------------------|----------------------|---------------|--|---------------------------|--|
| #1 | 202.99' | 770 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) | |
| 202.99 | 636 | 0.0 | 0 | 0 | |
| 203.00 | 636 | 40.0 | 3 | 3 | |
| 205.99 | 636 | 40.0 | 761 | 763 | |
| 206.00 | 636 | 100.0 | 6 | 770 | |

| Device | Routing | Invert | Outlet Devices | |
|--------|-----------|---------|--|--|
| #1 | Primary | 205.90' | 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 | 203.50' | 4.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 203.50' / 202.00' S= 0.0500 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf | |
| #3 | Discarded | 202.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' | |

Discarded OutFlow Max=0.04 cfs @ 11.65 hrs HW=203.02' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.19 cfs @ 12.19 hrs HW=203.86' TW=201.63' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Inlet Controls 0.19 cfs @ 2.13 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth > 1.70" for 2YR event
 Inflow = 1.74 cfs @ 12.11 hrs, Volume= 6,374 cf
 Outflow = 0.48 cfs @ 12.59 hrs, Volume= 6,373 cf, Atten= 73%, Lag= 29.0 min
 Discarded = 0.22 cfs @ 11.75 hrs, Volume= 5,608 cf
 Primary = 0.26 cfs @ 12.59 hrs, Volume= 765 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 195.19' @ 12.59 hrs Surf.Area= 3,927 sf Storage= 2,169 cf

Plug-Flow detention time= 53.1 min calculated for 6,360 cf (100% of inflow)

Center-of-Mass det. time= 52.9 min (840.7 - 787.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|--------|---------|---------------|---|--|
| #1A | 194.00' | 3,542 cf | 38.17'W x 102.88'L x 2.83'H STORMTECH SC-310 11,125 cf Overall - 2,270 cf Embedded = 8,855 cf x 40.0% Voids | |
| #2A | 195.00' | 2,270 cf | ADS_StormTech SC-310 +Cap x 154 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 154 Chambers in 11 Rows | |

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5,812 cf Total Available Storage

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.90' | 12.0" Round Culvert L= 20.0' Ke= 0.200 Inlet / Outlet Invert= 194.90' / 194.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Discarded | 194.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.22 cfs @ 11.75 hrs HW=194.04' (Free Discharge)

↳ **2=Exfiltration** (Exfiltration Controls 0.22 cfs)

Primary OutFlow Max=0.26 cfs @ 12.59 hrs HW=195.19' TW=194.82' (Dynamic Tailwater)

↳ **1=Culvert** (Barrel Controls 0.26 cfs @ 2.03 fps)

Summary for Pond P205: INFILTRATION POND #5

| | |
|---------------|--|
| Inflow Area = | 254,301 sf, 42.05% Impervious, Inflow Depth > 1.02" for 2YR event |
| Inflow = | 4.52 cfs @ 12.11 hrs, Volume= 21,643 cf |
| Outflow = | 0.84 cfs @ 13.19 hrs, Volume= 18,935 cf, Atten= 81%, Lag= 64.8 min |
| Discarded = | 0.33 cfs @ 13.19 hrs, Volume= 14,987 cf |
| Primary = | 0.52 cfs @ 13.19 hrs, Volume= 3,947 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.57' @ 13.19 hrs Surf.Area= 5,896 sf Storage= 7,794 cf

Plug-Flow detention time= 187.4 min calculated for 18,935 cf (87% of inflow)

Center-of-Mass det. time= 129.0 min (977.6 - 848.6)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.00' | 38,186 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.00 | 4,110 | 0 | 0 |
| 196.00 | 5,205 | 4,658 | 4,658 |
| 198.00 | 7,652 | 12,857 | 17,515 |
| 200.00 | 10,380 | 18,032 | 35,547 |
| 200.25 | 10,739 | 2,640 | 38,186 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 199.10' | 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 2.63 |
| #2 | Primary | 193.00' | 18.0" Round Culvert L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 193.00' / 192.00' S= 0.0217 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.25' | 18.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Discarded | 195.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.33 cfs @ 13.19 hrs HW=196.57' (Free Discharge)

↳ **4=Exfiltration** (Exfiltration Controls 0.33 cfs)

Primary OutFlow Max=0.52 cfs @ 13.19 hrs HW=196.57' TW=192.07' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 0.52 cfs of 14.28 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 0.52 cfs @ 1.91 fps)

Summary for Pond P206: INFILTRATION POND #4

Inflow Area = 78,505 sf, 54.69% Impervious, Inflow Depth > 1.63" for 2YR event
 Inflow = 3.33 cfs @ 12.09 hrs, Volume= 10,644 cf
 Outflow = 0.93 cfs @ 12.45 hrs, Volume= 10,643 cf, Atten= 72%, Lag= 21.6 min
 Discarded = 0.93 cfs @ 12.45 hrs, Volume= 10,643 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= 196.01' @ 12.45 hrs Surf.Area= 4,844 sf Storage= 2,232 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 13.3 min (821.2 - 807.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.50' | 14,163 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.50 | 3,860 | 0 | 0 |
| 196.00 | 4,830 | 2,173 | 2,173 |
| 198.00 | 7,160 | 11,990 | 14,163 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 197.00' | 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 | 194.00' | 18.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.00' S= 0.0500 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.30' | 18.0" W x 3.2" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 196.70' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Discarded | 195.50' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.93 cfs @ 12.45 hrs HW=196.01' (Free Discharge)

↳ **5=Exfiltration** (Exfiltration Controls 0.93 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=195.50' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 0.00 cfs of 7.37 cfs potential flow)

↳ **3=Orifice/Grate** (Controls 0.00 cfs)

↳ **4=Orifice/Grate** (Controls 0.00 cfs)

Summary for Pond P207: INFILTRATION POND #3

Inflow Area = 176,771 sf, 70.76% Impervious, Inflow Depth > 2.17" for 2YR event
 Inflow = 9.63 cfs @ 12.09 hrs, Volume= 31,994 cf
 Outflow = 0.68 cfs @ 13.44 hrs, Volume= 31,977 cf, Atten= 93%, Lag= 81.2 min
 Discarded = 0.68 cfs @ 13.44 hrs, Volume= 31,977 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= 193.22' @ 13.44 hrs Surf.Area= 12,207 sf Storage= 13,625 cf

Plug-Flow detention time= 174.7 min calculated for 31,977 cf (100% of inflow)
 Center-of-Mass det. time= 174.3 min (958.5 - 784.2)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 192.00' | 55,227 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 192.00 | 10,200 | 0 | 0 |
| 194.00 | 13,500 | 23,700 | 23,700 |
| 196.00 | 18,027 | 31,527 | 55,227 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.75' | 15.0' 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 | 192.00' | 24.0" Round Culvert X 2.00 L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |
| #3 | Device 2 | 193.50' | 18.0" W x 3.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 194.00' | 18.0" W x 6.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Device 2 | 194.75' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #6 | Discarded | 192.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.68 cfs @ 13.44 hrs HW=193.22' (Free Discharge)

↳ **6=Exfiltration** (Exfiltration Controls 0.68 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=192.00' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

↳ **3=Orifice/Grate** (Controls 0.00 cfs)

↳ **4=Orifice/Grate** (Controls 0.00 cfs)

↳ **5=Orifice/Grate** (Controls 0.00 cfs)

Summary for Pond P210: INFILTRATION POND #1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=29)

| | | |
|---------------|--------------------------------|--------------------------------------|
| Inflow Area = | 102,075 sf, 59.72% Impervious, | Inflow Depth > 1.76" for 2YR event |
| Inflow = | 4.63 cfs @ 12.10 hrs, Volume= | 14,996 cf |
| Outflow = | 0.67 cfs @ 12.66 hrs, Volume= | 14,998 cf, Atten= 86%, Lag= 33.9 min |
| Discarded = | 0.36 cfs @ 12.66 hrs, Volume= | 13,591 cf |
| Primary = | 0.30 cfs @ 12.66 hrs, Volume= | 1,407 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 204.94' @ 12.66 hrs Surf.Area= 6,526 sf Storage= 5,583 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 112.6 min (924.6 - 811.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 204.00' | 17,383 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.00 | 5,368 | 0 | 0 |
| 206.00 | 7,835 | 13,203 | 13,203 |
| 206.50 | 8,884 | 4,180 | 17,383 |

| 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 | 204.70' | 18.0" Round Culvert L= 24.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 203.00' S= 0.0708 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Discarded | 204.00' | 2.410 in/hr Exfiltration over Surface area |

Discarded OutFlow Max=0.36 cfs @ 12.66 hrs HW=204.94' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.36 cfs)

Primary OutFlow Max=0.30 cfs @ 12.66 hrs HW=204.94' TW=202.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Inlet Controls 0.30 cfs @ 1.66 fps)

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Summary for Pond P212: INFILTRATION POND #2

Inflow Area = 165,235 sf, 47.56% Impervious, Inflow Depth > 1.37" for 2YR event
 Inflow = 4.56 cfs @ 12.10 hrs, Volume= 18,901 cf
 Outflow = 0.49 cfs @ 13.43 hrs, Volume= 18,705 cf, Atten= 89%, Lag= 79.9 min
 Discarded = 0.49 cfs @ 13.43 hrs, Volume= 18,705 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= 201.32' @ 13.43 hrs Surf.Area= 8,868 sf Storage= 8,226 cf

Plug-Flow detention time= 171.5 min calculated for 18,705 cf (99% of inflow)
 Center-of-Mass det. time= 165.2 min (981.7 - 816.5)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 200.00' | 38,775 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 200.00 | 2,737 | 0 | 0 |
| 201.00 | 8,272 | 5,505 | 5,505 |
| 202.00 | 10,150 | 9,211 | 14,716 |
| 204.00 | 13,909 | 24,059 | 38,775 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 202.65' | 25.0' 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 | Discarded | 200.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.49 cfs @ 13.43 hrs HW=201.32' (Free Discharge)
 ↳2=Exfiltration (Exfiltration Controls 0.49 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=200.00' TW=199.50' (Dynamic Tailwater)
 ↳1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 6,539 sf, 66.08% Impervious, Inflow Depth > 1.82" for 2YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 990 cf
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 990 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 = 779,830 sf, 17.89% Impervious, Inflow Depth > 1.11" for 2YR event
 Inflow = 7.54 cfs @ 12.39 hrs, Volume= 71,821 cf
 Primary = 7.54 cfs @ 12.39 hrs, Volume= 71,821 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 AP3: ANALYSIS POINT 3

Inflow Area = 45,041 sf, 8.61% Impervious, Inflow Depth > 1.10" for 2YR event
Inflow = 1.36 cfs @ 12.11 hrs, Volume= 4,126 cf
Primary = 1.36 cfs @ 12.11 hrs, Volume= 4,126 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 = 1,750,335 sf, 29.39% Impervious, Inflow Depth > 0.44" for 2YR event
Inflow = 7.35 cfs @ 12.40 hrs, Volume= 64,865 cf
Primary = 7.35 cfs @ 12.40 hrs, Volume= 64,865 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

| | |
|---|---|
| Subcatchment B1: MULTIFAMILY BLDG #1 | Runoff Area=17,980 sf 88.68% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=1.92 cfs 6,727 cf |
| Subcatchment B2: MULTIFAMILY BLDG #2 | Runoff Area=17,498 sf 90.17% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=1.87 cfs 6,547 cf |
| Subcatchment B3: MULTIFAMILY BLDG #3 | Runoff Area=17,772 sf 89.71% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=1.88 cfs 6,482 cf |
| Subcatchment B4: MULTIFAMILY BLDG #4 | Runoff Area=17,682 sf 89.23% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=1.89 cfs 6,616 cf |
| Subcatchment C1: CB #1 | Runoff Area=10,706 sf 37.85% Impervious Runoff Depth>2.41" Flow Length=95' Tc=8.5 min CN=75 Runoff=0.63 cfs 2,153 cf |
| Subcatchment C10: CB #44 | Runoff Area=5,492 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.60 cfs 2,160 cf |
| Subcatchment C11: CB #47 | Runoff Area=2,381 sf 54.01% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=0.22 cfs 700 cf |
| Subcatchment C12: CB #48 | Runoff Area=2,480 sf 63.99% Impervious Runoff Depth>3.73" Tc=6.0 min CN=89 Runoff=0.24 cfs 771 cf |
| Subcatchment C13: CB #49 | Runoff Area=6,942 sf 55.47% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=0.63 cfs 2,040 cf |
| Subcatchment C14: CB #50 | Runoff Area=6,999 sf 66.87% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=0.68 cfs 2,237 cf |
| Subcatchment C15: CB #15 | Runoff Area=3,235 sf 58.73% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=0.30 cfs 978 cf |
| Subcatchment C16: CB #16 | Runoff Area=2,087 sf 71.87% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.21 cfs 685 cf |
| Subcatchment C17: CB #17 | Runoff Area=9,714 sf 59.89% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=0.91 cfs 2,937 cf |
| Subcatchment C18: CB #18 | Runoff Area=9,165 sf 65.72% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=0.89 cfs 2,929 cf |
| Subcatchment C19: CB #19 | Runoff Area=6,910 sf 57.21% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=0.65 cfs 2,089 cf |
| Subcatchment C2: CB #2 | Runoff Area=21,674 sf 80.07% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=2.15 cfs 7,117 cf |

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|---------------------------------|---|
| Subcatchment C20: CB #20 | Runoff Area=8,034 sf 73.30% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.81 cfs 2,710 cf |
| Subcatchment C21: CB #21 | Runoff Area=9,293 sf 82.86% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.92 cfs 3,052 cf |
| Subcatchment C22: CB #22 | Runoff Area=10,403 sf 81.23% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=0.95 cfs 3,058 cf |
| Subcatchment C23: CB #23 | Runoff Area=19,822 sf 84.04% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=1.97 cfs 6,509 cf |
| Subcatchment C24: CB #24 | Runoff Area=2,226 sf 99.87% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.24 cfs 876 cf |
| Subcatchment C25: CB #25 | Runoff Area=2,249 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.24 cfs 885 cf |
| Subcatchment C26: CB #26 | Runoff Area=3,194 sf 78.40% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,135 cf |
| Subcatchment C27: CB #27 | Runoff Area=13,200 sf 88.54% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=1.40 cfs 4,815 cf |
| Subcatchment C28: CB #28 | Runoff Area=18,536 sf 69.19% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=1.88 cfs 6,252 cf |
| Subcatchment C29: CB #29 | Runoff Area=1,837 sf 70.93% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.18 cfs 603 cf |
| Subcatchment C3: CB #3 | Runoff Area=10,853 sf 74.08% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=1.01 cfs 3,281 cf |
| Subcatchment C30: CB #30 | Runoff Area=6,023 sf 53.63% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=0.55 cfs 1,770 cf |
| Subcatchment C31: CB #31 | Runoff Area=13,352 sf 89.53% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=1.43 cfs 4,996 cf |
| Subcatchment C32: CB #32 | Runoff Area=15,647 sf 68.79% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=1.55 cfs 5,138 cf |
| Subcatchment C33: CB #33 | Runoff Area=10,475 sf 79.30% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=1.09 cfs 3,724 cf |
| Subcatchment C34: CB #34 | Runoff Area=7,978 sf 96.09% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.86 cfs 3,061 cf |
| Subcatchment C35: CB #35 | Runoff Area=7,168 sf 73.14% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.74 cfs 2,482 cf |
| Subcatchment C36: CB #36 | Runoff Area=5,338 sf 97.53% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.58 cfs 2,100 cf |

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| Subcatchment C37: CB #37 | Runoff Area=4,130 sf 76.71% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.43 cfs 1,468 cf |
| Subcatchment C38: CB #38 | Runoff Area=2,450 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.27 cfs 964 cf |
| Subcatchment C39: CB #39 | Runoff Area=20,827 sf 63.79% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=2.07 cfs 6,839 cf |
| Subcatchment C4: CB #4 | Runoff Area=21,472 sf 40.29% Impervious Runoff Depth>2.50" Flow Length=375' Tc=10.7 min CN=76 Runoff=1.22 cfs 4,469 cf |
| Subcatchment C40: CB #40 | Runoff Area=4,980 sf 92.85% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.54 cfs 1,911 cf |
| Subcatchment C41: CB #41 | Runoff Area=5,480 sf 85.02% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.58 cfs 1,999 cf |
| Subcatchment C42: CB #42 | Runoff Area=51,636 sf 15.77% Impervious Runoff Depth>3.04" Flow Length=300' Tc=7.8 min CN=82 Runoff=3.92 cfs 13,080 cf |
| Subcatchment C43: CB #43 | Runoff Area=5,946 sf 61.76% Impervious Runoff Depth>3.73" Tc=6.0 min CN=89 Runoff=0.57 cfs 1,849 cf |
| Subcatchment C44: CB #44 | Runoff Area=6,236 sf 57.31% Impervious Runoff Depth>3.63" Tc=6.0 min CN=88 Runoff=0.58 cfs 1,885 cf |
| Subcatchment C45: CB #45 | Runoff Area=4,105 sf 83.29% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.43 cfs 1,459 cf |
| Subcatchment C46: CB #46 | Runoff Area=6,943 sf 69.75% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.69 cfs 2,280 cf |
| Subcatchment C47: CB #47 | Runoff Area=2,486 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.27 cfs 978 cf |
| Subcatchment C48: CB #48 | Runoff Area=3,544 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.39 cfs 1,394 cf |
| Subcatchment C49: CB #49 | Runoff Area=1,263 sf 94.54% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.14 cfs 485 cf |
| Subcatchment C5: CB #5 | Runoff Area=1,783 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.19 cfs 701 cf |
| Subcatchment C50: CB #50 | Runoff Area=1,590 sf 95.66% Impervious Runoff Depth>4.60" Tc=6.0 min CN=97 Runoff=0.17 cfs 610 cf |
| Subcatchment C51: CB #51 | Runoff Area=9,541 sf 92.31% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=1.01 cfs 3,480 cf |

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| Subcatchment C52: CB #52 | Runoff Area=17,462 sf 77.87% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=1.70 cfs 5,581 cf |
| Subcatchment C53: CB #53 | Runoff Area=6,202 sf 91.87% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.66 cfs 2,262 cf |
| Subcatchment C54: CB #54 | Runoff Area=3,756 sf 91.59% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.40 cfs 1,370 cf |
| Subcatchment C55: CB #55 | Runoff Area=19,318 sf 48.01% Impervious Runoff Depth>2.76" Flow Length=120' Slope=0.0400 '/' Tc=6.9 min CN=79 Runoff=1.38 cfs 4,450 cf |
| Subcatchment C56: CB #56 | Runoff Area=5,029 sf 79.82% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.50 cfs 1,651 cf |
| Subcatchment C57: CB #57 | Runoff Area=2,370 sf 84.43% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.24 cfs 799 cf |
| Subcatchment C58: CB #58 | Runoff Area=1,348 sf 83.01% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.14 cfs 455 cf |
| Subcatchment C59: CB #59 | Runoff Area=1,607 sf 85.75% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.17 cfs 557 cf |
| Subcatchment C6: CB #6 | Runoff Area=3,766 sf 59.48% Impervious Runoff Depth>3.33" Tc=6.0 min CN=85 Runoff=0.33 cfs 1,045 cf |
| Subcatchment C60: CB #60 | Runoff Area=3,327 sf 100.00% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.36 cfs 1,309 cf |
| Subcatchment C61: CB #61 | Runoff Area=6,407 sf 84.94% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.68 cfs 2,337 cf |
| Subcatchment C62: CB #62 | Runoff Area=5,714 sf 64.82% Impervious Runoff Depth>3.33" Tc=6.0 min CN=85 Runoff=0.50 cfs 1,585 cf |
| Subcatchment C64: CB #64 | Runoff Area=7,555 sf 42.86% Impervious Runoff Depth>1.63" Tc=6.0 min CN=65 Runoff=0.31 cfs 1,023 cf |
| Subcatchment C7: CB #7 | Runoff Area=7,403 sf 94.92% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.79 cfs 2,770 cf |
| Subcatchment C8: CB #8 | Runoff Area=12,849 sf 70.13% Impervious Runoff Depth>3.52" Flow Length=195' Tc=9.8 min CN=87 Runoff=1.04 cfs 3,774 cf |
| Subcatchment C9: CB #45 | Runoff Area=7,062 sf 54.59% Impervious Runoff Depth>3.53" Tc=6.0 min CN=87 Runoff=0.64 cfs 2,076 cf |
| Subcatchment CH1: CLUBHOUSE | Runoff Area=5,112 sf 87.56% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.55 cfs 1,913 cf |
| Subcatchment H1: SF #1 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |

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| SubcatchmentH10: SF #10 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH11: SF #11 | 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 |
| SubcatchmentH12: SF #12 | 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 |
| SubcatchmentH13: SF #13 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf |
| SubcatchmentH14: SF #14 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.21 cfs 719 cf |
| SubcatchmentH15: SF #15 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH16: SF #16 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf |
| SubcatchmentH17: SF #17 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH18: SF #18 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf |
| SubcatchmentH19: SF #19 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 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=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH21: SF #21 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf |
| SubcatchmentH22: SF #22 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>3.73" Tc=6.0 min CN=89 Runoff=0.18 cfs 597 cf |
| SubcatchmentH23: SF #23 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>3.83" Tc=6.0 min CN=90 Runoff=0.19 cfs 630 cf |
| SubcatchmentH24: SF #24 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.27 cfs 900 cf |
| SubcatchmentH25: SF #25 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.24 cfs 802 cf |

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| SubcatchmentH26: SF #26 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.19 cfs 631 cf |
| SubcatchmentH27: SF #27 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>3.94" Tc=6.0 min CN=91 Runoff=0.20 cfs 647 cf |
| SubcatchmentH28: SF #28 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.29 cfs 1,026 cf |
| SubcatchmentH29: SF #29 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.25 cfs 873 cf |
| SubcatchmentH3: SF #3 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH30: SF #30 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.29 cfs 1,026 cf |
| SubcatchmentH31: SF #31 | 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 |
| SubcatchmentH32: SF #32 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf |
| SubcatchmentH33: SF #33 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH34: SF #34 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| SubcatchmentH35: SF #35 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf |
| SubcatchmentH36: SF #36 | 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 |
| SubcatchmentH37: SF #37 | 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 |
| SubcatchmentH38: SF #38 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf |
| SubcatchmentH39: SF #39 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.20 cfs 683 cf |
| SubcatchmentH4: SF #4 | Runoff Area=2,741 sf 88.22% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH40: SF #40 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.20 cfs 682 cf |
| SubcatchmentH41: SF #41 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |

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| SubcatchmentH42: SF #42 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH43: SF #43 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.19 cfs 648 cf |
| SubcatchmentH44: SF #44 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.20 cfs 682 cf |
| SubcatchmentH45: SF #45 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.26 cfs 868 cf |
| SubcatchmentH46: SF #46 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH47: SF #47 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH48: SF #48 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.26 cfs 868 cf |
| SubcatchmentH49: SF #49 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH5: SF #5 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH50: SF #50 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH51: SF #51 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH52: SF #52 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH53: SF #53 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.26 cfs 868 cf |
| SubcatchmentH54: SF #54 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH55: SF #55 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.29 cfs 974 cf |
| SubcatchmentH56: SF #56 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.24 cfs 829 cf |
| SubcatchmentH57: SF #57 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.20 cfs 682 cf |

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| Subcatchment H58: SF #58 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.05" Tc=6.0 min CN=92 Runoff=0.19 cfs 648 cf |
| Subcatchment H59: SF #59 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>4.16" Tc=6.0 min CN=93 Runoff=0.20 cfs 665 cf |
| Subcatchment H6: SF #6 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.26 cfs 891 cf |
| Subcatchment H60: SF #60 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.26 cfs 868 cf |
| Subcatchment H7: 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 |
| Subcatchment H8: SF #8 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.25 cfs 851 cf |
| Subcatchment H9: SF #9 | 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 |
| Subcatchment S201: ACCESS ROAD | Runoff Area=6,539 sf 66.08% Impervious Runoff Depth>3.33" Tc=6.0 min CN=85 Runoff=0.57 cfs 1,814 cf |
| Subcatchment S202: EXISTING WETLAND | Runoff Area=370,963 sf 10.29% Impervious Runoff Depth>2.85" Flow Length=1,037' Tc=21.8 min CN=80 Runoff=18.52 cfs 87,987 cf |
| Subcatchment S203: EXISTING WETLANDS | Runoff Area=137,806 sf 6.34% Impervious Runoff Depth>2.08" Flow Length=838' Tc=16.6 min CN=71 Runoff=5.49 cfs 23,873 cf |
| Subcatchment S204: EXISTING WETLANDS | Runoff Area=592,627 sf 0.00% Impervious Runoff Depth>1.69" Flow Length=820' Tc=23.9 min CN=66 Runoff=16.13 cfs 83,480 cf |
| Subcatchment S205: CUL-DE-SAC | Runoff Area=25,952 sf 0.00% Impervious Runoff Depth>1.34" Tc=6.0 min CN=61 Runoff=0.84 cfs 2,905 cf |
| Subcatchment S206: INFILTRATION POND | Runoff Area=17,694 sf 0.00% Impervious Runoff Depth>0.19" Tc=6.0 min CN=39 Runoff=0.01 cfs 282 cf |
| Subcatchment S207: INFILTRATION POND | Runoff Area=24,420 sf 2.99% Impervious Runoff Depth>0.26" Tc=6.0 min CN=41 Runoff=0.04 cfs 534 cf |
| Subcatchment S208: ISOLATED WETLAND | Runoff Area=40,692 sf 0.00% Impervious Runoff Depth>2.41" Tc=6.0 min CN=75 Runoff=2.59 cfs 8,188 cf |
| Subcatchment S209: EXISTING WETLANDS | Runoff Area=261,233 sf 0.00% Impervious Runoff Depth>2.58" Flow Length=550' Tc=21.8 min CN=77 Runoff=11.79 cfs 56,128 cf |
| Subcatchment S210: INFILTRATION POND | Runoff Area=31,093 sf 24.92% Impervious Runoff Depth>2.33" Tc=6.0 min CN=74 Runoff=1.91 cfs 6,037 cf |
| Subcatchment S211: EXISTING WETLANDS | Runoff Area=120,768 sf 0.00% Impervious Runoff Depth>2.24" Flow Length=580' Tc=15.0 min CN=73 Runoff=5.45 cfs 22,566 cf |

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| Subcatchment S212: SWALE | Runoff Area=63,598 sf 0.00% Impervious Runoff Depth>2.32" Flow Length=470' Tc=26.6 min CN=74 Runoff=2.36 cfs 12,290 cf |
| Subcatchment S213: OFFSITE | Runoff Area=102,126 sf 18.24% Impervious Runoff Depth>1.69" Flow Length=985' Tc=17.0 min CN=66 Runoff=3.19 cfs 14,413 cf |
| Subcatchment TH1: TOWN HOUSE #1 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.45 cfs 1,546 cf |
| Subcatchment TH10: TOWN HOUSE #10 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,586 cf |
| Subcatchment TH11: TOWN HOUSE #11 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.63 cfs 2,196 cf |
| Subcatchment TH2: TOWN HOUSE #2 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.45 cfs 1,546 cf |
| Subcatchment TH3: TOWN HOUSE #3 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.27" Tc=6.0 min CN=94 Runoff=0.45 cfs 1,546 cf |
| Subcatchment TH4: TOWN HOUSE #4 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>4.49" Tc=6.0 min CN=96 Runoff=0.63 cfs 2,196 cf |
| Subcatchment TH5: TOWN HOUSE #5 | Runoff Area=3,434 sf 88.24% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.36 cfs 1,253 cf |
| Subcatchment TH6: TOWN HOUSE #6 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,586 cf |
| Subcatchment TH7: TOWN HOUSE #7 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,586 cf |
| Subcatchment TH8: TOWN HOUSE #8 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.72" Tc=6.0 min CN=98 Runoff=0.47 cfs 1,711 cf |
| Subcatchment TH9: TOWN HOUSE #9 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>4.38" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,586 cf |
| Reach 1R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.59 cfs 874 cf n=0.400 L=1,350.0' S=0.0133 '/' Capacity=22.21 cfs Outflow=0.01 cfs 413 cf |
| Reach 2R: OVERLAND FLOW | Avg. Flow Depth=0.00' Max Vel=0.02 fps Inflow=0.15 cfs 197 cf n=0.400 L=925.0' S=0.0124 '/' Capacity=21.45 cfs Outflow=0.00 cfs 114 cf |
| Reach 3R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.03 fps Inflow=0.20 cfs 365 cf n=0.400 L=475.0' S=0.0174 '/' Capacity=20.48 cfs Outflow=0.02 cfs 321 cf |
| Reach 4R: OVERLAND FLOW | Avg. Flow Depth=0.07' Max Vel=0.17 fps Inflow=0.77 cfs 1,216 cf n=0.400 L=100.0' S=0.0800 '/' Capacity=54.42 cfs Outflow=0.58 cfs 1,216 cf |

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| Reach 5R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.17 cfs 278 cf n=0.400 L=826.0' S=0.0266 '/' Capacity=31.40 cfs Outflow=0.01 cfs 211 cf |
| Reach 6R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.66 cfs 933 cf n=0.400 L=650.0' S=0.0323 '/' Capacity=34.58 cfs Outflow=0.06 cfs 839 cf |
| Reach 7R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.44 cfs 659 cf n=0.400 L=500.0' S=0.0360 '/' Capacity=36.50 cfs Outflow=0.05 cfs 625 cf |
| Reach 8R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.06 fps Inflow=0.30 cfs 421 cf n=0.400 L=341.0' S=0.0469 '/' Capacity=41.67 cfs Outflow=0.05 cfs 417 cf |
| Reach 9R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.07 fps Inflow=0.15 cfs 214 cf n=0.400 L=380.0' S=0.0316 '/' Capacity=8.12 cfs Outflow=0.03 cfs 210 cf |
| Reach 10R: OVERLAND FLOW | Avg. Flow Depth=0.16' Max Vel=0.25 fps Inflow=0.74 cfs 1,022 cf n=0.240 L=200.0' S=0.0200 '/' Capacity=10.77 cfs Outflow=0.43 cfs 1,022 cf |
| Reach 11R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.38 cfs 628 cf n=0.400 L=920.0' S=0.0283 '/' Capacity=32.34 cfs Outflow=0.02 cfs 464 cf |
| Reach 12R: OVERLAND FLOW | Avg. Flow Depth=0.09' Max Vel=0.11 fps Inflow=1.56 cfs 2,406 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=0.49 cfs 2,387 cf |
| Reach 13R: OVERLAND FLOW | Avg. Flow Depth=0.03' Max Vel=0.04 fps Inflow=0.76 cfs 1,156 cf n=0.400 L=660.0' S=0.0152 '/' Capacity=23.68 cfs Outflow=0.06 cfs 959 cf |
| Reach 14R: OVERLAND FLOW | Avg. Flow Depth=0.20' Max Vel=0.21 fps Inflow=5.49 cfs 23,873 cf n=0.400 L=800.0' S=0.0275 '/' Capacity=31.90 cfs Outflow=2.09 cfs 22,365 cf |
| Reach 15R: OVERLAND FLOW | Avg. Flow Depth=0.21' Max Vel=0.18 fps Inflow=4.36 cfs 9,501 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=1.93 cfs 9,465 cf |
| Reach 16R: TRENCH DRAIN | Avg. Flow Depth=0.24' Max Vel=2.18 fps Inflow=0.31 cfs 1,023 cf 12.0" Round Pipe n=0.013 L=61.4' S=0.0050 '/' Capacity=2.53 cfs Outflow=0.31 cfs 1,023 cf |
| Reach 17R: SWALE | Avg. Flow Depth=0.37' Max Vel=0.53 fps Inflow=3.19 cfs 14,413 cf n=0.240 L=640.0' S=0.0313 '/' Capacity=12.22 cfs Outflow=2.20 cfs 14,086 cf |
| Reach 18R: OVERLAND FLOW | Avg. Flow Depth=0.26' Max Vel=0.33 fps Inflow=4.69 cfs 24,014 cf n=0.400 L=120.0' S=0.0500 '/' Capacity=44.93 cfs Outflow=4.58 cfs 24,013 cf |
| Reach 19R: OVERLAND FLOW | Avg. Flow Depth=0.28' Max Vel=0.16 fps Inflow=5.45 cfs 22,566 cf n=0.400 L=500.0' S=0.0104 '/' Capacity=19.62 cfs Outflow=2.32 cfs 21,395 cf |
| Reach 20R: OVERLAND FLOW | Avg. Flow Depth=0.11' Max Vel=0.17 fps Inflow=1.40 cfs 4,043 cf n=0.400 L=225.0' S=0.0391 '/' Capacity=38.05 cfs Outflow=0.97 cfs 4,041 cf |
| Reach 21R: OVERLAND FLOW | Avg. Flow Depth=0.10' Max Vel=0.06 fps Inflow=0.31 cfs 1,023 cf n=0.400 L=115.0' S=0.0052 '/' Capacity=6.85 cfs Outflow=0.13 cfs 986 cf |
| Reach 22R: CROSS PIPE | Avg. Flow Depth=0.37' Max Vel=6.01 fps Inflow=2.43 cfs 22,380 cf 24.0" Round Pipe n=0.013 L=35.0' S=0.0200 '/' Capacity=31.99 cfs Outflow=2.43 cfs 22,379 cf |

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Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.32' Max Vel=0.46 fps Inflow=2.43 cfs 22,379 cf
n=0.240 L=180.0' S=0.0278 '/' Capacity=16.59 cfs Outflow=2.39 cfs 22,229 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.39' Max Vel=0.20 fps Inflow=18.52 cfs 87,987 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=8.53 cfs 83,442 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=0.0078 '/' Capacity=17.03 cfs Outflow=0.00 cfs 0 cf

Pond CB1: CB#1 Peak Elev=206.96' Inflow=0.63 cfs 2,153 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0067 '/' Outflow=0.63 cfs 2,153 cf

Pond CB10: CB #10 Peak Elev=210.00' Inflow=0.60 cfs 2,160 cf
12.0" Round Culvert n=0.013 L=33.1' S=0.0051 '/' Outflow=0.60 cfs 2,160 cf

Pond CB11: CB #11 Peak Elev=211.34' Inflow=0.22 cfs 700 cf
12.0" Round Culvert n=0.013 L=17.4' S=0.0057 '/' Outflow=0.22 cfs 700 cf

Pond CB12: CB #12 Peak Elev=211.36' Inflow=0.24 cfs 771 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.24 cfs 771 cf

Pond CB13: CB #13 Peak Elev=209.04' Inflow=0.63 cfs 2,040 cf
12.0" Round Culvert n=0.013 L=10.1' S=0.0050 '/' Outflow=0.63 cfs 2,040 cf

Pond CB14: CB #14 Peak Elev=209.07' Inflow=0.68 cfs 2,237 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.68 cfs 2,237 cf

Pond CB15: CB #15 Peak Elev=207.56' Inflow=0.30 cfs 978 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.30 cfs 978 cf

Pond CB16: CB #16 Peak Elev=207.48' Inflow=0.21 cfs 685 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.21 cfs 685 cf

Pond CB17: CB #17 Peak Elev=203.28' Inflow=0.91 cfs 2,937 cf
12.0" Round Culvert n=0.013 L=13.6' S=0.0074 '/' Outflow=0.91 cfs 2,937 cf

Pond CB18: CB #18 Peak Elev=203.66' Inflow=0.89 cfs 2,929 cf
12.0" Round Culvert n=0.013 L=17.7' S=0.0051 '/' Outflow=0.89 cfs 2,929 cf

Pond CB19: CB #19 Peak Elev=204.08' Inflow=0.65 cfs 2,089 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=0.65 cfs 2,089 cf

Pond CB2: CB#2 Peak Elev=204.87' Inflow=2.15 cfs 7,117 cf
15.0" Round Culvert n=0.013 L=108.6' S=0.0050 '/' Outflow=2.15 cfs 7,117 cf

Pond CB20: CB #20 Peak Elev=204.15' Inflow=0.81 cfs 2,710 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 '/' Outflow=0.81 cfs 2,710 cf

Pond CB21: CB #21 Peak Elev=201.22' Inflow=0.92 cfs 3,052 cf
12.0" Round Culvert n=0.013 L=19.7' S=0.0051 '/' Outflow=0.92 cfs 3,052 cf

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Pond CB22: CB #22Peak Elev=201.22' Inflow=0.95 cfs 3,058 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.95 cfs 3,058 cf**Pond CB23: CB #23**Peak Elev=201.61' Inflow=1.97 cfs 6,509 cf
12.0" Round Culvert n=0.013 L=21.9' S=0.0100 '/' Outflow=1.97 cfs 6,509 cf**Pond CB24: CB #24**Peak Elev=202.34' Inflow=0.24 cfs 876 cf
12.0" Round Culvert n=0.013 L=19.5' S=0.0056 '/' Outflow=0.24 cfs 876 cf**Pond CB25: CB #25**Peak Elev=204.60' Inflow=0.24 cfs 885 cf
12.0" Round Culvert n=0.013 L=16.3' S=0.0074 '/' Outflow=0.24 cfs 885 cf**Pond CB26: CB #26**Peak Elev=204.64' Inflow=0.33 cfs 1,135 cf
12.0" Round Culvert n=0.013 L=14.9' S=0.0081 '/' Outflow=0.33 cfs 1,135 cf**Pond CB27: CB #27**Peak Elev=203.13' Inflow=1.40 cfs 4,815 cf
12.0" Round Culvert n=0.013 L=11.5' S=0.0052 '/' Outflow=1.40 cfs 4,815 cf**Pond CB28: CB #28**Peak Elev=203.29' Inflow=1.88 cfs 6,252 cf
12.0" Round Culvert n=0.013 L=11.6' S=0.0052 '/' Outflow=1.88 cfs 6,252 cf**Pond CB29: CB #29**Peak Elev=203.21' Inflow=0.18 cfs 603 cf
12.0" Round Culvert n=0.013 L=23.4' S=0.0056 '/' Outflow=0.18 cfs 603 cf**Pond CB3: CB#3**Peak Elev=209.56' Inflow=1.01 cfs 3,281 cf
12.0" Round Culvert n=0.013 L=17.4' S=0.0052 '/' Outflow=1.01 cfs 3,281 cf**Pond CB30: CB #30**Peak Elev=203.38' Inflow=0.55 cfs 1,770 cf
12.0" Round Culvert n=0.013 L=15.0' S=0.0087 '/' Outflow=0.55 cfs 1,770 cf**Pond CB31: CB #31**Peak Elev=202.59' Inflow=1.43 cfs 4,996 cf
12.0" Round Culvert n=0.013 L=39.2' S=0.0051 '/' Outflow=1.43 cfs 4,996 cf**Pond CB32: CB #32**Peak Elev=202.79' Inflow=1.55 cfs 5,138 cf
12.0" Round Culvert n=0.013 L=54.5' S=0.0051 '/' Outflow=1.55 cfs 5,138 cf**Pond CB33: CB #33**Peak Elev=205.34' Inflow=1.09 cfs 3,724 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0170 '/' Outflow=1.09 cfs 3,724 cf**Pond CB34: CB #34**Peak Elev=205.33' Inflow=0.86 cfs 3,061 cf
12.0" Round Culvert n=0.013 L=19.5' S=0.0051 '/' Outflow=0.86 cfs 3,061 cf**Pond CB35: CB #35**Peak Elev=205.28' Inflow=0.74 cfs 2,482 cf
12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.74 cfs 2,482 cf**Pond CB36: CB #36**Peak Elev=205.25' Inflow=0.58 cfs 2,100 cf
12.0" Round Culvert n=0.013 L=15.6' S=0.0051 '/' Outflow=0.58 cfs 2,100 cf**Pond CB37: CB #37**Peak Elev=199.99' Inflow=0.43 cfs 1,468 cf
12.0" Round Culvert n=0.013 L=28.7' S=0.0052 '/' Outflow=0.43 cfs 1,468 cf**Pond CB38: CB #38**Peak Elev=199.85' Inflow=0.27 cfs 964 cf
12.0" Round Culvert n=0.013 L=22.7' S=0.0053 '/' Outflow=0.27 cfs 964 cf

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| Pond CB39: CB #39 | Peak Elev=197.55' Inflow=2.07 cfs 6,839 cf 12.0" Round Culvert n=0.013 L=31.2' S=0.0061 ' Outflow=2.07 cfs 6,839 cf |
| Pond CB4: CB#4 | Peak Elev=209.64' Inflow=1.22 cfs 4,469 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0055 ' Outflow=1.22 cfs 4,469 cf |
| Pond CB40: CB #40 | Peak Elev=203.05' Inflow=0.54 cfs 1,911 cf 12.0" Round Culvert n=0.013 L=13.4' S=0.0052 ' Outflow=0.54 cfs 1,911 cf |
| Pond CB41: CB #41 | Peak Elev=203.05' Inflow=0.58 cfs 1,999 cf 12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' Outflow=0.58 cfs 1,999 cf |
| Pond CB42: CB #42 | Peak Elev=200.16' Inflow=5.21 cfs 15,219 cf 18.0" Round Culvert n=0.013 L=147.0' S=0.0050 ' Outflow=5.21 cfs 15,219 cf |
| Pond CB43: CB #43 | Peak Elev=205.36' Inflow=0.57 cfs 1,849 cf 12.0" Round Culvert n=0.013 L=21.1' S=0.0052 ' Outflow=0.57 cfs 1,849 cf |
| Pond CB44: CB #44 | Peak Elev=205.36' Inflow=0.58 cfs 1,885 cf 12.0" Round Culvert n=0.013 L=22.0' S=0.0050 ' Outflow=0.58 cfs 1,885 cf |
| Pond CB45: CB #45 | Peak Elev=206.80' Inflow=0.43 cfs 1,459 cf 12.0" Round Culvert n=0.013 L=11.7' S=0.0068 ' Outflow=0.43 cfs 1,459 cf |
| Pond CB46: CB #46 | Peak Elev=206.90' Inflow=0.69 cfs 2,280 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0073 ' Outflow=0.69 cfs 2,280 cf |
| Pond CB47: CB #47 | Peak Elev=208.64' Inflow=0.27 cfs 978 cf 12.0" Round Culvert n=0.013 L=17.9' S=0.0050 ' Outflow=0.27 cfs 978 cf |
| Pond CB48: CB #48 | Peak Elev=208.70' Inflow=0.39 cfs 1,394 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 ' Outflow=0.39 cfs 1,394 cf |
| Pond CB49: CB #49 | Peak Elev=210.66' Inflow=0.14 cfs 485 cf 12.0" Round Culvert n=0.013 L=19.9' S=0.0121 ' Outflow=0.14 cfs 485 cf |
| Pond CB5: CB#5 | Peak Elev=212.41' Inflow=0.19 cfs 701 cf 12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' Outflow=0.19 cfs 701 cf |
| Pond CB50: CB #50 | Peak Elev=210.34' Inflow=0.17 cfs 610 cf 12.0" Round Culvert n=0.013 L=34.1' S=0.0053 ' Outflow=0.17 cfs 610 cf |
| Pond CB51: CB #51 | Peak Elev=210.78' Inflow=1.01 cfs 3,480 cf 12.0" Round Culvert n=0.013 L=24.4' S=0.0049 ' Outflow=1.01 cfs 3,480 cf |
| Pond CB52: CB #52 | Peak Elev=211.01' Inflow=1.70 cfs 5,581 cf 12.0" Round Culvert n=0.013 L=24.2' S=0.0050 ' Outflow=1.70 cfs 5,581 cf |
| Pond CB53: CB #53 | Peak Elev=214.40' Inflow=0.66 cfs 2,262 cf 12.0" Round Culvert n=0.013 L=24.7' S=0.0065 ' Outflow=0.66 cfs 2,262 cf |

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Pond CB54: CB #54Peak Elev=214.46' Inflow=0.40 cfs 1,370 cf
12.0" Round Culvert n=0.013 L=38.2' S=0.0094 ' Outflow=0.40 cfs 1,370 cf**Pond CB55: CB #55**Peak Elev=218.21' Inflow=1.38 cfs 4,450 cf
12.0" Round Culvert n=0.013 L=73.1' S=0.0052 ' Outflow=1.38 cfs 4,450 cf**Pond CB56: CB #56**Peak Elev=220.57' Inflow=0.50 cfs 1,651 cf
12.0" Round Culvert n=0.013 L=26.6' S=0.0060 ' Outflow=0.50 cfs 1,651 cf**Pond CB57: CB #57**Peak Elev=220.43' Inflow=0.24 cfs 799 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0149 ' Outflow=0.24 cfs 799 cf**Pond CB58: CB #58**Peak Elev=221.75' Inflow=0.14 cfs 455 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0055 ' Outflow=0.14 cfs 455 cf**Pond CB59: CB #59**Peak Elev=222.19' Inflow=0.17 cfs 557 cf
12.0" Round Culvert n=0.013 L=37.1' S=0.0129 ' Outflow=0.17 cfs 557 cf**Pond CB6: CB#6**Peak Elev=213.04' Inflow=0.33 cfs 1,045 cf
12.0" Round Culvert n=0.013 L=32.2' S=0.0152 ' Outflow=0.33 cfs 1,045 cf**Pond CB60: CB #60**Peak Elev=202.40' Inflow=0.36 cfs 1,309 cf
12.0" Round Culvert n=0.013 L=11.5' S=0.0052 ' Outflow=0.36 cfs 1,309 cf**Pond CB61: CB #61**Peak Elev=202.47' Inflow=0.68 cfs 2,337 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0270 ' Outflow=0.68 cfs 2,337 cf**Pond CB62: CB#62**Peak Elev=206.83' Inflow=0.50 cfs 1,585 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0052 ' Outflow=0.50 cfs 1,585 cf**Pond CB7: CB#7**Peak Elev=214.80' Inflow=0.79 cfs 2,770 cf
12.0" Round Culvert n=0.013 L=15.0' S=0.0053 ' Outflow=0.79 cfs 2,770 cf**Pond CB8: CB#8**Peak Elev=215.10' Inflow=1.04 cfs 3,774 cf
12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' Outflow=1.04 cfs 3,774 cf**Pond CB9: CB #9**Peak Elev=210.21' Inflow=0.64 cfs 2,076 cf
12.0" Round Culvert n=0.013 L=15.8' S=0.0051 ' Outflow=0.64 cfs 2,076 cf**Pond D1: DMH#1**Peak Elev=204.05' Inflow=7.63 cfs 26,895 cf
24.0" Round Culvert n=0.013 L=86.9' S=0.0052 ' Outflow=7.63 cfs 26,895 cf**Pond D10: DMH #10**Peak Elev=203.11' Inflow=2.31 cfs 7,529 cf
15.0" Round Culvert n=0.013 L=240.0' S=0.0050 ' Outflow=2.31 cfs 7,529 cf**Pond D11: DMH #11**Peak Elev=202.06' Inflow=3.77 cfs 12,328 cf
15.0" Round Culvert n=0.013 L=221.7' S=0.0050 ' Outflow=3.77 cfs 12,328 cf**Pond D12: DMH #12**Peak Elev=200.53' Inflow=3.77 cfs 12,328 cf
18.0" Round Culvert n=0.013 L=30.2' S=0.0050 ' Outflow=3.77 cfs 12,328 cf**Pond D13: DMH #13**Peak Elev=200.98' Inflow=1.87 cfs 6,109 cf
15.0" Round Culvert n=0.013 L=26.4' S=0.0049 ' Outflow=1.87 cfs 6,109 cf

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| Pond D14: DMH #14 | Peak Elev=204.94' Inflow=1.96 cfs 6,785 cf 15.0" Round Culvert n=0.013 L=139.7' S=0.0050 '/ Outflow=1.96 cfs 6,785 cf |
| Pond D15: DMH #15 | Peak Elev=204.07' Inflow=3.27 cfs 11,367 cf 18.0" Round Culvert n=0.013 L=161.8' S=0.0050 '/ Outflow=3.27 cfs 11,367 cf |
| Pond D16: DMH #16 | Peak Elev=205.16' Inflow=1.32 cfs 4,582 cf 12.0" Round Culvert n=0.013 L=110.6' S=0.0051 '/ Outflow=1.32 cfs 4,582 cf |
| Pond D17: DMH #17 | Peak Elev=202.97' Inflow=4.39 cfs 15,277 cf 18.0" Round Culvert n=0.013 L=129.0' S=0.0050 '/ Outflow=4.39 cfs 15,277 cf |
| Pond D18: DMH #18 | Peak Elev=201.69' Inflow=5.43 cfs 18,922 cf 24.0" Round Culvert n=0.013 L=150.4' S=0.0050 '/ Outflow=5.43 cfs 18,922 cf |
| Pond D19: DMH #19 | Peak Elev=197.51' Inflow=15.48 cfs 52,547 cf 24.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/ Outflow=15.48 cfs 52,547 cf |
| Pond D2: DMH#2 | Peak Elev=206.77' Inflow=5.51 cfs 19,778 cf 18.0" Round Culvert n=0.013 L=77.2' S=0.0146 '/ Outflow=5.51 cfs 19,778 cf |
| Pond D20: DMH #20 | Peak Elev=197.48' Inflow=0.70 cfs 2,432 cf 12.0" Round Culvert n=0.013 L=131.9' S=0.0085 '/ Outflow=0.70 cfs 2,432 cf |
| Pond D21: DMH #21 | Peak Elev=196.54' Inflow=2.77 cfs 9,271 cf 15.0" Round Culvert n=0.013 L=75.6' S=0.0050 '/ Outflow=2.77 cfs 9,271 cf |
| Pond D22: DMH #22 | Peak Elev=196.35' Inflow=0.31 cfs 1,023 cf 12.0" Round Culvert n=0.013 L=11.1' S=0.0054 '/ Outflow=0.31 cfs 1,023 cf |
| Pond D23: DMH #23 | Peak Elev=198.92' Inflow=7.84 cfs 26,240 cf 24.0" Round Culvert n=0.013 L=231.7' S=0.0050 '/ Outflow=7.84 cfs 26,240 cf |
| Pond D24: DMH #24 | Peak Elev=200.33' Inflow=7.26 cfs 24,220 cf 24.0" Round Culvert n=0.013 L=261.4' S=0.0050 '/ Outflow=7.26 cfs 24,220 cf |
| Pond D25: DMH #25 | Peak Elev=201.34' Inflow=3.99 cfs 13,153 cf 18.0" Round Culvert n=0.013 L=139.0' S=0.0050 '/ Outflow=3.99 cfs 13,153 cf |
| Pond D26: DMH #26 | Peak Elev=202.07' Inflow=3.26 cfs 10,780 cf 18.0" Round Culvert n=0.013 L=130.0' S=0.0052 '/ Outflow=3.26 cfs 10,780 cf |
| Pond D27: DMH #27 | Peak Elev=205.29' Inflow=3.23 cfs 10,940 cf 15.0" Round Culvert n=0.013 L=101.4' S=0.0050 '/ Outflow=3.23 cfs 10,940 cf |
| Pond D28: DMH #28 | Peak Elev=206.69' Inflow=2.08 cfs 7,206 cf 15.0" Round Culvert n=0.013 L=134.2' S=0.0085 '/ Outflow=2.08 cfs 7,206 cf |
| Pond D29: DMH #29 | Peak Elev=208.36' Inflow=0.96 cfs 3,467 cf 15.0" Round Culvert n=0.013 L=194.7' S=0.0093 '/ Outflow=0.96 cfs 3,467 cf |

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| Pond D3: DMH#3 | Peak Elev=209.23' Inflow=4.40 cfs 16,040 cf 18.0" Round Culvert n=0.013 L=162.6' S=0.0155 ' Outflow=4.40 cfs 16,040 cf |
| Pond D30: DMH #30 | Peak Elev=210.11' Inflow=0.31 cfs 1,095 cf 12.0" Round Culvert n=0.013 L=210.6' S=0.0069 ' Outflow=0.31 cfs 1,095 cf |
| Pond D31: DMH #31 | Peak Elev=210.20' Inflow=6.17 cfs 20,605 cf 24.0" Round Culvert n=0.013 L=172.9' S=0.0050 ' Outflow=6.17 cfs 20,605 cf |
| Pond D32: DMH #32 | Peak Elev=209.19' Inflow=6.17 cfs 20,605 cf 24.0" Round Culvert n=0.013 L=145.3' S=0.0050 ' Outflow=6.17 cfs 20,605 cf |
| Pond D33: DMH #33 | Peak Elev=214.02' Inflow=3.46 cfs 11,544 cf 18.0" Round Culvert n=0.013 L=239.6' S=0.0151 ' Outflow=3.46 cfs 11,544 cf |
| Pond D34: DMH #34 | Peak Elev=217.53' Inflow=2.41 cfs 7,912 cf 15.0" Round Culvert n=0.013 L=197.2' S=0.0165 ' Outflow=2.41 cfs 7,912 cf |
| Pond D35: DMH #35 | Peak Elev=220.13' Inflow=1.04 cfs 3,462 cf 15.0" Round Culvert n=0.013 L=119.8' S=0.0184 ' Outflow=1.04 cfs 3,462 cf |
| Pond D36: DMH #36 | Peak Elev=221.64' Inflow=0.30 cfs 1,011 cf 12.0" Round Culvert n=0.013 L=183.7' S=0.0073 ' Outflow=0.30 cfs 1,011 cf |
| Pond D37: DMH #37 | Peak Elev=199.25' Inflow=5.21 cfs 15,219 cf 18.0" Round Culvert n=0.013 L=91.7' S=0.0050 ' Outflow=5.21 cfs 15,219 cf |
| Pond D38: DMH #38 | Peak Elev=198.13' Inflow=5.42 cfs 15,820 cf 24.0" Round Culvert n=0.013 L=96.5' S=0.0050 ' Outflow=5.42 cfs 15,820 cf |
| Pond D39: DMH #39 | Peak Elev=196.91' Inflow=0.31 cfs 1,023 cf 12.0" Round Culvert n=0.013 L=94.6' S=0.0050 ' Outflow=0.31 cfs 1,023 cf |
| Pond D4: DMH#4 | Peak Elev=212.10' Inflow=2.29 cfs 8,290 cf 18.0" Round Culvert n=0.013 L=207.6' S=0.0146 ' Outflow=2.29 cfs 8,290 cf |
| Pond D5: DMH#5 | Peak Elev=214.44' Inflow=1.78 cfs 6,544 cf 15.0" Round Culvert n=0.013 L=131.1' S=0.0137 ' Outflow=1.78 cfs 6,544 cf |
| Pond D6: DMH #6 | Peak Elev=209.37' Inflow=1.24 cfs 4,236 cf 18.0" Round Culvert n=0.013 L=118.1' S=0.0050 ' Outflow=1.24 cfs 4,236 cf |
| Pond D7: DMH #7 | Peak Elev=208.76' Inflow=1.70 cfs 5,707 cf 18.0" Round Culvert n=0.013 L=302.5' S=0.0050 ' Outflow=1.70 cfs 5,707 cf |
| Pond D8: DMH #8 | Peak Elev=207.25' Inflow=3.01 cfs 9,984 cf 18.0" Round Culvert n=0.013 L=91.3' S=0.0055 ' Outflow=3.01 cfs 9,984 cf |
| Pond D9: DMH #9 | Peak Elev=207.38' Inflow=0.51 cfs 1,663 cf 12.0" Round Culvert n=0.013 L=277.2' S=0.0152 ' Outflow=0.51 cfs 1,663 cf |
| Pond DE1: DRIP #1 | Peak Elev=223.88' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |

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| Pond DE10: DRIP #10 | Peak Elev=213.17' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE11: DRIP #11 | Peak Elev=212.50' Storage=245 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 775 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 1,000 cf |
| Pond DE12: DRIP #12 | Peak Elev=211.80' Storage=245 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 775 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 1,000 cf |
| Pond DE13: DRIP #13 | Peak Elev=210.87' Storage=203 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 654 cf Primary=0.15 cfs 196 cf Outflow=0.16 cfs 851 cf |
| Pond DE14: DRIP #14 | Peak Elev=210.16' Storage=190 cf Inflow=0.21 cfs 719 cf Discarded=0.01 cfs 598 cf Primary=0.09 cfs 120 cf Outflow=0.10 cfs 718 cf |
| Pond DE15: DRIP #15 | Peak Elev=209.67' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE16: DRIP #16 | Peak Elev=208.81' 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 DE17: DRIP #17 | Peak Elev=207.97' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE18: DRIP #18 | Peak Elev=207.11' 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 DE19: DRIP #19 | Peak Elev=206.27' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE2: DRIP #2 | Peak Elev=223.49' 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 DE20: DRIP #20 | Peak Elev=205.33' Storage=190 cf Inflow=0.26 cfs 891 cf Discarded=0.06 cfs 874 cf Primary=0.02 cfs 17 cf Outflow=0.08 cfs 891 cf |
| Pond DE21: DRIP #21 | Peak Elev=204.05' Storage=123 cf Inflow=0.20 cfs 683 cf Discarded=0.06 cfs 684 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 684 cf |
| Pond DE22: DRIP #22 | Peak Elev=203.46' Storage=101 cf Inflow=0.18 cfs 597 cf Discarded=0.06 cfs 597 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 597 cf |
| Pond DE23: DRIP #23 | Peak Elev=204.02' Storage=121 cf Inflow=0.19 cfs 630 cf Discarded=0.05 cfs 630 cf Primary=0.00 cfs 0 cf Outflow=0.05 cfs 630 cf |
| Pond DE24: DRIP #24 | Peak Elev=204.25' Storage=201 cf Inflow=0.27 cfs 900 cf Discarded=0.06 cfs 900 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 900 cf |
| Pond DE25: DRIP #25 | Peak Elev=205.50' Storage=210 cf Inflow=0.24 cfs 802 cf Discarded=0.02 cfs 641 cf Primary=0.11 cfs 161 cf Outflow=0.13 cfs 802 cf |

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| Pond DE26: DRIP #26 | Peak Elev=206.08' Storage=196 cf Inflow=0.19 cfs 631 cf Discarded=0.02 cfs 569 cf Primary=0.05 cfs 62 cf Outflow=0.06 cfs 631 cf |
| Pond DE27: DRIP #27 | Peak Elev=206.98' Storage=95 cf Inflow=0.20 cfs 647 cf Discarded=0.01 cfs 446 cf Primary=0.15 cfs 200 cf Outflow=0.17 cfs 647 cf |
| Pond DE28: DRIP #28 | Peak Elev=208.01' Storage=247 cf Inflow=0.29 cfs 1,026 cf Discarded=0.02 cfs 792 cf Primary=0.16 cfs 233 cf Outflow=0.18 cfs 1,025 cf |
| Pond DE29: DRIP #29 | Peak Elev=207.99' Storage=152 cf Inflow=0.25 cfs 873 cf Discarded=0.02 cfs 604 cf Primary=0.19 cfs 269 cf Outflow=0.21 cfs 873 cf |
| Pond DE3: DRIP #3 | Peak Elev=221.86' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE30: DRIP #30 | Peak Elev=208.77' Storage=203 cf Inflow=0.29 cfs 1,026 cf Discarded=0.02 cfs 734 cf Primary=0.20 cfs 291 cf Outflow=0.22 cfs 1,025 cf |
| Pond DE31: DRIP #31 | Peak Elev=209.40' Storage=245 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 775 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 1,000 cf |
| Pond DE32: DRIP #32 | Peak Elev=210.37' Storage=203 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 654 cf Primary=0.15 cfs 196 cf Outflow=0.16 cfs 851 cf |
| Pond DE33: DRIP #33 | Peak Elev=211.17' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE34: DRIP #34 | Peak Elev=212.17' Storage=218 cf Inflow=0.26 cfs 891 cf Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf |
| Pond DE35: DRIP #35 | Peak Elev=212.77' Storage=203 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 654 cf Primary=0.15 cfs 196 cf Outflow=0.16 cfs 851 cf |
| Pond DE36: DRIP #36 | Peak Elev=213.60' Storage=245 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 775 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 1,000 cf |
| Pond DE37: DRIP #37 | Peak Elev=213.80' Storage=245 cf Inflow=0.29 cfs 1,000 cf Discarded=0.02 cfs 775 cf Primary=0.16 cfs 225 cf Outflow=0.18 cfs 1,000 cf |
| Pond DE38: DRIP #39 | Peak Elev=213.37' Storage=203 cf Inflow=0.25 cfs 851 cf Discarded=0.02 cfs 654 cf Primary=0.15 cfs 196 cf Outflow=0.16 cfs 851 cf |
| Pond DE39: DRIP #39 | 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 DE4: DRIP #4 | Peak Elev=219.88' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 760 cf Primary=0.15 cfs 214 cf Outflow=0.17 cfs 974 cf |
| Pond DE40: DRIP #40 | Peak Elev=213.95' Storage=188 cf Inflow=0.20 cfs 682 cf Discarded=0.01 cfs 575 cf Primary=0.08 cfs 107 cf Outflow=0.09 cfs 682 cf |
| Pond DE41: DRIP #41 | Peak Elev=212.76' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |

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| Pond DE42: DRIP #42 | Peak Elev=211.76' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE43: DRIP #43 | Peak Elev=209.09' 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 DE44: DRIP #44 | Peak Elev=208.75' Storage=188 cf Inflow=0.20 cfs 682 cf Discarded=0.01 cfs 575 cf Primary=0.08 cfs 107 cf Outflow=0.09 cfs 682 cf |
| Pond DE45: DRIP #45 | Peak Elev=209.25' Storage=216 cf Inflow=0.26 cfs 868 cf Discarded=0.02 cfs 680 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 868 cf |
| Pond DE46: DRIP #46 | Peak Elev=209.38' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |
| Pond DE47: DRIP #47 | Peak Elev=209.36' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE48: DRIP #48 | Peak Elev=210.45' Storage=216 cf Inflow=0.26 cfs 868 cf Discarded=0.02 cfs 680 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 868 cf |
| Pond DE49: DRIP #49 | Peak Elev=211.08' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |
| Pond DE5: DRIP #5 | Peak Elev=219.86' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE50: DRIP #50 | Peak Elev=212.36' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE51: DRIP #51 | Peak Elev=213.18' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |
| Pond DE52: DRIP #52 | Peak Elev=214.08' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |
| Pond DE53: DRIP #53 | Peak Elev=214.85' Storage=216 cf Inflow=0.26 cfs 868 cf Discarded=0.02 cfs 680 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 868 cf |
| Pond DE54: DRIP #54 | Peak Elev=215.76' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE55: DRIP #55 | Peak Elev=216.68' Storage=244 cf Inflow=0.29 cfs 974 cf Discarded=0.02 cfs 759 cf Primary=0.15 cfs 215 cf Outflow=0.17 cfs 974 cf |
| Pond DE56: DRIP #56 | Peak Elev=217.86' Storage=202 cf Inflow=0.24 cfs 829 cf Discarded=0.02 cfs 641 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 829 cf |
| Pond DE57: DRIP #57 | Peak Elev=218.75' Storage=188 cf Inflow=0.20 cfs 682 cf Discarded=0.01 cfs 575 cf Primary=0.08 cfs 107 cf Outflow=0.09 cfs 682 cf |

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Pond DE58: DRIP #58Peak Elev=218.69' 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 DE59: DRIP #59**Peak Elev=217.50' Storage=198 cf Inflow=0.20 cfs 665 cf
Discarded=0.02 cfs 590 cf Primary=0.06 cfs 75 cf Outflow=0.07 cfs 665 cf**Pond DE6: DRIP #6**Peak Elev=212.37' Storage=218 cf Inflow=0.26 cfs 891 cf
Discarded=0.02 cfs 694 cf Primary=0.15 cfs 197 cf Outflow=0.16 cfs 891 cf**Pond DE60: DRIP #60**Peak Elev=216.15' Storage=216 cf Inflow=0.26 cfs 868 cf
Discarded=0.02 cfs 680 cf Primary=0.14 cfs 188 cf Outflow=0.16 cfs 868 cf**Pond DE61: DRIP #61**Peak Elev=213.31' Storage=193 cf Inflow=0.45 cfs 1,546 cf
Discarded=0.03 cfs 968 cf Primary=0.38 cfs 578 cf Outflow=0.40 cfs 1,546 cf**Pond DE62: DRIP #62**Peak Elev=211.61' Storage=193 cf Inflow=0.45 cfs 1,546 cf
Discarded=0.03 cfs 968 cf Primary=0.38 cfs 578 cf Outflow=0.40 cfs 1,546 cf**Pond DE63: DRIP #63**Peak Elev=213.31' Storage=193 cf Inflow=0.45 cfs 1,546 cf
Discarded=0.03 cfs 968 cf Primary=0.38 cfs 578 cf Outflow=0.40 cfs 1,546 cf**Pond DE64: DRIP #64**Peak Elev=209.14' Storage=351 cf Inflow=0.63 cfs 2,196 cf
Discarded=0.03 cfs 1,420 cf Primary=0.48 cfs 776 cf Outflow=0.52 cfs 2,195 cf**Pond DE65: DRIP #65**Peak Elev=208.45' Storage=155 cf Inflow=0.36 cfs 1,253 cf
Discarded=0.02 cfs 810 cf Primary=0.31 cfs 442 cf Outflow=0.33 cfs 1,252 cf**Pond DE66: DRIP #66**Peak Elev=206.92' Storage=194 cf Inflow=0.46 cfs 1,586 cf
Discarded=0.03 cfs 992 cf Primary=0.38 cfs 594 cf Outflow=0.41 cfs 1,586 cf**Pond DE67: DRIP #67**Peak Elev=205.02' Storage=194 cf Inflow=0.46 cfs 1,586 cf
Discarded=0.03 cfs 992 cf Primary=0.38 cfs 594 cf Outflow=0.41 cfs 1,586 cf**Pond DE68: DRIP #68**Peak Elev=206.03' Storage=196 cf Inflow=0.47 cfs 1,711 cf
Discarded=0.03 cfs 1,079 cf Primary=0.40 cfs 631 cf Outflow=0.42 cfs 1,710 cf**Pond DE69: DRIP #69**Peak Elev=206.02' Storage=194 cf Inflow=0.46 cfs 1,586 cf
Discarded=0.03 cfs 992 cf Primary=0.38 cfs 594 cf Outflow=0.41 cfs 1,586 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=206.92' Storage=194 cf Inflow=0.46 cfs 1,586 cf
Discarded=0.03 cfs 992 cf Primary=0.38 cfs 594 cf Outflow=0.41 cfs 1,586 cf**Pond DE71: DRIP #71**Peak Elev=207.25' Storage=281 cf Inflow=0.63 cfs 2,196 cf
Discarded=0.03 cfs 1,347 cf Primary=0.49 cfs 848 cf Outflow=0.52 cfs 2,195 cf**Pond DE8: DRIP #8**Peak Elev=213.47' Storage=203 cf Inflow=0.25 cfs 851 cf
Discarded=0.02 cfs 654 cf Primary=0.15 cfs 196 cf Outflow=0.16 cfs 851 cf**Pond DE9: DRIP #9**Peak Elev=213.61' Storage=309 cf Inflow=0.29 cfs 1,000 cf
Discarded=0.03 cfs 912 cf Primary=0.06 cfs 87 cf Outflow=0.09 cfs 1,000 cf

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Pond DEB1: DRIP #B1 Peak Elev=203.43' Storage=1,173 cf Inflow=1.92 cfs 6,727 cf
Discarded=0.39 cfs 6,126 cf Primary=0.51 cfs 601 cf Outflow=0.90 cfs 6,727 cf

Pond DEB2: DRIP #B2 Peak Elev=203.97' Storage=1,359 cf Inflow=1.87 cfs 6,547 cf
Discarded=0.10 cfs 4,295 cf Primary=1.16 cfs 2,251 cf Outflow=1.26 cfs 6,546 cf

Pond DEB3: DRIP #B3 Peak Elev=202.72' Storage=901 cf Inflow=1.88 cfs 6,482 cf
Discarded=0.35 cfs 5,386 cf Primary=0.84 cfs 1,096 cf Outflow=1.19 cfs 6,482 cf

Pond DEB4: DRIP #B4 Peak Elev=202.70' Storage=922 cf Inflow=1.89 cfs 6,616 cf
Discarded=0.36 cfs 5,573 cf Primary=0.81 cfs 1,043 cf Outflow=1.18 cfs 6,616 cf

Pond DECH: DRIP #CH Peak Elev=204.24' Storage=318 cf Inflow=0.55 cfs 1,913 cf
Discarded=0.04 cfs 1,266 cf Primary=0.32 cfs 646 cf Outflow=0.35 cfs 1,912 cf

Pond P204: STORMTECH INFILTRATION Peak Elev=195.63' Storage=3,456 cf Inflow=3.73 cfs 11,522 cf
Discarded=0.22 cfs 7,477 cf Primary=1.40 cfs 4,043 cf Outflow=1.62 cfs 11,520 cf

Pond P205: INFILTRATION POND #5 Peak Elev=197.31' Storage=12,536 cf Inflow=9.22 cfs 46,200 cf
Discarded=0.38 cfs 17,125 cf Primary=4.69 cfs 24,014 cf Outflow=5.07 cfs 41,139 cf

Pond P206: INFILTRATION POND #4 Peak Elev=196.52' Storage=4,847 cf Inflow=5.64 cfs 18,720 cf
Discarded=1.04 cfs 17,864 cf Primary=0.50 cfs 853 cf Outflow=1.54 cfs 18,717 cf

Pond P207: INFILTRATION POND #3 Peak Elev=193.95' Storage=22,967 cf Inflow=15.48 cfs 53,081 cf
Discarded=0.75 cfs 39,278 cf Primary=1.02 cfs 8,097 cf Outflow=1.76 cfs 47,375 cf

Pond P210: INFILTRATION POND #1 Peak Elev=205.24' Storage=7,627 cf Inflow=8.43 cfs 27,220 cf
Discarded=0.39 cfs 17,732 cf Primary=4.36 cfs 9,501 cf Outflow=4.74 cfs 27,234 cf

Pond P212: INFILTRATION POND #2 Peak Elev=202.47' Storage=19,679 cf Inflow=8.29 cfs 36,497 cf
Discarded=0.62 cfs 28,100 cf Primary=0.00 cfs 0 cf Outflow=0.62 cfs 28,100 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.57 cfs 1,814 cf
Primary=0.57 cfs 1,814 cf

Link AP2: ANALYSIS POINT 2 Inflow=19.60 cfs 153,540 cf
Primary=19.60 cfs 153,540 cf

Link AP3: ANALYSIS POINT 3 Inflow=2.96 cfs 8,782 cf
Primary=2.96 cfs 8,782 cf

Link AP4: ANALYSIS POINT #4 Inflow=28.12 cfs 184,880 cf
Primary=28.12 cfs 184,880 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 579,488 cf Average Runoff Depth = 2.69"
74.35% Pervious = 1,919,618 sf 25.65% Impervious = 662,127 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 1.92 cfs @ 12.09 hrs, Volume= 6,727 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 |
|-----------|----|-------------------------------|
| 15,945 | 98 | Roofs, HSG D |
| 2,035 | 80 | >75% Grass cover, Good, HSG D |
| 17,980 | 96 | Weighted Average |
| 2,035 | | 11.32% Pervious Area |
| 15,945 | | 88.68% 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 = 1.87 cfs @ 12.09 hrs, Volume= 6,547 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 |
|-----------|----|-------------------------------|
| 15,778 | 98 | Roofs, HSG D |
| 1,720 | 80 | >75% Grass cover, Good, HSG D |
| 17,498 | 96 | Weighted Average |
| 1,720 | | 9.83% Pervious Area |
| 15,778 | | 90.17% Impervious Area |

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

Summary for Subcatchment B3: MULTIFAMILY BLDG #3

Runoff = 1.88 cfs @ 12.09 hrs, Volume= 6,482 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,144 | 98 | Roofs, HSG A |
| 461 | 39 | >75% Grass cover, Good, HSG A |
| 11,799 | 98 | Roofs, HSG D |
| 1,368 | 80 | >75% Grass cover, Good, HSG D |
| 17,772 | 95 | Weighted Average |
| 1,829 | | 10.29% Pervious Area |
| 15,943 | | 89.71% Impervious Area |

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

Summary for Subcatchment B4: MULTIFAMILY BLDG #4

Runoff = 1.89 cfs @ 12.09 hrs, Volume= 6,616 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 |
|-----------|----|-------------------------------|
| 77 | 98 | Roofs, HSG A |
| 33 | 39 | >75% Grass cover, Good, HSG A |
| 15,701 | 98 | Roofs, HSG D |
| 1,871 | 80 | >75% Grass cover, Good, HSG D |
| 17,682 | 96 | Weighted Average |
| 1,904 | | 10.77% Pervious Area |
| 15,778 | | 89.23% 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 = 0.63 cfs @ 12.12 hrs, Volume= 2,153 cf, Depth> 2.41"

Runoff 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 |
|-----------|----|-------------------------------|
| 6,654 | 61 | >75% Grass cover, Good, HSG B |
| 4,052 | 98 | Paved parking, HSG B |
| 10,706 | 75 | Weighted Average |
| 6,654 | | 62.15% Pervious Area |
| 4,052 | | 37.85% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.2 | 10 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 35 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 8.5 | 95 | Total | | | |

Summary for Subcatchment C10: CB #44

Runoff = 0.60 cfs @ 12.09 hrs, Volume= 2,160 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 |
|-----------|----|-------------------------|
| 4,687 | 98 | Paved parking, HSG C |
| 805 | 98 | Paved parking, HSG D |
| 5,492 | 98 | Weighted Average |
| 5,492 | | 100.00% Impervious Area |

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

Summary for Subcatchment C11: CB #47

Runoff = 0.22 cfs @ 12.09 hrs, Volume= 700 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 |
|-----------|----|-------------------------------|
| 1,095 | 74 | >75% Grass cover, Good, HSG C |
| 1,286 | 98 | Paved parking, HSG C |
| 2,381 | 87 | Weighted Average |
| 1,095 | | 45.99% Pervious Area |
| 1,286 | | 54.01% 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 C12: CB #48

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 771 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 |
|-----------|----|-------------------------------|
| 893 | 74 | >75% Grass cover, Good, HSG C |
| 1,587 | 98 | Paved parking, HSG C |
| 2,480 | 89 | Weighted Average |
| 893 | | 36.01% Pervious Area |
| 1,587 | | 63.99% Impervious Area |

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

Summary for Subcatchment C13: CB #49

Runoff = 0.63 cfs @ 12.09 hrs, Volume= 2,040 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 |
|-----------|----|-------------------------------|
| 3,091 | 74 | >75% Grass cover, Good, HSG C |
| 3,851 | 98 | Paved parking, HSG C |
| 6,942 | 87 | Weighted Average |
| 3,091 | | 44.53% Pervious Area |
| 3,851 | | 55.47% Impervious Area |

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

Summary for Subcatchment C14: CB #50

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,237 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 |
|-----------|----|-------------------------------|
| 2,319 | 74 | >75% Grass cover, Good, HSG C |
| 4,680 | 98 | Paved parking, HSG C |
| 6,999 | 90 | Weighted Average |
| 2,319 | | 33.13% Pervious Area |
| 4,680 | | 66.87% 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 C15: CB #15

Runoff = 0.30 cfs @ 12.09 hrs, Volume= 978 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 |
|-----------|----|-------------------------------|
| 1,335 | 74 | >75% Grass cover, Good, HSG C |
| 1,900 | 98 | Paved parking, HSG C |
| 3,235 | 88 | Weighted Average |
| 1,335 | | 41.27% Pervious Area |
| 1,900 | | 58.73% 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 = 0.21 cfs @ 12.09 hrs, Volume= 685 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 |
|-----------|----|-------------------------------|
| 587 | 74 | >75% Grass cover, Good, HSG C |
| 1,500 | 98 | Paved parking, HSG C |
| 2,087 | 91 | Weighted Average |
| 587 | | 28.13% Pervious Area |
| 1,500 | | 71.87% Impervious Area |

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

Summary for Subcatchment C17: CB #17

Runoff = 0.91 cfs @ 12.09 hrs, Volume= 2,937 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,896 | 74 | >75% Grass cover, Good, HSG C |
| 5,818 | 98 | Paved parking, HSG C |
| 9,714 | 88 | Weighted Average |
| 3,896 | | 40.11% Pervious Area |
| 5,818 | | 59.89% 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 = 0.89 cfs @ 12.09 hrs, Volume= 2,929 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 |
|-----------|----|-------------------------------|
| 3,142 | 74 | >75% Grass cover, Good, HSG C |
| 6,023 | 98 | Paved parking, HSG C |
| 9,165 | 90 | Weighted Average |
| 3,142 | | 34.28% Pervious Area |
| 6,023 | | 65.72% Impervious Area |

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

Summary for Subcatchment C19: CB #19

Runoff = 0.65 cfs @ 12.09 hrs, Volume= 2,089 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 |
|-----------|----|-------------------------------|
| 2,957 | 74 | >75% Grass cover, Good, HSG C |
| 3,953 | 98 | Paved parking, HSG C |
| 6,910 | 88 | Weighted Average |
| 2,957 | | 42.79% Pervious Area |
| 3,953 | | 57.21% 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 C2: CB #2

Runoff = 2.15 cfs @ 12.09 hrs, Volume= 7,117 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 |
|-----------|----|-------------------------------|
| 4,319 | 61 | >75% Grass cover, Good, HSG B |
| 16,432 | 98 | Paved parking, HSG B |
| 392 | 98 | Roofs, HSG D |
| 531 | 98 | Paved parking, HSG D |
| 21,674 | 91 | Weighted Average |
| 4,319 | | 19.93% Pervious Area |
| 17,355 | | 80.07% 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 = 0.81 cfs @ 12.09 hrs, Volume= 2,710 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 |
|-----------|----|-------------------------------|
| 2,145 | 74 | >75% Grass cover, Good, HSG C |
| 5,889 | 98 | Paved parking, HSG C |
| 8,034 | 92 | Weighted Average |
| 2,145 | | 26.70% Pervious Area |
| 5,889 | | 73.30% 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 = 0.92 cfs @ 12.09 hrs, Volume= 3,052 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"

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Type III 24-hr 10YR Rainfall=4.96"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 790 | 39 | >75% Grass cover, Good, HSG A |
| 5,569 | 98 | Paved parking, HSG A |
| 392 | 98 | Roofs, HSG A |
| 803 | 74 | >75% Grass cover, Good, HSG C |
| 1,739 | 98 | Paved parking, HSG C |
| 9,293 | 91 | Weighted Average |
| 1,593 | | 17.14% Pervious Area |
| 7,700 | | 82.86% Impervious Area |

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

Summary for Subcatchment C22: CB #22

Runoff = 0.95 cfs @ 12.09 hrs, Volume= 3,058 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 |
|-----------|----|-------------------------------|
| 1,806 | 39 | >75% Grass cover, Good, HSG A |
| 7,407 | 98 | Paved parking, HSG A |
| 147 | 74 | >75% Grass cover, Good, HSG C |
| 1,043 | 98 | Paved parking, HSG C |
| 10,403 | 87 | Weighted Average |
| 1,953 | | 18.77% Pervious Area |
| 8,450 | | 81.23% 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 = 1.97 cfs @ 12.09 hrs, Volume= 6,509 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 |
|-----------|----|-------------------------------|
| 2,167 | 39 | >75% Grass cover, Good, HSG A |
| 15,545 | 98 | Paved parking, HSG A |
| 996 | 80 | >75% Grass cover, Good, HSG D |
| 1,114 | 98 | Paved parking, HSG D |
| 19,822 | 91 | Weighted Average |
| 3,163 | | 15.96% Pervious Area |
| 16,659 | | 84.04% 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 C24: CB #24

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 876 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 | 39 | >75% Grass cover, Good, HSG A |
| 1,173 | 98 | Paved parking, HSG A |
| 729 | 98 | Roofs, HSG A |
| 321 | 98 | Paved parking, HSG D |
| 2,226 | 98 | Weighted Average |
| 3 | | 0.13% Pervious Area |
| 2,223 | | 99.87% 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 = 0.24 cfs @ 12.09 hrs, Volume= 885 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 |
|-----------|----|-------------------------|
| 1,421 | 98 | Paved parking, HSG A |
| 299 | 98 | Paved parking, HSG C |
| 529 | 98 | Paved parking, HSG D |
| 2,249 | 98 | Weighted Average |
| 2,249 | | 100.00% 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 = 0.33 cfs @ 12.09 hrs, Volume= 1,135 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4 | 39 | >75% Grass cover, Good, HSG A |
| 895 | 98 | Paved parking, HSG A |
| 686 | 80 | >75% Grass cover, Good, HSG D |
| 1,609 | 98 | Paved parking, HSG D |
| 3,194 | 94 | Weighted Average |
| 690 | | 21.60% Pervious Area |
| 2,504 | | 78.40% Impervious Area |

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

Summary for Subcatchment C27: CB #27

Runoff = 1.40 cfs @ 12.09 hrs, Volume= 4,815 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 |
|-----------|----|-------------------------------|
| 1,513 | 74 | >75% Grass cover, Good, HSG C |
| 4,982 | 98 | Paved parking, HSG C |
| 6,705 | 98 | Paved parking, HSG D |
| 13,200 | 95 | Weighted Average |
| 1,513 | | 11.46% Pervious Area |
| 11,687 | | 88.54% 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 = 1.88 cfs @ 12.09 hrs, Volume= 6,252 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 |
|-----------|----|-------------------------------|
| 1,630 | 74 | >75% Grass cover, Good, HSG C |
| 3,245 | 98 | Paved parking, HSG C |
| 4,081 | 80 | >75% Grass cover, Good, HSG D |
| 9,580 | 98 | Paved parking, HSG D |
| 18,536 | 92 | Weighted Average |
| 5,711 | | 30.81% Pervious Area |
| 12,825 | | 69.19% 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 C29: CB #29

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 603 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 |
|-----------|----|-------------------------------|
| 534 | 74 | >75% Grass cover, Good, HSG C |
| 1,303 | 98 | Paved parking, HSG C |
| 1,837 | 91 | Weighted Average |
| 534 | | 29.07% Pervious Area |
| 1,303 | | 70.93% 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 = 1.01 cfs @ 12.09 hrs, Volume= 3,281 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 |
|-----------|----|-------------------------------|
| 2,813 | 61 | >75% Grass cover, Good, HSG B |
| 8,040 | 98 | Paved parking, HSG B |
| 10,853 | 88 | Weighted Average |
| 2,813 | | 25.92% Pervious Area |
| 8,040 | | 74.08% 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 = 0.55 cfs @ 12.09 hrs, Volume= 1,770 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"

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Type III 24-hr 10YR Rainfall=4.96"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,793 | 74 | >75% Grass cover, Good, HSG C |
| 3,230 | 98 | Paved parking, HSG C |
| 6,023 | 87 | Weighted Average |
| 2,793 | | 46.37% Pervious Area |
| 3,230 | | 53.63% Impervious Area |

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

Summary for Subcatchment C31: CB #31

Runoff = 1.43 cfs @ 12.09 hrs, Volume= 4,996 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 |
|-----------|----|-------------------------------|
| 634 | 74 | >75% Grass cover, Good, HSG C |
| 2,972 | 98 | Paved parking, HSG C |
| 764 | 80 | >75% Grass cover, Good, HSG D |
| 8,982 | 98 | Paved parking, HSG D |
| 13,352 | 96 | Weighted Average |
| 1,398 | | 10.47% Pervious Area |
| 11,954 | | 89.53% 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 = 1.55 cfs @ 12.09 hrs, Volume= 5,138 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 |
|-----------|----|-------------------------------|
| 4,858 | 74 | >75% Grass cover, Good, HSG C |
| 6,672 | 98 | Paved parking, HSG C |
| 26 | 80 | >75% Grass cover, Good, HSG D |
| 4,091 | 98 | Paved parking, HSG D |
| 15,647 | 91 | Weighted Average |
| 4,884 | | 31.21% Pervious Area |
| 10,763 | | 68.79% 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 C33: CB #33

Runoff = 1.09 cfs @ 12.09 hrs, Volume= 3,724 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 |
|-----------|----|-------------------------------|
| 2,168 | 80 | >75% Grass cover, Good, HSG D |
| 8,307 | 98 | Paved parking, HSG D |
| 10,475 | 94 | Weighted Average |
| 2,168 | | 20.70% Pervious Area |
| 8,307 | | 79.30% Impervious Area |

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

Summary for Subcatchment C34: CB #34

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 3,061 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 |
|-----------|----|-------------------------------|
| 312 | 80 | >75% Grass cover, Good, HSG D |
| 5,678 | 98 | Paved parking, HSG D |
| 1,988 | 98 | Roofs, HSG D |
| 7,978 | 97 | Weighted Average |
| 312 | | 3.91% Pervious Area |
| 7,666 | | 96.09% 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 = 0.74 cfs @ 12.09 hrs, Volume= 2,482 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 |
|-----------|----|-------------------------------|
| 1,925 | 80 | >75% Grass cover, Good, HSG D |
| 5,243 | 98 | Paved parking, HSG D |
| 7,168 | 93 | Weighted Average |
| 1,925 | | 26.86% Pervious Area |
| 5,243 | | 73.14% 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 = 0.58 cfs @ 12.09 hrs, Volume= 2,100 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 |
|-----------|----|-------------------------------|
| 132 | 80 | >75% Grass cover, Good, HSG D |
| 5,206 | 98 | Paved parking, HSG D |
| 5,338 | 98 | Weighted Average |
| 132 | | 2.47% Pervious Area |
| 5,206 | | 97.53% Impervious Area |

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

Summary for Subcatchment C37: CB #37

Runoff = 0.43 cfs @ 12.09 hrs, Volume= 1,468 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 |
|-----------|----|-------------------------------|
| 962 | 80 | >75% Grass cover, Good, HSG D |
| 3,168 | 98 | Paved parking, HSG D |
| 4,130 | 94 | Weighted Average |
| 962 | | 23.29% Pervious Area |
| 3,168 | | 76.71% 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 C38: CB #38

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 964 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 |
|-----------|----|-------------------------|
| 2,450 | 98 | Paved parking, HSG D |
| 2,450 | | 100.00% Impervious Area |

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

Summary for Subcatchment C39: CB #39

Runoff = 2.07 cfs @ 12.09 hrs, Volume= 6,839 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 |
|-----------|----|-------------------------------|
| 7,541 | 80 | >75% Grass cover, Good, HSG D |
| 12,710 | 98 | Paved parking, HSG D |
| 576 | 98 | Roofs, HSG D |
| 20,827 | 91 | Weighted Average |
| 7,541 | | 36.21% Pervious Area |
| 13,286 | | 63.79% 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 = 1.22 cfs @ 12.15 hrs, Volume= 4,469 cf, Depth> 2.50"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 12,820 | 61 | >75% Grass cover, Good, HSG B |
| 8,652 | 98 | Paved parking, HSG B |
| 21,472 | 76 | Weighted Average |
| 12,820 | | 59.71% Pervious Area |
| 8,652 | | 40.29% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.7 | 40 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 285 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 10.7 | 375 | Total | | | |

Summary for Subcatchment C40: CB #40

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,911 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 |
|-----------|----|-------------------------------|
| 356 | 80 | >75% Grass cover, Good, HSG D |
| 4,624 | 98 | Paved parking, HSG D |
| 4,980 | 97 | Weighted Average |
| 356 | | 7.15% Pervious Area |
| 4,624 | | 92.85% 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 = 0.58 cfs @ 12.09 hrs, Volume= 1,999 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 |
|-----------|----|-------------------------------|
| 821 | 80 | >75% Grass cover, Good, HSG D |
| 4,659 | 98 | Paved parking, HSG D |
| 5,480 | 95 | Weighted Average |
| 821 | | 14.98% Pervious Area |
| 4,659 | | 85.02% 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 C42: CB #42

Runoff = 3.92 cfs @ 12.11 hrs, Volume= 13,080 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 |
|-----------|----|-------------------------------|
| 1,274 | 39 | >75% Grass cover, Good, HSG A |
| 42,220 | 80 | >75% Grass cover, Good, HSG D |
| 8,142 | 98 | Paved parking, HSG D |
| 51,636 | 82 | Weighted Average |
| 43,494 | | 84.23% Pervious Area |
| 8,142 | | 15.77% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 3.9 | 50 | 0.0500 | 0.22 | | Sheet Flow, Grass: Short n= 0.150 P2= 3.27" |
| 0.4 | 40 | 0.0500 | 1.57 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 3.5 | 210 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 7.8 | 300 | Total | | | |

Summary for Subcatchment C43: CB #43

Runoff = 0.57 cfs @ 12.09 hrs, Volume= 1,849 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 |
|-----------|----|-------------------------------|
| 2,274 | 74 | >75% Grass cover, Good, HSG C |
| 3,672 | 98 | Paved parking, HSG C |
| 5,946 | 89 | Weighted Average |
| 2,274 | | 38.24% Pervious Area |
| 3,672 | | 61.76% 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 = 0.58 cfs @ 12.09 hrs, Volume= 1,885 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"

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Type III 24-hr 10YR Rainfall=4.96"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,662 | 74 | >75% Grass cover, Good, HSG C |
| 3,574 | 98 | Paved parking, HSG C |
| 6,236 | 88 | Weighted Average |
| 2,662 | | 42.69% Pervious Area |
| 3,574 | | 57.31% 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 = 0.43 cfs @ 12.09 hrs, Volume= 1,459 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 |
|-----------|----|-------------------------------|
| 686 | 74 | >75% Grass cover, Good, HSG C |
| 3,419 | 98 | Paved parking, HSG C |
| 4,105 | 94 | Weighted Average |
| 686 | | 16.71% Pervious Area |
| 3,419 | | 83.29% Impervious Area |

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

Summary for Subcatchment C46: CB #46

Runoff = 0.69 cfs @ 12.09 hrs, Volume= 2,280 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 |
|-----------|----|-------------------------------|
| 2,100 | 74 | >75% Grass cover, Good, HSG C |
| 4,843 | 98 | Paved parking, HSG C |
| 6,943 | 91 | Weighted Average |
| 2,100 | | 30.25% Pervious Area |
| 4,843 | | 69.75% 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 C47: CB #47

Runoff = 0.27 cfs @ 12.09 hrs, Volume= 978 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 |
|-----------|----|-------------------------|
| 2,486 | 98 | Paved parking, HSG C |
| 2,486 | | 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 = 0.39 cfs @ 12.09 hrs, Volume= 1,394 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 |
|-----------|----|-------------------------|
| 3,544 | 98 | Paved parking, HSG C |
| 3,544 | | 100.00% Impervious Area |

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

Summary for Subcatchment C49: CB #49

Runoff = 0.14 cfs @ 12.09 hrs, Volume= 485 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,194 | 98 | Paved parking, HSG C |
| 1,263 | 97 | Weighted Average |
| 69 | | 5.46% Pervious Area |
| 1,194 | | 94.54% 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 C5: CB #5

Runoff = 0.19 cfs @ 12.09 hrs, Volume= 701 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 |
|-----------|----|-------------------------|
| 913 | 98 | Paved parking, HSG B |
| 870 | 98 | Paved parking, HSG D |
| 1,783 | 98 | Weighted Average |
| 1,783 | | 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 = 0.17 cfs @ 12.09 hrs, Volume= 610 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,521 | 98 | Paved parking, HSG C |
| 1,590 | 97 | Weighted Average |
| 69 | | 4.34% Pervious Area |
| 1,521 | | 95.66% Impervious Area |

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

Summary for Subcatchment C51: CB #51

Runoff = 1.01 cfs @ 12.09 hrs, Volume= 3,480 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 |
|-----------|----|-------------------------------|
| 609 | 61 | >75% Grass cover, Good, HSG B |
| 7,760 | 98 | Paved parking, HSG B |
| 125 | 74 | >75% Grass cover, Good, HSG C |
| 1,047 | 98 | Paved parking, HSG C |
| 9,541 | 95 | Weighted Average |
| 734 | | 7.69% Pervious Area |
| 8,807 | | 92.31% 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 C52: CB #52

Runoff = 1.70 cfs @ 12.09 hrs, Volume= 5,581 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 |
|-----------|----|-------------------------------|
| 3,737 | 61 | >75% Grass cover, Good, HSG B |
| 12,747 | 98 | Paved parking, HSG B |
| 127 | 74 | >75% Grass cover, Good, HSG C |
| 851 | 98 | Paved parking, HSG C |
| 17,462 | 90 | Weighted Average |
| 3,864 | | 22.13% Pervious Area |
| 13,598 | | 77.87% Impervious Area |

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

Summary for Subcatchment C53: CB #53

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,262 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 |
|-----------|----|-------------------------------|
| 504 | 61 | >75% Grass cover, Good, HSG B |
| 5,698 | 98 | Paved parking, HSG B |
| 6,202 | 95 | Weighted Average |
| 504 | | 8.13% Pervious Area |
| 5,698 | | 91.87% Impervious Area |

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

Summary for Subcatchment C54: CB #54

Runoff = 0.40 cfs @ 12.09 hrs, Volume= 1,370 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 316 | 61 | >75% Grass cover, Good, HSG B |
| 3,440 | 98 | Paved parking, HSG B |
| 3,756 | 95 | Weighted Average |
| 316 | | 8.41% Pervious Area |
| 3,440 | | 91.59% Impervious Area |

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

Summary for Subcatchment C55: CB #55

Runoff = 1.38 cfs @ 12.10 hrs, Volume= 4,450 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 |
|-----------|----|-------------------------------|
| 10,044 | 61 | >75% Grass cover, Good, HSG B |
| 9,274 | 98 | Paved parking, HSG B |
| 19,318 | 79 | Weighted Average |
| 10,044 | | 51.99% Pervious Area |
| 9,274 | | 48.01% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.8 | 70 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 6.9 | 120 | Total | | | |

Summary for Subcatchment C56: CB #56

Runoff = 0.50 cfs @ 12.09 hrs, Volume= 1,651 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 |
|-----------|----|-------------------------------|
| 1,015 | 61 | >75% Grass cover, Good, HSG B |
| 4,014 | 98 | Paved parking, HSG B |
| 5,029 | 91 | Weighted Average |
| 1,015 | | 20.18% Pervious Area |
| 4,014 | | 79.82% 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 C57: CB #57

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 799 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 |
|-----------|----|-------------------------------|
| 369 | 61 | >75% Grass cover, Good, HSG B |
| 2,001 | 98 | Paved parking, HSG B |
| 2,370 | 92 | Weighted Average |
| 369 | | 15.57% Pervious Area |
| 2,001 | | 84.43% Impervious Area |

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

Summary for Subcatchment C58: CB #58

Runoff = 0.14 cfs @ 12.09 hrs, Volume= 455 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,119 | 98 | Paved parking, HSG B |
| 1,348 | 92 | Weighted Average |
| 229 | | 16.99% Pervious Area |
| 1,119 | | 83.01% Impervious Area |

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

Summary for Subcatchment C59: CB #59

Runoff = 0.17 cfs @ 12.09 hrs, Volume= 557 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,378 | 98 | Paved parking, HSG B |
| 1,607 | 93 | Weighted Average |
| 229 | | 14.25% Pervious Area |
| 1,378 | | 85.75% 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 = 0.33 cfs @ 12.09 hrs, Volume= 1,045 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 |
|-----------|----|-------------------------------|
| 1,084 | 61 | >75% Grass cover, Good, HSG B |
| 1,285 | 98 | Paved parking, HSG B |
| 955 | 98 | Paved parking, HSG D |
| 442 | 80 | >75% Grass cover, Good, HSG D |
| 3,766 | 85 | Weighted Average |
| 1,526 | | 40.52% Pervious Area |
| 2,240 | | 59.48% Impervious Area |

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

Summary for Subcatchment C60: CB #60

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,309 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 |
|-----------|----|-------------------------|
| 3,327 | 98 | Paved parking, HSG D |
| 3,327 | | 100.00% 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 C61: CB #61

Runoff = 0.68 cfs @ 12.09 hrs, Volume= 2,337 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 |
|-----------|----|-------------------------------|
| 965 | 80 | >75% Grass cover, Good, HSG D |
| 5,442 | 98 | Paved parking, HSG D |
| 6,407 | 95 | Weighted Average |
| 965 | | 15.06% Pervious Area |
| 5,442 | | 84.94% Impervious Area |

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

Summary for Subcatchment C62: CB #62

Runoff = 0.50 cfs @ 12.09 hrs, Volume= 1,585 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 |
|-----------|----|-------------------------------|
| 2,010 | 61 | >75% Grass cover, Good, HSG B |
| 3,704 | 98 | Paved parking, HSG B |
| 5,714 | 85 | Weighted Average |
| 2,010 | | 35.18% Pervious Area |
| 3,704 | | 64.82% Impervious Area |

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

Summary for Subcatchment C64: CB #64

Runoff = 0.31 cfs @ 12.10 hrs, Volume= 1,023 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,231 | 39 | >75% Grass cover, Good, HSG A |
| 2,773 | 98 | Paved parking, HSG A |
| 86 | 80 | >75% Grass cover, Good, HSG D |
| 465 | 98 | Paved parking, HSG D |
| 7,555 | 65 | Weighted Average |
| 4,317 | | 57.14% Pervious Area |
| 3,238 | | 42.86% 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 = 0.79 cfs @ 12.09 hrs, Volume= 2,770 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 |
|-----------|----|-------------------------------|
| 376 | 61 | >75% Grass cover, Good, HSG B |
| 7,027 | 98 | Paved parking, HSG B |
| 7,403 | 96 | Weighted Average |
| 376 | | 5.08% Pervious Area |
| 7,027 | | 94.92% Impervious Area |

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

Summary for Subcatchment C8: CB #8

Runoff = 1.04 cfs @ 12.14 hrs, Volume= 3,774 cf, Depth> 3.52"

Runoff 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 |
|-----------|----|-------------------------------|
| 3,838 | 61 | >75% Grass cover, Good, HSG B |
| 9,011 | 98 | Paved parking, HSG B |
| 12,849 | 87 | Weighted Average |
| 3,838 | | 29.87% Pervious Area |
| 9,011 | | 70.13% Impervious Area |

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| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.3 | 80 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 65 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 9.8 | 195 | Total | | | |

Summary for Subcatchment C9: CB #45

Runoff = 0.64 cfs @ 12.09 hrs, Volume= 2,076 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 |
|-----------|----|-------------------------------|
| 3,207 | 74 | >75% Grass cover, Good, HSG C |
| 3,855 | 98 | Paved parking, HSG C |
| 7,062 | 87 | Weighted Average |
| 3,207 | | 45.41% Pervious Area |
| 3,855 | | 54.59% Impervious Area |

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

Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.55 cfs @ 12.09 hrs, Volume= 1,913 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 |
|-----------|----|-------------------------------|
| 4,476 | 98 | Roofs, HSG D |
| 636 | 80 | >75% Grass cover, Good, HSG D |
| 5,112 | 96 | Weighted Average |
| 636 | | 12.44% Pervious Area |
| 4,476 | | 87.56% 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 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H10: SF #10

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

| 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= 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 |

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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 H12: SF #12

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 H13: SF #13

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.21 cfs @ 12.09 hrs, Volume= 719 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG C |
| 268 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 95 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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= 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H16: SF #16

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 H17: SF #17

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.20 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 H19: SF #19

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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 = 0.26 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.20 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"

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Type III 24-hr 10YR Rainfall=4.96"

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| 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 H22: SF #22

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 597 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 |
|-----------|----|-------------------------------|
| 1,631 | 98 | Roofs, HSG A |
| 290 | 39 | >75% Grass cover, Good, HSG A |
| 1,921 | 89 | 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 H23: SF #23

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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG A |
| 268 | 39 | >75% Grass cover, Good, HSG A |
| 1,970 | 90 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H24: SF #24

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 |
| 322 | 39 | >75% Grass cover, Good, HSG A |
| 2,741 | 91 | 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 H25: SF #25

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 802 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 |
|-----------|----|-------------------------------|
| 2,032 | 98 | Roofs, HSG A |
| 283 | 39 | >75% Grass cover, Good, HSG A |
| 121 | 98 | Roofs, HSG C |
| 7 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 91 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.19 cfs @ 12.09 hrs, Volume= 631 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"

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Type III 24-hr 10YR Rainfall=4.96"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 988 | 98 | Roofs, HSG A |
| 207 | 39 | >75% Grass cover, Good, HSG A |
| 643 | 98 | Roofs, HSG C |
| 83 | 74 | >75% Grass cover, Good, HSG C |
| 1,921 | 91 | 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 H27: SF #27

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 647 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 |
|-----------|----|-------------------------------|
| 810 | 98 | Roofs, HSG A |
| 190 | 39 | >75% Grass cover, Good, HSG A |
| 892 | 98 | Roofs, HSG C |
| 78 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 91 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H28: SF #28

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 1,026 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 |
|-----------|----|-------------------------------|
| 683 | 98 | Roofs, HSG C |
| 38 | 74 | >75% Grass cover, Good, HSG C |
| 1,736 | 98 | Roofs, HSG D |
| 284 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H29: SF #29

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 873 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 |
|-----------|----|-------------------------------|
| 424 | 98 | Roofs, HSG C |
| 40 | 74 | >75% Grass cover, Good, HSG C |
| 1,639 | 98 | Roofs, HSG D |
| 230 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 96 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

| 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= 1,026 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 |
|-----------|----|-------------------------------|
| 1,988 | 98 | Roofs, HSG C |
| 175 | 74 | >75% Grass cover, Good, HSG C |
| 431 | 98 | Roofs, HSG D |
| 147 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | 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= 1,000 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 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H33: SF #33

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.26 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H35: SF #35

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H36: SF #36

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 |
| 319 | 74 | >75% Grass cover, Good, HSG C |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 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 H37: SF #37

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 H38: SF #38

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.20 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 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 |
|-----------|----|-------------------------------|
| 2,418 | 98 | Roofs, HSG B |
| 323 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 323 | | 11.78% Pervious Area |
| 2,418 | | 88.22% 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 H40: SF #40

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 682 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H42: SF #42

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,033 | 98 | Roofs, HSG B |
| 202 | 61 | >75% Grass cover, Good, HSG B |
| 30 | 98 | Roofs, HSG D |
| 68 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.19 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 |
| 282 | 61 | >75% Grass cover, Good, HSG B |
| 8 | 80 | >75% Grass cover, Good, HSG D |
| 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 H44: SF #44

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 682 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H45: SF #45

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 868 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.29 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H47: SF #47

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.26 cfs @ 12.09 hrs, Volume= 868 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H49: SF #49

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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, |

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Type III 24-hr 10YR Rainfall=4.96"

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Summary for Subcatchment H5: SF #5

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H50: SF #50

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H51: SF #51

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H52: SF #52

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H53: SF #53

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 868 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H54: SF #54

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H55: SF #55

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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H56: SF #56

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 829 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H57: SF #57

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 682 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H58: SF #58

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 H59: SF #59

Runoff = 0.20 cfs @ 12.09 hrs, Volume= 665 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 1,624 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 7 | 98 | Roofs, HSG D |
| 23 | 80 | >75% Grass cover, Good, HSG D |
| 1,921 | 93 | 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 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H60: SF #60

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 868 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 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 |

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

Summary for Subcatchment S201: ACCESS ROAD APRON

Runoff = 0.57 cfs @ 12.09 hrs, Volume= 1,814 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 |
|-----------|----|-------------------------------|
| 2,218 | 61 | >75% Grass cover, Good, HSG B |
| 4,321 | 98 | Paved parking, HSG B |
| 6,539 | 85 | Weighted Average |
| 2,218 | | 33.92% Pervious Area |
| 4,321 | | 66.08% Impervious Area |

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

Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 18.52 cfs @ 12.30 hrs, Volume= 87,987 cf, Depth> 2.85"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 34,616 | 48 | Brush, Good, HSG B |
| 23,609 | 55 | Woods, Good, HSG B |
| 15,054 | 98 | Paved parking, HSG B |
| 22,380 | 98 | Water Surface, 0% imp, HSG B |
| 102,621 | 68 | 1 acre lots, 20% imp, HSG B |
| 4,867 | 74 | >75% Grass cover, Good, HSG C |
| 13,315 | 70 | Woods, Good, HSG C |
| 17,949 | 98 | Water Surface, 0% imp, HSG C |
| 1,086 | 73 | Brush, Good, HSG D |
| 14,917 | 77 | Woods, Good, HSG D |
| 107,657 | 98 | Water Surface, 0% imp, HSG D |
| 12,892 | 84 | 1 acre lots, 20% imp, HSG D |
| 370,963 | 80 | Weighted Average |
| 332,806 | | 89.71% Pervious Area |
| 38,157 | | 10.29% Impervious Area |

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| 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" |
| 1.7 | 170 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.8 | 60 | 0.0600 | 1.22 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.9 | 192 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.0 | 80 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 11.1 | 470 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 1,037 | Total | | | |

Summary for Subcatchment S203: EXISTING WETLANDS

Runoff = 5.49 cfs @ 12.24 hrs, Volume= 23,873 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"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 16,240 | 48 | Brush, Good, HSG B |
| 31,422 | 55 | Woods, Good, HSG B |
| 3,360 | 98 | Water Surface, 0% imp, HSG B |
| 43,662 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,053 | 74 | >75% Grass cover, Good, HSG C |
| 2,158 | 70 | Woods, Good, HSG C |
| 2,198 | 98 | Water Surface, 0% imp, HSG C |
| 3,001 | 73 | Brush, Good, HSG D |
| 5,288 | 77 | Woods, Good, HSG D |
| 28,424 | 98 | Water Surface, 0% imp, HSG D |
| 137,806 | 71 | Weighted Average |
| 129,074 | | 93.66% Pervious Area |
| 8,732 | | 6.34% Impervious Area |

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| 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" |
| 1.7 | 180 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 2.5 | 260 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 113 | 0.0400 | 1.00 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 5.2 | 220 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 16.6 | 838 | Total | | | |

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 16.13 cfs @ 12.36 hrs, Volume= 83,480 cf, Depth> 1.69"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|------------------------------|
| 74,372 | 30 | Brush, Good, HSG A |
| 79,677 | 30 | Woods, Good, HSG A |
| 25,957 | 48 | Brush, Good, HSG B |
| 14,769 | 55 | Woods, Good, HSG B |
| 84 | 98 | Water Surface, 0% imp, HSG B |
| 29,368 | 65 | Brush, Good, HSG C |
| 15,547 | 70 | Woods, Good, HSG C |
| 9,983 | 98 | Water Surface, 0% imp, HSG C |
| 60,968 | 73 | Brush, Good, HSG D |
| 175,984 | 77 | Woods, Good, HSG D |
| 105,918 | 98 | Water Surface, 0% imp, HSG D |
| 592,627 | 66 | Weighted Average |
| 592,627 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|---|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.4 | 230 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 10.0 | 300 | 0.0100 | 0.50 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 3.0 | 200 | 0.0500 | 1.12 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 0.4 | 40 | 0.1000 | 1.58 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 23.9 | 820 | Total | | | |

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Summary for Subcatchment S205: CUL-DE-SAC INFILTRATION POND

Runoff = 0.84 cfs @ 12.10 hrs, Volume= 2,905 cf, Depth> 1.34"

Runoff 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 |
|-----------|----|-------------------------------|
| 25,952 | 61 | >75% Grass cover, Good, HSG B |
| 25,952 | | 100.00% Pervious Area |

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

Summary for Subcatchment S206: INFILTRATION POND #4

Runoff = 0.01 cfs @ 12.49 hrs, Volume= 282 cf, Depth> 0.19"

Runoff 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 |
|-----------|----|-------------------------------|
| 17,694 | 39 | >75% Grass cover, Good, HSG A |
| 17,694 | | 100.00% Pervious Area |

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

Summary for Subcatchment S207: INFILTRATION POND #3

Runoff = 0.04 cfs @ 12.41 hrs, Volume= 534 cf, Depth> 0.26"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 23,338 | 39 | >75% Grass cover, Good, HSG A |
| 729 | 98 | Roofs, HSG A |
| 353 | 80 | >75% Grass cover, Good, HSG D |
| 24,420 | 41 | Weighted Average |
| 23,691 | | 97.01% Pervious Area |
| 729 | | 2.99% 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 S208: ISOLATED WETLAND

Runoff = 2.59 cfs @ 12.09 hrs, Volume= 8,188 cf, Depth> 2.41"

Runoff 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 |
|-----------|----|-------------------------------|
| 6,532 | 39 | >75% Grass cover, Good, HSG A |
| 811 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 1,357 | 74 | >75% Grass cover, Good, HSG C |
| 346 | 98 | Water Surface, 0% imp, HSG C |
| 12,548 | 80 | >75% Grass cover, Good, HSG D |
| 10,640 | 77 | Woods, Good, HSG D |
| 6,063 | 98 | Water Surface, 0% imp, HSG D |
| 40,692 | 75 | Weighted Average |
| 40,692 | | 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: EXISTING WETLANDS

Runoff = 11.79 cfs @ 12.31 hrs, Volume= 56,128 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 |
|-----------|----|-------------------------------|
| 42,853 | 48 | Brush, Good, HSG B |
| 16,143 | 55 | Woods, Good, HSG B |
| 64,652 | 74 | >75% Grass cover, Good, HSG C |
| 37,510 | 70 | Woods, Good, HSG C |
| 95,456 | 98 | Water Surface, 0% imp, HSG C |
| 4,352 | 73 | Brush, Good, HSG D |
| 210 | 77 | Woods, Good, HSG D |
| 57 | 98 | Water Surface, 0% imp, HSG D |
| 261,233 | 77 | Weighted Average |
| 261,233 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 10.4 | 50 | 0.0300 | 0.08 | | Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27" |
| 9.9 | 420 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.5 | 80 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 550 | Total | | | |

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Summary for Subcatchment S210: INFILTRATION POND

Runoff = 1.91 cfs @ 12.09 hrs, Volume= 6,037 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 |
|-----------|----|-------------------------------|
| 14,132 | 61 | >75% Grass cover, Good, HSG B |
| 7,748 | 98 | Paved parking, HSG B |
| 9,213 | 74 | >75% Grass cover, Good, HSG C |
| 31,093 | 74 | Weighted Average |
| 23,345 | | 75.08% Pervious Area |
| 7,748 | | 24.92% Impervious Area |

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

Summary for Subcatchment S211: EXISTING WETLANDS

Runoff = 5.45 cfs @ 12.21 hrs, Volume= 22,566 cf, Depth> 2.24"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 18,256 | 39 | >75% Grass cover, Good, HSG A |
| 11,504 | 30 | Woods, Good, HSG A |
| 3,417 | 98 | Water Surface, 0% imp, HSG A |
| 20,570 | 74 | >75% Grass cover, Good, HSG C |
| 23,109 | 70 | Woods, Good, HSG C |
| 40,658 | 98 | Water Surface, 0% imp, HSG C |
| 2,091 | 80 | >75% Grass cover, Good, HSG D |
| 1,163 | 77 | Woods, Good, HSG D |
| 120,768 | 73 | Weighted Average |
| 120,768 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 2.0 | 20 | 0.1000 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.1 | 30 | 0.0400 | 0.12 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 8.9 | 530 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 15.0 | 580 | Total | | | |

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Summary for Subcatchment S212: SWALE

Runoff = 2.36 cfs @ 12.38 hrs, Volume= 12,290 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 |
|-----------|----|-------------------------------|
| 63,598 | 74 | >75% Grass cover, Good, HSG C |
| 63,598 | | 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" |
| 7.4 | 220 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.7 | 70 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 4.4 | 130 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 26.6 | 470 | Total | | | |

Summary for Subcatchment S213: OFFSITE

Runoff = 3.19 cfs @ 12.25 hrs, Volume= 14,413 cf, Depth> 1.69"

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 10YR Rainfall=4.96"

| Area (sf) | CN | Description |
|-----------|----|-----------------------------|
| 8,519 | 48 | Brush, Good, HSG B |
| 467 | 55 | Woods, Good, HSG B |
| 93,140 | 68 | 1 acre lots, 20% imp, HSG B |
| 102,126 | 66 | Weighted Average |
| 83,498 | | 81.76% Pervious Area |
| 18,628 | | 18.24% 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 | 200 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.2 | 20 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 9.6 | 700 | 0.0300 | 1.21 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 17.0 | 985 | Total | | | |

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Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,546 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.46 cfs @ 12.09 hrs, Volume= 1,586 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.63 cfs @ 12.09 hrs, Volume= 2,196 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% 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 TH2: TOWN HOUSE #2

Runoff = 0.45 cfs @ 12.09 hrs, Volume= 1,546 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 |
|-----------|----|-------------------------------|
| 3,844 | 98 | Roofs, HSG B |
| 34 | 98 | Roofs, HSG C |
| 372 | 61 | >75% Grass cover, Good, HSG B |
| 99 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.45 cfs @ 12.09 hrs, Volume= 1,546 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.63 cfs @ 12.09 hrs, Volume= 2,196 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% Impervious Area |

| 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= 1,253 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 |
|-----------|----|-------------------------------|
| 3,030 | 98 | Roofs, HSG C |
| 404 | 74 | >75% Grass cover, Good, HSG C |
| 3,434 | 95 | Weighted Average |
| 404 | | 11.76% Pervious Area |
| 3,030 | | 88.24% 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 = 0.46 cfs @ 12.09 hrs, Volume= 1,586 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 TH7: TOWN HOUSE #7

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,586 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.47 cfs @ 12.09 hrs, Volume= 1,711 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 |
|-----------|----|------------------------------|
| 3,605 | 98 | Roofs, HSG C |
| 428 | 98 | Water Surface, 0% imp, HSG C |
| 273 | 98 | Roofs, HSG D |
| 43 | 98 | Water Surface, 0% imp, HSG D |
| 4,349 | 98 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.46 cfs @ 12.09 hrs, Volume= 1,586 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% Impervious Area |

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

Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.78% Impervious, Inflow Depth = 0.87" for 10YR event
 Inflow = 0.59 cfs @ 12.21 hrs, Volume= 874 cf
 Outflow = 0.01 cfs @ 13.45 hrs, Volume= 413 cf, Atten= 98%, Lag= 74.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Max. Velocity= 0.02 fps, Min. Travel Time= 948.2 min
 Avg. Velocity = 0.02 fps, Avg. Travel Time= 1,086.9 min

Peak Storage= 809 cf @ 13.45 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, 88.13% Impervious, Inflow Depth = 0.97" for 10YR event
 Inflow = 0.15 cfs @ 12.20 hrs, Volume= 197 cf
 Outflow = 0.00 cfs @ 13.39 hrs, Volume= 114 cf, Atten= 97%, Lag= 71.0 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= 802.4 min
 Avg. Velocity = 0.02 fps, Avg. Travel Time= 802.4 min

Peak Storage= 179 cf @ 13.39 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

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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'



Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,995 sf, 87.39% Impervious, Inflow Depth = 0.63" for 10YR event
Inflow = 0.20 cfs @ 12.34 hrs, Volume= 365 cf
Outflow = 0.02 cfs @ 13.01 hrs, Volume= 321 cf, Atten= 90%, Lag= 40.3 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= 242.9 min
Avg. Velocity = 0.02 fps, Avg. Travel Time= 326.6 min

Peak Storage= 303 cf @ 13.01 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 40.16'
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 = 16,890 sf, 87.66% Impervious, Inflow Depth = 0.86" for 10YR event
Inflow = 0.77 cfs @ 12.19 hrs, Volume= 1,216 cf
Outflow = 0.58 cfs @ 12.32 hrs, Volume= 1,216 cf, Atten= 25%, Lag= 8.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.17 fps, Min. Travel Time= 9.7 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 27.0 min

Peak Storage= 335 cf @ 12.32 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 50.67'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 54.42 cfs

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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= 100.0' Slope= 0.0800 '/'
Inlet Invert= 198.00', Outlet Invert= 190.00'



Summary for Reach 5R: OVERLAND FLOW

Inflow Area = 4,254 sf, 86.84% Impervious, Inflow Depth = 0.78" for 10YR event
Inflow = 0.17 cfs @ 12.26 hrs, Volume= 278 cf
Outflow = 0.01 cfs @ 13.17 hrs, Volume= 211 cf, Atten= 95%, Lag= 54.2 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= 489.5 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 489.5 min

Peak Storage= 245 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= 31.40 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= 826.0' Slope= 0.0266 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 6R: OVERLAND FLOW

Inflow Area = 12,118 sf, 88.02% Impervious, Inflow Depth = 0.92" for 10YR event
Inflow = 0.66 cfs @ 12.21 hrs, Volume= 933 cf
Outflow = 0.06 cfs @ 12.89 hrs, Volume= 839 cf, Atten= 91%, Lag= 40.5 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= 199.0 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 302.2 min

Peak Storage= 737 cf @ 12.89 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.23'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 34.58 cfs

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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= 650.0' Slope= 0.0323 '/'
Inlet Invert= 207.00', Outlet Invert= 186.00'



Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 9,140 sf, 87.53% Impervious, Inflow Depth = 0.86" for 10YR event
Inflow = 0.44 cfs @ 12.20 hrs, Volume= 659 cf
Outflow = 0.05 cfs @ 12.82 hrs, Volume= 625 cf, Atten= 88%, Lag= 37.2 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= 160.0 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 232.2 min

Peak Storage= 503 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= 36.50 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= 500.0' Slope= 0.0360 '/'
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 5,074 sf, 88.33% Impervious, Inflow Depth = 1.00" for 10YR event
Inflow = 0.30 cfs @ 12.20 hrs, Volume= 421 cf
Outflow = 0.05 cfs @ 12.68 hrs, Volume= 417 cf, Atten= 84%, Lag= 29.1 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= 101.9 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 144.9 min

Peak Storage= 295 cf @ 12.68 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.17'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 41.67 cfs

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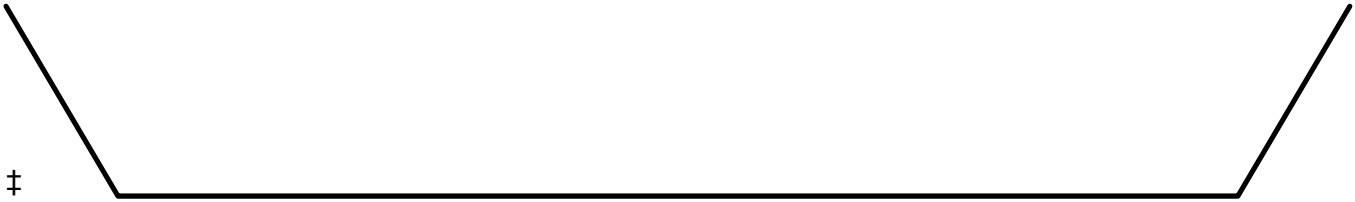
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50.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 60.00'
Length= 341.0' Slope= 0.0469 '/'
Inlet Invert= 202.00', Outlet Invert= 186.00'



Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 8,728 sf, 86.71% Impervious, Inflow Depth = 0.29" for 10YR event
Inflow = 0.15 cfs @ 12.20 hrs, Volume= 214 cf
Outflow = 0.03 cfs @ 12.64 hrs, Volume= 210 cf, Atten= 80%, Lag= 26.0 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= 84.9 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 170.0 min

Peak Storage= 149 cf @ 12.64 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 10.38'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 8.12 cfs

10.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 380.0' Slope= 0.0316 '/'
Inlet Invert= 198.00', Outlet Invert= 186.00'



Summary for Reach 10R: OVERLAND FLOW

Inflow Area = 12,999 sf, 88.26% Impervious, Inflow Depth = 0.94" for 10YR event
Inflow = 0.74 cfs @ 12.21 hrs, Volume= 1,022 cf
Outflow = 0.43 cfs @ 12.40 hrs, Volume= 1,022 cf, Atten= 42%, Lag= 11.4 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= 13.5 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 57.3 min

Peak Storage= 349 cf @ 12.40 hrs
Average Depth at Peak Storage= 0.16' , Surface Width= 11.61'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 10.77 cfs

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10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 200.0' Slope= 0.0200 '/'
Inlet Invert= 209.00', Outlet Invert= 205.00'



Summary for Reach 11R: OVERLAND FLOW

Inflow Area = 10,588 sf, 86.70% Impervious, Inflow Depth = 0.71" for 10YR event
Inflow = 0.38 cfs @ 12.28 hrs, Volume= 628 cf
Outflow = 0.02 cfs @ 13.15 hrs, Volume= 464 cf, Atten= 95%, Lag= 51.7 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= 442.2 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 516.9 min

Peak Storage= 554 cf @ 13.15 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.12'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.34 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= 920.0' Slope= 0.0283 '/'
Inlet Invert= 212.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 18,000 sf, 89.16% Impervious, Inflow Depth = 1.60" for 10YR event
Inflow = 1.56 cfs @ 12.13 hrs, Volume= 2,406 cf
Outflow = 0.49 cfs @ 12.46 hrs, Volume= 2,387 cf, Atten= 69%, Lag= 19.7 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= 47.2 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 137.4 min

Peak Storage= 1,381 cf @ 12.46 hrs
Average Depth at Peak Storage= 0.09' , Surface Width= 50.91'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

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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 13R: OVERLAND FLOW

Inflow Area = 8,698 sf, 89.17% Impervious, Inflow Depth = 1.59" for 10YR event
Inflow = 0.76 cfs @ 12.13 hrs, Volume= 1,156 cf
Outflow = 0.06 cfs @ 12.80 hrs, Volume= 959 cf, Atten= 92%, Lag= 40.3 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= 256.6 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 396.3 min

Peak Storage= 939 cf @ 12.80 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.28'
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 = 137,806 sf, 6.34% Impervious, Inflow Depth > 2.08" for 10YR event
Inflow = 5.49 cfs @ 12.24 hrs, Volume= 23,873 cf
Outflow = 2.09 cfs @ 12.66 hrs, Volume= 22,365 cf, Atten= 62%, Lag= 25.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.21 fps, Min. Travel Time= 64.4 min
Avg. Velocity = 0.10 fps, Avg. Travel Time= 137.9 min

Peak Storage= 8,098 cf @ 12.66 hrs
Average Depth at Peak Storage= 0.20' , Surface Width= 51.99'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.90 cfs

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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= 800.0' Slope= 0.0275 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth = 1.12" for 10YR event
Inflow = 4.36 cfs @ 12.23 hrs, Volume= 9,501 cf
Outflow = 1.93 cfs @ 12.53 hrs, Volume= 9,465 cf, Atten= 56%, Lag= 18.0 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= 27.5 min
Avg. Velocity = 0.06 fps, Avg. Travel Time= 90.0 min

Peak Storage= 3,188 cf @ 12.53 hrs
Average Depth at Peak Storage= 0.21' , Surface Width= 52.08'
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: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 1.63" for 10YR event
Inflow = 0.31 cfs @ 12.10 hrs, Volume= 1,023 cf
Outflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 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= 2.18 fps, Min. Travel Time= 0.5 min
Avg. Velocity = 0.86 fps, Avg. Travel Time= 1.2 min

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Peak Storage= 9 cf @ 12.11 hrs

Average Depth at Peak Storage= 0.24' , Surface Width= 0.85'

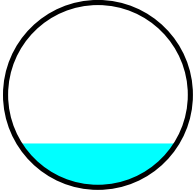
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.53 cfs

12.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 61.4' Slope= 0.0050 '/'

Inlet Invert= 197.00', Outlet Invert= 196.69'



Summary for Reach 17R: SWALE

Inflow Area = 102,126 sf, 18.24% Impervious, Inflow Depth > 1.69" for 10YR event
Inflow = 3.19 cfs @ 12.25 hrs, Volume= 14,413 cf
Outflow = 2.20 cfs @ 12.48 hrs, Volume= 14,086 cf, Atten= 31%, Lag= 13.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.53 fps, Min. Travel Time= 20.2 min

Avg. Velocity = 0.21 fps, Avg. Travel Time= 50.1 min

Peak Storage= 2,659 cf @ 12.48 hrs

Average Depth at Peak Storage= 0.37' , Surface Width= 12.24'

Bank-Full Depth= 1.00' Flow Area= 13.0 sf, Capacity= 12.22 cfs

10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 16.00'

Length= 640.0' Slope= 0.0313 '/'

Inlet Invert= 224.00', Outlet Invert= 204.00'



Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 254,301 sf, 42.05% Impervious, Inflow Depth = 1.13" for 10YR event
Inflow = 4.69 cfs @ 12.52 hrs, Volume= 24,014 cf
Outflow = 4.58 cfs @ 12.60 hrs, Volume= 24,013 cf, Atten= 2%, Lag= 4.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.33 fps, Min. Travel Time= 6.1 min

Avg. Velocity = 0.11 fps, Avg. Travel Time= 18.7 min

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Peak Storage= 1,663 cf @ 12.60 hrs
Average Depth at Peak Storage= 0.26' , Surface Width= 55.27'
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 19R: OVERLAND FLOW

Inflow Area = 120,768 sf, 0.00% Impervious, Inflow Depth > 2.24" for 10YR event
Inflow = 5.45 cfs @ 12.21 hrs, Volume= 22,566 cf
Outflow = 2.32 cfs @ 12.58 hrs, Volume= 21,395 cf, Atten= 58%, Lag= 22.0 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= 52.1 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 121.5 min

Peak Storage= 7,245 cf @ 12.58 hrs
Average Depth at Peak Storage= 0.28' , Surface Width= 52.82'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 19.62 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= 500.0' Slope= 0.0104 ' / '
Inlet Invert= 200.00', Outlet Invert= 194.80'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth = 1.08" for 10YR event
Inflow = 1.40 cfs @ 12.40 hrs, Volume= 4,043 cf
Outflow = 0.97 cfs @ 12.67 hrs, Volume= 4,041 cf, Atten= 31%, Lag= 15.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.17 fps, Min. Travel Time= 22.1 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 71.9 min

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Peak Storage= 1,280 cf @ 12.67 hrs
Average Depth at Peak Storage= 0.11' , Surface Width= 51.13'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 38.05 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= 225.0' Slope= 0.0391 ' / '
Inlet Invert= 194.80', Outlet Invert= 186.00'



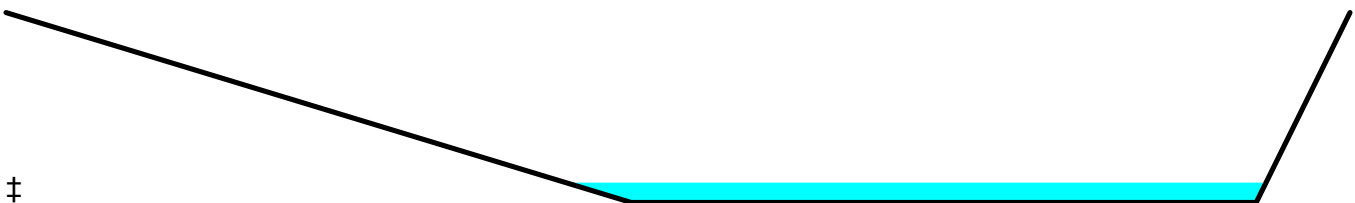
Summary for Reach 21R: OVERLAND FLOW

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 1.62" for 10YR event
Inflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf
Outflow = 0.13 cfs @ 12.40 hrs, Volume= 986 cf, Atten= 59%, Lag= 17.5 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= 33.3 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 75.6 min

Peak Storage= 255 cf @ 12.40 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 22.41'
Bank-Full Depth= 1.00' Flow Area= 31.5 sf, Capacity= 6.85 cfs

20.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 3.0 ' / ' Top Width= 43.00'
Length= 115.0' Slope= 0.0052 ' / '
Inlet Invert= 195.50', Outlet Invert= 194.90'



Summary for Reach 22R: CROSS PIPE

[52] Hint: Inlet/Outlet conditions not evaluated

[61] Hint: Exceeded Reach 19R outlet invert by 0.27' @ 12.55 hrs

[62] Hint: Exceeded Reach 21R OUTLET depth by 0.08' @ 12.65 hrs

[62] Hint: Exceeded Reach R211 OUTLET depth by 0.27' @ 12.55 hrs

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 0.91" for 10YR event
Inflow = 2.43 cfs @ 12.57 hrs, Volume= 22,380 cf
Outflow = 2.43 cfs @ 12.57 hrs, Volume= 22,379 cf, Atten= 0%, Lag= 0.1 min

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 6.01 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 3.09 fps, Avg. Travel Time= 0.2 min

Peak Storage= 14 cf @ 12.57 hrs

Average Depth at Peak Storage= 0.37' , Surface Width= 1.56'

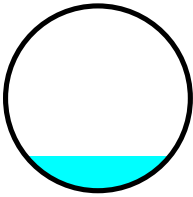
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 31.99 cfs

24.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 35.0' Slope= 0.0200 '/'

Inlet Invert= 194.70', Outlet Invert= 194.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 0.91" for 10YR event

Inflow = 2.43 cfs @ 12.57 hrs, Volume= 22,379 cf

Outflow = 2.39 cfs @ 12.65 hrs, Volume= 22,229 cf, Atten= 2%, Lag= 4.8 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.46 fps, Min. Travel Time= 6.5 min

Avg. Velocity = 0.20 fps, Avg. Travel Time= 14.8 min

Peak Storage= 926 cf @ 12.65 hrs

Average Depth at Peak Storage= 0.32' , Surface Width= 16.93'

Bank-Full Depth= 1.00' Flow Area= 18.0 sf, Capacity= 16.59 cfs

15.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 21.00'

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 = 370,963 sf, 10.29% Impervious, Inflow Depth > 2.85" for 10YR event
Inflow = 18.52 cfs @ 12.30 hrs, Volume= 87,987 cf
Outflow = 8.53 cfs @ 12.69 hrs, Volume= 83,442 cf, Atten= 54%, Lag= 23.3 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= 58.4 min
Avg. Velocity = 0.08 fps, Avg. Travel Time= 139.0 min

Peak Storage= 29,866 cf @ 12.69 hrs
Average Depth at Peak Storage= 0.39' , Surface Width= 119.44'
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 = 165,235 sf, 47.56% Impervious, Inflow Depth = 0.00" for 10YR 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= 17.03 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= 600.0' Slope= 0.0078 '/'
Inlet Invert= 199.50', Outlet Invert= 194.80'



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Summary for Pond CB1: CB#1

Inflow Area = 10,706 sf, 37.85% Impervious, Inflow Depth > 2.41" for 10YR event
Inflow = 0.63 cfs @ 12.12 hrs, Volume= 2,153 cf
Outflow = 0.63 cfs @ 12.12 hrs, Volume= 2,153 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.63 cfs @ 12.12 hrs, Volume= 2,153 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.96' @ 12.11 hrs
Flood Elev= 209.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.45' | 12.0" Round Culvert L= 21.0' Ke= 0.500 Inlet / Outlet Invert= 206.45' / 206.31' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.61 cfs @ 12.12 hrs HW=206.94' TW=206.74' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 0.61 cfs @ 2.33 fps)

Summary for Pond CB10: CB #10

Inflow Area = 5,492 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
Inflow = 0.60 cfs @ 12.09 hrs, Volume= 2,160 cf
Outflow = 0.60 cfs @ 12.09 hrs, Volume= 2,160 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.60 cfs @ 12.09 hrs, Volume= 2,160 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 210.00' @ 12.09 hrs
Flood Elev= 212.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.54' | 12.0" Round Culvert L= 33.1' Ke= 0.500 Inlet / Outlet Invert= 209.54' / 209.37' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.58 cfs @ 12.09 hrs HW=209.99' TW=209.36' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.58 cfs @ 2.46 fps)

Summary for Pond CB11: CB #11

Inflow Area = 2,381 sf, 54.01% Impervious, Inflow Depth > 3.53" for 10YR event
Inflow = 0.22 cfs @ 12.09 hrs, Volume= 700 cf
Outflow = 0.22 cfs @ 12.09 hrs, Volume= 700 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.09 hrs, Volume= 700 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 211.34' @ 12.09 hrs
Flood Elev= 214.24'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 17.4' Ke= 0.500 |

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Inlet / Outlet Invert= 211.07' / 210.97' S= 0.0057 '/' Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.21 cfs @ 12.09 hrs HW=211.34' TW=208.75' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.21 cfs @ 1.91 fps)

Summary for Pond CB12: CB #12

Inflow Area = 2,480 sf, 63.99% Impervious, Inflow Depth > 3.73" for 10YR event
Inflow = 0.24 cfs @ 12.09 hrs, Volume= 771 cf
Outflow = 0.24 cfs @ 12.09 hrs, Volume= 771 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.24 cfs @ 12.09 hrs, Volume= 771 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.36' @ 12.09 hrs

Flood Elev= 214.25'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 211.07' / 210.98' S= 0.0050 '/' 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=211.35' TW=208.75' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.23 cfs @ 1.89 fps)

Summary for Pond CB13: CB #13

Inflow Area = 6,942 sf, 55.47% Impervious, Inflow Depth > 3.53" for 10YR event
Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,040 cf
Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,040 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.63 cfs @ 12.09 hrs, Volume= 2,040 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.04' @ 12.09 hrs

Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.55' | 12.0" Round Culvert L= 10.1' Ke= 0.500 Inlet / Outlet Invert= 208.55' / 208.50' S= 0.0050 '/' 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=209.04' TW=207.24' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.62 cfs @ 2.39 fps)

Summary for Pond CB14: CB #14

Inflow Area = 6,999 sf, 66.87% Impervious, Inflow Depth > 3.83" for 10YR event
Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,237 cf
Outflow = 0.68 cfs @ 12.09 hrs, Volume= 2,237 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.68 cfs @ 12.09 hrs, Volume= 2,237 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= 209.07' @ 12.09 hrs

Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.56' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 208.56' / 208.49' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=209.06' TW=207.24' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.67 cfs @ 2.46 fps)**Summary for Pond CB15: CB #15**

Inflow Area = 3,235 sf, 58.73% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 0.30 cfs @ 12.09 hrs, Volume= 978 cf
 Outflow = 0.30 cfs @ 12.09 hrs, Volume= 978 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.30 cfs @ 12.09 hrs, Volume= 978 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.56' @ 12.09 hrs

Flood Elev= 211.95'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.23' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.23' / 207.16' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=207.55' TW=207.37' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.29 cfs @ 2.00 fps)**Summary for Pond CB16: CB #16**

Inflow Area = 2,087 sf, 71.87% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.21 cfs @ 12.09 hrs, Volume= 685 cf
 Outflow = 0.21 cfs @ 12.09 hrs, Volume= 685 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.21 cfs @ 12.09 hrs, Volume= 685 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.48' @ 12.09 hrs

Flood Elev= 211.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.19' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.19' / 207.12' S= 0.0050 '/ 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=207.48' TW=207.37' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.20 cfs @ 1.63 fps)

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Summary for Pond CB17: CB #17

Inflow Area = 9,714 sf, 59.89% Impervious, Inflow Depth > 3.63" for 10YR event
Inflow = 0.91 cfs @ 12.09 hrs, Volume= 2,937 cf
Outflow = 0.91 cfs @ 12.09 hrs, Volume= 2,937 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.91 cfs @ 12.09 hrs, Volume= 2,937 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.28' @ 12.09 hrs
Flood Elev= 208.96'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.62' | 12.0" Round Culvert L= 13.6' Ke= 0.500 Inlet / Outlet Invert= 202.62' / 202.52' S= 0.0074 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.89 cfs @ 12.09 hrs HW=203.27' TW=203.10' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 0.89 cfs @ 2.35 fps)

Summary for Pond CB18: CB #18

Inflow Area = 9,165 sf, 65.72% Impervious, Inflow Depth > 3.83" for 10YR event
Inflow = 0.89 cfs @ 12.09 hrs, Volume= 2,929 cf
Outflow = 0.89 cfs @ 12.09 hrs, Volume= 2,929 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.89 cfs @ 12.09 hrs, Volume= 2,929 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.66' @ 12.09 hrs
Flood Elev= 209.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.07' | 12.0" Round Culvert L= 17.7' Ke= 0.500 Inlet / Outlet Invert= 203.07' / 202.98' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=203.65' TW=203.10' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.87 cfs @ 2.66 fps)

Summary for Pond CB19: CB #19

Inflow Area = 6,910 sf, 57.21% Impervious, Inflow Depth > 3.63" for 10YR event
Inflow = 0.65 cfs @ 12.09 hrs, Volume= 2,089 cf
Outflow = 0.65 cfs @ 12.09 hrs, Volume= 2,089 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.65 cfs @ 12.09 hrs, Volume= 2,089 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= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 16.1' Ke= 0.500 |

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Inlet / Outlet Invert= 203.59' / 203.51' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.63 cfs @ 12.09 hrs HW=204.08' TW=202.04' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.63 cfs @ 2.44 fps)

Summary for Pond CB2: CB#2

Inflow Area = 21,674 sf, 80.07% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 2.15 cfs @ 12.09 hrs, Volume= 7,117 cf
Outflow = 2.15 cfs @ 12.09 hrs, Volume= 7,117 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.15 cfs @ 12.09 hrs, Volume= 7,117 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.87' @ 12.09 hrs

Flood Elev= 207.47'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.03' | 15.0" Round Culvert L= 108.6' Ke= 0.500 Inlet / Outlet Invert= 204.03' / 203.49' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.10 cfs @ 12.09 hrs HW=204.86' TW=204.02' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.10 cfs @ 3.45 fps)

Summary for Pond CB20: CB #20

Inflow Area = 8,034 sf, 73.30% Impervious, Inflow Depth > 4.05" for 10YR event
Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,710 cf
Outflow = 0.81 cfs @ 12.09 hrs, Volume= 2,710 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.81 cfs @ 12.09 hrs, Volume= 2,710 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.15' @ 12.09 hrs

Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 203.59' / 203.50' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=204.14' TW=202.04' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.79 cfs @ 2.60 fps)

Summary for Pond CB21: CB #21

Inflow Area = 9,293 sf, 82.86% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 0.92 cfs @ 12.09 hrs, Volume= 3,052 cf
Outflow = 0.92 cfs @ 12.09 hrs, Volume= 3,052 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.92 cfs @ 12.09 hrs, Volume= 3,052 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= 201.22' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.62' | 12.0" Round Culvert L= 19.7' Ke= 0.500 Inlet / Outlet Invert= 200.62' / 200.52' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.90 cfs @ 12.09 hrs HW=201.21' TW=200.97' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.90 cfs @ 2.68 fps)

Summary for Pond CB22: CB #22

Inflow Area = 10,403 sf, 81.23% Impervious, Inflow Depth > 3.53" for 10YR event
Inflow = 0.95 cfs @ 12.09 hrs, Volume= 3,058 cf
Outflow = 0.95 cfs @ 12.09 hrs, Volume= 3,058 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.95 cfs @ 12.09 hrs, Volume= 3,058 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.22' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.61' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 200.61' / 200.52' S= 0.0050 '/' 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=201.21' TW=200.97' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.93 cfs @ 2.70 fps)

Summary for Pond CB23: CB #23

Inflow Area = 19,822 sf, 84.04% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 1.97 cfs @ 12.09 hrs, Volume= 6,509 cf
Outflow = 1.97 cfs @ 12.09 hrs, Volume= 6,509 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.97 cfs @ 12.09 hrs, Volume= 6,509 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.61' @ 12.09 hrs

Flood Elev= 204.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.75' | 12.0" Round Culvert L= 21.9' Ke= 0.500 Inlet / Outlet Invert= 200.75' / 200.53' S= 0.0100 '/' 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=201.60' TW=197.47' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.92 cfs @ 3.66 fps)

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Summary for Pond CB24: CB #24

Inflow Area = 2,226 sf, 99.87% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 876 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 876 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 876 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.34' @ 12.09 hrs
 Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.06' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 202.06' / 201.95' S= 0.0056 '/' 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=202.34' TW=197.46' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.24 cfs @ 1.96 fps)

Summary for Pond CB25: CB #25

Inflow Area = 2,249 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 885 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 885 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 885 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.60' @ 12.09 hrs
 Flood Elev= 207.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0074 '/' 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=204.59' TW=198.89' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.24 cfs @ 2.07 fps)

Summary for Pond CB26: CB #26

Inflow Area = 3,194 sf, 78.40% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,135 cf
 Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,135 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,135 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.64' @ 12.09 hrs
 Flood Elev= 207.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 14.9' Ke= 0.500 |

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Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0081 '/' 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=204.64' TW=198.89' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.32 cfs @ 2.26 fps)

Summary for Pond CB27: CB #27

Inflow Area = 13,200 sf, 88.54% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 1.40 cfs @ 12.09 hrs, Volume= 4,815 cf
 Outflow = 1.40 cfs @ 12.09 hrs, Volume= 4,815 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.40 cfs @ 12.09 hrs, Volume= 4,815 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.13' @ 12.09 hrs

Flood Elev= 205.53'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.36' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.36' / 202.30' S= 0.0052 '/' 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=203.12' TW=200.31' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.36 cfs @ 2.96 fps)

Summary for Pond CB28: CB #28

Inflow Area = 18,536 sf, 69.19% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 1.88 cfs @ 12.09 hrs, Volume= 6,252 cf
 Outflow = 1.88 cfs @ 12.09 hrs, Volume= 6,252 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.88 cfs @ 12.09 hrs, Volume= 6,252 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.29' @ 12.09 hrs

Flood Elev= 205.55'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.37' | 12.0" Round Culvert L= 11.6' Ke= 0.500 Inlet / Outlet Invert= 202.37' / 202.31' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.83 cfs @ 12.09 hrs HW=203.28' TW=200.31' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.83 cfs @ 3.21 fps)

Summary for Pond CB29: CB #29

Inflow Area = 1,837 sf, 70.93% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 603 cf
 Outflow = 0.18 cfs @ 12.09 hrs, Volume= 603 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.18 cfs @ 12.09 hrs, Volume= 603 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= 203.21' @ 12.09 hrs

Flood Elev= 205.87'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 23.4' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0056 '/' 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=203.20' TW=201.33' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.18 cfs @ 1.83 fps)**Summary for Pond CB3: CB#3**

Inflow Area = 10,853 sf, 74.08% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,281 cf
 Outflow = 1.01 cfs @ 12.09 hrs, Volume= 3,281 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.01 cfs @ 12.09 hrs, Volume= 3,281 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.56' @ 12.09 hrs

Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.93' | 12.0" Round Culvert L= 17.4' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.84' S= 0.0052 '/' 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=209.55' TW=209.21' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.99 cfs @ 2.76 fps)**Summary for Pond CB30: CB #30**

Inflow Area = 6,023 sf, 53.63% Impervious, Inflow Depth > 3.53" for 10YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,770 cf
 Outflow = 0.55 cfs @ 12.09 hrs, Volume= 1,770 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.09 hrs, Volume= 1,770 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.38' @ 12.09 hrs

Flood Elev= 206.13'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0087 '/' 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=203.37' TW=201.33' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.54 cfs @ 2.58 fps)

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Summary for Pond CB31: CB #31

Inflow Area = 13,352 sf, 89.53% Impervious, Inflow Depth > 4.49" for 10YR event
Inflow = 1.43 cfs @ 12.09 hrs, Volume= 4,996 cf
Outflow = 1.43 cfs @ 12.09 hrs, Volume= 4,996 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.43 cfs @ 12.09 hrs, Volume= 4,996 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.59' @ 12.09 hrs
Flood Elev= 205.01'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.83' | 12.0" Round Culvert L= 39.2' Ke= 0.500 Inlet / Outlet Invert= 201.83' / 201.63' S= 0.0051 '/' 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=202.58' TW=202.05' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.39 cfs @ 3.08 fps)

Summary for Pond CB32: CB #32

Inflow Area = 15,647 sf, 68.79% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 1.55 cfs @ 12.09 hrs, Volume= 5,138 cf
Outflow = 1.55 cfs @ 12.09 hrs, Volume= 5,138 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.55 cfs @ 12.09 hrs, Volume= 5,138 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.79' @ 12.09 hrs
Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.00' | 12.0" Round Culvert L= 54.5' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.72' S= 0.0051 '/' 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=202.78' TW=202.05' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.52 cfs @ 3.18 fps)

Summary for Pond CB33: CB #33

Inflow Area = 10,475 sf, 79.30% Impervious, Inflow Depth > 4.27" for 10YR event
Inflow = 1.09 cfs @ 12.09 hrs, Volume= 3,724 cf
Outflow = 1.09 cfs @ 12.09 hrs, Volume= 3,724 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.09 cfs @ 12.09 hrs, Volume= 3,724 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.34' @ 12.09 hrs
Flood Elev= 207.89'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.78' | 12.0" Round Culvert L= 16.5' Ke= 0.500 |

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Inlet / Outlet Invert= 204.78' / 204.50' S= 0.0170 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.06 cfs @ 12.09 hrs HW=205.33' TW=204.93' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 1.06 cfs @ 3.49 fps)

Summary for Pond CB34: CB #34

Inflow Area = 7,978 sf, 96.09% Impervious, Inflow Depth > 4.60" for 10YR event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,061 cf
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 3,061 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 3,061 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.33' @ 12.09 hrs
Flood Elev= 207.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.76' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 204.76' / 204.66' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=205.32' TW=204.93' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.84 cfs @ 2.65 fps)

Summary for Pond CB35: CB #35

Inflow Area = 7,168 sf, 73.14% Impervious, Inflow Depth > 4.16" for 10YR event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,482 cf
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 2,482 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,482 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.28' @ 12.09 hrs
Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.63' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.63' / 204.55' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=205.27' TW=205.15' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.72 cfs @ 1.93 fps)

Summary for Pond CB36: CB #36

Inflow Area = 5,338 sf, 97.53% Impervious, Inflow Depth > 4.72" for 10YR event
Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,100 cf
Outflow = 0.58 cfs @ 12.09 hrs, Volume= 2,100 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.58 cfs @ 12.09 hrs, Volume= 2,100 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= 205.25' @ 12.09 hrs

Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.64' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.64' / 204.56' 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=205.24' TW=205.15' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.56 cfs @ 1.65 fps)

Summary for Pond CB37: CB #37

Inflow Area = 4,130 sf, 76.71% Impervious, Inflow Depth > 4.27" for 10YR event
Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,468 cf
Outflow = 0.43 cfs @ 12.09 hrs, Volume= 1,468 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.43 cfs @ 12.09 hrs, Volume= 1,468 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.99' @ 12.09 hrs

Flood Elev= 205.03'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.60' | 12.0" Round Culvert L= 28.7' Ke= 0.500 Inlet / Outlet Invert= 199.60' / 199.45' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.42 cfs @ 12.09 hrs HW=199.98' TW=197.48' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.42 cfs @ 2.27 fps)

Summary for Pond CB38: CB #38

Inflow Area = 2,450 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
Inflow = 0.27 cfs @ 12.09 hrs, Volume= 964 cf
Outflow = 0.27 cfs @ 12.09 hrs, Volume= 964 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.27 cfs @ 12.09 hrs, Volume= 964 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.85' @ 12.09 hrs

Flood Elev= 205.84'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.55' | 12.0" Round Culvert L= 22.7' Ke= 0.500 Inlet / Outlet Invert= 199.55' / 199.43' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=199.85' TW=197.48' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.26 cfs @ 1.99 fps)

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Summary for Pond CB39: CB #39

Inflow Area = 20,827 sf, 63.79% Impervious, Inflow Depth > 3.94" for 10YR event
Inflow = 2.07 cfs @ 12.09 hrs, Volume= 6,839 cf
Outflow = 2.07 cfs @ 12.09 hrs, Volume= 6,839 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.07 cfs @ 12.09 hrs, Volume= 6,839 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.55' @ 12.09 hrs
Flood Elev= 199.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.60' | 12.0" Round Culvert L= 31.2' Ke= 0.500 Inlet / Outlet Invert= 196.60' / 196.41' S= 0.0061 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.02 cfs @ 12.09 hrs HW=197.53' TW=196.52' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 2.02 cfs @ 3.45 fps)

Summary for Pond CB4: CB#4

Inflow Area = 21,472 sf, 40.29% Impervious, Inflow Depth > 2.50" for 10YR event
Inflow = 1.22 cfs @ 12.15 hrs, Volume= 4,469 cf
Outflow = 1.22 cfs @ 12.15 hrs, Volume= 4,469 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.22 cfs @ 12.15 hrs, Volume= 4,469 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 209.64' @ 12.15 hrs
Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.94' | 12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 208.94' / 208.85' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.21 cfs @ 12.15 hrs HW=209.64' TW=209.18' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.21 cfs @ 2.92 fps)

Summary for Pond CB40: CB #40

Inflow Area = 4,980 sf, 92.85% Impervious, Inflow Depth > 4.60" for 10YR event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,911 cf
Outflow = 0.54 cfs @ 12.09 hrs, Volume= 1,911 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.54 cfs @ 12.09 hrs, Volume= 1,911 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.05' @ 12.09 hrs
Flood Elev= 206.81'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.47' | 12.0" Round Culvert L= 13.4' Ke= 0.500 |

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Inlet / Outlet Invert= 202.47' / 202.40' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.52 cfs @ 12.09 hrs HW=203.03' TW=202.95' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.52 cfs @ 1.67 fps)

Summary for Pond CB41: CB #41

Inflow Area = 5,480 sf, 85.02% Impervious, Inflow Depth > 4.38" for 10YR event
Inflow = 0.58 cfs @ 12.09 hrs, Volume= 1,999 cf
Outflow = 0.58 cfs @ 12.09 hrs, Volume= 1,999 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.58 cfs @ 12.09 hrs, Volume= 1,999 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.05' @ 12.09 hrs

Flood Elev= 206.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.46' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 202.46' / 202.40' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.56 cfs @ 12.09 hrs HW=203.04' TW=202.95' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.56 cfs @ 1.74 fps)

Summary for Pond CB42: CB #42

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 2.10" for 10YR event
Inflow = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf
Outflow = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.16' @ 12.14 hrs

Flood Elev= 203.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 198.77' | 18.0" Round Culvert L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 198.77' / 198.03' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.13 cfs @ 12.14 hrs HW=200.14' TW=199.24' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 5.13 cfs @ 3.98 fps)

Summary for Pond CB43: CB #43

Inflow Area = 5,946 sf, 61.76% Impervious, Inflow Depth > 3.73" for 10YR event
Inflow = 0.57 cfs @ 12.09 hrs, Volume= 1,849 cf
Outflow = 0.57 cfs @ 12.09 hrs, Volume= 1,849 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.09 hrs, Volume= 1,849 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= 205.36' @ 12.09 hrs

Flood Elev= 207.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.73' | 12.0" Round Culvert L= 21.1' Ke= 0.200 Inlet / Outlet Invert= 204.73' / 204.62' S= 0.0052 '/ 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=205.35' TW=205.28' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.55 cfs @ 1.55 fps)**Summary for Pond CB44: CB #44**

Inflow Area = 6,236 sf, 57.31% Impervious, Inflow Depth > 3.63" for 10YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 1,885 cf
 Outflow = 0.58 cfs @ 12.09 hrs, Volume= 1,885 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.58 cfs @ 12.09 hrs, Volume= 1,885 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.36' @ 12.09 hrs

Flood Elev= 207.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.70' | 12.0" Round Culvert L= 22.0' Ke= 0.200 Inlet / Outlet Invert= 204.70' / 204.59' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.57 cfs @ 12.09 hrs HW=205.35' TW=205.28' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.57 cfs @ 1.51 fps)**Summary for Pond CB45: CB #45**

Inflow Area = 4,105 sf, 83.29% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,459 cf
 Outflow = 0.43 cfs @ 12.09 hrs, Volume= 1,459 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.43 cfs @ 12.09 hrs, Volume= 1,459 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.80' @ 12.09 hrs

Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.38' | 12.0" Round Culvert L= 11.7' Ke= 0.200 Inlet / Outlet Invert= 206.38' / 206.30' S= 0.0068 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.42 cfs @ 12.09 hrs HW=206.79' TW=206.68' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.42 cfs @ 2.02 fps)

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Summary for Pond CB46: CB #46

Inflow Area = 6,943 sf, 69.75% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,280 cf
 Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,280 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,280 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.90' @ 12.09 hrs
 Flood Elev= 209.41'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.42' | 12.0" Round Culvert L= 16.5' Ke= 0.200 Inlet / Outlet Invert= 206.42' / 206.30' S= 0.0073 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=206.89' TW=206.68' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 0.67 cfs @ 2.69 fps)

Summary for Pond CB47: CB #47

Inflow Area = 2,486 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 978 cf
 Outflow = 0.27 cfs @ 12.09 hrs, Volume= 978 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.27 cfs @ 12.09 hrs, Volume= 978 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.64' @ 12.09 hrs
 Flood Elev= 211.45'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 17.9' Ke= 0.200 Inlet / Outlet Invert= 208.34' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=208.63' TW=208.35' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.26 cfs @ 2.04 fps)

Summary for Pond CB48: CB #48

Inflow Area = 3,544 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,394 cf
 Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,394 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.39 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= 208.70' @ 12.09 hrs
 Flood Elev= 211.46'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 19.5' Ke= 0.200 |

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Inlet / Outlet Invert= 208.34' / 208.24' S= 0.0051 '/' 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=208.69' TW=208.35' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.37 cfs @ 2.26 fps)

Summary for Pond CB49: CB #49

Inflow Area = 1,263 sf, 94.54% Impervious, Inflow Depth > 4.60" for 10YR event
Inflow = 0.14 cfs @ 12.09 hrs, Volume= 485 cf
Outflow = 0.14 cfs @ 12.09 hrs, Volume= 485 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.14 cfs @ 12.09 hrs, Volume= 485 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.66' @ 12.09 hrs

Flood Elev= 213.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 210.48' | 12.0" Round Culvert L= 19.9' Ke= 0.200 Inlet / Outlet Invert= 210.48' / 210.24' S= 0.0121 '/' 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=210.66' TW=210.11' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.13 cfs @ 2.16 fps)

Summary for Pond CB5: CB#5

Inflow Area = 1,783 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
Inflow = 0.19 cfs @ 12.09 hrs, Volume= 701 cf
Outflow = 0.19 cfs @ 12.09 hrs, Volume= 701 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.19 cfs @ 12.09 hrs, Volume= 701 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.41' @ 12.09 hrs

Flood Elev= 215.32'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 212.16' | 12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 212.16' / 212.00' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.19 cfs @ 12.09 hrs HW=212.41' TW=212.08' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.19 cfs @ 1.85 fps)

Summary for Pond CB50: CB #50

Inflow Area = 1,590 sf, 95.66% Impervious, Inflow Depth > 4.60" for 10YR event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 610 cf
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 610 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 610 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= 210.34' @ 12.09 hrs

Flood Elev= 213.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.10' | 12.0" Round Culvert L= 34.1' Ke= 0.200 Inlet / Outlet Invert= 210.10' / 209.92' S= 0.0053 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=210.33' TW=210.11' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.17 cfs @ 1.80 fps)**Summary for Pond CB51: CB #51**

Inflow Area = 9,541 sf, 92.31% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,480 cf
 Outflow = 1.01 cfs @ 12.09 hrs, Volume= 3,480 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.01 cfs @ 12.09 hrs, Volume= 3,480 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.78' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.4' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.98 cfs @ 12.09 hrs HW=210.77' TW=210.18' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.98 cfs @ 2.76 fps)**Summary for Pond CB52: CB #52**

Inflow Area = 17,462 sf, 77.87% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 1.70 cfs @ 12.09 hrs, Volume= 5,581 cf
 Outflow = 1.70 cfs @ 12.09 hrs, Volume= 5,581 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.70 cfs @ 12.09 hrs, Volume= 5,581 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.01' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.2' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.66 cfs @ 12.09 hrs HW=211.00' TW=210.18' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.66 cfs @ 3.16 fps)

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Summary for Pond CB53: CB #53

Inflow Area = 6,202 sf, 91.87% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,262 cf
 Outflow = 0.66 cfs @ 12.09 hrs, Volume= 2,262 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.66 cfs @ 12.09 hrs, Volume= 2,262 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.40' @ 12.09 hrs
 Flood Elev= 217.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.93' | 12.0" Round Culvert L= 24.7' Ke= 0.500 Inlet / Outlet Invert= 213.93' / 213.77' S= 0.0065 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.64 cfs @ 12.09 hrs HW=214.40' TW=214.01' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.64 cfs @ 2.62 fps)

Summary for Pond CB54: CB #54

Inflow Area = 3,756 sf, 91.59% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,370 cf
 Outflow = 0.40 cfs @ 12.09 hrs, Volume= 1,370 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.40 cfs @ 12.09 hrs, Volume= 1,370 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.46' @ 12.09 hrs
 Flood Elev= 217.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.13' | 12.0" Round Culvert L= 38.2' Ke= 0.500 Inlet / Outlet Invert= 214.13' / 213.77' S= 0.0094 '/' 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=214.45' TW=214.01' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.39 cfs @ 2.65 fps)

Summary for Pond CB55: CB #55

Inflow Area = 19,318 sf, 48.01% Impervious, Inflow Depth > 2.76" for 10YR event
 Inflow = 1.38 cfs @ 12.10 hrs, Volume= 4,450 cf
 Outflow = 1.38 cfs @ 12.10 hrs, Volume= 4,450 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.38 cfs @ 12.10 hrs, Volume= 4,450 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 218.21' @ 12.10 hrs
 Flood Elev= 220.65'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 217.48' | 12.0" Round Culvert L= 73.1' Ke= 0.500 |

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Inlet / Outlet Invert= 217.48' / 217.10' S= 0.0052 '/ Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.37 cfs @ 12.10 hrs HW=218.20' TW=217.52' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.37 cfs @ 3.14 fps)

Summary for Pond CB56: CB #56

Inflow Area = 5,029 sf, 79.82% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.50 cfs @ 12.09 hrs, Volume= 1,651 cf
 Outflow = 0.50 cfs @ 12.09 hrs, Volume= 1,651 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.50 cfs @ 12.09 hrs, Volume= 1,651 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= 223.34'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 220.16' | 12.0" Round Culvert L= 26.6' Ke= 0.500 Inlet / Outlet Invert= 220.16' / 220.00' S= 0.0060 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=220.56' TW=220.13' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.49 cfs @ 2.42 fps)

Summary for Pond CB57: CB #57

Inflow Area = 2,370 sf, 84.43% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 799 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 799 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 799 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.43' @ 12.09 hrs

Flood Elev= 223.37'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 220.19' | 12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 220.19' / 220.01' S= 0.0149 '/ 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=220.43' TW=220.13' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.23 cfs @ 2.42 fps)

Summary for Pond CB58: CB #58

Inflow Area = 1,348 sf, 83.01% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 0.14 cfs @ 12.09 hrs, Volume= 455 cf
 Outflow = 0.14 cfs @ 12.09 hrs, Volume= 455 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.14 cfs @ 12.09 hrs, Volume= 455 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= 221.75' @ 12.09 hrs

Flood Elev= 224.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.53' | 12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0055 '/ 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=221.75' TW=221.63' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.13 cfs @ 1.57 fps)**Summary for Pond CB59: CB #59**

Inflow Area = 1,607 sf, 85.75% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.17 cfs @ 12.09 hrs, Volume= 557 cf
 Outflow = 0.17 cfs @ 12.09 hrs, Volume= 557 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.17 cfs @ 12.09 hrs, Volume= 557 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 222.19' @ 12.09 hrs

Flood Elev= 225.16'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.99' | 12.0" Round Culvert L= 37.1' Ke= 0.500 Inlet / Outlet Invert= 221.99' / 221.51' S= 0.0129 '/ 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=222.18' TW=221.63' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.16 cfs @ 1.50 fps)**Summary for Pond CB6: CB#6**

Inflow Area = 3,766 sf, 59.48% Impervious, Inflow Depth > 3.33" for 10YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,045 cf
 Outflow = 0.33 cfs @ 12.09 hrs, Volume= 1,045 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.33 cfs @ 12.09 hrs, Volume= 1,045 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.04' @ 12.09 hrs

Flood Elev= 215.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 212.76' | 12.0" Round Culvert L= 32.2' Ke= 0.500 Inlet / Outlet Invert= 212.76' / 212.27' S= 0.0152 '/ 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=213.04' TW=212.09' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 0.32 cfs @ 1.80 fps)

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Summary for Pond CB60: CB #60

Inflow Area = 3,327 sf, 100.00% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,309 cf
 Outflow = 0.36 cfs @ 12.09 hrs, Volume= 1,309 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.36 cfs @ 12.09 hrs, Volume= 1,309 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.40' @ 12.09 hrs
 Flood Elev= 205.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.04' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.04' / 201.98' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.35 cfs @ 12.09 hrs HW=202.40' TW=201.67' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.35 cfs @ 2.10 fps)

Summary for Pond CB61: CB #61

Inflow Area = 6,407 sf, 84.94% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,337 cf
 Outflow = 0.68 cfs @ 12.09 hrs, Volume= 2,337 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.68 cfs @ 12.09 hrs, Volume= 2,337 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.47' @ 12.09 hrs
 Flood Elev= 204.97'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.05' | 12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 202.05' / 201.68' S= 0.0270 '/' 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=202.46' TW=201.67' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 0.66 cfs @ 2.18 fps)

Summary for Pond CB62: CB#62

Inflow Area = 5,714 sf, 64.82% Impervious, Inflow Depth > 3.33" for 10YR event
 Inflow = 0.50 cfs @ 12.09 hrs, Volume= 1,585 cf
 Outflow = 0.50 cfs @ 12.09 hrs, Volume= 1,585 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.50 cfs @ 12.09 hrs, Volume= 1,585 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.83' @ 12.11 hrs
 Flood Elev= 209.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.20' | 12.0" Round Culvert L= 21.0' Ke= 0.500 |

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Inlet / Outlet Invert= 206.20' / 206.09' S= 0.0052 '/ Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.49 cfs @ 12.09 hrs HW=206.81' TW=206.74' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.49 cfs @ 1.40 fps)

Summary for Pond CB7: CB#7

Inflow Area = 7,403 sf, 94.92% Impervious, Inflow Depth > 4.49" for 10YR event
Inflow = 0.79 cfs @ 12.09 hrs, Volume= 2,770 cf
Outflow = 0.79 cfs @ 12.09 hrs, Volume= 2,770 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.79 cfs @ 12.09 hrs, Volume= 2,770 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.80' @ 12.09 hrs

Flood Elev= 217.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.25' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 214.17' S= 0.0053 '/ 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=214.79' TW=214.42' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.77 cfs @ 2.59 fps)

Summary for Pond CB8: CB#8

Inflow Area = 12,849 sf, 70.13% Impervious, Inflow Depth > 3.52" for 10YR event
Inflow = 1.04 cfs @ 12.14 hrs, Volume= 3,774 cf
Outflow = 1.04 cfs @ 12.14 hrs, Volume= 3,774 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.14 hrs, Volume= 3,774 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.10' @ 12.14 hrs

Flood Elev= 217.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.45' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 214.45' / 214.39' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.02 cfs @ 12.14 hrs HW=215.09' TW=214.42' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.02 cfs @ 2.74 fps)

Summary for Pond CB9: CB #9

Inflow Area = 7,062 sf, 54.59% Impervious, Inflow Depth > 3.53" for 10YR event
Inflow = 0.64 cfs @ 12.09 hrs, Volume= 2,076 cf
Outflow = 0.64 cfs @ 12.09 hrs, Volume= 2,076 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.64 cfs @ 12.09 hrs, Volume= 2,076 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= 210.21' @ 12.09 hrs

Flood Elev= 212.91'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.72' | 12.0" Round Culvert L= 15.8' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.64' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.63 cfs @ 12.09 hrs HW=210.20' TW=209.36' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.63 cfs @ 2.44 fps)

Summary for Pond D1: DMH#1

Inflow Area = 96,220 sf, 64.29% Impervious, Inflow Depth > 3.35" for 10YR event
Inflow = 7.63 cfs @ 12.10 hrs, Volume= 26,895 cf
Outflow = 7.63 cfs @ 12.10 hrs, Volume= 26,895 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.63 cfs @ 12.10 hrs, Volume= 26,895 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.05' @ 12.10 hrs

Flood Elev= 208.64'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.64' | 24.0" Round Culvert L= 86.9' Ke= 0.500 Inlet / Outlet Invert= 202.64' / 202.19' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=7.58 cfs @ 12.10 hrs HW=204.05' TW=196.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 7.58 cfs @ 4.51 fps)

Summary for Pond D10: DMH #10

Inflow Area = 24,201 sf, 62.98% Impervious, Inflow Depth > 3.73" for 10YR event
Inflow = 2.31 cfs @ 12.09 hrs, Volume= 7,529 cf
Outflow = 2.31 cfs @ 12.09 hrs, Volume= 7,529 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.31 cfs @ 12.09 hrs, Volume= 7,529 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.11' @ 12.09 hrs

Flood Elev= 209.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.17' | 15.0" Round Culvert L= 240.0' Ke= 0.500 Inlet / Outlet Invert= 202.17' / 200.97' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.25 cfs @ 12.09 hrs HW=203.10' TW=202.04' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.25 cfs @ 3.21 fps)

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Summary for Pond D11: DMH #11

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 3.78" for 10YR event
 Inflow = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf
 Outflow = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.06' @ 12.09 hrs
 Flood Elev= 206.82'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.87' | 15.0" Round Culvert L= 221.7' Ke= 0.500 Inlet / Outlet Invert= 200.87' / 199.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.68 cfs @ 12.09 hrs HW=202.04' TW=200.51' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 3.68 cfs @ 4.01 fps)

Summary for Pond D12: DMH #12

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 3.78" for 10YR event
 Inflow = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf
 Outflow = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.77 cfs @ 12.09 hrs, Volume= 12,328 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 200.53' @ 12.09 hrs
 Flood Elev= 204.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.41' | 18.0" Round Culvert L= 30.2' Ke= 0.500 Inlet / Outlet Invert= 199.41' / 199.26' S= 0.0050 '/' 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=200.51' TW=196.09' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 3.68 cfs @ 3.69 fps)

Summary for Pond D13: DMH #13

Inflow Area = 19,696 sf, 82.00% Impervious, Inflow Depth > 3.72" for 10YR event
 Inflow = 1.87 cfs @ 12.09 hrs, Volume= 6,109 cf
 Outflow = 1.87 cfs @ 12.09 hrs, Volume= 6,109 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.87 cfs @ 12.09 hrs, Volume= 6,109 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 200.98' @ 12.09 hrs
 Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.17' | 15.0" Round Culvert L= 26.4' Ke= 0.500 |

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Inlet / Outlet Invert= 200.17' / 200.04' S= 0.0049 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.83 cfs @ 12.09 hrs HW=200.97' TW=196.09' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.83 cfs @ 3.15 fps)

Summary for Pond D14: DMH #14

Inflow Area = 18,453 sf, 86.56% Impervious, Inflow Depth > 4.41" for 10YR event
Inflow = 1.96 cfs @ 12.09 hrs, Volume= 6,785 cf
Outflow = 1.96 cfs @ 12.09 hrs, Volume= 6,785 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.96 cfs @ 12.09 hrs, Volume= 6,785 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= 208.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.15' | 15.0" Round Culvert L= 139.7' Ke= 0.500 Inlet / Outlet Invert= 204.15' / 203.45' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.90 cfs @ 12.09 hrs HW=204.93' TW=204.05' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.90 cfs @ 3.38 fps)

Summary for Pond D15: DMH #15

Inflow Area = 30,959 sf, 85.35% Impervious, Inflow Depth > 4.41" for 10YR event
Inflow = 3.27 cfs @ 12.09 hrs, Volume= 11,367 cf
Outflow = 3.27 cfs @ 12.09 hrs, Volume= 11,367 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.27 cfs @ 12.09 hrs, Volume= 11,367 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.07' @ 12.09 hrs

Flood Elev= 209.35'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.10' | 18.0" Round Culvert L= 161.8' Ke= 0.500 Inlet / Outlet Invert= 203.10' / 202.29' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=3.19 cfs @ 12.09 hrs HW=204.05' TW=202.95' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.19 cfs @ 3.84 fps)

Summary for Pond D16: DMH #16

Inflow Area = 12,506 sf, 83.55% Impervious, Inflow Depth > 4.40" for 10YR event
Inflow = 1.32 cfs @ 12.09 hrs, Volume= 4,582 cf
Outflow = 1.32 cfs @ 12.09 hrs, Volume= 4,582 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.32 cfs @ 12.09 hrs, Volume= 4,582 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= 205.16' @ 12.09 hrs

Flood Elev= 208.43'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.46' | 12.0" Round Culvert L= 110.6' Ke= 0.500 Inlet / Outlet Invert= 204.46' / 203.90' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.28 cfs @ 12.09 hrs HW=205.15' TW=204.05' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.28 cfs @ 3.11 fps)**Summary for Pond D17: DMH #17**

Inflow Area = 41,419 sf, 86.20% Impervious, Inflow Depth > 4.43" for 10YR event
 Inflow = 4.39 cfs @ 12.09 hrs, Volume= 15,277 cf
 Outflow = 4.39 cfs @ 12.09 hrs, Volume= 15,277 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.39 cfs @ 12.09 hrs, Volume= 15,277 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.97' @ 12.09 hrs

Flood Elev= 206.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 201.80' | 18.0" Round Culvert L= 129.0' Ke= 0.500 Inlet / Outlet Invert= 201.80' / 201.15' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.27 cfs @ 12.09 hrs HW=202.95' TW=201.67' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 4.27 cfs @ 4.08 fps)**Summary for Pond D18: DMH #18**

Inflow Area = 51,153 sf, 86.94% Impervious, Inflow Depth > 4.44" for 10YR event
 Inflow = 5.43 cfs @ 12.09 hrs, Volume= 18,922 cf
 Outflow = 5.43 cfs @ 12.09 hrs, Volume= 18,922 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.43 cfs @ 12.09 hrs, Volume= 18,922 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.69' @ 12.09 hrs

Flood Elev= 205.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.55' | 24.0" Round Culvert L= 150.4' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 199.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=5.29 cfs @ 12.09 hrs HW=201.67' TW=197.46' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 5.29 cfs @ 4.23 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 152,351 sf, 81.62% Impervious, Inflow Depth > 4.14" for 10YR event
Inflow = 15.48 cfs @ 12.09 hrs, Volume= 52,547 cf
Outflow = 15.48 cfs @ 12.09 hrs, Volume= 52,547 cf, Atten= 0%, Lag= 0.0 min
Primary = 15.48 cfs @ 12.09 hrs, Volume= 52,547 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.51' @ 12.09 hrs
Flood Elev= 205.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 195.10' | 24.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 195.10' / 195.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=15.11 cfs @ 12.09 hrs HW=197.47' TW=193.15' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 15.11 cfs @ 5.13 fps)

Summary for Pond D2: DMH#2

Inflow Area = 74,546 sf, 59.71% Impervious, Inflow Depth > 3.18" for 10YR event
Inflow = 5.51 cfs @ 12.11 hrs, Volume= 19,778 cf
Outflow = 5.51 cfs @ 12.11 hrs, Volume= 19,778 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.51 cfs @ 12.11 hrs, Volume= 19,778 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.77' @ 12.11 hrs
Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 205.59' | 18.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 205.59' / 204.46' S= 0.0146 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.41 cfs @ 12.11 hrs HW=206.76' TW=204.03' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 5.41 cfs @ 3.68 fps)

Summary for Pond D20: DMH #20

Inflow Area = 6,580 sf, 85.38% Impervious, Inflow Depth > 4.43" for 10YR event
Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,432 cf
Outflow = 0.70 cfs @ 12.09 hrs, Volume= 2,432 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.70 cfs @ 12.09 hrs, Volume= 2,432 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.48' @ 12.09 hrs
Flood Elev= 204.77'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.02' | 12.0" Round Culvert L= 131.9' Ke= 0.500 |

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Inlet / Outlet Invert= 197.02' / 195.90' S= 0.0085 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.68 cfs @ 12.09 hrs HW=197.48' TW=196.52' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.68 cfs @ 2.86 fps)

Summary for Pond D21: DMH #21

Inflow Area = 27,407 sf, 68.98% Impervious, Inflow Depth > 4.06" for 10YR event
Inflow = 2.77 cfs @ 12.09 hrs, Volume= 9,271 cf
Outflow = 2.77 cfs @ 12.09 hrs, Volume= 9,271 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.77 cfs @ 12.09 hrs, Volume= 9,271 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.54' @ 12.09 hrs

Flood Elev= 198.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 195.55' | 15.0" Round Culvert L= 75.6' Ke= 0.500 Inlet / Outlet Invert= 195.55' / 195.17' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.70 cfs @ 12.09 hrs HW=196.52' TW=195.10' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.70 cfs @ 3.62 fps)

Summary for Pond D22: DMH #22

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 1.62" for 10YR event
Inflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf
Outflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.35' @ 12.11 hrs

Flood Elev= 206.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.02' | 12.0" Round Culvert L= 11.1' Ke= 0.500 Inlet / Outlet Invert= 196.02' / 195.96' S= 0.0054 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.11 hrs HW=196.35' TW=195.57' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.03 fps)

Summary for Pond D23: DMH #23

Inflow Area = 79,150 sf, 77.06% Impervious, Inflow Depth > 3.98" for 10YR event
Inflow = 7.84 cfs @ 12.09 hrs, Volume= 26,240 cf
Outflow = 7.84 cfs @ 12.09 hrs, Volume= 26,240 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.84 cfs @ 12.09 hrs, Volume= 26,240 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= 198.92' @ 12.09 hrs

Flood Elev= 207.57'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.50' | 24.0" Round Culvert L= 231.7' Ke= 0.500 Inlet / Outlet Invert= 197.50' / 196.34' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=7.65 cfs @ 12.09 hrs HW=198.89' TW=197.47' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 7.65 cfs @ 4.62 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 73,707 sf, 76.30% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 7.26 cfs @ 12.09 hrs, Volume= 24,220 cf
 Outflow = 7.26 cfs @ 12.09 hrs, Volume= 24,220 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.26 cfs @ 12.09 hrs, Volume= 24,220 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.33' @ 12.09 hrs

Flood Elev= 205.75'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 198.95' | 24.0" Round Culvert L= 261.4' Ke= 0.500 Inlet / Outlet Invert= 198.95' / 197.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=7.09 cfs @ 12.09 hrs HW=200.31' TW=198.89' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 7.09 cfs @ 4.41 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 41,971 sf, 75.59% Impervious, Inflow Depth > 3.76" for 10YR event
 Inflow = 3.99 cfs @ 12.09 hrs, Volume= 13,153 cf
 Outflow = 3.99 cfs @ 12.09 hrs, Volume= 13,153 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.99 cfs @ 12.09 hrs, Volume= 13,153 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.34' @ 12.09 hrs

Flood Elev= 205.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.25' | 18.0" Round Culvert L= 139.0' Ke= 0.500 Inlet / Outlet Invert= 200.25' / 199.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=3.90 cfs @ 12.09 hrs HW=201.33' TW=200.31' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.90 cfs @ 4.01 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 34,111 sf, 79.72% Impervious, Inflow Depth > 3.79" for 10YR event
 Inflow = 3.26 cfs @ 12.09 hrs, Volume= 10,780 cf
 Outflow = 3.26 cfs @ 12.09 hrs, Volume= 10,780 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.26 cfs @ 12.09 hrs, Volume= 10,780 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.07' @ 12.09 hrs
 Flood Elev= 205.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 201.03' | 18.0" Round Culvert L= 130.0' Ke= 0.500 Inlet / Outlet Invert= 201.03' / 200.35' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=3.19 cfs @ 12.09 hrs HW=202.06' TW=201.33' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 3.19 cfs @ 3.49 fps)

Summary for Pond D27: DMH #27

Inflow Area = 32,113 sf, 75.52% Impervious, Inflow Depth > 4.09" for 10YR event
 Inflow = 3.23 cfs @ 12.09 hrs, Volume= 10,940 cf
 Outflow = 3.23 cfs @ 12.09 hrs, Volume= 10,940 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.23 cfs @ 12.09 hrs, Volume= 10,940 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.29' @ 12.09 hrs
 Flood Elev= 208.27'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.24' | 15.0" Round Culvert L= 101.4' Ke= 0.200 Inlet / Outlet Invert= 204.24' / 203.73' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.15 cfs @ 12.09 hrs HW=205.28' TW=201.13' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 3.15 cfs @ 3.93 fps)

Summary for Pond D28: DMH #28

Inflow Area = 19,931 sf, 85.33% Impervious, Inflow Depth > 4.34" for 10YR event
 Inflow = 2.08 cfs @ 12.09 hrs, Volume= 7,206 cf
 Outflow = 2.08 cfs @ 12.09 hrs, Volume= 7,206 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.08 cfs @ 12.09 hrs, Volume= 7,206 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.69' @ 12.09 hrs
 Flood Elev= 209.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 205.98' | 15.0" Round Culvert L= 134.2' Ke= 0.200 |

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Inlet / Outlet Invert= 205.98' / 204.84' S= 0.0085 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.03 cfs @ 12.09 hrs HW=206.68' TW=205.28' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.03 cfs @ 4.17 fps)

Summary for Pond D29: DMH #29

Inflow Area = 8,883 sf, 98.45% Impervious, Inflow Depth > 4.68" for 10YR event
Inflow = 0.96 cfs @ 12.09 hrs, Volume= 3,467 cf
Outflow = 0.96 cfs @ 12.09 hrs, Volume= 3,467 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.96 cfs @ 12.09 hrs, Volume= 3,467 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= 211.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.89' | 15.0" Round Culvert L= 194.7' Ke= 0.200 Inlet / Outlet Invert= 207.89' / 206.08' S= 0.0093 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=208.35' TW=206.68' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.94 cfs @ 3.38 fps)

Summary for Pond D3: DMH#3

Inflow Area = 58,126 sf, 63.23% Impervious, Inflow Depth > 3.31" for 10YR event
Inflow = 4.40 cfs @ 12.11 hrs, Volume= 16,040 cf
Outflow = 4.40 cfs @ 12.11 hrs, Volume= 16,040 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.40 cfs @ 12.11 hrs, Volume= 16,040 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.23' @ 12.11 hrs

Flood Elev= 212.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.21' | 18.0" Round Culvert L= 162.6' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 205.69' S= 0.0155 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.32 cfs @ 12.11 hrs HW=209.22' TW=206.75' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 4.32 cfs @ 3.42 fps)

Summary for Pond D30: DMH #30

Inflow Area = 2,853 sf, 95.16% Impervious, Inflow Depth > 4.60" for 10YR event
Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,095 cf
Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,095 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,095 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= 210.11' @ 12.09 hrs

Flood Elev= 213.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 209.82' | 12.0" Round Culvert L= 210.6' Ke= 0.200 Inlet / Outlet Invert= 209.82' / 208.37' S= 0.0069 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=210.11' TW=208.35' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.39 fps)**Summary for Pond D31: DMH #31**

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 3.71" for 10YR event
 Inflow = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf
 Outflow = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.20' @ 12.09 hrs

Flood Elev= 213.21'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 24.0" Round Culvert L= 172.9' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.07' 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=210.19' TW=209.18' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 6.04 cfs @ 4.15 fps)**Summary for Pond D32: DMH #32**

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 3.71" for 10YR event
 Inflow = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf
 Outflow = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.17 cfs @ 12.09 hrs, Volume= 20,605 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.19' @ 12.09 hrs

Flood Elev= 213.72'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.97' | 24.0" Round Culvert L= 145.3' Ke= 0.500 Inlet / Outlet Invert= 207.97' / 207.24' 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=209.18' TW=204.98' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 6.04 cfs @ 4.37 fps)

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Summary for Pond D33: DMH #33

Inflow Area = 39,630 sf, 67.94% Impervious, Inflow Depth > 3.50" for 10YR event
Inflow = 3.46 cfs @ 12.09 hrs, Volume= 11,544 cf
Outflow = 3.46 cfs @ 12.09 hrs, Volume= 11,544 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.46 cfs @ 12.09 hrs, Volume= 11,544 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 214.02' @ 12.09 hrs
Flood Elev= 216.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.14' | 18.0" Round Culvert L= 239.6' Ke= 0.500 Inlet / Outlet Invert= 213.14' / 209.53' S= 0.0151 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=3.41 cfs @ 12.09 hrs HW=214.01' TW=210.19' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 3.41 cfs @ 3.18 fps)

Summary for Pond D34: DMH #34

Inflow Area = 29,672 sf, 59.94% Impervious, Inflow Depth > 3.20" for 10YR event
Inflow = 2.41 cfs @ 12.10 hrs, Volume= 7,912 cf
Outflow = 2.41 cfs @ 12.10 hrs, Volume= 7,912 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.41 cfs @ 12.10 hrs, Volume= 7,912 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 217.53' @ 12.10 hrs
Flood Elev= 220.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 216.75' | 15.0" Round Culvert L= 197.2' Ke= 0.500 Inlet / Outlet Invert= 216.75' / 213.49' S= 0.0165 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.39 cfs @ 12.10 hrs HW=217.52' TW=214.02' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 2.39 cfs @ 2.99 fps)

Summary for Pond D35: DMH #35

Inflow Area = 10,354 sf, 82.21% Impervious, Inflow Depth > 4.01" for 10YR event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 3,462 cf
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 3,462 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 3,462 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 220.13' @ 12.09 hrs
Flood Elev= 223.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 219.65' | 15.0" Round Culvert L= 119.8' Ke= 0.500 |

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Inlet / Outlet Invert= 219.65' / 217.45' S= 0.0184 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.01 cfs @ 12.09 hrs HW=220.13' TW=217.51' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.01 cfs @ 2.35 fps)

Summary for Pond D36: DMH #36

Inflow Area = 2,955 sf, 84.50% Impervious, Inflow Depth > 4.11" for 10YR event
Inflow = 0.30 cfs @ 12.09 hrs, Volume= 1,011 cf
Outflow = 0.30 cfs @ 12.09 hrs, Volume= 1,011 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.30 cfs @ 12.09 hrs, Volume= 1,011 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.64' @ 12.09 hrs

Flood Elev= 224.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.35' | 12.0" Round Culvert L= 183.7' Ke= 0.500 Inlet / Outlet Invert= 221.35' / 220.01' S= 0.0073 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.29 cfs @ 12.09 hrs HW=221.63' TW=220.13' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.29 cfs @ 2.41 fps)

Summary for Pond D37: DMH #37

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 2.10" for 10YR event
Inflow = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf
Outflow = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.21 cfs @ 12.14 hrs, Volume= 15,219 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.25' @ 12.14 hrs

Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.93' | 18.0" Round Culvert L= 91.7' Ke= 0.500 Inlet / Outlet Invert= 197.93' / 197.47' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.13 cfs @ 12.14 hrs HW=199.24' TW=198.12' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 5.13 cfs @ 4.19 fps)

Summary for Pond D38: DMH #38

Inflow Area = 105,070 sf, 53.12% Impervious, Inflow Depth > 1.81" for 10YR event
Inflow = 5.42 cfs @ 12.15 hrs, Volume= 15,820 cf
Outflow = 5.42 cfs @ 12.15 hrs, Volume= 15,820 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.42 cfs @ 12.15 hrs, Volume= 15,820 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= 198.13' @ 12.15 hrs

Flood Elev= 207.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.98' | 24.0" Round Culvert L= 96.5' Ke= 0.500 Inlet / Outlet Invert= 196.98' / 196.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=5.41 cfs @ 12.15 hrs HW=198.13' TW=0.00' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 5.41 cfs @ 4.15 fps)

Summary for Pond D39: DMH #39

[61] Hint: Exceeded Reach 16R outlet invert by 0.22' @ 12.10 hrs

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 1.62" for 10YR event
Inflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf
Outflow = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.11 hrs, Volume= 1,023 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.91' @ 12.11 hrs

Flood Elev= 201.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.59' | 12.0" Round Culvert L= 94.6' Ke= 0.500 Inlet / Outlet Invert= 196.59' / 196.12' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.11 hrs HW=196.91' TW=196.35' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.12 fps)

Summary for Pond D4: DMH#4

Inflow Area = 25,801 sf, 77.75% Impervious, Inflow Depth > 3.86" for 10YR event
Inflow = 2.29 cfs @ 12.10 hrs, Volume= 8,290 cf
Outflow = 2.29 cfs @ 12.10 hrs, Volume= 8,290 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.29 cfs @ 12.10 hrs, Volume= 8,290 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.10' @ 12.10 hrs

Flood Elev= 215.44'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.40' | 18.0" Round Culvert L= 207.6' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 208.37' S= 0.0146 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.27 cfs @ 12.10 hrs HW=212.09' TW=209.22' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.27 cfs @ 2.84 fps)

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Summary for Pond D5: DMH#5

Inflow Area = 20,252 sf, 79.19% Impervious, Inflow Depth > 3.88" for 10YR event
 Inflow = 1.78 cfs @ 12.11 hrs, Volume= 6,544 cf
 Outflow = 1.78 cfs @ 12.11 hrs, Volume= 6,544 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.78 cfs @ 12.11 hrs, Volume= 6,544 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.44' @ 12.11 hrs
 Flood Elev= 217.56'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.79' | 15.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 213.79' / 212.00' S= 0.0137 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.75 cfs @ 12.11 hrs HW=214.44' TW=212.09' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 1.75 cfs @ 2.74 fps)

Summary for Pond D6: DMH #6

Inflow Area = 12,554 sf, 74.45% Impervious, Inflow Depth > 4.05" for 10YR event
 Inflow = 1.24 cfs @ 12.09 hrs, Volume= 4,236 cf
 Outflow = 1.24 cfs @ 12.09 hrs, Volume= 4,236 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.24 cfs @ 12.09 hrs, Volume= 4,236 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.37' @ 12.09 hrs
 Flood Elev= 213.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.77' | 18.0" Round Culvert L= 118.1' Ke= 0.500 Inlet / Outlet Invert= 208.77' / 208.18' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.21 cfs @ 12.09 hrs HW=209.36' TW=208.75' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 1.21 cfs @ 2.77 fps)

Summary for Pond D7: DMH #7

Inflow Area = 17,415 sf, 70.17% Impervious, Inflow Depth > 3.93" for 10YR event
 Inflow = 1.70 cfs @ 12.09 hrs, Volume= 5,707 cf
 Outflow = 1.70 cfs @ 12.09 hrs, Volume= 5,707 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.70 cfs @ 12.09 hrs, Volume= 5,707 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= 214.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.08' | 18.0" Round Culvert L= 302.5' Ke= 0.500 |

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Inlet / Outlet Invert= 208.08' / 206.57' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=1.65 cfs @ 12.09 hrs HW=208.75' TW=207.24' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 1.65 cfs @ 3.18 fps)

Summary for Pond D8: DMH #8

Inflow Area = 31,356 sf, 66.18% Impervious, Inflow Depth > 3.82" for 10YR event
Inflow = 3.01 cfs @ 12.09 hrs, Volume= 9,984 cf
Outflow = 3.01 cfs @ 12.09 hrs, Volume= 9,984 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.01 cfs @ 12.09 hrs, Volume= 9,984 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 207.25' @ 12.09 hrs
Flood Elev= 213.05'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.33' | 18.0" Round Culvert L= 91.3' Ke= 0.500 Inlet / Outlet Invert= 206.33' / 205.83' S= 0.0055 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.94 cfs @ 12.09 hrs HW=207.24' TW=201.13' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 2.94 cfs @ 3.76 fps)

Summary for Pond D9: DMH #9

Inflow Area = 5,322 sf, 63.89% Impervious, Inflow Depth > 3.75" for 10YR event
Inflow = 0.51 cfs @ 12.09 hrs, Volume= 1,663 cf
Outflow = 0.51 cfs @ 12.09 hrs, Volume= 1,663 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.51 cfs @ 12.09 hrs, Volume= 1,663 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 207.38' @ 12.09 hrs
Flood Elev= 212.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.02' | 12.0" Round Culvert L= 277.2' Ke= 0.500 Inlet / Outlet Invert= 207.02' / 202.80' S= 0.0152 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.09 hrs HW=207.37' TW=203.10' (Dynamic Tailwater)

↑1=Culvert (Inlet Controls 0.50 cfs @ 2.02 fps)

Summary for Pond DE1: DRIP #1

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
Discarded = 0.02 cfs @ 11.25 hrs, Volume= 759 cf
Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 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= 223.88' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)
 Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | | |
|---------------------|----------------------|---------------|--|---------------------------|--|
| #1 | 221.99' | 390 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 | 322 | 0.0 | 0 | 0 | |
| 222.00 | 322 | 40.0 | 1 | 1 | |
| 224.99 | 322 | 40.0 | 385 | 386 | |
| 225.00 | 322 | 100.0 | 3 | 390 | |

| 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=223.87' 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 DE10: DRIP #10

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 694 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= 213.17' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.9 min calculated for 889 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | | |
|--------|---------|---------------|--|--|--|
| #1 | 211.29' | 351 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 211.29 | 290 | 0.0 | 0 | 0 |
| 211.30 | 290 | 40.0 | 1 | 1 |
| 214.29 | 290 | 40.0 | 347 | 348 |
| 214.30 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=213.16' TW=201.47' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE11: DRIP #11

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 = 0.18 cfs @ 12.21 hrs, Volume= 1,000 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 775 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= 212.50' @ 12.21 hrs Surf.Area= 322 sf Storage= 245 cf

Plug-Flow detention time= 65.8 min calculated for 1,000 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 210.59' | 390 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 | 322 | 0.0 | 0 | 0 |
| 210.60 | 322 | 40.0 | 1 | 1 |
| 213.59 | 322 | 40.0 | 385 | 386 |
| 213.60 | 322 | 100.0 | 3 | 390 |

| 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 |

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Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ 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=210.63' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.21 hrs HW=212.49' TW=201.48' (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 = 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 = 0.18 cfs @ 12.21 hrs, Volume= 1,000 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 775 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= 211.80' @ 12.21 hrs Surf.Area= 322 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 998 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 209.89' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 209.89 | 322 | 0.0 | 0 |
| 209.90 | 322 | 40.0 | 1 |
| 212.89 | 322 | 40.0 | 385 |
| 212.90 | 322 | 100.0 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=209.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.21 hrs HW=211.79' TW=201.48' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)

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Summary for Pond DE13: DRIP #13

Inflow Area = 2,333 sf, 88.43% 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= 34%, Lag= 6.2 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 654 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 196 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.87' @ 12.19 hrs Surf.Area= 270 sf Storage= 203 cf

Plug-Flow detention time= 65.4 min calculated for 849 cf (100% of inflow)
 Center-of-Mass det. time= 65.1 min (833.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 208.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 209.00 | 270 | 40.0 | 1 | 1 |
| 211.99 | 270 | 40.0 | 323 | 324 |
| 212.00 | 270 | 100.0 | 3 | 327 |

| 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 @ 11.15 hrs HW=209.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.19 hrs HW=210.86' TW=201.44' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE14: DRIP #14

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.21 cfs @ 12.09 hrs, Volume= 719 cf
 Outflow = 0.10 cfs @ 12.25 hrs, Volume= 718 cf, Atten= 50%, Lag= 9.9 min
 Discarded = 0.01 cfs @ 11.10 hrs, Volume= 598 cf
 Primary = 0.09 cfs @ 12.25 hrs, Volume= 120 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.16' @ 12.25 hrs Surf.Area= 268 sf Storage= 190 cf

Plug-Flow detention time= 68.2 min calculated for 718 cf (100% of inflow)

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Center-of-Mass det. time= 68.1 min (836.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.39' | 324 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 | 268 | 0.0 | 0 | 0 |
| 208.40 | 268 | 40.0 | 1 | 1 |
| 211.39 | 268 | 40.0 | 321 | 322 |
| 211.40 | 268 | 100.0 | 3 | 324 |

| 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=0.01 cfs @ 11.10 hrs HW=208.40' (Free Discharge)
 ↳3=Exfiltration (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.09 cfs @ 12.25 hrs HW=210.16' TW=201.59' (Dynamic Tailwater)
 ↳1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
 ↳2=Culvert (Barrel Controls 0.09 cfs @ 1.66 fps)

Summary for Pond DE15: DRIP #15

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 694 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= 65.9 min calculated for 889 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| 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 |

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| 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=0.14 cfs @ 12.20 hrs HW=209.66' TW=201.47' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE16: DRIP #16

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= 208.81' @ 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 | 207.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.09 | 290 | 0.0 | 0 | 0 |
| 207.10 | 290 | 40.0 | 1 | 1 |
| 210.09 | 290 | 40.0 | 347 | 348 |
| 210.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.00' | 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 | 208.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.60' / 208.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 11.50 hrs HW=207.12' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.06 cfs @ 12.34 hrs HW=208.81' TW=201.78' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)**Summary for Pond DE17: DRIP #17**

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 694 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= 207.97' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.9 min calculated for 889 cf (100% of inflow)

Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 290 | 0.0 | 0 | 0 |
| 206.10 | 290 | 40.0 | 1 | 1 |
| 209.09 | 290 | 40.0 | 347 | 348 |
| 209.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=206.12' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=207.96' TW=201.47' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

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Summary for Pond DE18: DRIP #18

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= 207.11' @ 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 | 205.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 205.39 | 290 | 0.0 | 0 | 0 |
| 205.40 | 290 | 40.0 | 1 | 1 |
| 208.39 | 290 | 40.0 | 347 | 348 |
| 208.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.30' | 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 | 206.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.90' / 206.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 205.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=205.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.06 cfs @ 12.34 hrs HW=207.11' TW=201.78' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)

Summary for Pond DE19: DRIP #19

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 694 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= 206.27' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.9 min calculated for 889 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 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 | 0 |
| 204.40 | 290 | 40.0 | 1 | 1 |
| 207.39 | 290 | 40.0 | 347 | 348 |
| 207.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=204.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=206.26' TW=198.01' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond 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 = 0.07 cfs @ 12.37 hrs, Volume= 648 cf, Atten= 65%, Lag= 17.0 min
 Discarded = 0.02 cfs @ 11.30 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= 223.49' @ 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 | 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 |

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| 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 | 223.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.30' / 223.25' 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=0.05 cfs @ 12.37 hrs HW=223.49' TW=218.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.05 cfs @ 1.43 fps)

Summary for Pond DE20: DRIP #20

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.08 cfs @ 12.41 hrs, Volume= 891 cf, Atten= 69%, Lag= 19.3 min
 Discarded = 0.06 cfs @ 11.80 hrs, Volume= 874 cf
 Primary = 0.02 cfs @ 12.41 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.33' @ 12.41 hrs Surf.Area= 290 sf Storage= 190 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 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 203.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.06 cfs @ 11.80 hrs HW=203.74' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.02 cfs @ 12.41 hrs HW=205.32' TW=198.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.02 cfs @ 1.15 fps)

Summary for Pond DE21: DRIP #21

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

| | | |
|---------------|---|----------------------------------|
| 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 = | 0.06 cfs @ 11.90 hrs, Volume= | 684 cf, Atten= 72%, Lag= 0.0 min |
| Discarded = | 0.06 cfs @ 11.90 hrs, Volume= | 684 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= 204.05' @ 12.43 hrs Surf.Area= 290 sf Storage= 123 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 10.1 min (783.4 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 202.99' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 202.99 | 290 | 0.0 | 0 0 |
| 203.00 | 290 | 40.0 | 1 1 |
| 205.99 | 290 | 40.0 | 347 348 |
| 206.00 | 290 | 100.0 | 3 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 204.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.90 hrs HW=203.05' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.99' TW=198.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

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Summary for Pond DE22: DRIP #22

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 3.73" for 10YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 597 cf
 Outflow = 0.06 cfs @ 11.95 hrs, Volume= 597 cf, Atten= 70%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.95 hrs, Volume= 597 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= 203.46' @ 12.42 hrs Surf.Area= 290 sf Storage= 101 cf

Plug-Flow detention time= 8.4 min calculated for 596 cf (100% of inflow)
 Center-of-Mass det. time= 8.4 min (802.6 - 794.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 202.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.59 | 290 | 0.0 | 0 | 0 |
| 202.60 | 290 | 40.0 | 1 | 1 |
| 205.59 | 290 | 40.0 | 347 | 348 |
| 205.60 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.50' | 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 | 204.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.10' / 204.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.59' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.95 hrs HW=202.65' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.59' TW=198.00' (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 = 1,970 sf, 86.40% Impervious, Inflow Depth > 3.83" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 630 cf
 Outflow = 0.05 cfs @ 11.80 hrs, Volume= 630 cf, Atten= 73%, Lag= 0.0 min
 Discarded = 0.05 cfs @ 11.80 hrs, Volume= 630 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= 204.02' @ 12.45 hrs Surf.Area= 268 sf Storage= 121 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 11.3 min (801.9 - 790.5)

| Volume | Invert | Avail.Storage | Storage Description | | |
|---------------------|----------------------|---------------|--|---------------------------|--|
| #1 | 202.89' | 324 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) | |
| 202.89 | 268 | 0.0 | 0 | 0 | |
| 202.90 | 268 | 40.0 | 1 | 1 | |
| 205.89 | 268 | 40.0 | 321 | 322 | |
| 205.90 | 268 | 100.0 | 3 | 324 | |

| Device | Routing | Invert | Outlet Devices | |
|--------|-----------|---------|--|--|
| #1 | Primary | 205.80' | 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 | 204.40' | 4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 204.40' / 204.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf | |
| #3 | Discarded | 202.89' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' | |

Discarded OutFlow Max=0.05 cfs @ 11.80 hrs HW=202.90' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.00 cfs @ 0.00 hrs HW=202.89' TW=195.50' (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 = 2,741 sf, 88.25% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 900 cf
 Outflow = 0.06 cfs @ 11.80 hrs, Volume= 900 cf, Atten= 77%, Lag= 0.0 min
 Discarded = 0.06 cfs @ 11.80 hrs, Volume= 900 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= 204.25' @ 12.49 hrs Surf.Area= 322 sf Storage= 201 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 16.6 min (803.2 - 786.6)

| Volume | Invert | Avail.Storage | Storage Description | | |
|--------|---------|---------------|--|--|--|
| #1 | 202.69' | 390 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 202.69 | 322 | 0.0 | 0 | 0 |
| 202.70 | 322 | 40.0 | 1 | 1 |
| 205.69 | 322 | 40.0 | 385 | 386 |
| 205.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.60' | 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 | 204.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 204.65' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.80 hrs HW=202.72' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=202.69' TW=198.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Controls 0.00 cfs)

Summary for Pond DE25: DRIP #25

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 802 cf
 Outflow = 0.13 cfs @ 12.23 hrs, Volume= 802 cf, Atten= 47%, Lag= 8.7 min
 Discarded = 0.02 cfs @ 11.40 hrs, Volume= 641 cf
 Primary = 0.11 cfs @ 12.23 hrs, Volume= 161 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.50' @ 12.23 hrs Surf.Area= 290 sf Storage= 210 cf

Plug-Flow detention time= 71.1 min calculated for 800 cf (100% of inflow)
 Center-of-Mass det. time= 70.8 min (857.5 - 786.6)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
 #3 Discarded 203.69' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 11.40 hrs HW=203.73' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.11 cfs @ 12.23 hrs HW=205.50' TW=198.06' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.11 cfs @ 1.76 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.19 cfs @ 12.09 hrs, Volume= 631 cf
 Outflow = 0.06 cfs @ 12.39 hrs, Volume= 631 cf, Atten= 67%, Lag= 18.3 min
 Discarded = 0.02 cfs @ 11.35 hrs, Volume= 569 cf
 Primary = 0.05 cfs @ 12.39 hrs, Volume= 62 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.08' @ 12.39 hrs Surf.Area= 290 sf Storage= 196 cf

Plug-Flow detention time= 76.1 min calculated for 629 cf (100% of inflow)
 Center-of-Mass det. time= 75.8 min (862.4 - 786.6)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 |
| 204.40 | 290 | 40.0 | 1 |
| 207.39 | 290 | 40.0 | 347 |
| 207.40 | 290 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.35 hrs HW=204.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.05 cfs @ 12.39 hrs HW=206.08' TW=198.06' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.05 cfs @ 1.39 fps)

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Summary for Pond DE27: DRIP #27

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 3.94" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 647 cf
 Outflow = 0.17 cfs @ 12.14 hrs, Volume= 647 cf, Atten= 15%, Lag= 3.2 min
 Discarded = 0.01 cfs @ 11.45 hrs, Volume= 446 cf
 Primary = 0.15 cfs @ 12.14 hrs, Volume= 200 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.98' @ 12.14 hrs Surf.Area= 268 sf Storage= 95 cf

Plug-Flow detention time= 19.6 min calculated for 645 cf (100% of inflow)
 Center-of-Mass det. time= 19.4 min (806.1 - 786.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.09' | 217 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 268 | 0.0 | 0 | 0 |
| 206.10 | 268 | 40.0 | 1 | 1 |
| 208.09 | 268 | 40.0 | 213 | 214 |
| 208.10 | 268 | 100.0 | 3 | 217 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.00' | 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 | 206.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.45 hrs HW=206.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.15 cfs @ 12.14 hrs HW=206.98' TW=198.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)

Summary for Pond DE28: DRIP #28

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,026 cf
 Outflow = 0.18 cfs @ 12.20 hrs, Volume= 1,025 cf, Atten= 38%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.10 hrs, Volume= 792 cf
 Primary = 0.16 cfs @ 12.20 hrs, Volume= 233 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.01' @ 12.20 hrs Surf.Area= 322 sf Storage= 247 cf

Plug-Flow detention time= 64.7 min calculated for 1,023 cf (100% of inflow)

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Center-of-Mass det. time= 64.4 min (826.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 322 | 0.0 | 0 | 0 |
| 206.10 | 322 | 40.0 | 1 | 1 |
| 209.09 | 322 | 40.0 | 385 | 386 |
| 209.10 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=206.12' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.20 hrs HW=208.01' TW=198.05' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.94 fps)

Summary for Pond DE29: DRIP #29

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 873 cf
 Outflow = 0.21 cfs @ 12.15 hrs, Volume= 873 cf, Atten= 18%, Lag= 3.8 min
 Discarded = 0.02 cfs @ 11.05 hrs, Volume= 604 cf
 Primary = 0.19 cfs @ 12.15 hrs, Volume= 269 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.99' @ 12.15 hrs Surf.Area= 270 sf Storage= 152 cf

Plug-Flow detention time= 34.4 min calculated for 871 cf (100% of inflow)
 Center-of-Mass det. time= 34.2 min (796.3 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.59' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.59 | 270 | 0.0 | 0 | 0 |
| 206.60 | 270 | 40.0 | 1 | 1 |
| 209.59 | 270 | 40.0 | 323 | 324 |
| 209.60 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.50' | 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 | 207.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.05 hrs HW=206.62' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.19 cfs @ 12.15 hrs HW=207.99' TW=198.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.19 cfs @ 2.18 fps)

Summary for Pond DE3: DRIP #3

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 221.86' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)
 Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 219.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 219.99 | 270 | 0.0 | 0 | 0 |
| 220.00 | 270 | 40.0 | 1 | 1 |
| 222.99 | 270 | 40.0 | 323 | 324 |
| 223.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 222.90' | 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 | 221.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 221.50' / 221.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 219.99' | 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=220.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.20 hrs HW=221.86' TW=218.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)**Summary for Pond DE30: DRIP #30**

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,026 cf
 Outflow = 0.22 cfs @ 12.16 hrs, Volume= 1,025 cf, Atten= 26%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 11.10 hrs, Volume= 734 cf
 Primary = 0.20 cfs @ 12.16 hrs, Volume= 291 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.77' @ 12.17 hrs Surf.Area= 322 sf Storage= 203 cf

Plug-Flow detention time= 41.6 min calculated for 1,023 cf (100% of inflow)

Center-of-Mass det. time= 41.4 min (803.5 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.19 | 322 | 0.0 | 0 | 0 |
| 207.20 | 322 | 40.0 | 1 | 1 |
| 210.19 | 322 | 40.0 | 385 | 386 |
| 210.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.10' | 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 | 208.25' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.25' / 208.20' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=207.22' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.16 hrs HW=208.76' TW=198.04' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.20 cfs @ 2.25 fps)

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Summary for Pond DE31: DRIP #31

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 = 0.18 cfs @ 12.21 hrs, Volume= 1,000 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 775 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= 209.40' @ 12.21 hrs Surf.Area= 322 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 998 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=207.53' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.21 hrs HW=209.39' 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 DE32: DRIP #32

Inflow Area = 2,333 sf, 88.43% 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= 34%, Lag= 6.2 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 654 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 196 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.37' @ 12.19 hrs Surf.Area= 270 sf Storage= 203 cf

Plug-Flow detention time= 65.4 min calculated for 849 cf (100% of inflow)

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Center-of-Mass det. time= 65.1 min (833.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.49' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.49 | 270 | 0.0 | 0 | 0 |
| 208.50 | 270 | 40.0 | 1 | 1 |
| 211.49 | 270 | 40.0 | 323 | 324 |
| 211.50 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 211.40' | 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 | 210.00' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.00' / 209.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=208.52' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.19 hrs HW=210.36' TW=202.00' (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 = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 694 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= 211.17' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.9 min calculated for 889 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.29 | 290 | 0.0 | 0 | 0 |
| 209.30 | 290 | 40.0 | 1 | 1 |
| 212.29 | 290 | 40.0 | 347 | 348 |
| 212.30 | 290 | 100.0 | 3 | 351 |

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| 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=0.14 cfs @ 12.20 hrs HW=211.16' TW=204.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE34: DRIP #34

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 694 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= 212.17' @ 12.20 hrs Surf.Area= 290 sf Storage= 218 cf

Plug-Flow detention time= 65.9 min calculated for 889 cf (100% of inflow)

Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.29 | 290 | 0.0 | 0 | 0 |
| 210.30 | 290 | 40.0 | 1 | 1 |
| 213.29 | 290 | 40.0 | 347 | 348 |
| 213.30 | 290 | 100.0 | 3 | 351 |

| 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' |

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Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=210.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=212.16' TW=204.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 2,333 sf, 88.43% 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= 34%, Lag= 6.2 min
 Discarded = 0.02 cfs @ 10.75 hrs, Volume= 654 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 196 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 212.77' @ 12.19 hrs Surf.Area= 270 sf Storage= 203 cf

Plug-Flow detention time= 65.4 min calculated for 849 cf (100% of inflow)
Center-of-Mass det. time= 65.1 min (833.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.75 hrs HW=210.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.19 hrs HW=212.76' TW=204.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

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Summary for Pond DE36: DRIP #36

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 = 0.18 cfs @ 12.21 hrs, Volume= 1,000 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 775 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= 213.60' @ 12.21 hrs Surf.Area= 322 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 998 cf (100% of inflow)
 Center-of-Mass det. time= 65.7 min (833.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | | |
|---------------------|----------------------|---------------|--|---------------------------|--|
| #1 | 211.69' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) | |
| 211.69 | 322 | 0.0 | 0 | 0 | |
| 211.70 | 322 | 40.0 | 1 | 1 | |
| 214.69 | 322 | 40.0 | 385 | 386 | |
| 214.70 | 322 | 100.0 | 3 | 390 | |

| Device | Routing | Invert | Outlet Devices | | | | | | |
|--------|-----------|---------|---|------|------|------|------|------|--|
| #1 | Primary | 214.60' | 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 | 213.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 | | | | | | |
| | | | Inlet / Outlet Invert= 213.20' / 213.15' S= 0.0050 '/' Cc= 0.900 | | | | | | |
| | | | n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf | | | | | | |
| #3 | Discarded | 211.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' | | | | | | |

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=211.73' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.16 cfs @ 12.21 hrs HW=213.59' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)

Summary for Pond DE37: DRIP #37

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 = 0.18 cfs @ 12.21 hrs, Volume= 1,000 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 10.80 hrs, Volume= 775 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= 322 sf Storage= 245 cf

Plug-Flow detention time= 65.9 min calculated for 998 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 | 211.89' | 390 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 | 322 | 0.0 | 0 | 0 |
| 211.90 | 322 | 40.0 | 1 | 1 |
| 214.89 | 322 | 40.0 | 385 | 386 |
| 214.90 | 322 | 100.0 | 3 | 390 |

| 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=207.01' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.16 cfs @ 1.93 fps)

Summary for Pond DE38: DRIP #39

Inflow Area = 2,333 sf, 88.43% 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= 34%, Lag= 6.2 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 654 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 196 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.37' @ 12.19 hrs Surf.Area= 270 sf Storage= 203 cf

Plug-Flow detention time= 65.4 min calculated for 849 cf (100% of inflow)
 Center-of-Mass det. time= 65.1 min (833.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.50 | 270 | 40.0 | 1 | 1 |
| 214.49 | 270 | 40.0 | 323 | 324 |
| 214.50 | 270 | 100.0 | 3 | 327 |

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| 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' |

Discarded OutFlow Max=0.02 cfs @ 11.15 hrs HW=211.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.19 hrs HW=213.36' TW=208.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.89 fps)

Summary for Pond DE39: DRIP #39

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' |

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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=208.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.06 cfs @ 1.49 fps)**Summary for Pond DE4: DRIP #4**

Inflow Area = 2,741 sf, 88.22% 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= 41%, Lag= 7.5 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 760 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 214 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 219.88' @ 12.21 hrs Surf.Area= 323 sf Storage= 244 cf

Plug-Flow detention time= 67.3 min calculated for 972 cf (100% of inflow)

Center-of-Mass det. time= 67.0 min (840.3 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 217.99' | 391 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 323 | 0.0 | 0 | 0 |
| 218.00 | 323 | 40.0 | 1 | 1 |
| 220.99 | 323 | 40.0 | 386 | 388 |
| 221.00 | 323 | 100.0 | 3 | 391 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=218.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=219.87' TW=218.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.15 cfs @ 1.90 fps)

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Summary for Pond DE40: DRIP #40

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 682 cf
 Outflow = 0.09 cfs @ 12.27 hrs, Volume= 682 cf, Atten= 53%, Lag= 11.0 min
 Discarded = 0.01 cfs @ 11.45 hrs, Volume= 575 cf
 Primary = 0.08 cfs @ 12.27 hrs, Volume= 107 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.95' @ 12.27 hrs Surf.Area= 268 sf Storage= 188 cf

Plug-Flow detention time= 70.9 min calculated for 682 cf (100% of inflow)
 Center-of-Mass det. time= 70.8 min (848.9 - 778.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.19' | 324 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 | 268 | 0.0 | 0 | 0 |
| 212.20 | 268 | 40.0 | 1 | 1 |
| 215.19 | 268 | 40.0 | 321 | 322 |
| 215.20 | 268 | 100.0 | 3 | 324 |

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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=0.01 cfs @ 11.45 hrs HW=212.23' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.08 cfs @ 12.27 hrs HW=213.94' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.08 cfs @ 1.60 fps)

Summary for Pond DE41: DRIP #41

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 10.85 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.76' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)

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Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.85 hrs HW=210.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=212.76' TW=207.01' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE42: DRIP #42

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 10.85 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.76' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)
 Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.89 | 270 | 0.0 | 0 | 0 |
| 209.90 | 270 | 40.0 | 1 | 1 |
| 212.89 | 270 | 40.0 | 323 | 324 |
| 212.90 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.85 hrs HW=209.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=211.76' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE43: DRIP #43

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 @ 11.30 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= 209.09' @ 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 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 11.30 hrs HW=207.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.05 cfs @ 12.37 hrs HW=209.09' TW=204.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.05 cfs @ 1.43 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 682 cf
 Outflow = 0.09 cfs @ 12.27 hrs, Volume= 682 cf, Atten= 53%, Lag= 11.0 min
 Discarded = 0.01 cfs @ 11.45 hrs, Volume= 575 cf
 Primary = 0.08 cfs @ 12.27 hrs, Volume= 107 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.75' @ 12.27 hrs Surf.Area= 268 sf Storage= 188 cf

Plug-Flow detention time= 70.9 min calculated for 682 cf (100% of inflow)
Center-of-Mass det. time= 70.8 min (848.9 - 778.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 207.00 | 268 | 40.0 | 1 | 1 |
| 209.99 | 268 | 40.0 | 321 | 322 |
| 210.00 | 268 | 100.0 | 3 | 324 |

| 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 | 208.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.45 hrs HW=207.03' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.08 cfs @ 12.27 hrs HW=208.74' TW=197.06' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.08 cfs @ 1.60 fps)

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Summary for Pond DE45: DRIP #45

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 868 cf
 Outflow = 0.16 cfs @ 12.21 hrs, Volume= 868 cf, Atten= 39%, Lag= 7.3 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 680 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.25' @ 12.21 hrs Surf.Area= 290 sf Storage= 216 cf

Plug-Flow detention time= 67.2 min calculated for 866 cf (100% of inflow)
 Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=207.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.21 hrs HW=209.25' TW=196.89' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.86 fps)

Summary for Pond DE46: DRIP #46

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 759 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.38' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)

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Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=207.53' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.21 hrs HW=209.37' TW=196.90' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)

Summary for Pond DE47: DRIP #47

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.36' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)

Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 207.50 | 270 | 40.0 | 1 | 1 |
| 210.49 | 270 | 40.0 | 323 | 324 |
| 210.50 | 270 | 100.0 | 3 | 327 |

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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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=209.36' TW=196.86' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE48: DRIP #48

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 868 cf
 Outflow = 0.16 cfs @ 12.21 hrs, Volume= 868 cf, Atten= 39%, Lag= 7.3 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 680 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.45' @ 12.21 hrs Surf.Area= 290 sf Storage= 216 cf

Plug-Flow detention time= 67.2 min calculated for 866 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.59 | 290 | 0.0 | 0 | 0 |
| 208.60 | 290 | 40.0 | 1 | 1 |
| 211.59 | 290 | 40.0 | 347 | 348 |
| 211.60 | 290 | 100.0 | 3 | 351 |

| 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 | 210.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 210.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.59' | 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=208.62' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.14 cfs @ 12.21 hrs HW=210.45' TW=196.89' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.14 cfs @ 1.86 fps)**Summary for Pond DE49: DRIP #49**

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 759 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.08' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 209.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.19 | 322 | 0.0 | 0 | 0 |
| 209.20 | 322 | 40.0 | 1 | 1 |
| 212.19 | 322 | 40.0 | 385 | 386 |
| 212.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.10' | 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 | 210.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.70' / 210.65' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=209.23' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=211.07' TW=196.90' (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 DE5: DRIP #5

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 219.86' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)
 Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 217.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 270 | 0.0 | 0 | 0 |
| 218.00 | 270 | 40.0 | 1 | 1 |
| 220.99 | 270 | 40.0 | 323 | 324 |
| 221.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.20 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=219.86' TW=218.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE50: DRIP #50

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.36' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)

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Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 210.50 | 270 | 40.0 | 1 | 1 |
| 213.49 | 270 | 40.0 | 323 | 324 |
| 213.50 | 270 | 100.0 | 3 | 327 |

| 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=0.14 cfs @ 12.20 hrs HW=212.36' TW=196.86' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE51: DRIP #51

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 759 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.18' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)
 Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.29' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.29 | 322 | 0.0 | 0 | 0 |
| 211.30 | 322 | 40.0 | 1 | 1 |
| 214.29 | 322 | 40.0 | 385 | 386 |
| 214.30 | 322 | 100.0 | 3 | 390 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.21 hrs HW=213.17' TW=209.09' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)

Summary for Pond DE52: DRIP #52

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 759 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.08' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)
 Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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' |

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Discarded OutFlow Max=0.02 cfs @ 11.25 hrs HW=212.23' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.15 cfs @ 12.21 hrs HW=214.07' TW=209.09' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.15 cfs @ 1.91 fps)**Summary for Pond DE53: DRIP #53**

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 868 cf
 Outflow = 0.16 cfs @ 12.21 hrs, Volume= 868 cf, Atten= 39%, Lag= 7.3 min
 Discarded = 0.02 cfs @ 11.25 hrs, Volume= 680 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 188 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= 67.2 min calculated for 866 cf (100% of inflow)

Center-of-Mass det. time= 66.9 min (840.2 - 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 ' / ' 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=209.09' (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 DE54: DRIP #54

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 10.85 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 215.76' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)
 Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 213.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| | | | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 213.89 | 270 | 0.0 | 0 | 0 |
| 213.90 | 270 | 40.0 | 1 | 1 |
| 216.89 | 270 | 40.0 | 323 | 324 |
| 216.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 216.80' | 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 | 215.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.40' / 215.35' S= 0.0050 ' / Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 213.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.85 hrs HW=213.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=215.76' TW=209.08' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE55: DRIP #55

Inflow Area = 2,741 sf, 88.25% 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= 7.5 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 759 cf
 Primary = 0.15 cfs @ 12.21 hrs, Volume= 215 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.68' @ 12.21 hrs Surf.Area= 322 sf Storage= 244 cf

Plug-Flow detention time= 67.1 min calculated for 974 cf (100% of inflow)

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Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 214.79' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.79 | 322 | 0.0 | 0 | 0 |
| 214.80 | 322 | 40.0 | 1 | 1 |
| 217.79 | 322 | 40.0 | 385 | 386 |
| 217.80 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 217.70' | 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 | 216.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.25' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=214.80' (Free Discharge)
 ↳3=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.21 hrs HW=216.67' TW=209.09' (Dynamic Tailwater)
 ↳1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
 ↳2=Culvert (Barrel Controls 0.15 cfs @ 1.91 fps)

Summary for Pond DE56: DRIP #56

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 829 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 829 cf, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 641 cf
 Primary = 0.14 cfs @ 12.20 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.86' @ 12.20 hrs Surf.Area= 270 sf Storage= 202 cf

Plug-Flow detention time= 66.6 min calculated for 827 cf (100% of inflow)
 Center-of-Mass det. time= 66.3 min (839.6 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 215.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 216.00 | 270 | 40.0 | 1 | 1 |
| 218.99 | 270 | 40.0 | 323 | 324 |
| 219.00 | 270 | 100.0 | 3 | 327 |

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| 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 @ 11.20 hrs HW=216.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.20 hrs HW=217.86' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.88 fps)

Summary for Pond DE57: DRIP #57

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 682 cf
 Outflow = 0.09 cfs @ 12.27 hrs, Volume= 682 cf, Atten= 53%, Lag= 11.0 min
 Discarded = 0.01 cfs @ 11.45 hrs, Volume= 575 cf
 Primary = 0.08 cfs @ 12.27 hrs, Volume= 107 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.75' @ 12.27 hrs Surf.Area= 268 sf Storage= 188 cf

Plug-Flow detention time= 70.9 min calculated for 682 cf (100% of inflow)

Center-of-Mass det. time= 70.8 min (848.9 - 778.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 216.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 217.00 | 268 | 40.0 | 1 | 1 |
| 219.99 | 268 | 40.0 | 321 | 322 |
| 220.00 | 268 | 100.0 | 3 | 324 |

| 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' |

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Discarded OutFlow Max=0.01 cfs @ 11.45 hrs HW=217.03' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)**Primary OutFlow** Max=0.08 cfs @ 12.27 hrs HW=218.74' TW=212.00' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.08 cfs @ 1.60 fps)**Summary for Pond DE58: DRIP #58**

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= 218.69' @ 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 | 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 | 218.50' | 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 @ 11.55 hrs HW=217.02' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.05 cfs @ 12.37 hrs HW=218.69' TW=212.01' (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 DE59: DRIP #59

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 4.16" for 10YR event
 Inflow = 0.20 cfs @ 12.09 hrs, Volume= 665 cf
 Outflow = 0.07 cfs @ 12.36 hrs, Volume= 665 cf, Atten= 64%, Lag= 16.1 min
 Discarded = 0.02 cfs @ 11.30 hrs, Volume= 590 cf
 Primary = 0.06 cfs @ 12.36 hrs, Volume= 75 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.50' @ 12.36 hrs Surf.Area= 290 sf Storage= 198 cf

Plug-Flow detention time= 73.2 min calculated for 665 cf (100% of inflow)
 Center-of-Mass det. time= 73.0 min (851.1 - 778.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 215.79' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 215.79 | 290 | 0.0 | 0 | 0 |
| 215.80 | 290 | 40.0 | 1 | 1 |
| 218.79 | 290 | 40.0 | 347 | 348 |
| 218.80 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 218.70' | 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 | 217.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.30' / 217.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 215.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.30 hrs HW=215.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.06 cfs @ 12.36 hrs HW=217.50' TW=212.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.46 fps)

Summary for Pond DE6: DRIP #6

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 891 cf
 Outflow = 0.16 cfs @ 12.20 hrs, Volume= 891 cf, Atten= 37%, Lag= 6.9 min
 Discarded = 0.02 cfs @ 11.20 hrs, Volume= 694 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= 65.9 min calculated for 889 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 | 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 |

| 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=0.14 cfs @ 12.20 hrs HW=212.36' 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 DE60: DRIP #60

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 868 cf
 Outflow = 0.16 cfs @ 12.21 hrs, Volume= 868 cf, Atten= 39%, Lag= 7.3 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 680 cf
 Primary = 0.14 cfs @ 12.21 hrs, Volume= 188 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.15' @ 12.21 hrs Surf.Area= 290 sf Storage= 216 cf

Plug-Flow detention time= 67.2 min calculated for 866 cf (100% of inflow)
 Center-of-Mass det. time= 66.9 min (840.2 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 214.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.29 | 290 | 0.0 | 0 | 0 |
| 214.30 | 290 | 40.0 | 1 | 1 |
| 217.29 | 290 | 40.0 | 347 | 348 |
| 217.30 | 290 | 100.0 | 3 | 351 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 217.20' | 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 | 215.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.80' / 215.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=214.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.21 hrs HW=216.15' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.14 cfs @ 1.86 fps)

Summary for Pond DE61: DRIP #61

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,546 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,546 cf, Atten= 11%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 10.70 hrs, Volume= 968 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 578 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.31' @ 12.13 hrs Surf.Area= 471 sf Storage= 193 cf

Plug-Flow detention time= 19.2 min calculated for 1,546 cf (100% of inflow)

Center-of-Mass det. time= 19.1 min (792.3 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.03 cfs @ 10.70 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.37 cfs @ 12.13 hrs HW=213.31' TW=205.11' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.32 fps)

Summary for Pond DE62: DRIP #62

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,546 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,546 cf, Atten= 11%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 11.00 hrs, Volume= 968 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 578 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.61' @ 12.13 hrs Surf.Area= 471 sf Storage= 193 cf

Plug-Flow detention time= 19.2 min calculated for 1,546 cf (100% of inflow)
 Center-of-Mass det. time= 19.1 min (792.3 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.59' | 382 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 | 471 | 0.0 | 0 | 0 |
| 210.60 | 471 | 40.0 | 2 | 2 |
| 212.59 | 471 | 40.0 | 375 | 377 |
| 212.60 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.50' | 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 | 211.10' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.10' / 211.05' S= 0.0050 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 210.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 11.00 hrs HW=210.61' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.37 cfs @ 12.13 hrs HW=211.61' TW=206.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.32 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.27" for 10YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,546 cf
 Outflow = 0.40 cfs @ 12.13 hrs, Volume= 1,546 cf, Atten= 11%, Lag= 2.6 min
 Discarded = 0.03 cfs @ 10.70 hrs, Volume= 968 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 578 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.31' @ 12.13 hrs Surf.Area= 471 sf Storage= 193 cf

Plug-Flow detention time= 19.2 min calculated for 1,546 cf (100% of inflow)
 Center-of-Mass det. time= 19.1 min (792.3 - 773.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.70 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.37 cfs @ 12.13 hrs HW=213.31' TW=206.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.37 cfs @ 2.32 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,196 cf
 Outflow = 0.52 cfs @ 12.14 hrs, Volume= 2,195 cf, Atten= 17%, Lag= 3.4 min
 Discarded = 0.03 cfs @ 10.80 hrs, Volume= 1,420 cf
 Primary = 0.48 cfs @ 12.14 hrs, Volume= 776 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.14' @ 12.15 hrs Surf.Area= 605 sf Storage= 351 cf

Plug-Flow detention time= 30.6 min calculated for 2,195 cf (100% of inflow)

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Center-of-Mass det. time= 30.5 min (792.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.69' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.69 | 605 | 0.0 | 0 | 0 |
| 207.70 | 605 | 40.0 | 2 | 2 |
| 210.69 | 605 | 40.0 | 724 | 726 |
| 210.70 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.60' | 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 | 207.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.80 hrs HW=207.72' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.14 hrs HW=209.14' TW=202.05' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

Summary for Pond DE65: DRIP #65

Inflow Area = 3,434 sf, 88.24% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,253 cf
 Outflow = 0.33 cfs @ 12.12 hrs, Volume= 1,252 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= 442 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.45' @ 12.12 hrs Surf.Area= 404 sf Storage= 155 cf

Plug-Flow detention time= 18.7 min calculated for 1,252 cf (100% of inflow)
 Center-of-Mass det. time= 18.5 min (786.5 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 404 | 0.0 | 0 | 0 |
| 207.50 | 404 | 40.0 | 2 | 2 |
| 209.49 | 404 | 40.0 | 322 | 323 |
| 209.50 | 404 | 100.0 | 4 | 327 |

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| 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 | 208.00' | 6.0" 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= 0.20 sf |
| #3 | Discarded | 207.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.10 hrs HW=207.51' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.30 cfs @ 12.12 hrs HW=208.44' TW=202.05' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.30 cfs @ 2.19 fps)

Summary for Pond DE66: DRIP #66

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,586 cf
 Outflow = 0.41 cfs @ 12.13 hrs, Volume= 1,586 cf, Atten= 11%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.60 hrs, Volume= 992 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.92' @ 12.13 hrs Surf.Area= 471 sf Storage= 194 cf

Plug-Flow detention time= 19.0 min calculated for 1,583 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' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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 @ 10.60 hrs HW=205.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.38 cfs @ 12.13 hrs HW=206.91' TW=202.05' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 2.33 fps)

Summary for Pond DE67: DRIP #67

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,586 cf
 Outflow = 0.41 cfs @ 12.13 hrs, Volume= 1,586 cf, Atten= 11%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.90 hrs, Volume= 992 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.02' @ 12.13 hrs Surf.Area= 471 sf Storage= 194 cf

Plug-Flow detention time= 19.0 min calculated for 1,583 cf (100% of inflow)
 Center-of-Mass det. time= 18.8 min (786.9 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 203.99' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 203.99 | 471 | 0.0 | 0 0 |
| 204.00 | 471 | 40.0 | 2 2 |
| 205.99 | 471 | 40.0 | 375 377 |
| 206.00 | 471 | 100.0 | 5 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 204.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 203.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.90 hrs HW=204.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.38 cfs @ 12.13 hrs HW=205.01' TW=202.05' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 2.33 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.72" for 10YR event
 Inflow = 0.47 cfs @ 12.09 hrs, Volume= 1,711 cf
 Outflow = 0.42 cfs @ 12.13 hrs, Volume= 1,710 cf, Atten= 11%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.65 hrs, Volume= 1,079 cf
 Primary = 0.40 cfs @ 12.13 hrs, Volume= 631 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.03' @ 12.13 hrs Surf.Area= 471 sf Storage= 196 cf

Plug-Flow detention time= 18.3 min calculated for 1,707 cf (100% of inflow)
 Center-of-Mass det. time= 18.1 min (765.8 - 747.7)

| Volume | Invert | Avail.Storage | Storage Description | | |
|---------------------|----------------------|---------------|--|---------------------------|--|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 | |
| 205.00 | 471 | 40.0 | 2 | 2 | |
| 206.99 | 471 | 40.0 | 375 | 377 | |
| 207.00 | 471 | 100.0 | 5 | 382 | |

| Device | Routing | Invert | Outlet Devices | | | | | | |
|--------|-----------|---------|---|------|------|------|------|------|--|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 | | | | | | |
| | | | Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 10.65 hrs HW=205.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.39 cfs @ 12.13 hrs HW=206.02' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.39 cfs @ 2.35 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,586 cf
 Outflow = 0.41 cfs @ 12.13 hrs, Volume= 1,586 cf, Atten= 11%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.90 hrs, Volume= 992 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.02' @ 12.13 hrs Surf.Area= 471 sf Storage= 194 cf

Plug-Flow detention time= 19.0 min calculated for 1,583 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 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 10.90 hrs HW=205.01' (Free Discharge)

↳**3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.38 cfs @ 12.13 hrs HW=206.01' TW=0.00' (Dynamic Tailwater)

↳**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳**2=Culvert** (Barrel Controls 0.38 cfs @ 2.33 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 = 4,349 sf, 89.17% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,586 cf
 Outflow = 0.41 cfs @ 12.13 hrs, Volume= 1,586 cf, Atten= 11%, Lag= 2.5 min
 Discarded = 0.03 cfs @ 10.60 hrs, Volume= 992 cf
 Primary = 0.38 cfs @ 12.13 hrs, Volume= 594 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.92' @ 12.13 hrs Surf.Area= 471 sf Storage= 194 cf

Plug-Flow detention time= 19.0 min calculated for 1,583 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' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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 @ 10.60 hrs HW=205.90' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.38 cfs @ 12.13 hrs HW=206.91' TW=201.26' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 2.33 fps)**Summary for Pond DE71: DRIP #71**

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,196 cf
 Outflow = 0.52 cfs @ 12.14 hrs, Volume= 2,195 cf, Atten= 17%, Lag= 3.3 min
 Discarded = 0.03 cfs @ 10.80 hrs, Volume= 1,347 cf
 Primary = 0.49 cfs @ 12.14 hrs, Volume= 848 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.25' @ 12.14 hrs Surf.Area= 605 sf Storage= 281 cf

Plug-Flow detention time= 19.4 min calculated for 2,191 cf (100% of inflow)

Center-of-Mass det. time= 19.2 min (781.3 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.09' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 605 | 0.0 | 0 | 0 |
| 206.10 | 605 | 40.0 | 2 | 2 |
| 209.09 | 605 | 40.0 | 724 | 726 |
| 209.10 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 206.60' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.80 hrs HW=206.12' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.48 cfs @ 12.14 hrs HW=207.24' TW=201.30' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.50 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,333 sf, 88.43% 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= 34%, Lag= 6.2 min
 Discarded = 0.02 cfs @ 11.15 hrs, Volume= 654 cf
 Primary = 0.15 cfs @ 12.19 hrs, Volume= 196 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= 270 sf Storage= 203 cf

Plug-Flow detention time= 65.4 min calculated for 849 cf (100% of inflow)
 Center-of-Mass det. time= 65.1 min (833.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.59' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.60 | 270 | 40.0 | 1 | 1 |
| 214.59 | 270 | 40.0 | 323 | 324 |
| 214.60 | 270 | 100.0 | 3 | 327 |

| 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 @ 11.15 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 = 2,741 sf, 88.25% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 1,000 cf
 Outflow = 0.09 cfs @ 12.42 hrs, Volume= 1,000 cf, Atten= 71%, Lag= 19.9 min
 Discarded = 0.03 cfs @ 11.30 hrs, Volume= 912 cf
 Primary = 0.06 cfs @ 12.42 hrs, Volume= 87 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.61' @ 12.42 hrs Surf.Area= 449 sf Storage= 309 cf

Plug-Flow detention time= 72.9 min calculated for 1,000 cf (100% of inflow)

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Center-of-Mass det. time= 72.8 min (840.8 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 211.89' | 543 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 | 449 | 0.0 | 0 0 |
| 211.90 | 449 | 40.0 | 2 2 |
| 214.89 | 449 | 40.0 | 537 539 |
| 214.90 | 449 | 100.0 | 4 543 |

| 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=0.03 cfs @ 11.30 hrs HW=211.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.06 cfs @ 12.42 hrs HW=213.61' 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 DEB1: DRIP #B1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 17,980 sf, 88.68% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 1.92 cfs @ 12.09 hrs, Volume= 6,727 cf
 Outflow = 0.90 cfs @ 12.26 hrs, Volume= 6,727 cf, Atten= 53%, Lag= 10.6 min
 Discarded = 0.39 cfs @ 11.80 hrs, Volume= 6,126 cf
 Primary = 0.51 cfs @ 12.26 hrs, Volume= 601 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.43' @ 12.26 hrs Surf.Area= 2,035 sf Storage= 1,173 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 11.1 min (773.2 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 3,276 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 2,035 | 0.0 | 0 | 0 |
| 202.00 | 2,035 | 40.0 | 8 | 8 |
| 205.99 | 2,035 | 40.0 | 3,248 | 3,256 |
| 206.00 | 2,035 | 100.0 | 20 | 3,276 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 203.00' | 8.0" Round Culvert L= 50.0' Ke= 0.500 Inlet / Outlet Invert= 203.00' / 202.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.39 cfs @ 11.80 hrs HW=202.06' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.39 cfs)

Primary OutFlow Max=0.50 cfs @ 12.26 hrs HW=203.43' TW=197.98' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.50 cfs @ 3.02 fps)

Summary for Pond DEB2: DRIP #B2

Inflow Area = 17,498 sf, 90.17% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 1.87 cfs @ 12.09 hrs, Volume= 6,547 cf
 Outflow = 1.26 cfs @ 12.18 hrs, Volume= 6,546 cf, Atten= 33%, Lag= 5.6 min
 Discarded = 0.10 cfs @ 10.70 hrs, Volume= 4,295 cf
 Primary = 1.16 cfs @ 12.18 hrs, Volume= 2,251 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.97' @ 12.18 hrs Surf.Area= 1,720 sf Storage= 1,359 cf

Plug-Flow detention time= 41.3 min calculated for 6,546 cf (100% of inflow)

Center-of-Mass det. time= 41.2 min (803.3 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 2,081 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 1,720 | 0.0 | 0 | 0 |
| 202.00 | 1,720 | 40.0 | 7 | 7 |
| 204.99 | 1,720 | 40.0 | 2,057 | 2,064 |
| 205.00 | 1,720 | 100.0 | 17 | 2,081 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.90' | 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 | 203.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 203.00' / 202.95' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf
 #3 Discarded 201.99' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.10 cfs @ 10.70 hrs HW=202.02' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=1.15 cfs @ 12.18 hrs HW=203.96' TW=195.40' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 1.15 cfs @ 3.28 fps)

Summary for Pond DEB3: DRIP #B3

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 17,772 sf, 89.71% Impervious, Inflow Depth > 4.38" for 10YR event
 Inflow = 1.88 cfs @ 12.09 hrs, Volume= 6,482 cf
 Outflow = 1.19 cfs @ 12.19 hrs, Volume= 6,482 cf, Atten= 36%, Lag= 6.4 min
 Discarded = 0.35 cfs @ 11.75 hrs, Volume= 5,386 cf
 Primary = 0.84 cfs @ 12.19 hrs, Volume= 1,096 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.72' @ 12.19 hrs Surf.Area= 1,829 sf Storage= 901 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 6.7 min (774.7 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 2,945 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,829 | 0.0 | 0 | 0 |
| 201.50 | 1,829 | 40.0 | 7 | 7 |
| 205.49 | 1,829 | 40.0 | 2,919 | 2,926 |
| 205.50 | 1,829 | 100.0 | 18 | 2,945 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.35 cfs @ 11.75 hrs HW=201.53' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.35 cfs)

Primary OutFlow Max=0.84 cfs @ 12.19 hrs HW=202.72' TW=200.04' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.84 cfs @ 2.78 fps)

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Summary for Pond DEB4: DRIP #B4

Inflow Area = 17,682 sf, 89.23% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 1.89 cfs @ 12.09 hrs, Volume= 6,616 cf
 Outflow = 1.18 cfs @ 12.20 hrs, Volume= 6,616 cf, Atten= 38%, Lag= 6.7 min
 Discarded = 0.36 cfs @ 11.80 hrs, Volume= 5,573 cf
 Primary = 0.81 cfs @ 12.20 hrs, Volume= 1,043 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.70' @ 12.20 hrs Surf.Area= 1,904 sf Storage= 922 cf

Plug-Flow detention time= 6.7 min calculated for 6,616 cf (100% of inflow)
 Center-of-Mass det. time= 6.7 min (768.9 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 3,065 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,904 | 0.0 | 0 | 0 |
| 201.50 | 1,904 | 40.0 | 8 | 8 |
| 205.49 | 1,904 | 40.0 | 3,039 | 3,046 |
| 205.50 | 1,904 | 100.0 | 19 | 3,065 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.95' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.36 cfs @ 11.80 hrs HW=201.57' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.36 cfs)

Primary OutFlow Max=0.81 cfs @ 12.20 hrs HW=202.70' TW=200.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.81 cfs @ 2.75 fps)

Summary for Pond DECH: DRIP #CH

Inflow Area = 5,112 sf, 87.56% Impervious, Inflow Depth > 4.49" for 10YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,913 cf
 Outflow = 0.35 cfs @ 12.19 hrs, Volume= 1,912 cf, Atten= 35%, Lag= 6.0 min
 Discarded = 0.04 cfs @ 11.20 hrs, Volume= 1,266 cf
 Primary = 0.32 cfs @ 12.19 hrs, Volume= 646 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.24' @ 12.19 hrs Surf.Area= 636 sf Storage= 318 cf

Plug-Flow detention time= 19.7 min calculated for 1,908 cf (100% of inflow)

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Center-of-Mass det. time= 19.6 min (781.7 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 202.99' | 770 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 202.99 | 636 | 0.0 | 0 0 |
| 203.00 | 636 | 40.0 | 3 3 |
| 205.99 | 636 | 40.0 | 761 763 |
| 206.00 | 636 | 100.0 | 6 770 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 203.50' | 4.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 203.50' / 202.00' S= 0.0500 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.04 cfs @ 11.20 hrs HW=203.02' (Free Discharge)
 ↳3=Exfiltration (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.32 cfs @ 12.19 hrs HW=204.23' TW=201.84' (Dynamic Tailwater)
 ↳1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
 ↳2=Culvert (Inlet Controls 0.32 cfs @ 3.63 fps)

Summary for Pond P204: STORMTECH INFILTRATION SYSTEM

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth > 3.08" for 10YR event
 Inflow = 3.73 cfs @ 12.10 hrs, Volume= 11,522 cf
 Outflow = 1.62 cfs @ 12.40 hrs, Volume= 11,520 cf, Atten= 57%, Lag= 18.0 min
 Discarded = 0.22 cfs @ 11.50 hrs, Volume= 7,477 cf
 Primary = 1.40 cfs @ 12.40 hrs, Volume= 4,043 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 195.63' @ 12.40 hrs Surf.Area= 3,927 sf Storage= 3,456 cf

Plug-Flow detention time= 46.2 min calculated for 11,520 cf (100% of inflow)
 Center-of-Mass det. time= 46.1 min (820.1 - 774.0)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|---|
| #1A | 194.00' | 3,542 cf | 38.17'W x 102.88'L x 2.83'H STORMTECH SC-310 11,125 cf Overall - 2,270 cf Embedded = 8,855 cf x 40.0% Voids |
| #2A | 195.00' | 2,270 cf | ADS_StormTech SC-310 +Cap x 154 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 154 Chambers in 11 Rows |
| | | 5,812 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.90' | 12.0" Round Culvert L= 20.0' Ke= 0.200 Inlet / Outlet Invert= 194.90' / 194.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Discarded | 194.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.22 cfs @ 11.50 hrs HW=194.03' (Free Discharge)

↳ **2=Exfiltration** (Exfiltration Controls 0.22 cfs)

Primary OutFlow Max=1.40 cfs @ 12.40 hrs HW=195.63' TW=194.88' (Dynamic Tailwater)

↳ **1=Culvert** (Barrel Controls 1.40 cfs @ 3.19 fps)

Summary for Pond P205: INFILTRATION POND #5

| | |
|---------------|--|
| Inflow Area = | 254,301 sf, 42.05% Impervious, Inflow Depth > 2.18" for 10YR event |
| Inflow = | 9.22 cfs @ 12.12 hrs, Volume= 46,200 cf |
| Outflow = | 5.07 cfs @ 12.52 hrs, Volume= 41,139 cf, Atten= 45%, Lag= 23.8 min |
| Discarded = | 0.38 cfs @ 12.52 hrs, Volume= 17,125 cf |
| Primary = | 4.69 cfs @ 12.52 hrs, Volume= 24,014 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.31' @ 12.52 hrs Surf.Area= 6,810 sf Storage= 12,536 cf

Plug-Flow detention time= 104.7 min calculated for 41,053 cf (89% of inflow)

Center-of-Mass det. time= 53.5 min (883.9 - 830.4)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 195.00' | 38,186 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|------------------------|------------------------|
| 195.00 | 4,110 | 0 | 0 |
| 196.00 | 5,205 | 4,658 | 4,658 |
| 198.00 | 7,652 | 12,857 | 17,515 |
| 200.00 | 10,380 | 18,032 | 35,547 |
| 200.25 | 10,739 | 2,640 | 38,186 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 199.10' | 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 2.63 |
| #2 | Primary | 193.00' | 18.0" Round Culvert L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 193.00' / 192.00' S= 0.0217 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.25' | 18.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Discarded | 195.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.38 cfs @ 12.52 hrs HW=197.31' (Free Discharge)↳ **4=Exfiltration** (Exfiltration Controls 0.38 cfs)**Primary OutFlow** Max=4.68 cfs @ 12.52 hrs HW=197.31' TW=192.26' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Passes 4.68 cfs of 16.05 cfs potential flow)↳ **3=Orifice/Grate** (Orifice Controls 4.68 cfs @ 3.50 fps)**Summary for Pond P206: INFILTRATION POND #4**

Inflow Area = 78,505 sf, 54.69% Impervious, Inflow Depth > 2.86" for 10YR event
 Inflow = 5.64 cfs @ 12.09 hrs, Volume= 18,720 cf
 Outflow = 1.54 cfs @ 12.45 hrs, Volume= 18,717 cf, Atten= 73%, Lag= 21.7 min
 Discarded = 1.04 cfs @ 12.45 hrs, Volume= 17,864 cf
 Primary = 0.50 cfs @ 12.45 hrs, Volume= 853 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.52' @ 12.45 hrs Surf.Area= 5,437 sf Storage= 4,847 cf

Plug-Flow detention time= 26.3 min calculated for 18,717 cf (100% of inflow)

Center-of-Mass det. time= 26.2 min (822.2 - 795.9)

| Volume | Invert | Avail.Storage | Storage Description |
|---------------------|----------------------|---------------------------|--|
| #1 | 195.50' | 14,163 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.50 | 3,860 | 0 | 0 |
| 196.00 | 4,830 | 2,173 | 2,173 |
| 198.00 | 7,160 | 11,990 | 14,163 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 197.00' | 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 | 194.00' | 18.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.00' S= 0.0500 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.30' | 18.0" W x 3.2" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 196.70' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Discarded | 195.50' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=1.04 cfs @ 12.45 hrs HW=196.52' (Free Discharge)

↳ **5=Exfiltration** (Exfiltration Controls 1.04 cfs)

Primary OutFlow Max=0.50 cfs @ 12.45 hrs HW=196.52' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 0.50 cfs of 11.32 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 0.50 cfs @ 1.51 fps)

↳ **4=Orifice/Grate** (Controls 0.00 cfs)

Summary for Pond P207: INFILTRATION POND #3

Inflow Area = 176,771 sf, 70.76% Impervious, Inflow Depth > 3.60" for 10YR event
 Inflow = 15.48 cfs @ 12.09 hrs, Volume= 53,081 cf
 Outflow = 1.76 cfs @ 12.77 hrs, Volume= 47,375 cf, Atten= 89%, Lag= 40.7 min
 Discarded = 0.75 cfs @ 12.77 hrs, Volume= 39,278 cf
 Primary = 1.02 cfs @ 12.77 hrs, Volume= 8,097 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 193.95' @ 12.77 hrs Surf.Area= 13,410 sf Storage= 22,967 cf

Plug-Flow detention time= 202.0 min calculated for 47,375 cf (89% of inflow)
 Center-of-Mass det. time= 150.4 min (924.7 - 774.2)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 192.00' | 55,227 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 192.00 | 10,200 | 0 | 0 |
| 194.00 | 13,500 | 23,700 | 23,700 |
| 196.00 | 18,027 | 31,527 | 55,227 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.75' | 15.0' 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 | 192.00' | 24.0" Round Culvert X 2.00 L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |
| #3 | Device 2 | 193.50' | 18.0" W x 3.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 194.00' | 18.0" W x 6.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Device 2 | 194.75' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #6 | Discarded | 192.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.75 cfs @ 12.77 hrs HW=193.95' (Free Discharge)

↳ **6=Exfiltration** (Exfiltration Controls 0.75 cfs)

Primary OutFlow Max=1.02 cfs @ 12.77 hrs HW=193.95' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 1.02 cfs of 23.48 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 1.02 cfs @ 2.71 fps)

↳ **4=Orifice/Grate** (Controls 0.00 cfs)

↳ **5=Orifice/Grate** (Controls 0.00 cfs)

Summary for Pond P210: INFILTRATION POND #1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=6)

| | | | |
|---------------|--------------------------------|----------------------|-------------------------------------|
| Inflow Area = | 102,075 sf, 59.72% Impervious, | Inflow Depth > 3.20" | for 10YR event |
| Inflow = | 8.43 cfs @ 12.09 hrs, | Volume= | 27,220 cf |
| Outflow = | 4.74 cfs @ 12.23 hrs, | Volume= | 27,234 cf, Atten= 44%, Lag= 8.4 min |
| Discarded = | 0.39 cfs @ 12.23 hrs, | Volume= | 17,732 cf |
| Primary = | 4.36 cfs @ 12.23 hrs, | Volume= | 9,501 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.24' @ 12.23 hrs Surf.Area= 6,902 sf Storage= 7,627 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 92.0 min (890.7 - 798.7)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 204.00' | 17,383 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.00 | 5,368 | 0 | 0 |
| 206.00 | 7,835 | 13,203 | 13,203 |
| 206.50 | 8,884 | 4,180 | 17,383 |

| 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 | 204.70' | 18.0" Round Culvert L= 24.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 203.00' S= 0.0708 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Discarded | 204.00' | 2.410 in/hr Exfiltration over Surface area |

Discarded OutFlow Max=0.38 cfs @ 12.23 hrs HW=205.24' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.38 cfs)

Primary OutFlow Max=4.30 cfs @ 12.23 hrs HW=205.24' TW=202.09' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 2.86 cfs @ 1.01 fps)

↳ **2=Culvert** (Inlet Controls 1.44 cfs @ 2.51 fps)

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Summary for Pond P212: INFILTRATION POND #2

Inflow Area = 165,235 sf, 47.56% Impervious, Inflow Depth > 2.65" for 10YR event
 Inflow = 8.29 cfs @ 12.11 hrs, Volume= 36,497 cf
 Outflow = 0.62 cfs @ 14.31 hrs, Volume= 28,100 cf, Atten= 93%, Lag= 132.0 min
 Discarded = 0.62 cfs @ 14.31 hrs, Volume= 28,100 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= 202.47' @ 14.31 hrs Surf.Area= 11,031 sf Storage= 19,679 cf

Plug-Flow detention time= 285.7 min calculated for 28,042 cf (77% of inflow)
 Center-of-Mass det. time= 206.0 min (1,010.0 - 804.1)

| Volume | Invert | Avail.Storage | Storage Description |
|---------------------|----------------------|---------------------------|--|
| #1 | 200.00' | 38,775 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 200.00 | 2,737 | 0 | 0 |
| 201.00 | 8,272 | 5,505 | 5,505 |
| 202.00 | 10,150 | 9,211 | 14,716 |
| 204.00 | 13,909 | 24,059 | 38,775 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 202.65' | 25.0' 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 | Discarded | 200.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.62 cfs @ 14.31 hrs HW=202.47' (Free Discharge)
 ↑2=Exfiltration (Exfiltration Controls 0.62 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=200.00' TW=199.50' (Dynamic Tailwater)
 ↑1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 6,539 sf, 66.08% Impervious, Inflow Depth > 3.33" for 10YR event
 Inflow = 0.57 cfs @ 12.09 hrs, Volume= 1,814 cf
 Primary = 0.57 cfs @ 12.09 hrs, Volume= 1,814 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 = 779,830 sf, 17.89% Impervious, Inflow Depth > 2.36" for 10YR event
 Inflow = 19.60 cfs @ 12.42 hrs, Volume= 153,540 cf
 Primary = 19.60 cfs @ 12.42 hrs, Volume= 153,540 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 AP3: ANALYSIS POINT 3

Inflow Area = 45,041 sf, 8.61% Impervious, Inflow Depth > 2.34" for 10YR event
Inflow = 2.96 cfs @ 12.10 hrs, Volume= 8,782 cf
Primary = 2.96 cfs @ 12.10 hrs, Volume= 8,782 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 = 1,750,335 sf, 29.39% Impervious, Inflow Depth > 1.27" for 10YR event
Inflow = 28.12 cfs @ 12.42 hrs, Volume= 184,880 cf
Primary = 28.12 cfs @ 12.42 hrs, Volume= 184,880 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

Subcatchment B1: MULTIFAMILY BLDG #1 Runoff Area=17,980 sf 88.68% Impervious Runoff Depth>5.81"
Tc=6.0 min CN=96 Runoff=2.46 cfs 8,709 cf

Subcatchment B2: MULTIFAMILY BLDG #2 Runoff Area=17,498 sf 90.17% Impervious Runoff Depth>5.81"
Tc=6.0 min CN=96 Runoff=2.39 cfs 8,476 cf

Subcatchment B3: MULTIFAMILY BLDG #3 Runoff Area=17,772 sf 89.71% Impervious Runoff Depth>5.70"
Tc=6.0 min CN=95 Runoff=2.41 cfs 8,436 cf

Subcatchment B4: MULTIFAMILY BLDG #4 Runoff Area=17,682 sf 89.23% Impervious Runoff Depth>5.81"
Tc=6.0 min CN=96 Runoff=2.42 cfs 8,565 cf

Subcatchment C1: CB #1 Runoff Area=10,706 sf 37.85% Impervious Runoff Depth>3.53"
Flow Length=95' Tc=8.5 min CN=75 Runoff=0.92 cfs 3,145 cf

Subcatchment C10: CB #44 Runoff Area=5,492 sf 100.00% Impervious Runoff Depth>6.05"
Tc=6.0 min CN=98 Runoff=0.76 cfs 2,768 cf

Subcatchment C11: CB #47 Runoff Area=2,381 sf 54.01% Impervious Runoff Depth>4.79"
Tc=6.0 min CN=87 Runoff=0.29 cfs 951 cf

Subcatchment C12: CB #48 Runoff Area=2,480 sf 63.99% Impervious Runoff Depth>5.01"
Tc=6.0 min CN=89 Runoff=0.31 cfs 1,036 cf

Subcatchment C13: CB #49 Runoff Area=6,942 sf 55.47% Impervious Runoff Depth>4.79"
Tc=6.0 min CN=87 Runoff=0.85 cfs 2,772 cf

Subcatchment C14: CB #50 Runoff Area=6,999 sf 66.87% Impervious Runoff Depth>5.13"
Tc=6.0 min CN=90 Runoff=0.90 cfs 2,989 cf

Subcatchment C15: CB #15 Runoff Area=3,235 sf 58.73% Impervious Runoff Depth>4.90"
Tc=6.0 min CN=88 Runoff=0.40 cfs 1,322 cf

Subcatchment C16: CB #16 Runoff Area=2,087 sf 71.87% Impervious Runoff Depth>5.24"
Tc=6.0 min CN=91 Runoff=0.27 cfs 911 cf

Subcatchment C17: CB #17 Runoff Area=9,714 sf 59.89% Impervious Runoff Depth>4.90"
Tc=6.0 min CN=88 Runoff=1.21 cfs 3,968 cf

Subcatchment C18: CB #18 Runoff Area=9,165 sf 65.72% Impervious Runoff Depth>5.13"
Tc=6.0 min CN=90 Runoff=1.17 cfs 3,914 cf

Subcatchment C19: CB #19 Runoff Area=6,910 sf 57.21% Impervious Runoff Depth>4.90"
Tc=6.0 min CN=88 Runoff=0.86 cfs 2,823 cf

Subcatchment C2: CB #2 Runoff Area=21,674 sf 80.07% Impervious Runoff Depth>5.24"
Tc=6.0 min CN=91 Runoff=2.82 cfs 9,460 cf

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| | |
|---------------------------------|---|
| Subcatchment C20: CB #20 | Runoff Area=8,034 sf 73.30% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=1.06 cfs 3,583 cf |
| Subcatchment C21: CB #21 | Runoff Area=9,293 sf 82.86% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=1.21 cfs 4,056 cf |
| Subcatchment C22: CB #22 | Runoff Area=10,403 sf 81.23% Impervious Runoff Depth>4.79" Tc=6.0 min CN=87 Runoff=1.27 cfs 4,154 cf |
| Subcatchment C23: CB #23 | Runoff Area=19,822 sf 84.04% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=2.58 cfs 8,652 cf |
| Subcatchment C24: CB #24 | Runoff Area=2,226 sf 99.87% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.31 cfs 1,122 cf |
| Subcatchment C25: CB #25 | Runoff Area=2,249 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.31 cfs 1,133 cf |
| Subcatchment C26: CB #26 | Runoff Area=3,194 sf 78.40% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.43 cfs 1,485 cf |
| Subcatchment C27: CB #27 | Runoff Area=13,200 sf 88.54% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=1.79 cfs 6,266 cf |
| Subcatchment C28: CB #28 | Runoff Area=18,536 sf 69.19% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=2.44 cfs 8,266 cf |
| Subcatchment C29: CB #29 | Runoff Area=1,837 sf 70.93% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.24 cfs 802 cf |
| Subcatchment C3: CB #3 | Runoff Area=10,853 sf 74.08% Impervious Runoff Depth>4.90" Tc=6.0 min CN=88 Runoff=1.35 cfs 4,433 cf |
| Subcatchment C30: CB #30 | Runoff Area=6,023 sf 53.63% Impervious Runoff Depth>4.79" Tc=6.0 min CN=87 Runoff=0.74 cfs 2,405 cf |
| Subcatchment C31: CB #31 | Runoff Area=13,352 sf 89.53% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=1.83 cfs 6,467 cf |
| Subcatchment C32: CB #32 | Runoff Area=15,647 sf 68.79% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=2.03 cfs 6,830 cf |
| Subcatchment C33: CB #33 | Runoff Area=10,475 sf 79.30% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=1.41 cfs 4,871 cf |
| Subcatchment C34: CB #34 | Runoff Area=7,978 sf 96.09% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=1.10 cfs 3,942 cf |
| Subcatchment C35: CB #35 | Runoff Area=7,168 sf 73.14% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.95 cfs 3,265 cf |
| Subcatchment C36: CB #36 | Runoff Area=5,338 sf 97.53% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.74 cfs 2,690 cf |

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| Subcatchment C37: CB #37 | Runoff Area=4,130 sf 76.71% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.56 cfs 1,921 cf |
| Subcatchment C38: CB #38 | Runoff Area=2,450 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.34 cfs 1,235 cf |
| Subcatchment C39: CB #39 | Runoff Area=20,827 sf 63.79% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=2.71 cfs 9,091 cf |
| Subcatchment C4: CB #4 | Runoff Area=21,472 sf 40.29% Impervious Runoff Depth>3.63" Flow Length=375' Tc=10.7 min CN=76 Runoff=1.78 cfs 6,486 cf |
| Subcatchment C40: CB #40 | Runoff Area=4,980 sf 92.85% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=0.69 cfs 2,461 cf |
| Subcatchment C41: CB #41 | Runoff Area=5,480 sf 85.02% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.74 cfs 2,601 cf |
| Subcatchment C42: CB #42 | Runoff Area=51,636 sf 15.77% Impervious Runoff Depth>4.25" Flow Length=300' Tc=7.8 min CN=82 Runoff=5.43 cfs 18,288 cf |
| Subcatchment C43: CB #43 | Runoff Area=5,946 sf 61.76% Impervious Runoff Depth>5.01" Tc=6.0 min CN=89 Runoff=0.75 cfs 2,484 cf |
| Subcatchment C44: CB #44 | Runoff Area=6,236 sf 57.31% Impervious Runoff Depth>4.90" Tc=6.0 min CN=88 Runoff=0.78 cfs 2,547 cf |
| Subcatchment C45: CB #45 | Runoff Area=4,105 sf 83.29% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.55 cfs 1,909 cf |
| Subcatchment C46: CB #46 | Runoff Area=6,943 sf 69.75% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.90 cfs 3,030 cf |
| Subcatchment C47: CB #47 | Runoff Area=2,486 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.34 cfs 1,253 cf |
| Subcatchment C48: CB #48 | Runoff Area=3,544 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.49 cfs 1,786 cf |
| Subcatchment C49: CB #49 | Runoff Area=1,263 sf 94.54% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=0.17 cfs 624 cf |
| Subcatchment C5: CB #5 | Runoff Area=1,783 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.25 cfs 899 cf |
| Subcatchment C50: CB #50 | Runoff Area=1,590 sf 95.66% Impervious Runoff Depth>5.93" Tc=6.0 min CN=97 Runoff=0.22 cfs 786 cf |
| Subcatchment C51: CB #51 | Runoff Area=9,541 sf 92.31% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=1.29 cfs 4,529 cf |

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| Subcatchment C52: CB #52 | Runoff Area=17,462 sf 77.87% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=2.24 cfs 7,458 cf |
| Subcatchment C53: CB #53 | Runoff Area=6,202 sf 91.87% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.84 cfs 2,944 cf |
| Subcatchment C54: CB #54 | Runoff Area=3,756 sf 91.59% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.51 cfs 1,783 cf |
| Subcatchment C55: CB #55 | Runoff Area=19,318 sf 48.01% Impervious Runoff Depth>3.94" Flow Length=120' Slope=0.0400 '/' Tc=6.9 min CN=79 Runoff=1.95 cfs 6,336 cf |
| Subcatchment C56: CB #56 | Runoff Area=5,029 sf 79.82% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.65 cfs 2,195 cf |
| Subcatchment C57: CB #57 | Runoff Area=2,370 sf 84.43% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.31 cfs 1,057 cf |
| Subcatchment C58: CB #58 | Runoff Area=1,348 sf 83.01% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.18 cfs 601 cf |
| Subcatchment C59: CB #59 | Runoff Area=1,607 sf 85.75% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.21 cfs 732 cf |
| Subcatchment C6: CB #6 | Runoff Area=3,766 sf 59.48% Impervious Runoff Depth>4.57" Tc=6.0 min CN=85 Runoff=0.44 cfs 1,435 cf |
| Subcatchment C60: CB #60 | Runoff Area=3,327 sf 100.00% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.46 cfs 1,677 cf |
| Subcatchment C61: CB #61 | Runoff Area=6,407 sf 84.94% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.87 cfs 3,041 cf |
| Subcatchment C62: CB #62 | Runoff Area=5,714 sf 64.82% Impervious Runoff Depth>4.57" Tc=6.0 min CN=85 Runoff=0.67 cfs 2,178 cf |
| Subcatchment C64: CB #64 | Runoff Area=7,555 sf 42.86% Impervious Runoff Depth>2.56" Tc=6.0 min CN=65 Runoff=0.50 cfs 1,613 cf |
| Subcatchment C7: CB #7 | Runoff Area=7,403 sf 94.92% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=1.01 cfs 3,586 cf |
| Subcatchment C8: CB #8 | Runoff Area=12,849 sf 70.13% Impervious Runoff Depth>4.79" Flow Length=195' Tc=9.8 min CN=87 Runoff=1.40 cfs 5,127 cf |
| Subcatchment C9: CB #45 | Runoff Area=7,062 sf 54.59% Impervious Runoff Depth>4.79" Tc=6.0 min CN=87 Runoff=0.86 cfs 2,820 cf |
| Subcatchment CH1: CLUBHOUSE | Runoff Area=5,112 sf 87.56% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.70 cfs 2,476 cf |
| Subcatchment H1: SF #1 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |

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| SubcatchmentH10: SF #10 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH11: SF #11 | 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 |
| SubcatchmentH12: SF #12 | 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 |
| SubcatchmentH13: SF #13 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,107 cf |
| SubcatchmentH14: SF #14 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.27 cfs 935 cf |
| SubcatchmentH15: SF #15 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH16: SF #16 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf |
| SubcatchmentH17: SF #17 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH18: SF #18 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf |
| SubcatchmentH19: SF #19 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 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=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH21: SF #21 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf |
| SubcatchmentH22: SF #22 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.01" Tc=6.0 min CN=89 Runoff=0.24 cfs 803 cf |
| SubcatchmentH23: SF #23 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.13" Tc=6.0 min CN=90 Runoff=0.25 cfs 841 cf |
| SubcatchmentH24: SF #24 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.36 cfs 1,196 cf |
| SubcatchmentH25: SF #25 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.32 cfs 1,066 cf |

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| SubcatchmentH26: SF #26 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.25 cfs 838 cf |
| SubcatchmentH27: SF #27 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.24" Tc=6.0 min CN=91 Runoff=0.26 cfs 860 cf |
| SubcatchmentH28: SF #28 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.37 cfs 1,328 cf |
| SubcatchmentH29: SF #29 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.32 cfs 1,130 cf |
| SubcatchmentH3: SF #3 | Runoff Area=2,333 sf 88.43% 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>5.81" Tc=6.0 min CN=96 Runoff=0.37 cfs 1,328 cf |
| SubcatchmentH31: SF #31 | 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 |
| SubcatchmentH32: SF #32 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,107 cf |
| SubcatchmentH33: SF #33 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH34: SF #34 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| SubcatchmentH35: SF #35 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,107 cf |
| SubcatchmentH36: SF #36 | 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 |
| SubcatchmentH37: SF #37 | 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 |
| SubcatchmentH38: SF #38 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,107 cf |
| SubcatchmentH39: SF #39 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.26 cfs 893 cf |
| SubcatchmentH4: SF #4 | Runoff Area=2,741 sf 88.22% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH40: SF #40 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.26 cfs 897 cf |
| SubcatchmentH41: SF #41 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |

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| SubcatchmentH42: SF #42 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH43: SF #43 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.25 cfs 857 cf |
| SubcatchmentH44: SF #44 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.26 cfs 897 cf |
| SubcatchmentH45: SF #45 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,136 cf |
| SubcatchmentH46: SF #46 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH47: SF #47 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH48: SF #48 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,136 cf |
| SubcatchmentH49: SF #49 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH5: SF #5 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH50: SF #50 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH51: SF #51 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH52: SF #52 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH53: SF #53 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,136 cf |
| SubcatchmentH54: SF #54 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH55: SF #55 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH56: SF #56 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.31 cfs 1,085 cf |
| SubcatchmentH57: SF #57 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.26 cfs 897 cf |

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| Subcatchment H58: SF #58 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.35" Tc=6.0 min CN=92 Runoff=0.25 cfs 857 cf |
| Subcatchment H59: SF #59 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>5.47" Tc=6.0 min CN=93 Runoff=0.26 cfs 875 cf |
| Subcatchment H6: SF #6 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.33 cfs 1,160 cf |
| Subcatchment H60: SF #60 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.33 cfs 1,136 cf |
| Subcatchment H7: 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 |
| Subcatchment H8: SF #8 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.32 cfs 1,107 cf |
| Subcatchment H9: SF #9 | 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 |
| Subcatchment S201: ACCESS ROAD | Runoff Area=6,539 sf 66.08% Impervious Runoff Depth>4.57" Tc=6.0 min CN=85 Runoff=0.77 cfs 2,492 cf |
| Subcatchment S202: EXISTING WETLAND | Runoff Area=370,963 sf 10.29% Impervious Runoff Depth>4.03" Flow Length=1,037' Tc=21.8 min CN=80 Runoff=26.11 cfs 124,531 cf |
| Subcatchment S203: EXISTING WETLANDS | Runoff Area=137,806 sf 6.34% Impervious Runoff Depth>3.12" Flow Length=838' Tc=16.6 min CN=71 Runoff=8.37 cfs 35,873 cf |
| Subcatchment S204: EXISTING WETLANDS | Runoff Area=592,627 sf 0.00% Impervious Runoff Depth>2.64" Flow Length=820' Tc=23.9 min CN=66 Runoff=25.97 cfs 130,520 cf |
| Subcatchment S205: CUL-DE-SAC | Runoff Area=25,952 sf 0.00% Impervious Runoff Depth>2.20" Tc=6.0 min CN=61 Runoff=1.45 cfs 4,757 cf |
| Subcatchment S206: INFILTRATION POND | Runoff Area=17,694 sf 0.00% Impervious Runoff Depth>0.53" Tc=6.0 min CN=39 Runoff=0.09 cfs 782 cf |
| Subcatchment S207: INFILTRATION POND | Runoff Area=24,420 sf 2.99% Impervious Runoff Depth>0.65" Tc=6.0 min CN=41 Runoff=0.19 cfs 1,328 cf |
| Subcatchment S208: ISOLATED WETLAND | Runoff Area=40,692 sf 0.00% Impervious Runoff Depth>3.53" Tc=6.0 min CN=75 Runoff=3.79 cfs 11,961 cf |
| Subcatchment S209: EXISTING WETLANDS | Runoff Area=261,233 sf 0.00% Impervious Runoff Depth>3.72" Flow Length=550' Tc=21.8 min CN=77 Runoff=17.03 cfs 80,949 cf |
| Subcatchment S210: INFILTRATION POND | Runoff Area=31,093 sf 24.92% Impervious Runoff Depth>3.43" Tc=6.0 min CN=74 Runoff=2.81 cfs 8,880 cf |
| Subcatchment S211: EXISTING WETLANDS | Runoff Area=120,768 sf 0.00% Impervious Runoff Depth>3.32" Flow Length=580' Tc=15.0 min CN=73 Runoff=8.15 cfs 33,425 cf |

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| Subcatchment S212: SWALE | Runoff Area=63,598 sf 0.00% Impervious Runoff Depth>3.41" Flow Length=470' Tc=26.6 min CN=74 Runoff=3.50 cfs 18,084 cf |
| Subcatchment S213: OFFSITE | Runoff Area=102,126 sf 18.24% Impervious Runoff Depth>2.65" Flow Length=985' Tc=17.0 min CN=66 Runoff=5.14 cfs 22,531 cf |
| Subcatchment TH1: TOWN HOUSE #1 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.58 cfs 2,022 cf |
| Subcatchment TH10: TOWN HOUSE #10 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.59 cfs 2,064 cf |
| Subcatchment TH11: TOWN HOUSE #11 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.80 cfs 2,842 cf |
| Subcatchment TH2: TOWN HOUSE #2 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.58 cfs 2,022 cf |
| Subcatchment TH3: TOWN HOUSE #3 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.58" Tc=6.0 min CN=94 Runoff=0.58 cfs 2,022 cf |
| Subcatchment TH4: TOWN HOUSE #4 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>5.81" Tc=6.0 min CN=96 Runoff=0.80 cfs 2,842 cf |
| Subcatchment TH5: TOWN HOUSE #5 | Runoff Area=3,434 sf 88.24% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.47 cfs 1,630 cf |
| Subcatchment TH6: TOWN HOUSE #6 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.59 cfs 2,064 cf |
| Subcatchment TH7: TOWN HOUSE #7 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.59 cfs 2,064 cf |
| Subcatchment TH8: TOWN HOUSE #8 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>6.05" Tc=6.0 min CN=98 Runoff=0.60 cfs 2,192 cf |
| Subcatchment TH9: TOWN HOUSE #9 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>5.70" Tc=6.0 min CN=95 Runoff=0.59 cfs 2,064 cf |
| Reach 1R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.03 fps Inflow=1.09 cfs 1,681 cf n=0.400 L=1,350.0' S=0.0133 '/' Capacity=22.21 cfs Outflow=0.04 cfs 969 cf |
| Reach 2R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.02 fps Inflow=0.24 cfs 363 cf n=0.400 L=925.0' S=0.0124 '/' Capacity=21.45 cfs Outflow=0.01 cfs 210 cf |
| Reach 3R: OVERLAND FLOW | Avg. Flow Depth=0.03' Max Vel=0.05 fps Inflow=0.51 cfs 800 cf n=0.400 L=475.0' S=0.0174 '/' Capacity=20.48 cfs Outflow=0.06 cfs 735 cf |
| Reach 4R: OVERLAND FLOW | Avg. Flow Depth=0.10' Max Vel=0.22 fps Inflow=1.30 cfs 2,201 cf n=0.400 L=100.0' S=0.0800 '/' Capacity=54.42 cfs Outflow=1.07 cfs 2,201 cf |

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| Reach 5R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.37 cfs 554 cf n=0.400 L=826.0' S=0.0266 '/' Capacity=31.40 cfs Outflow=0.02 cfs 423 cf |
| Reach 6R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.08 fps Inflow=1.15 cfs 1,751 cf n=0.400 L=650.0' S=0.0323 '/' Capacity=34.58 cfs Outflow=0.15 cfs 1,628 cf |
| Reach 7R: OVERLAND FLOW | Avg. Flow Depth=0.03' Max Vel=0.08 fps Inflow=0.83 cfs 1,265 cf n=0.400 L=500.0' S=0.0360 '/' Capacity=36.50 cfs Outflow=0.13 cfs 1,221 cf |
| Reach 8R: OVERLAND FLOW | Avg. Flow Depth=0.03' Max Vel=0.08 fps Inflow=0.49 cfs 768 cf n=0.400 L=341.0' S=0.0469 '/' Capacity=41.67 cfs Outflow=0.11 cfs 763 cf |
| Reach 9R: OVERLAND FLOW | Avg. Flow Depth=0.08' Max Vel=0.12 fps Inflow=0.35 cfs 501 cf n=0.400 L=380.0' S=0.0316 '/' Capacity=8.12 cfs Outflow=0.10 cfs 496 cf |
| Reach 10R: OVERLAND FLOW | Avg. Flow Depth=0.24' Max Vel=0.31 fps Inflow=1.23 cfs 1,906 cf n=0.240 L=200.0' S=0.0200 '/' Capacity=10.77 cfs Outflow=0.85 cfs 1,906 cf |
| Reach 11R: OVERLAND FLOW | Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.88 cfs 1,306 cf n=0.400 L=920.0' S=0.0283 '/' Capacity=32.34 cfs Outflow=0.06 cfs 1,047 cf |
| Reach 12R: OVERLAND FLOW | Avg. Flow Depth=0.12' Max Vel=0.13 fps Inflow=2.01 cfs 3,681 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=0.81 cfs 3,661 cf |
| Reach 13R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.05 fps Inflow=0.97 cfs 1,769 cf n=0.400 L=660.0' S=0.0152 '/' Capacity=23.68 cfs Outflow=0.11 cfs 1,536 cf |
| Reach 14R: OVERLAND FLOW | Avg. Flow Depth=0.28' Max Vel=0.26 fps Inflow=8.37 cfs 35,873 cf n=0.400 L=800.0' S=0.0275 '/' Capacity=31.90 cfs Outflow=3.77 cfs 34,074 cf |
| Reach 15R: OVERLAND FLOW | Avg. Flow Depth=0.34' Max Vel=0.25 fps Inflow=9.45 cfs 17,172 cf n=0.400 L=300.0' S=0.0200 '/' Capacity=27.21 cfs Outflow=4.36 cfs 17,125 cf |
| Reach 16R: TRENCH DRAIN | Avg. Flow Depth=0.30' Max Vel=2.51 fps Inflow=0.50 cfs 1,613 cf 12.0" Round Pipe n=0.013 L=61.4' S=0.0050 '/' Capacity=2.53 cfs Outflow=0.50 cfs 1,612 cf |
| Reach 17R: SWALE | Avg. Flow Depth=0.52' Max Vel=0.64 fps Inflow=5.14 cfs 22,531 cf n=0.240 L=640.0' S=0.0313 '/' Capacity=12.22 cfs Outflow=3.82 cfs 22,129 cf |
| Reach 18R: OVERLAND FLOW | Avg. Flow Depth=0.37' Max Vel=0.41 fps Inflow=8.13 cfs 43,553 cf n=0.400 L=120.0' S=0.0500 '/' Capacity=44.93 cfs Outflow=8.07 cfs 43,527 cf |
| Reach 19R: OVERLAND FLOW | Avg. Flow Depth=0.39' Max Vel=0.20 fps Inflow=8.15 cfs 33,425 cf n=0.400 L=500.0' S=0.0104 '/' Capacity=19.62 cfs Outflow=3.97 cfs 32,031 cf |
| Reach 20R: OVERLAND FLOW | Avg. Flow Depth=0.17' Max Vel=0.22 fps Inflow=2.45 cfs 7,048 cf n=0.400 L=225.0' S=0.0391 '/' Capacity=38.05 cfs Outflow=1.86 cfs 7,046 cf |
| Reach 21R: OVERLAND FLOW | Avg. Flow Depth=0.15' Max Vel=0.07 fps Inflow=0.50 cfs 1,612 cf n=0.400 L=115.0' S=0.0052 '/' Capacity=6.85 cfs Outflow=0.24 cfs 1,566 cf |
| Reach 22R: CROSS PIPE | Avg. Flow Depth=0.49' Max Vel=7.04 fps Inflow=4.19 cfs 42,236 cf 24.0" Round Pipe n=0.013 L=35.0' S=0.0200 '/' Capacity=31.99 cfs Outflow=4.19 cfs 42,233 cf |

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Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.45' Max Vel=0.57 fps Inflow=4.19 cfs 42,233 cf
n=0.240 L=180.0' S=0.0278 '/ Capacity=16.59 cfs Outflow=4.15 cfs 42,043 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.50' Max Vel=0.23 fps Inflow=26.11 cfs 124,531 cf
n=0.400 L=700.0' S=0.0114 '/ Capacity=43.95 cfs Outflow=13.31 cfs 119,211 cf

Reach R211: OVERLAND FLOW Avg. Flow Depth=0.17' Max Vel=0.10 fps Inflow=3.45 cfs 9,104 cf
n=0.400 L=600.0' S=0.0078 '/ Capacity=17.03 cfs Outflow=0.84 cfs 8,638 cf

Pond CB1: CB#1 Peak Elev=207.24' Inflow=0.92 cfs 3,145 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0067 '/ Outflow=0.92 cfs 3,145 cf

Pond CB10: CB #10 Peak Elev=210.07' Inflow=0.76 cfs 2,768 cf
12.0" Round Culvert n=0.013 L=33.1' S=0.0051 '/ Outflow=0.76 cfs 2,768 cf

Pond CB11: CB #11 Peak Elev=211.38' Inflow=0.29 cfs 951 cf
12.0" Round Culvert n=0.013 L=17.4' S=0.0057 '/ Outflow=0.29 cfs 951 cf

Pond CB12: CB #12 Peak Elev=211.40' Inflow=0.31 cfs 1,036 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/ Outflow=0.31 cfs 1,036 cf

Pond CB13: CB #13 Peak Elev=209.13' Inflow=0.85 cfs 2,772 cf
12.0" Round Culvert n=0.013 L=10.1' S=0.0050 '/ Outflow=0.85 cfs 2,772 cf

Pond CB14: CB #14 Peak Elev=209.15' Inflow=0.90 cfs 2,989 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/ Outflow=0.90 cfs 2,989 cf

Pond CB15: CB #15 Peak Elev=207.61' Inflow=0.40 cfs 1,322 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/ Outflow=0.40 cfs 1,322 cf

Pond CB16: CB #16 Peak Elev=207.54' Inflow=0.27 cfs 911 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/ Outflow=0.27 cfs 911 cf

Pond CB17: CB #17 Peak Elev=203.59' Inflow=1.21 cfs 3,968 cf
12.0" Round Culvert n=0.013 L=13.6' S=0.0074 '/ Outflow=1.21 cfs 3,968 cf

Pond CB18: CB #18 Peak Elev=203.76' Inflow=1.17 cfs 3,914 cf
12.0" Round Culvert n=0.013 L=17.7' S=0.0051 '/ Outflow=1.17 cfs 3,914 cf

Pond CB19: CB #19 Peak Elev=204.17' Inflow=0.86 cfs 2,823 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/ Outflow=0.86 cfs 2,823 cf

Pond CB2: CB#2 Peak Elev=205.06' Inflow=2.82 cfs 9,460 cf
15.0" Round Culvert n=0.013 L=108.6' S=0.0050 '/ Outflow=2.82 cfs 9,460 cf

Pond CB20: CB #20 Peak Elev=204.24' Inflow=1.06 cfs 3,583 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 '/ Outflow=1.06 cfs 3,583 cf

Pond CB21: CB #21 Peak Elev=201.36' Inflow=1.21 cfs 4,056 cf
12.0" Round Culvert n=0.013 L=19.7' S=0.0051 '/ Outflow=1.21 cfs 4,056 cf

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| Pond CB22: CB #22 | Peak Elev=201.37' Inflow=1.27 cfs 4,154 cf 12.0" Round Culvert n=0.013 L=18.0' S=0.0050 ' Outflow=1.27 cfs 4,154 cf |
| Pond CB23: CB #23 | Peak Elev=201.79' Inflow=2.58 cfs 8,652 cf 12.0" Round Culvert n=0.013 L=21.9' S=0.0100 ' Outflow=2.58 cfs 8,652 cf |
| Pond CB24: CB #24 | Peak Elev=202.38' Inflow=0.31 cfs 1,122 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0056 ' Outflow=0.31 cfs 1,122 cf |
| Pond CB25: CB #25 | Peak Elev=204.63' Inflow=0.31 cfs 1,133 cf 12.0" Round Culvert n=0.013 L=16.3' S=0.0074 ' Outflow=0.31 cfs 1,133 cf |
| Pond CB26: CB #26 | Peak Elev=204.69' Inflow=0.43 cfs 1,485 cf 12.0" Round Culvert n=0.013 L=14.9' S=0.0081 ' Outflow=0.43 cfs 1,485 cf |
| Pond CB27: CB #27 | Peak Elev=203.26' Inflow=1.79 cfs 6,266 cf 12.0" Round Culvert n=0.013 L=11.5' S=0.0052 ' Outflow=1.79 cfs 6,266 cf |
| Pond CB28: CB #28 | Peak Elev=203.48' Inflow=2.44 cfs 8,266 cf 12.0" Round Culvert n=0.013 L=11.6' S=0.0052 ' Outflow=2.44 cfs 8,266 cf |
| Pond CB29: CB #29 | Peak Elev=203.24' Inflow=0.24 cfs 802 cf 12.0" Round Culvert n=0.013 L=23.4' S=0.0056 ' Outflow=0.24 cfs 802 cf |
| Pond CB3: CB#3 | Peak Elev=209.70' Inflow=1.35 cfs 4,433 cf 12.0" Round Culvert n=0.013 L=17.4' S=0.0052 ' Outflow=1.35 cfs 4,433 cf |
| Pond CB30: CB #30 | Peak Elev=203.46' Inflow=0.74 cfs 2,405 cf 12.0" Round Culvert n=0.013 L=15.0' S=0.0087 ' Outflow=0.74 cfs 2,405 cf |
| Pond CB31: CB #31 | Peak Elev=202.72' Inflow=1.83 cfs 6,467 cf 12.0" Round Culvert n=0.013 L=39.2' S=0.0051 ' Outflow=1.83 cfs 6,467 cf |
| Pond CB32: CB #32 | Peak Elev=202.95' Inflow=2.03 cfs 6,830 cf 12.0" Round Culvert n=0.013 L=54.5' S=0.0051 ' Outflow=2.03 cfs 6,830 cf |
| Pond CB33: CB #33 | Peak Elev=205.46' Inflow=1.41 cfs 4,871 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0170 ' Outflow=1.41 cfs 4,871 cf |
| Pond CB34: CB #34 | Peak Elev=205.42' Inflow=1.10 cfs 3,942 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 ' Outflow=1.10 cfs 3,942 cf |
| Pond CB35: CB #35 | Peak Elev=205.41' Inflow=0.95 cfs 3,265 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' Outflow=0.95 cfs 3,265 cf |
| Pond CB36: CB #36 | Peak Elev=205.37' Inflow=0.74 cfs 2,690 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' Outflow=0.74 cfs 2,690 cf |
| Pond CB37: CB #37 | Peak Elev=200.04' Inflow=0.56 cfs 1,921 cf 12.0" Round Culvert n=0.013 L=28.7' S=0.0052 ' Outflow=0.56 cfs 1,921 cf |
| Pond CB38: CB #38 | Peak Elev=199.89' Inflow=0.34 cfs 1,235 cf 12.0" Round Culvert n=0.013 L=22.7' S=0.0053 ' Outflow=0.34 cfs 1,235 cf |

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Pond CB39: CB #39 Peak Elev=197.77' Inflow=2.71 cfs 9,091 cf
12.0" Round Culvert n=0.013 L=31.2' S=0.0061 ' Outflow=2.71 cfs 9,091 cf

Pond CB4: CB#4 Peak Elev=209.82' Inflow=1.78 cfs 6,486 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0055 ' Outflow=1.78 cfs 6,486 cf

Pond CB40: CB #40 Peak Elev=203.24' Inflow=0.69 cfs 2,461 cf
12.0" Round Culvert n=0.013 L=13.4' S=0.0052 ' Outflow=0.69 cfs 2,461 cf

Pond CB41: CB #41 Peak Elev=203.24' Inflow=0.74 cfs 2,601 cf
12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' Outflow=0.74 cfs 2,601 cf

Pond CB42: CB #42 Peak Elev=200.87' Inflow=7.59 cfs 22,000 cf
18.0" Round Culvert n=0.013 L=147.0' S=0.0050 ' Outflow=7.59 cfs 22,000 cf

Pond CB43: CB #43 Peak Elev=205.57' Inflow=0.75 cfs 2,484 cf
12.0" Round Culvert n=0.013 L=21.1' S=0.0052 ' Outflow=0.75 cfs 2,484 cf

Pond CB44: CB #44 Peak Elev=205.57' Inflow=0.78 cfs 2,547 cf
12.0" Round Culvert n=0.013 L=22.0' S=0.0050 ' Outflow=0.78 cfs 2,547 cf

Pond CB45: CB #45 Peak Elev=206.90' Inflow=0.55 cfs 1,909 cf
12.0" Round Culvert n=0.013 L=11.7' S=0.0068 ' Outflow=0.55 cfs 1,909 cf

Pond CB46: CB #46 Peak Elev=207.01' Inflow=0.90 cfs 3,030 cf
12.0" Round Culvert n=0.013 L=16.5' S=0.0073 ' Outflow=0.90 cfs 3,030 cf

Pond CB47: CB #47 Peak Elev=208.68' Inflow=0.34 cfs 1,253 cf
12.0" Round Culvert n=0.013 L=17.9' S=0.0050 ' Outflow=0.34 cfs 1,253 cf

Pond CB48: CB #48 Peak Elev=208.75' Inflow=0.49 cfs 1,786 cf
12.0" Round Culvert n=0.013 L=19.5' S=0.0051 ' Outflow=0.49 cfs 1,786 cf

Pond CB49: CB #49 Peak Elev=210.68' Inflow=0.17 cfs 624 cf
12.0" Round Culvert n=0.013 L=19.9' S=0.0121 ' Outflow=0.17 cfs 624 cf

Pond CB5: CB#5 Peak Elev=212.45' Inflow=0.25 cfs 899 cf
12.0" Round Culvert n=0.013 L=30.3' S=0.0053 ' Outflow=0.25 cfs 899 cf

Pond CB50: CB #50 Peak Elev=210.37' Inflow=0.22 cfs 786 cf
12.0" Round Culvert n=0.013 L=34.1' S=0.0053 ' Outflow=0.22 cfs 786 cf

Pond CB51: CB #51 Peak Elev=210.88' Inflow=1.29 cfs 4,529 cf
12.0" Round Culvert n=0.013 L=24.4' S=0.0049 ' Outflow=1.29 cfs 4,529 cf

Pond CB52: CB #52 Peak Elev=211.19' Inflow=2.24 cfs 7,458 cf
12.0" Round Culvert n=0.013 L=24.2' S=0.0050 ' Outflow=2.24 cfs 7,458 cf

Pond CB53: CB #53 Peak Elev=214.48' Inflow=0.84 cfs 2,944 cf
12.0" Round Culvert n=0.013 L=24.7' S=0.0065 ' Outflow=0.84 cfs 2,944 cf

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Pond CB54: CB #54Peak Elev=214.54' Inflow=0.51 cfs 1,783 cf
12.0" Round Culvert n=0.013 L=38.2' S=0.0094 ' Outflow=0.51 cfs 1,783 cf**Pond CB55: CB #55**Peak Elev=218.39' Inflow=1.95 cfs 6,336 cf
12.0" Round Culvert n=0.013 L=73.1' S=0.0052 ' Outflow=1.95 cfs 6,336 cf**Pond CB56: CB #56**Peak Elev=220.64' Inflow=0.65 cfs 2,195 cf
12.0" Round Culvert n=0.013 L=26.6' S=0.0060 ' Outflow=0.65 cfs 2,195 cf**Pond CB57: CB #57**Peak Elev=220.47' Inflow=0.31 cfs 1,057 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0149 ' Outflow=0.31 cfs 1,057 cf**Pond CB58: CB #58**Peak Elev=221.79' Inflow=0.18 cfs 601 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0055 ' Outflow=0.18 cfs 601 cf**Pond CB59: CB #59**Peak Elev=222.22' Inflow=0.21 cfs 732 cf
12.0" Round Culvert n=0.013 L=37.1' S=0.0129 ' Outflow=0.21 cfs 732 cf**Pond CB6: CB#6**Peak Elev=213.09' Inflow=0.44 cfs 1,435 cf
12.0" Round Culvert n=0.013 L=32.2' S=0.0152 ' Outflow=0.44 cfs 1,435 cf**Pond CB60: CB #60**Peak Elev=202.45' Inflow=0.46 cfs 1,677 cf
12.0" Round Culvert n=0.013 L=11.5' S=0.0052 ' Outflow=0.46 cfs 1,677 cf**Pond CB61: CB #61**Peak Elev=202.53' Inflow=0.87 cfs 3,041 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0270 ' Outflow=0.87 cfs 3,041 cf**Pond CB62: CB#62**Peak Elev=207.16' Inflow=0.67 cfs 2,178 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0052 ' Outflow=0.67 cfs 2,178 cf**Pond CB7: CB#7**Peak Elev=214.88' Inflow=1.01 cfs 3,586 cf
12.0" Round Culvert n=0.013 L=15.0' S=0.0053 ' Outflow=1.01 cfs 3,586 cf**Pond CB8: CB#8**Peak Elev=215.22' Inflow=1.40 cfs 5,127 cf
12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' Outflow=1.40 cfs 5,127 cf**Pond CB9: CB #9**Peak Elev=210.30' Inflow=0.86 cfs 2,820 cf
12.0" Round Culvert n=0.013 L=15.8' S=0.0051 ' Outflow=0.86 cfs 2,820 cf**Pond D1: DMH#1**Peak Elev=204.35' Inflow=10.32 cfs 36,750 cf
24.0" Round Culvert n=0.013 L=86.9' S=0.0052 ' Outflow=10.32 cfs 36,750 cf**Pond D10: DMH #10**Peak Elev=203.47' Inflow=3.06 cfs 10,115 cf
15.0" Round Culvert n=0.013 L=240.0' S=0.0050 ' Outflow=3.06 cfs 10,115 cf**Pond D11: DMH #11**Peak Elev=202.69' Inflow=4.97 cfs 16,520 cf
15.0" Round Culvert n=0.013 L=221.7' S=0.0050 ' Outflow=4.97 cfs 16,520 cf**Pond D12: DMH #12**Peak Elev=200.74' Inflow=4.97 cfs 16,520 cf
18.0" Round Culvert n=0.013 L=30.2' S=0.0050 ' Outflow=4.97 cfs 16,520 cf**Pond D13: DMH #13**Peak Elev=201.13' Inflow=2.48 cfs 8,210 cf
15.0" Round Culvert n=0.013 L=26.4' S=0.0049 ' Outflow=2.48 cfs 8,210 cf

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| Pond D14: DMH #14 | Peak Elev=205.09' Inflow=2.51 cfs 8,814 cf 15.0" Round Culvert n=0.013 L=139.7' S=0.0050 '/ Outflow=2.51 cfs 8,814 cf |
| Pond D15: DMH #15 | Peak Elev=204.24' Inflow=4.20 cfs 14,768 cf 18.0" Round Culvert n=0.013 L=161.8' S=0.0050 '/ Outflow=4.20 cfs 14,768 cf |
| Pond D16: DMH #16 | Peak Elev=205.28' Inflow=1.69 cfs 5,955 cf 12.0" Round Culvert n=0.013 L=110.6' S=0.0051 '/ Outflow=1.69 cfs 5,955 cf |
| Pond D17: DMH #17 | Peak Elev=203.18' Inflow=5.63 cfs 19,831 cf 18.0" Round Culvert n=0.013 L=129.0' S=0.0050 '/ Outflow=5.63 cfs 19,831 cf |
| Pond D18: DMH #18 | Peak Elev=201.86' Inflow=6.96 cfs 24,549 cf 24.0" Round Culvert n=0.013 L=150.4' S=0.0050 '/ Outflow=6.96 cfs 24,549 cf |
| Pond D19: DMH #19 | Peak Elev=198.11' Inflow=19.99 cfs 68,964 cf 24.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/ Outflow=19.99 cfs 68,964 cf |
| Pond D2: DMH#2 | Peak Elev=207.13' Inflow=7.55 cfs 27,290 cf 18.0" Round Culvert n=0.013 L=77.2' S=0.0146 '/ Outflow=7.55 cfs 27,290 cf |
| Pond D20: DMH #20 | Peak Elev=197.57' Inflow=0.89 cfs 3,155 cf 12.0" Round Culvert n=0.013 L=131.9' S=0.0085 '/ Outflow=0.89 cfs 3,155 cf |
| Pond D21: DMH #21 | Peak Elev=196.73' Inflow=3.60 cfs 12,246 cf 15.0" Round Culvert n=0.013 L=75.6' S=0.0050 '/ Outflow=3.60 cfs 12,246 cf |
| Pond D22: DMH #22 | Peak Elev=196.45' Inflow=0.50 cfs 1,612 cf 12.0" Round Culvert n=0.013 L=11.1' S=0.0054 '/ Outflow=0.50 cfs 1,612 cf |
| Pond D23: DMH #23 | Peak Elev=199.30' Inflow=10.15 cfs 34,641 cf 24.0" Round Culvert n=0.013 L=231.7' S=0.0050 '/ Outflow=10.15 cfs 34,641 cf |
| Pond D24: DMH #24 | Peak Elev=200.63' Inflow=9.41 cfs 32,023 cf 24.0" Round Culvert n=0.013 L=261.4' S=0.0050 '/ Outflow=9.41 cfs 32,023 cf |
| Pond D25: DMH #25 | Peak Elev=201.58' Inflow=5.18 cfs 17,491 cf 18.0" Round Culvert n=0.013 L=139.0' S=0.0050 '/ Outflow=5.18 cfs 17,491 cf |
| Pond D26: DMH #26 | Peak Elev=202.28' Inflow=4.20 cfs 14,284 cf 18.0" Round Culvert n=0.013 L=130.0' S=0.0052 '/ Outflow=4.20 cfs 14,284 cf |
| Pond D27: DMH #27 | Peak Elev=205.51' Inflow=4.21 cfs 14,420 cf 15.0" Round Culvert n=0.013 L=101.4' S=0.0050 '/ Outflow=4.21 cfs 14,420 cf |
| Pond D28: DMH #28 | Peak Elev=206.81' Inflow=2.68 cfs 9,388 cf 15.0" Round Culvert n=0.013 L=134.2' S=0.0085 '/ Outflow=2.68 cfs 9,388 cf |
| Pond D29: DMH #29 | Peak Elev=208.43' Inflow=1.23 cfs 4,449 cf 15.0" Round Culvert n=0.013 L=194.7' S=0.0093 '/ Outflow=1.23 cfs 4,449 cf |

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| Pond D3: DMH#3 | Peak Elev=209.46' Inflow=5.98 cfs 21,967 cf 18.0" Round Culvert n=0.013 L=162.6' S=0.0155 '/' Outflow=5.98 cfs 21,967 cf |
| Pond D30: DMH #30 | Peak Elev=210.15' Inflow=0.39 cfs 1,410 cf 12.0" Round Culvert n=0.013 L=210.6' S=0.0069 '/' Outflow=0.39 cfs 1,410 cf |
| Pond D31: DMH #31 | Peak Elev=210.45' Inflow=8.18 cfs 27,634 cf 24.0" Round Culvert n=0.013 L=172.9' S=0.0050 '/' Outflow=8.18 cfs 27,634 cf |
| Pond D32: DMH #32 | Peak Elev=209.42' Inflow=8.18 cfs 27,634 cf 24.0" Round Culvert n=0.013 L=145.3' S=0.0050 '/' Outflow=8.18 cfs 27,634 cf |
| Pond D33: DMH #33 | Peak Elev=214.20' Inflow=4.65 cfs 15,648 cf 18.0" Round Culvert n=0.013 L=239.6' S=0.0151 '/' Outflow=4.65 cfs 15,648 cf |
| Pond D34: DMH #34 | Peak Elev=217.70' Inflow=3.30 cfs 10,921 cf 15.0" Round Culvert n=0.013 L=197.2' S=0.0165 '/' Outflow=3.30 cfs 10,921 cf |
| Pond D35: DMH #35 | Peak Elev=220.21' Inflow=1.36 cfs 4,585 cf 15.0" Round Culvert n=0.013 L=119.8' S=0.0184 '/' Outflow=1.36 cfs 4,585 cf |
| Pond D36: DMH #36 | Peak Elev=221.68' Inflow=0.39 cfs 1,333 cf 12.0" Round Culvert n=0.013 L=183.7' S=0.0073 '/' Outflow=0.39 cfs 1,333 cf |
| Pond D37: DMH #37 | Peak Elev=199.71' Inflow=7.59 cfs 22,000 cf 18.0" Round Culvert n=0.013 L=91.7' S=0.0050 '/' Outflow=7.59 cfs 22,000 cf |
| Pond D38: DMH #38 | Peak Elev=198.48' Inflow=8.36 cfs 23,382 cf 24.0" Round Culvert n=0.013 L=96.5' S=0.0050 '/' Outflow=8.36 cfs 23,382 cf |
| Pond D39: DMH #39 | Peak Elev=197.01' Inflow=0.50 cfs 1,612 cf 12.0" Round Culvert n=0.013 L=94.6' S=0.0050 '/' Outflow=0.50 cfs 1,612 cf |
| Pond D4: DMH#4 | Peak Elev=212.22' Inflow=3.02 cfs 11,047 cf 18.0" Round Culvert n=0.013 L=207.6' S=0.0146 '/' Outflow=3.02 cfs 11,047 cf |
| Pond D5: DMH#5 | Peak Elev=214.55' Inflow=2.34 cfs 8,713 cf 15.0" Round Culvert n=0.013 L=131.1' S=0.0137 '/' Outflow=2.34 cfs 8,713 cf |
| Pond D6: DMH #6 | Peak Elev=209.48' Inflow=1.62 cfs 5,588 cf 18.0" Round Culvert n=0.013 L=118.1' S=0.0050 '/' Outflow=1.62 cfs 5,588 cf |
| Pond D7: DMH #7 | Peak Elev=208.88' Inflow=2.23 cfs 7,575 cf 18.0" Round Culvert n=0.013 L=302.5' S=0.0050 '/' Outflow=2.23 cfs 7,575 cf |
| Pond D8: DMH #8 | Peak Elev=207.42' Inflow=3.97 cfs 13,336 cf 18.0" Round Culvert n=0.013 L=91.3' S=0.0055 '/' Outflow=3.97 cfs 13,336 cf |
| Pond D9: DMH #9 | Peak Elev=207.43' Inflow=0.67 cfs 2,232 cf 12.0" Round Culvert n=0.013 L=277.2' S=0.0152 '/' Outflow=0.67 cfs 2,232 cf |
| Pond DE1: DRIP #1 | Peak Elev=224.16' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |

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Pond DE10: DRIP #10 Peak Elev=213.42' Storage=247 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf

Pond DE11: DRIP #11 Peak Elev=212.77' Storage=281 cf Inflow=0.37 cfs 1,301 cf
Discarded=0.02 cfs 889 cf Primary=0.26 cfs 412 cf Outflow=0.28 cfs 1,301 cf

Pond DE12: DRIP #12 Peak Elev=212.07' Storage=281 cf Inflow=0.37 cfs 1,301 cf
Discarded=0.02 cfs 889 cf Primary=0.26 cfs 412 cf Outflow=0.28 cfs 1,301 cf

Pond DE13: DRIP #13 Peak Elev=211.11' Storage=229 cf Inflow=0.32 cfs 1,107 cf
Discarded=0.02 cfs 751 cf Primary=0.24 cfs 357 cf Outflow=0.25 cfs 1,107 cf

Pond DE14: DRIP #14 Peak Elev=210.37' Storage=212 cf Inflow=0.27 cfs 935 cf
Discarded=0.01 cfs 690 cf Primary=0.17 cfs 245 cf Outflow=0.19 cfs 935 cf

Pond DE15: DRIP #15 Peak Elev=209.92' Storage=247 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf

Pond DE16: DRIP #16 Peak Elev=208.97' 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 DE17: DRIP #17 Peak Elev=208.22' Storage=247 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf

Pond DE18: DRIP #18 Peak Elev=207.27' 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 DE19: DRIP #19 Peak Elev=206.52' Storage=247 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf

Pond DE2: DRIP #2 Peak Elev=223.65' 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 DE20: DRIP #20 Peak Elev=205.54' Storage=214 cf Inflow=0.33 cfs 1,160 cf
Discarded=0.06 cfs 1,039 cf Primary=0.13 cfs 122 cf Outflow=0.19 cfs 1,160 cf

Pond DE21: DRIP #21 Peak Elev=204.63' Storage=190 cf Inflow=0.26 cfs 893 cf
Discarded=0.06 cfs 876 cf Primary=0.02 cfs 17 cf Outflow=0.08 cfs 893 cf

Pond DE22: DRIP #22 Peak Elev=204.12' Storage=177 cf Inflow=0.24 cfs 803 cf
Discarded=0.06 cfs 803 cf Primary=0.00 cfs 0 cf Outflow=0.06 cfs 803 cf

Pond DE23: DRIP #23 Peak Elev=204.56' Storage=179 cf Inflow=0.25 cfs 841 cf
Discarded=0.05 cfs 808 cf Primary=0.04 cfs 34 cf Outflow=0.09 cfs 841 cf

Pond DE24: DRIP #24 Peak Elev=204.90' Storage=285 cf Inflow=0.36 cfs 1,196 cf
Discarded=0.06 cfs 1,147 cf Primary=0.06 cfs 51 cf Outflow=0.12 cfs 1,197 cf

Pond DE25: DRIP #25 Peak Elev=205.76' Storage=240 cf Inflow=0.32 cfs 1,066 cf
Discarded=0.02 cfs 744 cf Primary=0.22 cfs 323 cf Outflow=0.23 cfs 1,066 cf

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| Pond DE26: DRIP #26 | Peak Elev=206.24' Storage=214 cf Inflow=0.25 cfs 838 cf Discarded=0.02 cfs 662 cf Primary=0.13 cfs 176 cf Outflow=0.15 cfs 838 cf |
| Pond DE27: DRIP #27 | Peak Elev=207.12' Storage=110 cf Inflow=0.26 cfs 860 cf Discarded=0.01 cfs 537 cf Primary=0.20 cfs 323 cf Outflow=0.22 cfs 860 cf |
| Pond DE28: DRIP #28 | Peak Elev=208.28' Storage=282 cf Inflow=0.37 cfs 1,328 cf Discarded=0.02 cfs 907 cf Primary=0.26 cfs 421 cf Outflow=0.28 cfs 1,327 cf |
| Pond DE29: DRIP #29 | Peak Elev=208.15' Storage=169 cf Inflow=0.32 cfs 1,130 cf Discarded=0.02 cfs 701 cf Primary=0.25 cfs 429 cf Outflow=0.27 cfs 1,130 cf |
| Pond DE3: DRIP #3 | Peak Elev=222.10' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE30: DRIP #30 | Peak Elev=208.98' Storage=231 cf Inflow=0.37 cfs 1,328 cf Discarded=0.02 cfs 849 cf Primary=0.28 cfs 479 cf Outflow=0.30 cfs 1,327 cf |
| Pond DE31: DRIP #31 | Peak Elev=209.67' Storage=281 cf Inflow=0.37 cfs 1,301 cf Discarded=0.02 cfs 889 cf Primary=0.26 cfs 412 cf Outflow=0.28 cfs 1,301 cf |
| Pond DE32: DRIP #32 | Peak Elev=210.61' Storage=229 cf Inflow=0.32 cfs 1,107 cf Discarded=0.02 cfs 751 cf Primary=0.24 cfs 357 cf Outflow=0.25 cfs 1,107 cf |
| Pond DE33: DRIP #33 | Peak Elev=211.42' Storage=247 cf Inflow=0.33 cfs 1,160 cf Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf |
| Pond DE34: DRIP #34 | Peak Elev=212.42' Storage=247 cf Inflow=0.33 cfs 1,160 cf Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf |
| Pond DE35: DRIP #35 | Peak Elev=213.01' Storage=229 cf Inflow=0.32 cfs 1,107 cf Discarded=0.02 cfs 751 cf Primary=0.24 cfs 357 cf Outflow=0.25 cfs 1,107 cf |
| Pond DE36: DRIP #36 | Peak Elev=213.87' Storage=281 cf Inflow=0.37 cfs 1,301 cf Discarded=0.02 cfs 889 cf Primary=0.26 cfs 412 cf Outflow=0.28 cfs 1,301 cf |
| Pond DE37: DRIP #37 | Peak Elev=214.07' Storage=281 cf Inflow=0.37 cfs 1,301 cf Discarded=0.02 cfs 889 cf Primary=0.26 cfs 412 cf Outflow=0.28 cfs 1,301 cf |
| Pond DE38: DRIP #39 | Peak Elev=213.61' Storage=229 cf Inflow=0.32 cfs 1,107 cf Discarded=0.02 cfs 751 cf Primary=0.24 cfs 357 cf Outflow=0.25 cfs 1,107 cf |
| Pond DE39: DRIP #39 | 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 DE4: DRIP #4 | Peak Elev=220.15' Storage=280 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 874 cf Primary=0.25 cfs 400 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE40: DRIP #40 | Peak Elev=214.13' Storage=208 cf Inflow=0.26 cfs 897 cf Discarded=0.01 cfs 666 cf Primary=0.17 cfs 231 cf Outflow=0.19 cfs 897 cf |
| Pond DE41: DRIP #41 | Peak Elev=213.00' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |

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| Pond DE42: DRIP #42 | Peak Elev=212.00' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE43: DRIP #43 | Peak Elev=209.25' 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 DE44: DRIP #44 | Peak Elev=208.93' Storage=208 cf Inflow=0.26 cfs 897 cf Discarded=0.01 cfs 666 cf Primary=0.17 cfs 231 cf Outflow=0.19 cfs 897 cf |
| Pond DE45: DRIP #45 | Peak Elev=209.50' Storage=245 cf Inflow=0.33 cfs 1,136 cf Discarded=0.02 cfs 782 cf Primary=0.23 cfs 354 cf Outflow=0.25 cfs 1,136 cf |
| Pond DE46: DRIP #46 | Peak Elev=209.66' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE47: DRIP #47 | Peak Elev=209.60' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE48: DRIP #48 | Peak Elev=210.70' Storage=245 cf Inflow=0.33 cfs 1,136 cf Discarded=0.02 cfs 782 cf Primary=0.23 cfs 354 cf Outflow=0.25 cfs 1,136 cf |
| Pond DE49: DRIP #49 | Peak Elev=211.36' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE5: DRIP #5 | Peak Elev=220.10' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE50: DRIP #50 | Peak Elev=212.60' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE51: DRIP #51 | Peak Elev=213.46' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE52: DRIP #52 | Peak Elev=214.36' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE53: DRIP #53 | Peak Elev=215.10' Storage=245 cf Inflow=0.33 cfs 1,136 cf Discarded=0.02 cfs 782 cf Primary=0.23 cfs 354 cf Outflow=0.25 cfs 1,136 cf |
| Pond DE54: DRIP #54 | Peak Elev=216.00' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE55: DRIP #55 | Peak Elev=216.96' Storage=279 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 873 cf Primary=0.25 cfs 401 cf Outflow=0.27 cfs 1,274 cf |
| Pond DE56: DRIP #56 | Peak Elev=218.10' Storage=228 cf Inflow=0.31 cfs 1,085 cf Discarded=0.02 cfs 737 cf Primary=0.23 cfs 348 cf Outflow=0.25 cfs 1,085 cf |
| Pond DE57: DRIP #57 | Peak Elev=218.93' Storage=208 cf Inflow=0.26 cfs 897 cf Discarded=0.01 cfs 666 cf Primary=0.17 cfs 231 cf Outflow=0.19 cfs 897 cf |

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| Pond DE58: DRIP #58 | Peak Elev=218.85' 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 DE59: DRIP #59 | Peak Elev=217.66' Storage=217 cf Inflow=0.26 cfs 875 cf Discarded=0.02 cfs 684 cf Primary=0.14 cfs 190 cf Outflow=0.16 cfs 875 cf |
| Pond DE6: DRIP #6 | Peak Elev=212.62' Storage=247 cf Inflow=0.33 cfs 1,160 cf Discarded=0.02 cfs 797 cf Primary=0.24 cfs 363 cf Outflow=0.25 cfs 1,159 cf |
| Pond DE60: DRIP #60 | Peak Elev=216.40' Storage=245 cf Inflow=0.33 cfs 1,136 cf Discarded=0.02 cfs 782 cf Primary=0.23 cfs 354 cf Outflow=0.25 cfs 1,136 cf |
| Pond DE61: DRIP #61 | Peak Elev=213.44' Storage=216 cf Inflow=0.58 cfs 2,022 cf Discarded=0.03 cfs 1,137 cf Primary=0.48 cfs 885 cf Outflow=0.51 cfs 2,022 cf |
| Pond DE62: DRIP #62 | Peak Elev=211.74' Storage=216 cf Inflow=0.58 cfs 2,022 cf Discarded=0.03 cfs 1,137 cf Primary=0.48 cfs 885 cf Outflow=0.51 cfs 2,022 cf |
| Pond DE63: DRIP #63 | Peak Elev=213.44' Storage=216 cf Inflow=0.58 cfs 2,022 cf Discarded=0.03 cfs 1,137 cf Primary=0.48 cfs 885 cf Outflow=0.51 cfs 2,022 cf |
| Pond DE64: DRIP #64 | Peak Elev=209.32' Storage=395 cf Inflow=0.80 cfs 2,842 cf Discarded=0.03 cfs 1,640 cf Primary=0.63 cfs 1,202 cf Outflow=0.67 cfs 2,842 cf |
| Pond DE65: DRIP #65 | Peak Elev=208.54' Storage=169 cf Inflow=0.47 cfs 1,630 cf Discarded=0.02 cfs 953 cf Primary=0.40 cfs 676 cf Outflow=0.43 cfs 1,630 cf |
| Pond DE66: DRIP #66 | Peak Elev=207.05' Storage=218 cf Inflow=0.59 cfs 2,064 cf Discarded=0.03 cfs 1,162 cf Primary=0.49 cfs 902 cf Outflow=0.51 cfs 2,064 cf |
| Pond DE67: DRIP #67 | Peak Elev=205.15' Storage=218 cf Inflow=0.59 cfs 2,064 cf Discarded=0.03 cfs 1,162 cf Primary=0.49 cfs 902 cf Outflow=0.51 cfs 2,064 cf |
| Pond DE68: DRIP #68 | Peak Elev=206.16' Storage=220 cf Inflow=0.60 cfs 2,192 cf Discarded=0.03 cfs 1,250 cf Primary=0.49 cfs 942 cf Outflow=0.52 cfs 2,191 cf |
| Pond DE69: DRIP #69 | Peak Elev=206.15' Storage=218 cf Inflow=0.59 cfs 2,064 cf Discarded=0.03 cfs 1,162 cf Primary=0.49 cfs 902 cf Outflow=0.51 cfs 2,064 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=207.05' Storage=218 cf Inflow=0.59 cfs 2,064 cf Discarded=0.03 cfs 1,162 cf Primary=0.49 cfs 902 cf Outflow=0.51 cfs 2,064 cf |
| Pond DE71: DRIP #71 | Peak Elev=207.42' Storage=323 cf Inflow=0.80 cfs 2,842 cf Discarded=0.03 cfs 1,568 cf Primary=0.64 cfs 1,274 cf Outflow=0.67 cfs 2,842 cf |
| Pond DE8: DRIP #8 | Peak Elev=213.71' Storage=229 cf Inflow=0.32 cfs 1,107 cf Discarded=0.02 cfs 751 cf Primary=0.24 cfs 357 cf Outflow=0.25 cfs 1,107 cf |
| Pond DE9: DRIP #9 | Peak Elev=213.78' Storage=340 cf Inflow=0.37 cfs 1,301 cf Discarded=0.03 cfs 1,054 cf Primary=0.15 cfs 247 cf Outflow=0.18 cfs 1,301 cf |

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Pond DEB1: DRIP #B1 Peak Elev=203.73' Storage=1,416 cf Inflow=2.46 cfs 8,709 cf
Discarded=0.39 cfs 7,327 cf Primary=1.06 cfs 1,381 cf Outflow=1.45 cfs 8,709 cf

Pond DEB2: DRIP #B2 Peak Elev=204.30' Storage=1,590 cf Inflow=2.39 cfs 8,476 cf
Discarded=0.10 cfs 4,925 cf Primary=1.62 cfs 3,549 cf Outflow=1.72 cfs 8,474 cf

Pond DEB3: DRIP #B3 Peak Elev=203.08' Storage=1,161 cf Inflow=2.41 cfs 8,436 cf
Discarded=0.35 cfs 6,546 cf Primary=1.19 cfs 1,890 cf Outflow=1.54 cfs 8,435 cf

Pond DEB4: DRIP #B4 Peak Elev=203.01' Storage=1,158 cf Inflow=2.42 cfs 8,565 cf
Discarded=0.36 cfs 6,742 cf Primary=1.23 cfs 1,823 cf Outflow=1.60 cfs 8,564 cf

Pond DECH: DRIP #CH Peak Elev=204.56' Storage=398 cf Inflow=0.70 cfs 2,476 cf
Discarded=0.04 cfs 1,489 cf Primary=0.40 cfs 987 cf Outflow=0.43 cfs 2,476 cf

Pond P204: STORMTECH INFILTRATION Peak Elev=195.94' Storage=4,274 cf Inflow=5.02 cfs 15,795 cf
Discarded=0.22 cfs 8,745 cf Primary=2.45 cfs 7,048 cf Outflow=2.67 cfs 15,792 cf

Pond P205: INFILTRATION POND #5 Peak Elev=197.91' Storage=16,856 cf Inflow=14.67 cfs 67,980 cf
Discarded=0.42 cfs 18,390 cf Primary=8.13 cfs 43,553 cf Outflow=8.55 cfs 61,943 cf

Pond P206: INFILTRATION POND #4 Peak Elev=196.76' Storage=6,192 cf Inflow=7.49 cfs 25,546 cf
Discarded=1.09 cfs 22,121 cf Primary=1.90 cfs 3,421 cf Outflow=3.00 cfs 25,542 cf

Pond P207: INFILTRATION POND #3 Peak Elev=194.42' Storage=29,615 cf Inflow=20.12 cfs 70,292 cf
Discarded=0.81 cfs 42,110 cf Primary=2.94 cfs 20,048 cf Outflow=3.74 cfs 62,158 cf

Pond P210: INFILTRATION POND #1 Peak Elev=205.37' Storage=8,479 cf Inflow=11.45 cfs 37,399 cf
Discarded=0.39 cfs 19,756 cf Primary=9.45 cfs 17,172 cf Outflow=9.84 cfs 36,929 cf

Pond P212: INFILTRATION POND #2 Peak Elev=202.79' Storage=23,301 cf Inflow=12.32 cfs 51,657 cf
Discarded=0.65 cfs 30,638 cf Primary=3.45 cfs 9,104 cf Outflow=4.10 cfs 39,742 cf

Link AP1: ANALYSIS POINT 1 Inflow=0.77 cfs 2,492 cf
Primary=0.77 cfs 2,492 cf

Link AP2: ANALYSIS POINT 2 Inflow=31.72 cfs 224,602 cf
Primary=31.72 cfs 224,602 cf

Link AP3: ANALYSIS POINT 3 Inflow=4.26 cfs 12,863 cf
Primary=4.26 cfs 12,863 cf

Link AP4: ANALYSIS POINT #4 Inflow=51.52 cfs 311,840 cf
Primary=51.52 cfs 311,840 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 819,295 cf Average Runoff Depth = 3.81"
74.35% Pervious = 1,919,618 sf 25.65% Impervious = 662,127 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 2.46 cfs @ 12.09 hrs, Volume= 8,709 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 |
|-----------|----|-------------------------------|
| 15,945 | 98 | Roofs, HSG D |
| 2,035 | 80 | >75% Grass cover, Good, HSG D |
| 17,980 | 96 | Weighted Average |
| 2,035 | | 11.32% Pervious Area |
| 15,945 | | 88.68% 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 = 2.39 cfs @ 12.09 hrs, Volume= 8,476 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 |
|-----------|----|-------------------------------|
| 15,778 | 98 | Roofs, HSG D |
| 1,720 | 80 | >75% Grass cover, Good, HSG D |
| 17,498 | 96 | Weighted Average |
| 1,720 | | 9.83% Pervious Area |
| 15,778 | | 90.17% Impervious Area |

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

Summary for Subcatchment B3: MULTIFAMILY BLDG #3

Runoff = 2.41 cfs @ 12.09 hrs, Volume= 8,436 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 |
|-----------|----|-------------------------------|
| 4,144 | 98 | Roofs, HSG A |
| 461 | 39 | >75% Grass cover, Good, HSG A |
| 11,799 | 98 | Roofs, HSG D |
| 1,368 | 80 | >75% Grass cover, Good, HSG D |
| 17,772 | 95 | Weighted Average |
| 1,829 | | 10.29% Pervious Area |
| 15,943 | | 89.71% Impervious Area |

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

Summary for Subcatchment B4: MULTIFAMILY BLDG #4

Runoff = 2.42 cfs @ 12.09 hrs, Volume= 8,565 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 |
|-----------|----|-------------------------------|
| 77 | 98 | Roofs, HSG A |
| 33 | 39 | >75% Grass cover, Good, HSG A |
| 15,701 | 98 | Roofs, HSG D |
| 1,871 | 80 | >75% Grass cover, Good, HSG D |
| 17,682 | 96 | Weighted Average |
| 1,904 | | 10.77% Pervious Area |
| 15,778 | | 89.23% 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 = 0.92 cfs @ 12.12 hrs, Volume= 3,145 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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 6,654 | 61 | >75% Grass cover, Good, HSG B |
| 4,052 | 98 | Paved parking, HSG B |
| 10,706 | 75 | Weighted Average |
| 6,654 | | 62.15% Pervious Area |
| 4,052 | | 37.85% Impervious Area |

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| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.2 | 10 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 35 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 8.5 | 95 | Total | | | |

Summary for Subcatchment C10: CB #44

Runoff = 0.76 cfs @ 12.09 hrs, Volume= 2,768 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 |
|-----------|----|-------------------------|
| 4,687 | 98 | Paved parking, HSG C |
| 805 | 98 | Paved parking, HSG D |
| 5,492 | 98 | Weighted Average |
| 5,492 | | 100.00% Impervious Area |

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

Summary for Subcatchment C11: CB #47

Runoff = 0.29 cfs @ 12.09 hrs, Volume= 951 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 |
|-----------|----|-------------------------------|
| 1,095 | 74 | >75% Grass cover, Good, HSG C |
| 1,286 | 98 | Paved parking, HSG C |
| 2,381 | 87 | Weighted Average |
| 1,095 | | 45.99% Pervious Area |
| 1,286 | | 54.01% 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 C12: CB #48

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,036 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 |
|-----------|----|-------------------------------|
| 893 | 74 | >75% Grass cover, Good, HSG C |
| 1,587 | 98 | Paved parking, HSG C |
| 2,480 | 89 | Weighted Average |
| 893 | | 36.01% Pervious Area |
| 1,587 | | 63.99% Impervious Area |

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

Summary for Subcatchment C13: CB #49

Runoff = 0.85 cfs @ 12.09 hrs, Volume= 2,772 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 |
|-----------|----|-------------------------------|
| 3,091 | 74 | >75% Grass cover, Good, HSG C |
| 3,851 | 98 | Paved parking, HSG C |
| 6,942 | 87 | Weighted Average |
| 3,091 | | 44.53% Pervious Area |
| 3,851 | | 55.47% Impervious Area |

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

Summary for Subcatchment C14: CB #50

Runoff = 0.90 cfs @ 12.09 hrs, Volume= 2,989 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 |
|-----------|----|-------------------------------|
| 2,319 | 74 | >75% Grass cover, Good, HSG C |
| 4,680 | 98 | Paved parking, HSG C |
| 6,999 | 90 | Weighted Average |
| 2,319 | | 33.13% Pervious Area |
| 4,680 | | 66.87% 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 C15: CB #15

Runoff = 0.40 cfs @ 12.09 hrs, Volume= 1,322 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 |
|-----------|----|-------------------------------|
| 1,335 | 74 | >75% Grass cover, Good, HSG C |
| 1,900 | 98 | Paved parking, HSG C |
| 3,235 | 88 | Weighted Average |
| 1,335 | | 41.27% Pervious Area |
| 1,900 | | 58.73% 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 = 0.27 cfs @ 12.09 hrs, Volume= 911 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 |
|-----------|----|-------------------------------|
| 587 | 74 | >75% Grass cover, Good, HSG C |
| 1,500 | 98 | Paved parking, HSG C |
| 2,087 | 91 | Weighted Average |
| 587 | | 28.13% Pervious Area |
| 1,500 | | 71.87% Impervious Area |

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

Summary for Subcatchment C17: CB #17

Runoff = 1.21 cfs @ 12.09 hrs, Volume= 3,968 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,896 | 74 | >75% Grass cover, Good, HSG C |
| 5,818 | 98 | Paved parking, HSG C |
| 9,714 | 88 | Weighted Average |
| 3,896 | | 40.11% Pervious Area |
| 5,818 | | 59.89% 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 = 1.17 cfs @ 12.09 hrs, Volume= 3,914 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 |
|-----------|----|-------------------------------|
| 3,142 | 74 | >75% Grass cover, Good, HSG C |
| 6,023 | 98 | Paved parking, HSG C |
| 9,165 | 90 | Weighted Average |
| 3,142 | | 34.28% Pervious Area |
| 6,023 | | 65.72% Impervious Area |

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

Summary for Subcatchment C19: CB #19

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 2,823 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 |
|-----------|----|-------------------------------|
| 2,957 | 74 | >75% Grass cover, Good, HSG C |
| 3,953 | 98 | Paved parking, HSG C |
| 6,910 | 88 | Weighted Average |
| 2,957 | | 42.79% Pervious Area |
| 3,953 | | 57.21% 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 C2: CB #2

Runoff = 2.82 cfs @ 12.09 hrs, Volume= 9,460 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 |
|-----------|----|-------------------------------|
| 4,319 | 61 | >75% Grass cover, Good, HSG B |
| 16,432 | 98 | Paved parking, HSG B |
| 392 | 98 | Roofs, HSG D |
| 531 | 98 | Paved parking, HSG D |
| 21,674 | 91 | Weighted Average |
| 4,319 | | 19.93% Pervious Area |
| 17,355 | | 80.07% 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 = 1.06 cfs @ 12.09 hrs, Volume= 3,583 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 |
|-----------|----|-------------------------------|
| 2,145 | 74 | >75% Grass cover, Good, HSG C |
| 5,889 | 98 | Paved parking, HSG C |
| 8,034 | 92 | Weighted Average |
| 2,145 | | 26.70% Pervious Area |
| 5,889 | | 73.30% 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 = 1.21 cfs @ 12.09 hrs, Volume= 4,056 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 790 | 39 | >75% Grass cover, Good, HSG A |
| 5,569 | 98 | Paved parking, HSG A |
| 392 | 98 | Roofs, HSG A |
| 803 | 74 | >75% Grass cover, Good, HSG C |
| 1,739 | 98 | Paved parking, HSG C |
| 9,293 | 91 | Weighted Average |
| 1,593 | | 17.14% Pervious Area |
| 7,700 | | 82.86% Impervious Area |

| 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= 4,154 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 |
|-----------|----|-------------------------------|
| 1,806 | 39 | >75% Grass cover, Good, HSG A |
| 7,407 | 98 | Paved parking, HSG A |
| 147 | 74 | >75% Grass cover, Good, HSG C |
| 1,043 | 98 | Paved parking, HSG C |
| 10,403 | 87 | Weighted Average |
| 1,953 | | 18.77% Pervious Area |
| 8,450 | | 81.23% 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 = 2.58 cfs @ 12.09 hrs, Volume= 8,652 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 |
|-----------|----|-------------------------------|
| 2,167 | 39 | >75% Grass cover, Good, HSG A |
| 15,545 | 98 | Paved parking, HSG A |
| 996 | 80 | >75% Grass cover, Good, HSG D |
| 1,114 | 98 | Paved parking, HSG D |
| 19,822 | 91 | Weighted Average |
| 3,163 | | 15.96% Pervious Area |
| 16,659 | | 84.04% 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 C24: CB #24

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,122 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 | 39 | >75% Grass cover, Good, HSG A |
| 1,173 | 98 | Paved parking, HSG A |
| 729 | 98 | Roofs, HSG A |
| 321 | 98 | Paved parking, HSG D |
| 2,226 | 98 | Weighted Average |
| 3 | | 0.13% Pervious Area |
| 2,223 | | 99.87% 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 = 0.31 cfs @ 12.09 hrs, Volume= 1,133 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 |
|-----------|----|-------------------------|
| 1,421 | 98 | Paved parking, HSG A |
| 299 | 98 | Paved parking, HSG C |
| 529 | 98 | Paved parking, HSG D |
| 2,249 | 98 | Weighted Average |
| 2,249 | | 100.00% 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 = 0.43 cfs @ 12.09 hrs, Volume= 1,485 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4 | 39 | >75% Grass cover, Good, HSG A |
| 895 | 98 | Paved parking, HSG A |
| 686 | 80 | >75% Grass cover, Good, HSG D |
| 1,609 | 98 | Paved parking, HSG D |
| 3,194 | 94 | Weighted Average |
| 690 | | 21.60% Pervious Area |
| 2,504 | | 78.40% Impervious Area |

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

Summary for Subcatchment C27: CB #27

Runoff = 1.79 cfs @ 12.09 hrs, Volume= 6,266 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 |
|-----------|----|-------------------------------|
| 1,513 | 74 | >75% Grass cover, Good, HSG C |
| 4,982 | 98 | Paved parking, HSG C |
| 6,705 | 98 | Paved parking, HSG D |
| 13,200 | 95 | Weighted Average |
| 1,513 | | 11.46% Pervious Area |
| 11,687 | | 88.54% 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 = 2.44 cfs @ 12.09 hrs, Volume= 8,266 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 |
|-----------|----|-------------------------------|
| 1,630 | 74 | >75% Grass cover, Good, HSG C |
| 3,245 | 98 | Paved parking, HSG C |
| 4,081 | 80 | >75% Grass cover, Good, HSG D |
| 9,580 | 98 | Paved parking, HSG D |
| 18,536 | 92 | Weighted Average |
| 5,711 | | 30.81% Pervious Area |
| 12,825 | | 69.19% 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 C29: CB #29

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 802 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 |
|-----------|----|-------------------------------|
| 534 | 74 | >75% Grass cover, Good, HSG C |
| 1,303 | 98 | Paved parking, HSG C |
| 1,837 | 91 | Weighted Average |
| 534 | | 29.07% Pervious Area |
| 1,303 | | 70.93% 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 = 1.35 cfs @ 12.09 hrs, Volume= 4,433 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 |
|-----------|----|-------------------------------|
| 2,813 | 61 | >75% Grass cover, Good, HSG B |
| 8,040 | 98 | Paved parking, HSG B |
| 10,853 | 88 | Weighted Average |
| 2,813 | | 25.92% Pervious Area |
| 8,040 | | 74.08% 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 = 0.74 cfs @ 12.09 hrs, Volume= 2,405 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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,793 | 74 | >75% Grass cover, Good, HSG C |
| 3,230 | 98 | Paved parking, HSG C |
| 6,023 | 87 | Weighted Average |
| 2,793 | | 46.37% Pervious Area |
| 3,230 | | 53.63% Impervious Area |

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

Summary for Subcatchment C31: CB #31

Runoff = 1.83 cfs @ 12.09 hrs, Volume= 6,467 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 |
|-----------|----|-------------------------------|
| 634 | 74 | >75% Grass cover, Good, HSG C |
| 2,972 | 98 | Paved parking, HSG C |
| 764 | 80 | >75% Grass cover, Good, HSG D |
| 8,982 | 98 | Paved parking, HSG D |
| 13,352 | 96 | Weighted Average |
| 1,398 | | 10.47% Pervious Area |
| 11,954 | | 89.53% 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 = 2.03 cfs @ 12.09 hrs, Volume= 6,830 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 |
|-----------|----|-------------------------------|
| 4,858 | 74 | >75% Grass cover, Good, HSG C |
| 6,672 | 98 | Paved parking, HSG C |
| 26 | 80 | >75% Grass cover, Good, HSG D |
| 4,091 | 98 | Paved parking, HSG D |
| 15,647 | 91 | Weighted Average |
| 4,884 | | 31.21% Pervious Area |
| 10,763 | | 68.79% 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 C33: CB #33

Runoff = 1.41 cfs @ 12.09 hrs, Volume= 4,871 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 |
|-----------|----|-------------------------------|
| 2,168 | 80 | >75% Grass cover, Good, HSG D |
| 8,307 | 98 | Paved parking, HSG D |
| 10,475 | 94 | Weighted Average |
| 2,168 | | 20.70% Pervious Area |
| 8,307 | | 79.30% Impervious Area |

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

Summary for Subcatchment C34: CB #34

Runoff = 1.10 cfs @ 12.09 hrs, Volume= 3,942 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 |
|-----------|----|-------------------------------|
| 312 | 80 | >75% Grass cover, Good, HSG D |
| 5,678 | 98 | Paved parking, HSG D |
| 1,988 | 98 | Roofs, HSG D |
| 7,978 | 97 | Weighted Average |
| 312 | | 3.91% Pervious Area |
| 7,666 | | 96.09% 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 = 0.95 cfs @ 12.09 hrs, Volume= 3,265 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 1,925 | 80 | >75% Grass cover, Good, HSG D |
| 5,243 | 98 | Paved parking, HSG D |
| 7,168 | 93 | Weighted Average |
| 1,925 | | 26.86% Pervious Area |
| 5,243 | | 73.14% 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 = 0.74 cfs @ 12.09 hrs, Volume= 2,690 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 |
|-----------|----|-------------------------------|
| 132 | 80 | >75% Grass cover, Good, HSG D |
| 5,206 | 98 | Paved parking, HSG D |
| 5,338 | 98 | Weighted Average |
| 132 | | 2.47% Pervious Area |
| 5,206 | | 97.53% Impervious Area |

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

Summary for Subcatchment C37: CB #37

Runoff = 0.56 cfs @ 12.09 hrs, Volume= 1,921 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 |
|-----------|----|-------------------------------|
| 962 | 80 | >75% Grass cover, Good, HSG D |
| 3,168 | 98 | Paved parking, HSG D |
| 4,130 | 94 | Weighted Average |
| 962 | | 23.29% Pervious Area |
| 3,168 | | 76.71% 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 C38: CB #38

Runoff = 0.34 cfs @ 12.09 hrs, Volume= 1,235 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 |
|-----------|----|-------------------------|
| 2,450 | 98 | Paved parking, HSG D |
| 2,450 | | 100.00% Impervious Area |

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

Summary for Subcatchment C39: CB #39

Runoff = 2.71 cfs @ 12.09 hrs, Volume= 9,091 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 |
|-----------|----|-------------------------------|
| 7,541 | 80 | >75% Grass cover, Good, HSG D |
| 12,710 | 98 | Paved parking, HSG D |
| 576 | 98 | Roofs, HSG D |
| 20,827 | 91 | Weighted Average |
| 7,541 | | 36.21% Pervious Area |
| 13,286 | | 63.79% 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 = 1.78 cfs @ 12.15 hrs, Volume= 6,486 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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 12,820 | 61 | >75% Grass cover, Good, HSG B |
| 8,652 | 98 | Paved parking, HSG B |
| 21,472 | 76 | Weighted Average |
| 12,820 | | 59.71% Pervious Area |
| 8,652 | | 40.29% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.7 | 40 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 285 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 10.7 | 375 | Total | | | |

Summary for Subcatchment C40: CB #40

Runoff = 0.69 cfs @ 12.09 hrs, Volume= 2,461 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 |
|-----------|----|-------------------------------|
| 356 | 80 | >75% Grass cover, Good, HSG D |
| 4,624 | 98 | Paved parking, HSG D |
| 4,980 | 97 | Weighted Average |
| 356 | | 7.15% Pervious Area |
| 4,624 | | 92.85% 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 = 0.74 cfs @ 12.09 hrs, Volume= 2,601 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 |
|-----------|----|-------------------------------|
| 821 | 80 | >75% Grass cover, Good, HSG D |
| 4,659 | 98 | Paved parking, HSG D |
| 5,480 | 95 | Weighted Average |
| 821 | | 14.98% Pervious Area |
| 4,659 | | 85.02% 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 C42: CB #42

Runoff = 5.43 cfs @ 12.11 hrs, Volume= 18,288 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 |
|-----------|----|-------------------------------|
| 1,274 | 39 | >75% Grass cover, Good, HSG A |
| 42,220 | 80 | >75% Grass cover, Good, HSG D |
| 8,142 | 98 | Paved parking, HSG D |
| 51,636 | 82 | Weighted Average |
| 43,494 | | 84.23% Pervious Area |
| 8,142 | | 15.77% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 3.9 | 50 | 0.0500 | 0.22 | | Sheet Flow, Grass: Short n= 0.150 P2= 3.27" |
| 0.4 | 40 | 0.0500 | 1.57 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 3.5 | 210 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 7.8 | 300 | Total | | | |

Summary for Subcatchment C43: CB #43

Runoff = 0.75 cfs @ 12.09 hrs, Volume= 2,484 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 |
|-----------|----|-------------------------------|
| 2,274 | 74 | >75% Grass cover, Good, HSG C |
| 3,672 | 98 | Paved parking, HSG C |
| 5,946 | 89 | Weighted Average |
| 2,274 | | 38.24% Pervious Area |
| 3,672 | | 61.76% 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 = 0.78 cfs @ 12.09 hrs, Volume= 2,547 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,662 | 74 | >75% Grass cover, Good, HSG C |
| 3,574 | 98 | Paved parking, HSG C |
| 6,236 | 88 | Weighted Average |
| 2,662 | | 42.69% Pervious Area |
| 3,574 | | 57.31% 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 = 0.55 cfs @ 12.09 hrs, Volume= 1,909 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 |
|-----------|----|-------------------------------|
| 686 | 74 | >75% Grass cover, Good, HSG C |
| 3,419 | 98 | Paved parking, HSG C |
| 4,105 | 94 | Weighted Average |
| 686 | | 16.71% Pervious Area |
| 3,419 | | 83.29% Impervious Area |

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

Summary for Subcatchment C46: CB #46

Runoff = 0.90 cfs @ 12.09 hrs, Volume= 3,030 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 |
|-----------|----|-------------------------------|
| 2,100 | 74 | >75% Grass cover, Good, HSG C |
| 4,843 | 98 | Paved parking, HSG C |
| 6,943 | 91 | Weighted Average |
| 2,100 | | 30.25% Pervious Area |
| 4,843 | | 69.75% 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 C47: CB #47

Runoff = 0.34 cfs @ 12.09 hrs, Volume= 1,253 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 |
|-----------|----|-------------------------|
| 2,486 | 98 | Paved parking, HSG C |
| 2,486 | | 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 = 0.49 cfs @ 12.09 hrs, Volume= 1,786 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 |
|-----------|----|-------------------------|
| 3,544 | 98 | Paved parking, HSG C |
| 3,544 | | 100.00% Impervious Area |

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

Summary for Subcatchment C49: CB #49

Runoff = 0.17 cfs @ 12.09 hrs, Volume= 624 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,194 | 98 | Paved parking, HSG C |
| 1,263 | 97 | Weighted Average |
| 69 | | 5.46% Pervious Area |
| 1,194 | | 94.54% 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 C5: CB #5

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 899 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 |
|-----------|----|-------------------------|
| 913 | 98 | Paved parking, HSG B |
| 870 | 98 | Paved parking, HSG D |
| 1,783 | 98 | Weighted Average |
| 1,783 | | 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 = 0.22 cfs @ 12.09 hrs, Volume= 786 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,521 | 98 | Paved parking, HSG C |
| 1,590 | 97 | Weighted Average |
| 69 | | 4.34% Pervious Area |
| 1,521 | | 95.66% Impervious Area |

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

Summary for Subcatchment C51: CB #51

Runoff = 1.29 cfs @ 12.09 hrs, Volume= 4,529 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 |
|-----------|----|-------------------------------|
| 609 | 61 | >75% Grass cover, Good, HSG B |
| 7,760 | 98 | Paved parking, HSG B |
| 125 | 74 | >75% Grass cover, Good, HSG C |
| 1,047 | 98 | Paved parking, HSG C |
| 9,541 | 95 | Weighted Average |
| 734 | | 7.69% Pervious Area |
| 8,807 | | 92.31% 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 C52: CB #52

Runoff = 2.24 cfs @ 12.09 hrs, Volume= 7,458 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 |
|-----------|----|-------------------------------|
| 3,737 | 61 | >75% Grass cover, Good, HSG B |
| 12,747 | 98 | Paved parking, HSG B |
| 127 | 74 | >75% Grass cover, Good, HSG C |
| 851 | 98 | Paved parking, HSG C |
| 17,462 | 90 | Weighted Average |
| 3,864 | | 22.13% Pervious Area |
| 13,598 | | 77.87% Impervious Area |

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

Summary for Subcatchment C53: CB #53

Runoff = 0.84 cfs @ 12.09 hrs, Volume= 2,944 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 |
|-----------|----|-------------------------------|
| 504 | 61 | >75% Grass cover, Good, HSG B |
| 5,698 | 98 | Paved parking, HSG B |
| 6,202 | 95 | Weighted Average |
| 504 | | 8.13% Pervious Area |
| 5,698 | | 91.87% Impervious Area |

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

Summary for Subcatchment C54: CB #54

Runoff = 0.51 cfs @ 12.09 hrs, Volume= 1,783 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 |
|-----------|----|-------------------------------|
| 316 | 61 | >75% Grass cover, Good, HSG B |
| 3,440 | 98 | Paved parking, HSG B |
| 3,756 | 95 | Weighted Average |
| 316 | | 8.41% Pervious Area |
| 3,440 | | 91.59% Impervious Area |

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

Summary for Subcatchment C55: CB #55

Runoff = 1.95 cfs @ 12.10 hrs, Volume= 6,336 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 |
|-----------|----|-------------------------------|
| 10,044 | 61 | >75% Grass cover, Good, HSG B |
| 9,274 | 98 | Paved parking, HSG B |
| 19,318 | 79 | Weighted Average |
| 10,044 | | 51.99% Pervious Area |
| 9,274 | | 48.01% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.8 | 70 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 6.9 | 120 | Total | | | |

Summary for Subcatchment C56: CB #56

Runoff = 0.65 cfs @ 12.09 hrs, Volume= 2,195 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 |
|-----------|----|-------------------------------|
| 1,015 | 61 | >75% Grass cover, Good, HSG B |
| 4,014 | 98 | Paved parking, HSG B |
| 5,029 | 91 | Weighted Average |
| 1,015 | | 20.18% Pervious Area |
| 4,014 | | 79.82% 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 C57: CB #57

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,057 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 |
|-----------|----|-------------------------------|
| 369 | 61 | >75% Grass cover, Good, HSG B |
| 2,001 | 98 | Paved parking, HSG B |
| 2,370 | 92 | Weighted Average |
| 369 | | 15.57% Pervious Area |
| 2,001 | | 84.43% Impervious Area |

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

Summary for Subcatchment C58: CB #58

Runoff = 0.18 cfs @ 12.09 hrs, Volume= 601 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,119 | 98 | Paved parking, HSG B |
| 1,348 | 92 | Weighted Average |
| 229 | | 16.99% Pervious Area |
| 1,119 | | 83.01% Impervious Area |

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

Summary for Subcatchment C59: CB #59

Runoff = 0.21 cfs @ 12.09 hrs, Volume= 732 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,378 | 98 | Paved parking, HSG B |
| 1,607 | 93 | Weighted Average |
| 229 | | 14.25% Pervious Area |
| 1,378 | | 85.75% 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 = 0.44 cfs @ 12.09 hrs, Volume= 1,435 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 |
|-----------|----|-------------------------------|
| 1,084 | 61 | >75% Grass cover, Good, HSG B |
| 1,285 | 98 | Paved parking, HSG B |
| 955 | 98 | Paved parking, HSG D |
| 442 | 80 | >75% Grass cover, Good, HSG D |
| 3,766 | 85 | Weighted Average |
| 1,526 | | 40.52% Pervious Area |
| 2,240 | | 59.48% Impervious Area |

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

Summary for Subcatchment C60: CB #60

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,677 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 |
|-----------|----|-------------------------|
| 3,327 | 98 | Paved parking, HSG D |
| 3,327 | | 100.00% 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 C61: CB #61

Runoff = 0.87 cfs @ 12.09 hrs, Volume= 3,041 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 |
|-----------|----|-------------------------------|
| 965 | 80 | >75% Grass cover, Good, HSG D |
| 5,442 | 98 | Paved parking, HSG D |
| 6,407 | 95 | Weighted Average |
| 965 | | 15.06% Pervious Area |
| 5,442 | | 84.94% Impervious Area |

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

Summary for Subcatchment C62: CB #62

Runoff = 0.67 cfs @ 12.09 hrs, Volume= 2,178 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 |
|-----------|----|-------------------------------|
| 2,010 | 61 | >75% Grass cover, Good, HSG B |
| 3,704 | 98 | Paved parking, HSG B |
| 5,714 | 85 | Weighted Average |
| 2,010 | | 35.18% Pervious Area |
| 3,704 | | 64.82% Impervious Area |

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

Summary for Subcatchment C64: CB #64

Runoff = 0.50 cfs @ 12.10 hrs, Volume= 1,613 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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,231 | 39 | >75% Grass cover, Good, HSG A |
| 2,773 | 98 | Paved parking, HSG A |
| 86 | 80 | >75% Grass cover, Good, HSG D |
| 465 | 98 | Paved parking, HSG D |
| 7,555 | 65 | Weighted Average |
| 4,317 | | 57.14% Pervious Area |
| 3,238 | | 42.86% 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 = 1.01 cfs @ 12.09 hrs, Volume= 3,586 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 |
|-----------|----|-------------------------------|
| 376 | 61 | >75% Grass cover, Good, HSG B |
| 7,027 | 98 | Paved parking, HSG B |
| 7,403 | 96 | Weighted Average |
| 376 | | 5.08% Pervious Area |
| 7,027 | | 94.92% Impervious Area |

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

Summary for Subcatchment C8: CB #8

Runoff = 1.40 cfs @ 12.14 hrs, Volume= 5,127 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 |
|-----------|----|-------------------------------|
| 3,838 | 61 | >75% Grass cover, Good, HSG B |
| 9,011 | 98 | Paved parking, HSG B |
| 12,849 | 87 | Weighted Average |
| 3,838 | | 29.87% Pervious Area |
| 9,011 | | 70.13% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.3 | 80 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 65 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 9.8 | 195 | Total | | | |

Summary for Subcatchment C9: CB #45

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 2,820 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 |
|-----------|----|-------------------------------|
| 3,207 | 74 | >75% Grass cover, Good, HSG C |
| 3,855 | 98 | Paved parking, HSG C |
| 7,062 | 87 | Weighted Average |
| 3,207 | | 45.41% Pervious Area |
| 3,855 | | 54.59% Impervious Area |

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

Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 0.70 cfs @ 12.09 hrs, Volume= 2,476 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 |
|-----------|----|-------------------------------|
| 4,476 | 98 | Roofs, HSG D |
| 636 | 80 | >75% Grass cover, Good, HSG D |
| 5,112 | 96 | Weighted Average |
| 636 | | 12.44% Pervious Area |
| 4,476 | | 87.56% 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 H1: SF #1

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H10: SF #10

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

| 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= 1,301 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 |

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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 H12: SF #12

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 H13: SF #13

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,107 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.27 cfs @ 12.09 hrs, Volume= 935 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG C |
| 268 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 95 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.33 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H16: SF #16

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 H17: SF #17

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.26 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 H19: SF #19

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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 = 0.33 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.26 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"

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Type III 24-hr 25YR Rainfall=6.29"

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| 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 H22: SF #22

Runoff = 0.24 cfs @ 12.09 hrs, Volume= 803 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 |
|-----------|----|-------------------------------|
| 1,631 | 98 | Roofs, HSG A |
| 290 | 39 | >75% Grass cover, Good, HSG A |
| 1,921 | 89 | 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 H23: SF #23

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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG A |
| 268 | 39 | >75% Grass cover, Good, HSG A |
| 1,970 | 90 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H24: SF #24

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 |
| 322 | 39 | >75% Grass cover, Good, HSG A |
| 2,741 | 91 | 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 H25: SF #25

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,066 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 |
|-----------|----|-------------------------------|
| 2,032 | 98 | Roofs, HSG A |
| 283 | 39 | >75% Grass cover, Good, HSG A |
| 121 | 98 | Roofs, HSG C |
| 7 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 91 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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= 838 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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 988 | 98 | Roofs, HSG A |
| 207 | 39 | >75% Grass cover, Good, HSG A |
| 643 | 98 | Roofs, HSG C |
| 83 | 74 | >75% Grass cover, Good, HSG C |
| 1,921 | 91 | 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 H27: SF #27

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 860 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 |
|-----------|----|-------------------------------|
| 810 | 98 | Roofs, HSG A |
| 190 | 39 | >75% Grass cover, Good, HSG A |
| 892 | 98 | Roofs, HSG C |
| 78 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 91 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H28: SF #28

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,328 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 |
|-----------|----|-------------------------------|
| 683 | 98 | Roofs, HSG C |
| 38 | 74 | >75% Grass cover, Good, HSG C |
| 1,736 | 98 | Roofs, HSG D |
| 284 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H29: SF #29

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,130 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 |
|-----------|----|-------------------------------|
| 424 | 98 | Roofs, HSG C |
| 40 | 74 | >75% Grass cover, Good, HSG C |
| 1,639 | 98 | Roofs, HSG D |
| 230 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 96 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

| 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= 1,328 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 |
|-----------|----|-------------------------------|
| 1,988 | 98 | Roofs, HSG C |
| 175 | 74 | >75% Grass cover, Good, HSG C |
| 431 | 98 | Roofs, HSG D |
| 147 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | 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= 1,301 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 H32: SF #32

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,107 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H33: SF #33

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.33 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H35: SF #35

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,107 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H36: SF #36

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 |
| 319 | 74 | >75% Grass cover, Good, HSG C |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 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 H37: SF #37

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 H38: SF #38

Runoff = 0.32 cfs @ 12.09 hrs, Volume= 1,107 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.26 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 H4: SF #4

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 323 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 323 | | 11.78% Pervious Area |
| 2,418 | | 88.22% 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 H40: SF #40

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 897 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.31 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H42: SF #42

Runoff = 0.31 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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,033 | 98 | Roofs, HSG B |
| 202 | 61 | >75% Grass cover, Good, HSG B |
| 30 | 98 | Roofs, HSG D |
| 68 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.25 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 |
| 282 | 61 | >75% Grass cover, Good, HSG B |
| 8 | 80 | >75% Grass cover, Good, HSG D |
| 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 H44: SF #44

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 897 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H45: SF #45

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,136 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H47: SF #47

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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 1,136 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H49: SF #49

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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, |

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Type III 24-hr 25YR Rainfall=6.29"

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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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H50: SF #50

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H51: SF #51

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H52: SF #52

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H53: SF #53

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,136 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H54: SF #54

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"

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Type III 24-hr 25YR Rainfall=6.29"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H55: SF #55

Runoff = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H56: SF #56

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H57: SF #57

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 897 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H58: SF #58

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 H59: SF #59

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 875 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 |
|-----------|----|-------------------------------|
| 1,624 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 7 | 98 | Roofs, HSG D |
| 23 | 80 | >75% Grass cover, Good, HSG D |
| 1,921 | 93 | 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 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H60: SF #60

Runoff = 0.33 cfs @ 12.09 hrs, Volume= 1,136 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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= 1,107 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 1,301 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 |

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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 S201: ACCESS ROAD APRON

Runoff = 0.77 cfs @ 12.09 hrs, Volume= 2,492 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 |
|-----------|----|-------------------------------|
| 2,218 | 61 | >75% Grass cover, Good, HSG B |
| 4,321 | 98 | Paved parking, HSG B |
| 6,539 | 85 | Weighted Average |
| 2,218 | | 33.92% Pervious Area |
| 4,321 | | 66.08% Impervious Area |

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

Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 26.11 cfs @ 12.30 hrs, Volume= 124,531 cf, Depth> 4.03"

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 |
|-----------|----|-------------------------------|
| 34,616 | 48 | Brush, Good, HSG B |
| 23,609 | 55 | Woods, Good, HSG B |
| 15,054 | 98 | Paved parking, HSG B |
| 22,380 | 98 | Water Surface, 0% imp, HSG B |
| 102,621 | 68 | 1 acre lots, 20% imp, HSG B |
| 4,867 | 74 | >75% Grass cover, Good, HSG C |
| 13,315 | 70 | Woods, Good, HSG C |
| 17,949 | 98 | Water Surface, 0% imp, HSG C |
| 1,086 | 73 | Brush, Good, HSG D |
| 14,917 | 77 | Woods, Good, HSG D |
| 107,657 | 98 | Water Surface, 0% imp, HSG D |
| 12,892 | 84 | 1 acre lots, 20% imp, HSG D |
| 370,963 | 80 | Weighted Average |
| 332,806 | | 89.71% Pervious Area |
| 38,157 | | 10.29% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 5.2 | 50 | 0.0600 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.7 | 170 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.8 | 60 | 0.0600 | 1.22 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.9 | 192 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.0 | 80 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 11.1 | 470 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 1,037 | Total | | | |

Summary for Subcatchment S203: EXISTING WETLANDS

Runoff = 8.37 cfs @ 12.23 hrs, Volume= 35,873 cf, Depth> 3.12"

Runoff 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 |
|-----------|----|-------------------------------|
| 16,240 | 48 | Brush, Good, HSG B |
| 31,422 | 55 | Woods, Good, HSG B |
| 3,360 | 98 | Water Surface, 0% imp, HSG B |
| 43,662 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,053 | 74 | >75% Grass cover, Good, HSG C |
| 2,158 | 70 | Woods, Good, HSG C |
| 2,198 | 98 | Water Surface, 0% imp, HSG C |
| 3,001 | 73 | Brush, Good, HSG D |
| 5,288 | 77 | Woods, Good, HSG D |
| 28,424 | 98 | Water Surface, 0% imp, HSG D |
| 137,806 | 71 | Weighted Average |
| 129,074 | | 93.66% Pervious Area |
| 8,732 | | 6.34% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 5.2 | 50 | 0.0600 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.7 | 180 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 2.5 | 260 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 113 | 0.0400 | 1.00 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 5.2 | 220 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 16.6 | 838 | Total | | | |

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 25.97 cfs @ 12.35 hrs, Volume= 130,520 cf, Depth> 2.64"

Runoff 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 |
|-----------|----|------------------------------|
| 74,372 | 30 | Brush, Good, HSG A |
| 79,677 | 30 | Woods, Good, HSG A |
| 25,957 | 48 | Brush, Good, HSG B |
| 14,769 | 55 | Woods, Good, HSG B |
| 84 | 98 | Water Surface, 0% imp, HSG B |
| 29,368 | 65 | Brush, Good, HSG C |
| 15,547 | 70 | Woods, Good, HSG C |
| 9,983 | 98 | Water Surface, 0% imp, HSG C |
| 60,968 | 73 | Brush, Good, HSG D |
| 175,984 | 77 | Woods, Good, HSG D |
| 105,918 | 98 | Water Surface, 0% imp, HSG D |
| 592,627 | 66 | Weighted Average |
| 592,627 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|---|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.4 | 230 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 10.0 | 300 | 0.0100 | 0.50 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 3.0 | 200 | 0.0500 | 1.12 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 0.4 | 40 | 0.1000 | 1.58 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 23.9 | 820 | Total | | | |

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Summary for Subcatchment S205: CUL-DE-SAC INFILTRATION POND

Runoff = 1.45 cfs @ 12.10 hrs, Volume= 4,757 cf, Depth> 2.20"

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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 25,952 | 61 | >75% Grass cover, Good, HSG B |
| 25,952 | | 100.00% Pervious Area |

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

Summary for Subcatchment S206: INFILTRATION POND #4

Runoff = 0.09 cfs @ 12.32 hrs, Volume= 782 cf, Depth> 0.53"

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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 17,694 | 39 | >75% Grass cover, Good, HSG A |
| 17,694 | | 100.00% Pervious Area |

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

Summary for Subcatchment S207: INFILTRATION POND #3

Runoff = 0.19 cfs @ 12.17 hrs, Volume= 1,328 cf, Depth> 0.65"

Runoff 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 |
|-----------|----|-------------------------------|
| 23,338 | 39 | >75% Grass cover, Good, HSG A |
| 729 | 98 | Roofs, HSG A |
| 353 | 80 | >75% Grass cover, Good, HSG D |
| 24,420 | 41 | Weighted Average |
| 23,691 | | 97.01% Pervious Area |
| 729 | | 2.99% 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 S208: ISOLATED WETLAND

Runoff = 3.79 cfs @ 12.09 hrs, Volume= 11,961 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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 6,532 | 39 | >75% Grass cover, Good, HSG A |
| 811 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 1,357 | 74 | >75% Grass cover, Good, HSG C |
| 346 | 98 | Water Surface, 0% imp, HSG C |
| 12,548 | 80 | >75% Grass cover, Good, HSG D |
| 10,640 | 77 | Woods, Good, HSG D |
| 6,063 | 98 | Water Surface, 0% imp, HSG D |
| 40,692 | 75 | Weighted Average |
| 40,692 | | 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: EXISTING WETLANDS

Runoff = 17.03 cfs @ 12.30 hrs, Volume= 80,949 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 |
|-----------|----|-------------------------------|
| 42,853 | 48 | Brush, Good, HSG B |
| 16,143 | 55 | Woods, Good, HSG B |
| 64,652 | 74 | >75% Grass cover, Good, HSG C |
| 37,510 | 70 | Woods, Good, HSG C |
| 95,456 | 98 | Water Surface, 0% imp, HSG C |
| 4,352 | 73 | Brush, Good, HSG D |
| 210 | 77 | Woods, Good, HSG D |
| 57 | 98 | Water Surface, 0% imp, HSG D |
| 261,233 | 77 | Weighted Average |
| 261,233 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 10.4 | 50 | 0.0300 | 0.08 | | Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27" |
| 9.9 | 420 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.5 | 80 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 550 | Total | | | |

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment S210: INFILTRATION POND

Runoff = 2.81 cfs @ 12.09 hrs, Volume= 8,880 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 |
|-----------|----|-------------------------------|
| 14,132 | 61 | >75% Grass cover, Good, HSG B |
| 7,748 | 98 | Paved parking, HSG B |
| 9,213 | 74 | >75% Grass cover, Good, HSG C |
| 31,093 | 74 | Weighted Average |
| 23,345 | | 75.08% Pervious Area |
| 7,748 | | 24.92% Impervious Area |

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

Summary for Subcatchment S211: EXISTING WETLANDS

Runoff = 8.15 cfs @ 12.21 hrs, Volume= 33,425 cf, Depth> 3.32"

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 25YR Rainfall=6.29"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 18,256 | 39 | >75% Grass cover, Good, HSG A |
| 11,504 | 30 | Woods, Good, HSG A |
| 3,417 | 98 | Water Surface, 0% imp, HSG A |
| 20,570 | 74 | >75% Grass cover, Good, HSG C |
| 23,109 | 70 | Woods, Good, HSG C |
| 40,658 | 98 | Water Surface, 0% imp, HSG C |
| 2,091 | 80 | >75% Grass cover, Good, HSG D |
| 1,163 | 77 | Woods, Good, HSG D |
| 120,768 | 73 | Weighted Average |
| 120,768 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 2.0 | 20 | 0.1000 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.1 | 30 | 0.0400 | 0.12 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 8.9 | 530 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 15.0 | 580 | Total | | | |

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment S212: SWALE

Runoff = 3.50 cfs @ 12.37 hrs, Volume= 18,084 cf, Depth> 3.41"

Runoff 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 |
|-----------|----|-------------------------------|
| 63,598 | 74 | >75% Grass cover, Good, HSG C |
| 63,598 | | 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" |
| 7.4 | 220 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.7 | 70 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 4.4 | 130 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 26.6 | 470 | Total | | | |

Summary for Subcatchment S213: OFFSITE

Runoff = 5.14 cfs @ 12.25 hrs, Volume= 22,531 cf, Depth> 2.65"

Runoff 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 |
|-----------|----|-----------------------------|
| 8,519 | 48 | Brush, Good, HSG B |
| 467 | 55 | Woods, Good, HSG B |
| 93,140 | 68 | 1 acre lots, 20% imp, HSG B |
| 102,126 | 66 | Weighted Average |
| 83,498 | | 81.76% Pervious Area |
| 18,628 | | 18.24% 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 | 200 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.2 | 20 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 9.6 | 700 | 0.0300 | 1.21 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 17.0 | 985 | Total | | | |

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Type III 24-hr 25YR Rainfall=6.29"

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Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,022 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.59 cfs @ 12.09 hrs, Volume= 2,064 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.80 cfs @ 12.09 hrs, Volume= 2,842 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% 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 TH2: TOWN HOUSE #2

Runoff = 0.58 cfs @ 12.09 hrs, Volume= 2,022 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 |
|-----------|----|-------------------------------|
| 3,844 | 98 | Roofs, HSG B |
| 34 | 98 | Roofs, HSG C |
| 372 | 61 | >75% Grass cover, Good, HSG B |
| 99 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.58 cfs @ 12.09 hrs, Volume= 2,022 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.80 cfs @ 12.09 hrs, Volume= 2,842 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% Impervious Area |

| 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 = 0.47 cfs @ 12.09 hrs, Volume= 1,630 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 |
|-----------|----|-------------------------------|
| 3,030 | 98 | Roofs, HSG C |
| 404 | 74 | >75% Grass cover, Good, HSG C |
| 3,434 | 95 | Weighted Average |
| 404 | | 11.76% Pervious Area |
| 3,030 | | 88.24% 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 = 0.59 cfs @ 12.09 hrs, Volume= 2,064 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 TH7: TOWN HOUSE #7

Runoff = 0.59 cfs @ 12.09 hrs, Volume= 2,064 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.60 cfs @ 12.09 hrs, Volume= 2,192 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 |
|-----------|----|------------------------------|
| 3,605 | 98 | Roofs, HSG C |
| 428 | 98 | Water Surface, 0% imp, HSG C |
| 273 | 98 | Roofs, HSG D |
| 43 | 98 | Water Surface, 0% imp, HSG D |
| 4,349 | 98 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.59 cfs @ 12.09 hrs, Volume= 2,064 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% Impervious Area |

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

Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.78% Impervious, Inflow Depth = 1.67" for 25YR event
 Inflow = 1.09 cfs @ 12.17 hrs, Volume= 1,681 cf
 Outflow = 0.04 cfs @ 13.43 hrs, Volume= 969 cf, Atten= 97%, Lag= 75.7 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= 663.4 min
 Avg. Velocity = 0.03 fps, Avg. Travel Time= 811.4 min

Peak Storage= 1,471 cf @ 13.43 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, 88.13% Impervious, Inflow Depth = 1.78" for 25YR event
 Inflow = 0.24 cfs @ 12.16 hrs, Volume= 363 cf
 Outflow = 0.01 cfs @ 13.59 hrs, Volume= 210 cf, Atten= 97%, Lag= 85.5 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= 321 cf @ 13.59 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

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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'



Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,995 sf, 87.39% Impervious, Inflow Depth = 1.37" for 25YR event
Inflow = 0.51 cfs @ 12.21 hrs, Volume= 800 cf
Outflow = 0.06 cfs @ 12.80 hrs, Volume= 735 cf, Atten= 88%, Lag= 35.9 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= 161.3 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 275.2 min

Peak Storage= 601 cf @ 12.80 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 40.32'
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 = 16,890 sf, 87.66% Impervious, Inflow Depth = 1.56" for 25YR event
Inflow = 1.30 cfs @ 12.17 hrs, Volume= 2,201 cf
Outflow = 1.07 cfs @ 12.27 hrs, Volume= 2,201 cf, Atten= 18%, Lag= 6.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.22 fps, Min. Travel Time= 7.6 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 25.0 min

Peak Storage= 488 cf @ 12.27 hrs
Average Depth at Peak Storage= 0.10' , Surface Width= 50.97'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 54.42 cfs

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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= 100.0' Slope= 0.0800 '/'
Inlet Invert= 198.00', Outlet Invert= 190.00'



Summary for Reach 5R: OVERLAND FLOW

Inflow Area = 4,254 sf, 86.84% Impervious, Inflow Depth = 1.56" for 25YR event
Inflow = 0.37 cfs @ 12.18 hrs, Volume= 554 cf
Outflow = 0.02 cfs @ 13.14 hrs, Volume= 423 cf, Atten= 95%, Lag= 58.1 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= 431.2 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 482.1 min

Peak Storage= 467 cf @ 13.14 hrs
Average Depth at Peak Storage= 0.01' , Surface Width= 50.11'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.40 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= 826.0' Slope= 0.0266 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 6R: OVERLAND FLOW

Inflow Area = 12,118 sf, 88.02% Impervious, Inflow Depth = 1.73" for 25YR event
Inflow = 1.15 cfs @ 12.17 hrs, Volume= 1,751 cf
Outflow = 0.15 cfs @ 12.71 hrs, Volume= 1,628 cf, Atten= 87%, Lag= 32.4 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= 141.6 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 258.3 min

Peak Storage= 1,261 cf @ 12.71 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 50.39'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 34.58 cfs

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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= 650.0' Slope= 0.0323 '/'
Inlet Invert= 207.00', Outlet Invert= 186.00'



Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 9,140 sf, 87.53% Impervious, Inflow Depth = 1.66" for 25YR event
Inflow = 0.83 cfs @ 12.17 hrs, Volume= 1,265 cf
Outflow = 0.13 cfs @ 12.65 hrs, Volume= 1,221 cf, Atten= 84%, Lag= 28.8 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= 109.7 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 204.8 min

Peak Storage= 876 cf @ 12.65 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.35'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 36.50 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= 500.0' Slope= 0.0360 '/'
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 5,074 sf, 88.33% Impervious, Inflow Depth = 1.82" for 25YR event
Inflow = 0.49 cfs @ 12.16 hrs, Volume= 768 cf
Outflow = 0.11 cfs @ 12.58 hrs, Volume= 763 cf, Atten= 78%, Lag= 25.0 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= 75.2 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 134.8 min

Peak Storage= 487 cf @ 12.58 hrs
Average Depth at Peak Storage= 0.03' , Surface Width= 50.29'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 41.67 cfs

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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= 341.0' Slope= 0.0469 '/'
Inlet Invert= 202.00', Outlet Invert= 186.00'



Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 8,728 sf, 86.71% Impervious, Inflow Depth = 0.69" for 25YR event
Inflow = 0.35 cfs @ 12.20 hrs, Volume= 501 cf
Outflow = 0.10 cfs @ 12.54 hrs, Volume= 496 cf, Atten= 71%, Lag= 19.9 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.12 fps, Min. Travel Time= 52.9 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 144.3 min

Peak Storage= 317 cf @ 12.54 hrs
Average Depth at Peak Storage= 0.08' , Surface Width= 10.80'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 8.12 cfs

10.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 380.0' Slope= 0.0316 '/'
Inlet Invert= 198.00', Outlet Invert= 186.00'



Summary for Reach 10R: OVERLAND FLOW

Inflow Area = 12,999 sf, 88.26% Impervious, Inflow Depth = 1.76" for 25YR event
Inflow = 1.23 cfs @ 12.16 hrs, Volume= 1,906 cf
Outflow = 0.85 cfs @ 12.32 hrs, Volume= 1,906 cf, Atten= 31%, Lag= 9.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.31 fps, Min. Travel Time= 10.6 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 50.4 min

Peak Storage= 538 cf @ 12.32 hrs
Average Depth at Peak Storage= 0.24' , Surface Width= 12.40'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 10.77 cfs

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10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 200.0' Slope= 0.0200 '/'
Inlet Invert= 209.00', Outlet Invert= 205.00'



Summary for Reach 11R: OVERLAND FLOW

Inflow Area = 10,588 sf, 86.70% Impervious, Inflow Depth = 1.48" for 25YR event
Inflow = 0.88 cfs @ 12.18 hrs, Volume= 1,306 cf
Outflow = 0.06 cfs @ 13.01 hrs, Volume= 1,047 cf, Atten= 93%, Lag= 49.4 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= 297.2 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 429.1 min

Peak Storage= 1,063 cf @ 13.01 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.23'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.34 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= 920.0' Slope= 0.0283 '/'
Inlet Invert= 212.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 18,000 sf, 89.16% Impervious, Inflow Depth = 2.45" for 25YR event
Inflow = 2.01 cfs @ 12.13 hrs, Volume= 3,681 cf
Outflow = 0.81 cfs @ 12.40 hrs, Volume= 3,661 cf, Atten= 60%, 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= 38.6 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 124.7 min

Peak Storage= 1,878 cf @ 12.40 hrs
Average Depth at Peak Storage= 0.12' , Surface Width= 51.24'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

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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 13R: OVERLAND FLOW

Inflow Area = 8,698 sf, 89.17% Impervious, Inflow Depth = 2.44" for 25YR event
Inflow = 0.97 cfs @ 12.13 hrs, Volume= 1,769 cf
Outflow = 0.11 cfs @ 12.71 hrs, Volume= 1,536 cf, Atten= 89%, Lag= 34.8 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= 204.3 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 344.9 min

Peak Storage= 1,341 cf @ 12.71 hrs
Average Depth at Peak Storage= 0.04' , Surface Width= 50.40'
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 = 137,806 sf, 6.34% Impervious, Inflow Depth > 3.12" for 25YR event
Inflow = 8.37 cfs @ 12.23 hrs, Volume= 35,873 cf
Outflow = 3.77 cfs @ 12.59 hrs, Volume= 34,074 cf, Atten= 55%, Lag= 21.5 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= 51.3 min
Avg. Velocity = 0.11 fps, Avg. Travel Time= 123.4 min

Peak Storage= 11,592 cf @ 12.59 hrs
Average Depth at Peak Storage= 0.28' , Surface Width= 52.82'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.90 cfs

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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= 800.0' Slope= 0.0275 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth = 2.02" for 25YR event
Inflow = 9.45 cfs @ 12.15 hrs, Volume= 17,172 cf
Outflow = 4.36 cfs @ 12.38 hrs, Volume= 17,125 cf, Atten= 54%, Lag= 13.5 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= 20.1 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 75.0 min

Peak Storage= 5,247 cf @ 12.38 hrs
Average Depth at Peak Storage= 0.34' , Surface Width= 53.38'
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: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 2.56" for 25YR event
Inflow = 0.50 cfs @ 12.10 hrs, Volume= 1,613 cf
Outflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 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= 2.51 fps, Min. Travel Time= 0.4 min
Avg. Velocity = 0.95 fps, Avg. Travel Time= 1.1 min

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Peak Storage= 12 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.30' , Surface Width= 0.92'

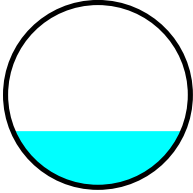
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.53 cfs

12.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 61.4' Slope= 0.0050 '/'

Inlet Invert= 197.00', Outlet Invert= 196.69'



Summary for Reach 17R: SWALE

Inflow Area = 102,126 sf, 18.24% Impervious, Inflow Depth > 2.65" for 25YR event
Inflow = 5.14 cfs @ 12.25 hrs, Volume= 22,531 cf
Outflow = 3.82 cfs @ 12.42 hrs, Volume= 22,129 cf, Atten= 26%, Lag= 10.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.64 fps, Min. Travel Time= 16.6 min

Avg. Velocity = 0.24 fps, Avg. Travel Time= 44.3 min

Peak Storage= 3,811 cf @ 12.42 hrs

Average Depth at Peak Storage= 0.52' , Surface Width= 13.09'

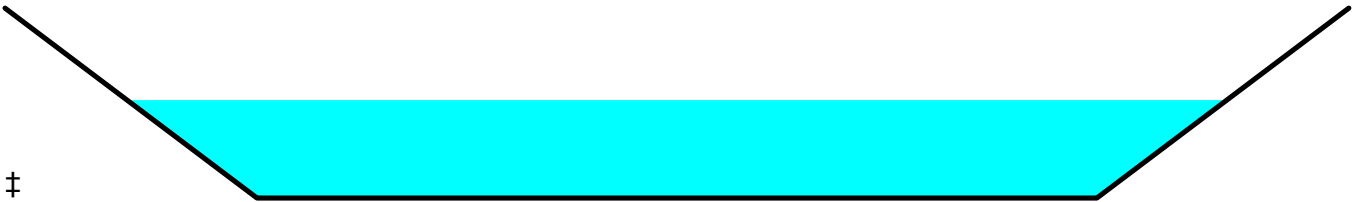
Bank-Full Depth= 1.00' Flow Area= 13.0 sf, Capacity= 12.22 cfs

10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 16.00'

Length= 640.0' Slope= 0.0313 '/'

Inlet Invert= 224.00', Outlet Invert= 204.00'



Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 254,301 sf, 42.05% Impervious, Inflow Depth > 2.06" for 25YR event
Inflow = 8.13 cfs @ 12.47 hrs, Volume= 43,553 cf
Outflow = 8.07 cfs @ 12.53 hrs, Volume= 43,527 cf, Atten= 1%, Lag= 3.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.41 fps, Min. Travel Time= 4.9 min

Avg. Velocity = 0.14 fps, Avg. Travel Time= 14.8 min

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Peak Storage= 2,373 cf @ 12.53 hrs

Average Depth at Peak Storage= 0.37' , Surface Width= 57.37'

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 19R: OVERLAND FLOW

Inflow Area = 120,768 sf, 0.00% Impervious, Inflow Depth > 3.32" for 25YR event

Inflow = 8.15 cfs @ 12.21 hrs, Volume= 33,425 cf

Outflow = 3.97 cfs @ 12.52 hrs, Volume= 32,031 cf, Atten= 51%, Lag= 18.7 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= 42.4 min

Avg. Velocity = 0.08 fps, Avg. Travel Time= 109.1 min

Peak Storage= 10,100 cf @ 12.52 hrs

Average Depth at Peak Storage= 0.39' , Surface Width= 53.89'

Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 19.62 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= 500.0' Slope= 0.0104 '/'

Inlet Invert= 200.00', Outlet Invert= 194.80'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth = 1.88" for 25YR event

Inflow = 2.45 cfs @ 12.32 hrs, Volume= 7,048 cf

Outflow = 1.86 cfs @ 12.55 hrs, Volume= 7,046 cf, Atten= 24%, Lag= 14.1 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= 17.0 min

Avg. Velocity = 0.06 fps, Avg. Travel Time= 63.2 min

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Peak Storage= 1,905 cf @ 12.55 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 51.67'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 38.05 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= 225.0' Slope= 0.0391 ' / '
Inlet Invert= 194.80', Outlet Invert= 186.00'



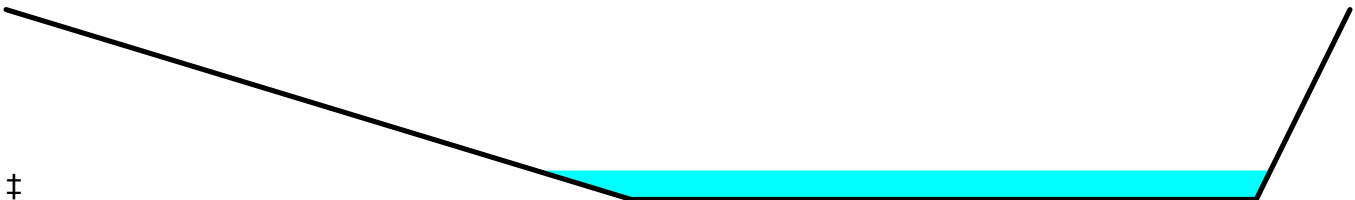
Summary for Reach 21R: OVERLAND FLOW

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 2.56" for 25YR event
Inflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf
Outflow = 0.24 cfs @ 12.31 hrs, Volume= 1,566 cf, Atten= 52%, Lag= 12.6 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= 26.4 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 67.1 min

Peak Storage= 381 cf @ 12.31 hrs
Average Depth at Peak Storage= 0.15' , Surface Width= 23.50'
Bank-Full Depth= 1.00' Flow Area= 31.5 sf, Capacity= 6.85 cfs

20.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 3.0 ' / ' Top Width= 43.00'
Length= 115.0' Slope= 0.0052 ' / '
Inlet Invert= 195.50', Outlet Invert= 194.90'



Summary for Reach 22R: CROSS PIPE

[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 19R OUTLET depth by 0.05' @ 13.55 hrs
[62] Hint: Exceeded Reach 21R OUTLET depth by 0.16' @ 12.70 hrs
[62] Hint: Exceeded Reach R211 OUTLET depth by 0.38' @ 12.45 hrs

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 1.73" for 25YR event
Inflow = 4.19 cfs @ 12.53 hrs, Volume= 42,236 cf
Outflow = 4.19 cfs @ 12.53 hrs, Volume= 42,233 cf, Atten= 0%, Lag= 0.1 min

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 7.04 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 3.57 fps, Avg. Travel Time= 0.2 min

Peak Storage= 21 cf @ 12.53 hrs

Average Depth at Peak Storage= 0.49' , Surface Width= 1.72'

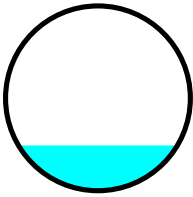
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 31.99 cfs

24.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 35.0' Slope= 0.0200 '/'

Inlet Invert= 194.70', Outlet Invert= 194.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 1.73" for 25YR event

Inflow = 4.19 cfs @ 12.53 hrs, Volume= 42,233 cf

Outflow = 4.15 cfs @ 12.60 hrs, Volume= 42,043 cf, Atten= 1%, Lag= 4.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.57 fps, Min. Travel Time= 5.3 min

Avg. Velocity = 0.25 fps, Avg. Travel Time= 12.2 min

Peak Storage= 1,314 cf @ 12.60 hrs

Average Depth at Peak Storage= 0.45' , Surface Width= 17.68'

Bank-Full Depth= 1.00' Flow Area= 18.0 sf, Capacity= 16.59 cfs

15.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 21.00'

Length= 180.0' Slope= 0.0278 '/'

Inlet Invert= 193.00', Outlet Invert= 188.00'



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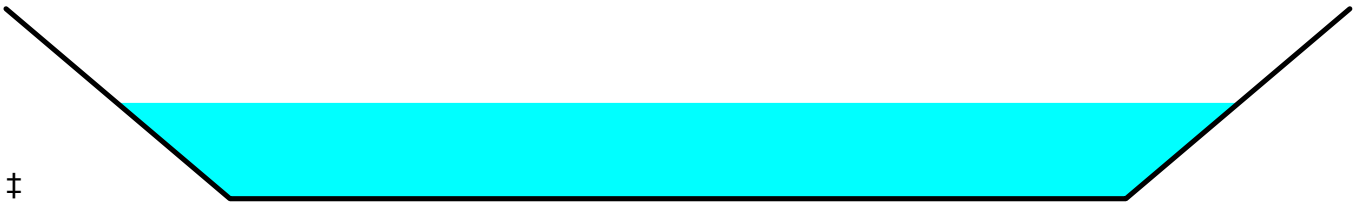
Summary for Reach R202: OVERLAND FLOW

Inflow Area = 370,963 sf, 10.29% Impervious, Inflow Depth > 4.03" for 25YR event
Inflow = 26.11 cfs @ 12.30 hrs, Volume= 124,531 cf
Outflow = 13.31 cfs @ 12.65 hrs, Volume= 119,211 cf, Atten= 49%, Lag= 20.9 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= 49.8 min
Avg. Velocity = 0.09 fps, Avg. Travel Time= 126.6 min

Peak Storage= 39,754 cf @ 12.65 hrs
Average Depth at Peak Storage= 0.50' , Surface Width= 125.22'
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 = 165,235 sf, 47.56% Impervious, Inflow Depth = 0.66" for 25YR event
Inflow = 3.45 cfs @ 12.64 hrs, Volume= 9,104 cf
Outflow = 0.84 cfs @ 13.42 hrs, Volume= 8,638 cf, Atten= 76%, Lag= 47.3 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= 101.4 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 209.3 min

Peak Storage= 5,093 cf @ 13.42 hrs
Average Depth at Peak Storage= 0.17' , Surface Width= 51.67'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 17.03 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= 600.0' Slope= 0.0078 '/'
Inlet Invert= 199.50', Outlet Invert= 194.80'



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Summary for Pond CB1: CB#1

Inflow Area = 10,706 sf, 37.85% Impervious, Inflow Depth > 3.53" for 25YR event
 Inflow = 0.92 cfs @ 12.12 hrs, Volume= 3,145 cf
 Outflow = 0.92 cfs @ 12.12 hrs, Volume= 3,145 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.92 cfs @ 12.12 hrs, Volume= 3,145 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.24' @ 12.11 hrs
 Flood Elev= 209.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.45' | 12.0" Round Culvert L= 21.0' Ke= 0.500 Inlet / Outlet Invert= 206.45' / 206.31' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.90 cfs @ 12.12 hrs HW=207.20' TW=207.07' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 0.90 cfs @ 1.99 fps)

Summary for Pond CB10: CB #10

Inflow Area = 5,492 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.76 cfs @ 12.09 hrs, Volume= 2,768 cf
 Outflow = 0.76 cfs @ 12.09 hrs, Volume= 2,768 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.76 cfs @ 12.09 hrs, Volume= 2,768 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.07' @ 12.09 hrs
 Flood Elev= 212.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.54' | 12.0" Round Culvert L= 33.1' Ke= 0.500 Inlet / Outlet Invert= 209.54' / 209.37' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.74 cfs @ 12.09 hrs HW=210.06' TW=209.46' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.74 cfs @ 2.62 fps)

Summary for Pond CB11: CB #11

Inflow Area = 2,381 sf, 54.01% Impervious, Inflow Depth > 4.79" for 25YR event
 Inflow = 0.29 cfs @ 12.09 hrs, Volume= 951 cf
 Outflow = 0.29 cfs @ 12.09 hrs, Volume= 951 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.29 cfs @ 12.09 hrs, Volume= 951 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.38' @ 12.09 hrs
 Flood Elev= 214.24'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 17.4' Ke= 0.500 |

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Inlet / Outlet Invert= 211.07' / 210.97' S= 0.0057 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.28 cfs @ 12.09 hrs HW=211.38' TW=208.87' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.28 cfs @ 2.05 fps)

Summary for Pond CB12: CB #12

Inflow Area = 2,480 sf, 63.99% Impervious, Inflow Depth > 5.01" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,036 cf
 Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,036 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,036 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.40' @ 12.09 hrs

Flood Elev= 214.25'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 211.07' / 210.98' S= 0.0050 '/' 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=211.40' TW=208.87' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.31 cfs @ 2.04 fps)

Summary for Pond CB13: CB #13

Inflow Area = 6,942 sf, 55.47% Impervious, Inflow Depth > 4.79" for 25YR event
 Inflow = 0.85 cfs @ 12.09 hrs, Volume= 2,772 cf
 Outflow = 0.85 cfs @ 12.09 hrs, Volume= 2,772 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.85 cfs @ 12.09 hrs, Volume= 2,772 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.13' @ 12.09 hrs

Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.55' | 12.0" Round Culvert L= 10.1' Ke= 0.500 Inlet / Outlet Invert= 208.55' / 208.50' S= 0.0050 '/' 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=209.12' TW=207.40' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.83 cfs @ 2.58 fps)

Summary for Pond CB14: CB #14

Inflow Area = 6,999 sf, 66.87% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 0.90 cfs @ 12.09 hrs, Volume= 2,989 cf
 Outflow = 0.90 cfs @ 12.09 hrs, Volume= 2,989 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.90 cfs @ 12.09 hrs, Volume= 2,989 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= 209.15' @ 12.09 hrs

Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.56' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 208.56' / 208.49' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=209.14' TW=207.40' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.87 cfs @ 2.64 fps)**Summary for Pond CB15: CB #15**

Inflow Area = 3,235 sf, 58.73% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,322 cf
 Outflow = 0.40 cfs @ 12.09 hrs, Volume= 1,322 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.40 cfs @ 12.09 hrs, Volume= 1,322 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.61' @ 12.09 hrs

Flood Elev= 211.95'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.23' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.23' / 207.16' S= 0.0050 '/ 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=207.61' TW=207.43' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.39 cfs @ 2.15 fps)**Summary for Pond CB16: CB #16**

Inflow Area = 2,087 sf, 71.87% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 911 cf
 Outflow = 0.27 cfs @ 12.09 hrs, Volume= 911 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.27 cfs @ 12.09 hrs, Volume= 911 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.54' @ 12.09 hrs

Flood Elev= 211.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.19' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.19' / 207.12' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=207.53' TW=207.43' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.26 cfs @ 1.67 fps)

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Summary for Pond CB17: CB #17

Inflow Area = 9,714 sf, 59.89% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 1.21 cfs @ 12.09 hrs, Volume= 3,968 cf
 Outflow = 1.21 cfs @ 12.09 hrs, Volume= 3,968 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.21 cfs @ 12.09 hrs, Volume= 3,968 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.59' @ 12.09 hrs
 Flood Elev= 208.96'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.62' | 12.0" Round Culvert L= 13.6' Ke= 0.500 Inlet / Outlet Invert= 202.62' / 202.52' S= 0.0074 '/' 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=203.54' TW=203.42' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 1.19 cfs @ 2.04 fps)

Summary for Pond CB18: CB #18

Inflow Area = 9,165 sf, 65.72% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 1.17 cfs @ 12.09 hrs, Volume= 3,914 cf
 Outflow = 1.17 cfs @ 12.09 hrs, Volume= 3,914 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.17 cfs @ 12.09 hrs, Volume= 3,914 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.76' @ 12.09 hrs
 Flood Elev= 209.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.07' | 12.0" Round Culvert L= 17.7' Ke= 0.500 Inlet / Outlet Invert= 203.07' / 202.98' S= 0.0051 '/' 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=203.75' TW=203.42' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 1.14 cfs @ 2.86 fps)

Summary for Pond CB19: CB #19

Inflow Area = 6,910 sf, 57.21% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 2,823 cf
 Outflow = 0.86 cfs @ 12.09 hrs, Volume= 2,823 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.86 cfs @ 12.09 hrs, Volume= 2,823 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.17' @ 12.09 hrs
 Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 16.1' Ke= 0.500 |

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Inlet / Outlet Invert= 203.59' / 203.51' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.84 cfs @ 12.09 hrs HW=204.16' TW=202.59' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.84 cfs @ 2.62 fps)

Summary for Pond CB2: CB#2

Inflow Area = 21,674 sf, 80.07% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 2.82 cfs @ 12.09 hrs, Volume= 9,460 cf
Outflow = 2.82 cfs @ 12.09 hrs, Volume= 9,460 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.82 cfs @ 12.09 hrs, Volume= 9,460 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.06' @ 12.09 hrs

Flood Elev= 207.47'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.03' | 15.0" Round Culvert L= 108.6' Ke= 0.500 Inlet / Outlet Invert= 204.03' / 203.49' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.75 cfs @ 12.09 hrs HW=205.04' TW=204.31' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.75 cfs @ 3.55 fps)

Summary for Pond CB20: CB #20

Inflow Area = 8,034 sf, 73.30% Impervious, Inflow Depth > 5.35" for 25YR event
Inflow = 1.06 cfs @ 12.09 hrs, Volume= 3,583 cf
Outflow = 1.06 cfs @ 12.09 hrs, Volume= 3,583 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.09 hrs, Volume= 3,583 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.24' @ 12.09 hrs

Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 203.59' / 203.50' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.03 cfs @ 12.09 hrs HW=204.23' TW=202.58' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.03 cfs @ 2.78 fps)

Summary for Pond CB21: CB #21

Inflow Area = 9,293 sf, 82.86% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 1.21 cfs @ 12.09 hrs, Volume= 4,056 cf
Outflow = 1.21 cfs @ 12.09 hrs, Volume= 4,056 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.21 cfs @ 12.09 hrs, Volume= 4,056 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= 201.36' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.62' | 12.0" Round Culvert L= 19.7' Ke= 0.500 Inlet / Outlet Invert= 200.62' / 200.52' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.18 cfs @ 12.09 hrs HW=201.35' TW=201.11' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.18 cfs @ 2.69 fps)

Summary for Pond CB22: CB #22

Inflow Area = 10,403 sf, 81.23% Impervious, Inflow Depth > 4.79" for 25YR event
Inflow = 1.27 cfs @ 12.09 hrs, Volume= 4,154 cf
Outflow = 1.27 cfs @ 12.09 hrs, Volume= 4,154 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.27 cfs @ 12.09 hrs, Volume= 4,154 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.37' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.61' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 200.61' / 200.52' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.24 cfs @ 12.09 hrs HW=201.35' TW=201.11' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.24 cfs @ 2.76 fps)

Summary for Pond CB23: CB #23

Inflow Area = 19,822 sf, 84.04% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 2.58 cfs @ 12.09 hrs, Volume= 8,652 cf
Outflow = 2.58 cfs @ 12.09 hrs, Volume= 8,652 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.58 cfs @ 12.09 hrs, Volume= 8,652 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.79' @ 12.09 hrs

Flood Elev= 204.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.75' | 12.0" Round Culvert L= 21.9' Ke= 0.500 Inlet / Outlet Invert= 200.75' / 200.53' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.51 cfs @ 12.09 hrs HW=201.77' TW=198.05' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.51 cfs @ 3.88 fps)

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Summary for Pond CB24: CB #24

Inflow Area = 2,226 sf, 99.87% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,122 cf
 Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,122 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,122 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.38' @ 12.09 hrs
 Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.06' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 202.06' / 201.95' S= 0.0056 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=202.38' TW=198.04' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.08 fps)

Summary for Pond CB25: CB #25

Inflow Area = 2,249 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,133 cf
 Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,133 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,133 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= 207.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0074 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=204.63' TW=199.26' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.19 fps)

Summary for Pond CB26: CB #26

Inflow Area = 3,194 sf, 78.40% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.43 cfs @ 12.09 hrs, Volume= 1,485 cf
 Outflow = 0.43 cfs @ 12.09 hrs, Volume= 1,485 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.43 cfs @ 12.09 hrs, Volume= 1,485 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.69' @ 12.09 hrs
 Flood Elev= 207.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 14.9' Ke= 0.500 |

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Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0081 '/' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.42 cfs @ 12.09 hrs HW=204.68' TW=199.26' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.42 cfs @ 2.40 fps)

Summary for Pond CB27: CB #27

Inflow Area = 13,200 sf, 88.54% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 1.79 cfs @ 12.09 hrs, Volume= 6,266 cf
 Outflow = 1.79 cfs @ 12.09 hrs, Volume= 6,266 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.79 cfs @ 12.09 hrs, Volume= 6,266 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.26' @ 12.09 hrs

Flood Elev= 205.53'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.36' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.36' / 202.30' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.74 cfs @ 12.09 hrs HW=203.24' TW=200.60' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.74 cfs @ 3.17 fps)

Summary for Pond CB28: CB #28

Inflow Area = 18,536 sf, 69.19% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 2.44 cfs @ 12.09 hrs, Volume= 8,266 cf
 Outflow = 2.44 cfs @ 12.09 hrs, Volume= 8,266 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.44 cfs @ 12.09 hrs, Volume= 8,266 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= 205.55'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.37' | 12.0" Round Culvert L= 11.6' Ke= 0.500 Inlet / Outlet Invert= 202.37' / 202.31' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.38 cfs @ 12.09 hrs HW=203.46' TW=200.60' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 2.38 cfs @ 3.46 fps)

Summary for Pond CB29: CB #29

Inflow Area = 1,837 sf, 70.93% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 802 cf
 Outflow = 0.24 cfs @ 12.09 hrs, Volume= 802 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.24 cfs @ 12.09 hrs, Volume= 802 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= 203.24' @ 12.09 hrs

Flood Elev= 205.87'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 23.4' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0056 '/ 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=203.24' TW=201.55' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.23 cfs @ 1.96 fps)

Summary for Pond CB3: CB#3

Inflow Area = 10,853 sf, 74.08% Impervious, Inflow Depth > 4.90" for 25YR event
Inflow = 1.35 cfs @ 12.09 hrs, Volume= 4,433 cf
Outflow = 1.35 cfs @ 12.09 hrs, Volume= 4,433 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.35 cfs @ 12.09 hrs, Volume= 4,433 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.70' @ 12.10 hrs

Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 12.0" Round Culvert L= 17.4' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.84' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.35 cfs @ 12.09 hrs HW=209.69' TW=209.42' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.35 cfs @ 2.93 fps)

Summary for Pond CB30: CB #30

Inflow Area = 6,023 sf, 53.63% Impervious, Inflow Depth > 4.79" for 25YR event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,405 cf
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 2,405 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,405 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.46' @ 12.09 hrs

Flood Elev= 206.13'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0087 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=203.45' TW=201.55' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.72 cfs @ 2.76 fps)

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Summary for Pond CB31: CB #31

Inflow Area = 13,352 sf, 89.53% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 1.83 cfs @ 12.09 hrs, Volume= 6,467 cf
 Outflow = 1.83 cfs @ 12.09 hrs, Volume= 6,467 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.83 cfs @ 12.09 hrs, Volume= 6,467 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.72' @ 12.09 hrs
 Flood Elev= 205.01'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.83' | 12.0" Round Culvert L= 39.2' Ke= 0.500 Inlet / Outlet Invert= 201.83' / 201.63' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.78 cfs @ 12.09 hrs HW=202.70' TW=202.26' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 1.78 cfs @ 3.27 fps)

Summary for Pond CB32: CB #32

Inflow Area = 15,647 sf, 68.79% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 2.03 cfs @ 12.09 hrs, Volume= 6,830 cf
 Outflow = 2.03 cfs @ 12.09 hrs, Volume= 6,830 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.03 cfs @ 12.09 hrs, Volume= 6,830 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.95' @ 12.09 hrs
 Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.00' | 12.0" Round Culvert L= 54.5' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.72' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.98 cfs @ 12.09 hrs HW=202.93' TW=202.26' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 1.98 cfs @ 3.39 fps)

Summary for Pond CB33: CB #33

Inflow Area = 10,475 sf, 79.30% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 1.41 cfs @ 12.09 hrs, Volume= 4,871 cf
 Outflow = 1.41 cfs @ 12.09 hrs, Volume= 4,871 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.41 cfs @ 12.09 hrs, Volume= 4,871 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.46' @ 12.09 hrs
 Flood Elev= 207.89'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.78' | 12.0" Round Culvert L= 16.5' Ke= 0.500 |

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Inlet / Outlet Invert= 204.78' / 204.50' S= 0.0170 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.37 cfs @ 12.09 hrs HW=205.45' TW=205.07' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.37 cfs @ 3.47 fps)

Summary for Pond CB34: CB #34

Inflow Area = 7,978 sf, 96.09% Impervious, Inflow Depth > 5.93" for 25YR event
 Inflow = 1.10 cfs @ 12.09 hrs, Volume= 3,942 cf
 Outflow = 1.10 cfs @ 12.09 hrs, Volume= 3,942 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.10 cfs @ 12.09 hrs, Volume= 3,942 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= 207.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.76' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 204.76' / 204.66' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.07 cfs @ 12.09 hrs HW=205.41' TW=205.07' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.07 cfs @ 2.82 fps)

Summary for Pond CB35: CB #35

Inflow Area = 7,168 sf, 73.14% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.95 cfs @ 12.09 hrs, Volume= 3,265 cf
 Outflow = 0.95 cfs @ 12.09 hrs, Volume= 3,265 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.95 cfs @ 12.09 hrs, Volume= 3,265 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.41' @ 12.09 hrs

Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.63' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.63' / 204.55' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.93 cfs @ 12.09 hrs HW=205.39' TW=205.27' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.93 cfs @ 2.01 fps)

Summary for Pond CB36: CB #36

Inflow Area = 5,338 sf, 97.53% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,690 cf
 Outflow = 0.74 cfs @ 12.09 hrs, Volume= 2,690 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,690 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= 205.37' @ 12.09 hrs

Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.64' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.64' / 204.56' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=205.35' TW=205.27' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.72 cfs @ 1.68 fps)**Summary for Pond CB37: CB #37**

Inflow Area = 4,130 sf, 76.71% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.56 cfs @ 12.09 hrs, Volume= 1,921 cf
 Outflow = 0.56 cfs @ 12.09 hrs, Volume= 1,921 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.56 cfs @ 12.09 hrs, Volume= 1,921 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.04' @ 12.09 hrs

Flood Elev= 205.03'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.60' | 12.0" Round Culvert L= 28.7' Ke= 0.500 Inlet / Outlet Invert= 199.60' / 199.45' 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=200.04' TW=197.56' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.54 cfs @ 2.42 fps)**Summary for Pond CB38: CB #38**

Inflow Area = 2,450 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.34 cfs @ 12.09 hrs, Volume= 1,235 cf
 Outflow = 0.34 cfs @ 12.09 hrs, Volume= 1,235 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.34 cfs @ 12.09 hrs, Volume= 1,235 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.89' @ 12.09 hrs

Flood Elev= 205.84'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.55' | 12.0" Round Culvert L= 22.7' Ke= 0.500 Inlet / Outlet Invert= 199.55' / 199.43' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.33 cfs @ 12.09 hrs HW=199.89' TW=197.56' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.33 cfs @ 2.12 fps)

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Summary for Pond CB39: CB #39

Inflow Area = 20,827 sf, 63.79% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 2.71 cfs @ 12.09 hrs, Volume= 9,091 cf
Outflow = 2.71 cfs @ 12.09 hrs, Volume= 9,091 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.71 cfs @ 12.09 hrs, Volume= 9,091 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 197.77' @ 12.09 hrs
Flood Elev= 199.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.60' | 12.0" Round Culvert L= 31.2' Ke= 0.500 Inlet / Outlet Invert= 196.60' / 196.41' S= 0.0061 '/' 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=197.74' TW=196.71' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 2.64 cfs @ 3.68 fps)

Summary for Pond CB4: CB#4

Inflow Area = 21,472 sf, 40.29% Impervious, Inflow Depth > 3.63" for 25YR event
Inflow = 1.78 cfs @ 12.15 hrs, Volume= 6,486 cf
Outflow = 1.78 cfs @ 12.15 hrs, Volume= 6,486 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.78 cfs @ 12.15 hrs, Volume= 6,486 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 209.82' @ 12.15 hrs
Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.94' | 12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 208.94' / 208.85' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.77 cfs @ 12.15 hrs HW=209.82' TW=209.39' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.77 cfs @ 3.22 fps)

Summary for Pond CB40: CB #40

Inflow Area = 4,980 sf, 92.85% Impervious, Inflow Depth > 5.93" for 25YR event
Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,461 cf
Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,461 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,461 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.24' @ 12.09 hrs
Flood Elev= 206.81'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.47' | 12.0" Round Culvert L= 13.4' Ke= 0.500 |

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Inlet / Outlet Invert= 202.47' / 202.40' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=203.21' TW=203.15' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.67 cfs @ 1.48 fps)

Summary for Pond CB41: CB #41

Inflow Area = 5,480 sf, 85.02% Impervious, Inflow Depth > 5.70" for 25YR event
Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,601 cf
Outflow = 0.74 cfs @ 12.09 hrs, Volume= 2,601 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,601 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.24' @ 12.09 hrs

Flood Elev= 206.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.46' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 202.46' / 202.40' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.72 cfs @ 12.09 hrs HW=203.22' TW=203.15' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.72 cfs @ 1.57 fps)

Summary for Pond CB42: CB #42

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 3.03" for 25YR event
Inflow = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf
Outflow = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.87' @ 12.12 hrs

Flood Elev= 203.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 198.77' | 18.0" Round Culvert L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 198.77' / 198.03' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.37 cfs @ 12.12 hrs HW=200.79' TW=199.66' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 7.37 cfs @ 4.17 fps)

Summary for Pond CB43: CB #43

Inflow Area = 5,946 sf, 61.76% Impervious, Inflow Depth > 5.01" for 25YR event
Inflow = 0.75 cfs @ 12.09 hrs, Volume= 2,484 cf
Outflow = 0.75 cfs @ 12.09 hrs, Volume= 2,484 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.75 cfs @ 12.09 hrs, Volume= 2,484 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= 205.57' @ 12.09 hrs

Flood Elev= 207.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.73' | 12.0" Round Culvert L= 21.1' Ke= 0.200 Inlet / Outlet Invert= 204.73' / 204.62' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=205.54' TW=205.49' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.73 cfs @ 1.46 fps)**Summary for Pond CB44: CB #44**

Inflow Area = 6,236 sf, 57.31% Impervious, Inflow Depth > 4.90" for 25YR event
 Inflow = 0.78 cfs @ 12.09 hrs, Volume= 2,547 cf
 Outflow = 0.78 cfs @ 12.09 hrs, Volume= 2,547 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.78 cfs @ 12.09 hrs, Volume= 2,547 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.57' @ 12.09 hrs

Flood Elev= 207.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.70' | 12.0" Round Culvert L= 22.0' Ke= 0.200 Inlet / Outlet Invert= 204.70' / 204.59' 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=205.54' TW=205.49' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.76 cfs @ 1.44 fps)**Summary for Pond CB45: CB #45**

Inflow Area = 4,105 sf, 83.29% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.55 cfs @ 12.09 hrs, Volume= 1,909 cf
 Outflow = 0.55 cfs @ 12.09 hrs, Volume= 1,909 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.55 cfs @ 12.09 hrs, Volume= 1,909 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.90' @ 12.09 hrs

Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.38' | 12.0" Round Culvert L= 11.7' Ke= 0.200 Inlet / Outlet Invert= 206.38' / 206.30' S= 0.0068 '/ 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=206.89' TW=206.79' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.54 cfs @ 1.94 fps)

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Summary for Pond CB46: CB #46

Inflow Area = 6,943 sf, 69.75% Impervious, Inflow Depth > 5.24" for 25YR event
Inflow = 0.90 cfs @ 12.09 hrs, Volume= 3,030 cf
Outflow = 0.90 cfs @ 12.09 hrs, Volume= 3,030 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.90 cfs @ 12.09 hrs, Volume= 3,030 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 207.01' @ 12.09 hrs
Flood Elev= 209.41'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.42' | 12.0" Round Culvert L= 16.5' Ke= 0.200 Inlet / Outlet Invert= 206.42' / 206.30' S= 0.0073 '/ 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=207.00' TW=206.79' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 0.88 cfs @ 2.70 fps)

Summary for Pond CB47: CB #47

Inflow Area = 2,486 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
Inflow = 0.34 cfs @ 12.09 hrs, Volume= 1,253 cf
Outflow = 0.34 cfs @ 12.09 hrs, Volume= 1,253 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.34 cfs @ 12.09 hrs, Volume= 1,253 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.68' @ 12.09 hrs
Flood Elev= 211.45'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 17.9' Ke= 0.200 Inlet / Outlet Invert= 208.34' / 208.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.33 cfs @ 12.09 hrs HW=208.67' TW=208.42' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.33 cfs @ 2.18 fps)

Summary for Pond CB48: CB #48

Inflow Area = 3,544 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
Inflow = 0.49 cfs @ 12.09 hrs, Volume= 1,786 cf
Outflow = 0.49 cfs @ 12.09 hrs, Volume= 1,786 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.49 cfs @ 12.09 hrs, Volume= 1,786 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= 211.46'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 19.5' Ke= 0.200 |

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Inlet / Outlet Invert= 208.34' / 208.24' S= 0.0051 '/' 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=208.74' TW=208.42' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.48 cfs @ 2.41 fps)

Summary for Pond CB49: CB #49

Inflow Area = 1,263 sf, 94.54% Impervious, Inflow Depth > 5.93" for 25YR event
Inflow = 0.17 cfs @ 12.09 hrs, Volume= 624 cf
Outflow = 0.17 cfs @ 12.09 hrs, Volume= 624 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.17 cfs @ 12.09 hrs, Volume= 624 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.68' @ 12.09 hrs

Flood Elev= 213.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 210.48' | 12.0" Round Culvert L= 19.9' Ke= 0.200 Inlet / Outlet Invert= 210.48' / 210.24' S= 0.0121 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=210.68' TW=210.15' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.17 cfs @ 2.30 fps)

Summary for Pond CB5: CB#5

Inflow Area = 1,783 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 899 cf
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 899 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 899 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.45' @ 12.09 hrs

Flood Elev= 215.32'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 212.16' | 12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 212.16' / 212.00' S= 0.0053 '/' 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=212.44' TW=212.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.24 cfs @ 1.97 fps)

Summary for Pond CB50: CB #50

Inflow Area = 1,590 sf, 95.66% Impervious, Inflow Depth > 5.93" for 25YR event
Inflow = 0.22 cfs @ 12.09 hrs, Volume= 786 cf
Outflow = 0.22 cfs @ 12.09 hrs, Volume= 786 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.22 cfs @ 12.09 hrs, Volume= 786 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= 213.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.10' | 12.0" Round Culvert L= 34.1' Ke= 0.200 Inlet / Outlet Invert= 210.10' / 209.92' S= 0.0053 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.21 cfs @ 12.09 hrs HW=210.37' TW=210.15' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.21 cfs @ 1.89 fps)

Summary for Pond CB51: CB #51

Inflow Area = 9,541 sf, 92.31% Impervious, Inflow Depth > 5.70" for 25YR event
Inflow = 1.29 cfs @ 12.09 hrs, Volume= 4,529 cf
Outflow = 1.29 cfs @ 12.09 hrs, Volume= 4,529 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.29 cfs @ 12.09 hrs, Volume= 4,529 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.88' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.4' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0049 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.26 cfs @ 12.09 hrs HW=210.86' TW=210.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.26 cfs @ 2.94 fps)

Summary for Pond CB52: CB #52

Inflow Area = 17,462 sf, 77.87% Impervious, Inflow Depth > 5.13" for 25YR event
Inflow = 2.24 cfs @ 12.09 hrs, Volume= 7,458 cf
Outflow = 2.24 cfs @ 12.09 hrs, Volume= 7,458 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.24 cfs @ 12.09 hrs, Volume= 7,458 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.19' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.2' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.18 cfs @ 12.09 hrs HW=211.17' TW=210.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.18 cfs @ 3.40 fps)

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Summary for Pond CB53: CB #53

Inflow Area = 6,202 sf, 91.87% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.84 cfs @ 12.09 hrs, Volume= 2,944 cf
 Outflow = 0.84 cfs @ 12.09 hrs, Volume= 2,944 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.84 cfs @ 12.09 hrs, Volume= 2,944 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= 217.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.93' | 12.0" Round Culvert L= 24.7' Ke= 0.500 Inlet / Outlet Invert= 213.93' / 213.77' S= 0.0065 '/' 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=214.47' TW=214.18' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 0.83 cfs @ 2.79 fps)

Summary for Pond CB54: CB #54

Inflow Area = 3,756 sf, 91.59% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.51 cfs @ 12.09 hrs, Volume= 1,783 cf
 Outflow = 0.51 cfs @ 12.09 hrs, Volume= 1,783 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.51 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= 214.54' @ 12.09 hrs
 Flood Elev= 217.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.13' | 12.0" Round Culvert L= 38.2' Ke= 0.500 Inlet / Outlet Invert= 214.13' / 213.77' S= 0.0094 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.09 hrs HW=214.53' TW=214.18' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 0.50 cfs @ 2.54 fps)

Summary for Pond CB55: CB #55

Inflow Area = 19,318 sf, 48.01% Impervious, Inflow Depth > 3.94" for 25YR event
 Inflow = 1.95 cfs @ 12.10 hrs, Volume= 6,336 cf
 Outflow = 1.95 cfs @ 12.10 hrs, Volume= 6,336 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.95 cfs @ 12.10 hrs, Volume= 6,336 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 218.39' @ 12.10 hrs
 Flood Elev= 220.65'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 217.48' | 12.0" Round Culvert L= 73.1' Ke= 0.500 |

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Inlet / Outlet Invert= 217.48' / 217.10' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.94 cfs @ 12.10 hrs HW=218.39' TW=217.69' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.94 cfs @ 3.41 fps)

Summary for Pond CB56: CB #56

Inflow Area = 5,029 sf, 79.82% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.65 cfs @ 12.09 hrs, Volume= 2,195 cf
 Outflow = 0.65 cfs @ 12.09 hrs, Volume= 2,195 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.65 cfs @ 12.09 hrs, Volume= 2,195 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.64' @ 12.09 hrs

Flood Elev= 223.34'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 220.16' | 12.0" Round Culvert L= 26.6' Ke= 0.500 Inlet / Outlet Invert= 220.16' / 220.00' S= 0.0060 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.64 cfs @ 12.09 hrs HW=220.63' TW=220.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.64 cfs @ 2.58 fps)

Summary for Pond CB57: CB #57

Inflow Area = 2,370 sf, 84.43% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,057 cf
 Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,057 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,057 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.47' @ 12.09 hrs

Flood Elev= 223.37'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 220.19' | 12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 220.19' / 220.01' S= 0.0149 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.30 cfs @ 12.09 hrs HW=220.47' TW=220.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.30 cfs @ 2.56 fps)

Summary for Pond CB58: CB #58

Inflow Area = 1,348 sf, 83.01% Impervious, Inflow Depth > 5.35" for 25YR event
 Inflow = 0.18 cfs @ 12.09 hrs, Volume= 601 cf
 Outflow = 0.18 cfs @ 12.09 hrs, Volume= 601 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.18 cfs @ 12.09 hrs, Volume= 601 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= 224.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.53' | 12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0055 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.17 cfs @ 12.09 hrs HW=221.79' TW=221.67' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.17 cfs @ 1.63 fps)

Summary for Pond CB59: CB #59

Inflow Area = 1,607 sf, 85.75% Impervious, Inflow Depth > 5.47" for 25YR event
Inflow = 0.21 cfs @ 12.09 hrs, Volume= 732 cf
Outflow = 0.21 cfs @ 12.09 hrs, Volume= 732 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.21 cfs @ 12.09 hrs, Volume= 732 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 222.22' @ 12.09 hrs

Flood Elev= 225.16'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.99' | 12.0" Round Culvert L= 37.1' Ke= 0.500 Inlet / Outlet Invert= 221.99' / 221.51' S= 0.0129 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.21 cfs @ 12.09 hrs HW=222.21' TW=221.67' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.21 cfs @ 1.60 fps)

Summary for Pond CB6: CB#6

Inflow Area = 3,766 sf, 59.48% Impervious, Inflow Depth > 4.57" for 25YR event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 1,435 cf
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 1,435 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 1,435 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.09' @ 12.09 hrs

Flood Elev= 215.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 212.76' | 12.0" Round Culvert L= 32.2' Ke= 0.500 Inlet / Outlet Invert= 212.76' / 212.27' S= 0.0152 '/ 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=213.09' TW=212.20' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.43 cfs @ 1.95 fps)

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Summary for Pond CB60: CB #60

Inflow Area = 3,327 sf, 100.00% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,677 cf
 Outflow = 0.46 cfs @ 12.09 hrs, Volume= 1,677 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.46 cfs @ 12.09 hrs, Volume= 1,677 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.45' @ 12.09 hrs
 Flood Elev= 205.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.04' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.04' / 201.98' S= 0.0052 '/' 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=202.44' TW=201.84' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.45 cfs @ 2.23 fps)

Summary for Pond CB61: CB #61

Inflow Area = 6,407 sf, 84.94% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.87 cfs @ 12.09 hrs, Volume= 3,041 cf
 Outflow = 0.87 cfs @ 12.09 hrs, Volume= 3,041 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.87 cfs @ 12.09 hrs, Volume= 3,041 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.53' @ 12.09 hrs
 Flood Elev= 204.97'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.05' | 12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 202.05' / 201.68' S= 0.0270 '/' 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=202.52' TW=201.84' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 0.85 cfs @ 2.33 fps)

Summary for Pond CB62: CB#62

Inflow Area = 5,714 sf, 64.82% Impervious, Inflow Depth > 4.57" for 25YR event
 Inflow = 0.67 cfs @ 12.09 hrs, Volume= 2,178 cf
 Outflow = 0.67 cfs @ 12.09 hrs, Volume= 2,178 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.67 cfs @ 12.09 hrs, Volume= 2,178 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.16' @ 12.11 hrs
 Flood Elev= 209.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.20' | 12.0" Round Culvert L= 21.0' Ke= 0.500 |

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Inlet / Outlet Invert= 206.20' / 206.09' S= 0.0052 '/ Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=207.12' TW=207.07' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.67 cfs @ 1.17 fps)

Summary for Pond CB7: CB#7

Inflow Area = 7,403 sf, 94.92% Impervious, Inflow Depth > 5.81" for 25YR event
Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,586 cf
Outflow = 1.01 cfs @ 12.09 hrs, Volume= 3,586 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.09 hrs, Volume= 3,586 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 214.88' @ 12.09 hrs

Flood Elev= 217.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.25' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 214.17' S= 0.0053 '/ 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=214.87' TW=214.53' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.99 cfs @ 2.75 fps)

Summary for Pond CB8: CB#8

Inflow Area = 12,849 sf, 70.13% Impervious, Inflow Depth > 4.79" for 25YR event
Inflow = 1.40 cfs @ 12.14 hrs, Volume= 5,127 cf
Outflow = 1.40 cfs @ 12.14 hrs, Volume= 5,127 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.40 cfs @ 12.14 hrs, Volume= 5,127 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.22' @ 12.14 hrs

Flood Elev= 217.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 214.45' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 214.45' / 214.39' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.37 cfs @ 12.14 hrs HW=215.21' TW=214.53' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.37 cfs @ 2.96 fps)

Summary for Pond CB9: CB #9

Inflow Area = 7,062 sf, 54.59% Impervious, Inflow Depth > 4.79" for 25YR event
Inflow = 0.86 cfs @ 12.09 hrs, Volume= 2,820 cf
Outflow = 0.86 cfs @ 12.09 hrs, Volume= 2,820 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.86 cfs @ 12.09 hrs, Volume= 2,820 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= 210.30' @ 12.09 hrs

Flood Elev= 212.91'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.72' | 12.0" Round Culvert L= 15.8' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.64' S= 0.0051 '/' 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=210.29' TW=209.46' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.84 cfs @ 2.63 fps)

Summary for Pond D1: DMH#1

Inflow Area = 96,220 sf, 64.29% Impervious, Inflow Depth > 4.58" for 25YR event
Inflow = 10.32 cfs @ 12.10 hrs, Volume= 36,750 cf
Outflow = 10.32 cfs @ 12.10 hrs, Volume= 36,750 cf, Atten= 0%, Lag= 0.0 min
Primary = 10.32 cfs @ 12.10 hrs, Volume= 36,750 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.35' @ 12.10 hrs

Flood Elev= 208.64'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.64' | 24.0" Round Culvert L= 86.9' Ke= 0.500 Inlet / Outlet Invert= 202.64' / 202.19' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=10.25 cfs @ 12.10 hrs HW=204.34' TW=197.11' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 10.25 cfs @ 4.84 fps)

Summary for Pond D10: DMH #10

Inflow Area = 24,201 sf, 62.98% Impervious, Inflow Depth > 5.02" for 25YR event
Inflow = 3.06 cfs @ 12.09 hrs, Volume= 10,115 cf
Outflow = 3.06 cfs @ 12.09 hrs, Volume= 10,115 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.06 cfs @ 12.09 hrs, Volume= 10,115 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.47' @ 12.09 hrs

Flood Elev= 209.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.17' | 15.0" Round Culvert L= 240.0' Ke= 0.500 Inlet / Outlet Invert= 202.17' / 200.97' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.01 cfs @ 12.09 hrs HW=203.42' TW=202.59' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.01 cfs @ 3.04 fps)

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Summary for Pond D11: DMH #11

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 5.06" for 25YR event
Inflow = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf
Outflow = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.69' @ 12.10 hrs
Flood Elev= 206.82'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.87' | 15.0" Round Culvert L= 221.7' Ke= 0.500 Inlet / Outlet Invert= 200.87' / 199.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=4.79 cfs @ 12.09 hrs HW=202.59' TW=200.72' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 4.79 cfs @ 3.90 fps)

Summary for Pond D12: DMH #12

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 5.06" for 25YR event
Inflow = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf
Outflow = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.97 cfs @ 12.09 hrs, Volume= 16,520 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 200.74' @ 12.09 hrs
Flood Elev= 204.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.41' | 18.0" Round Culvert L= 30.2' Ke= 0.500 Inlet / Outlet Invert= 199.41' / 199.26' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.85 cfs @ 12.09 hrs HW=200.72' TW=196.35' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 4.85 cfs @ 3.96 fps)

Summary for Pond D13: DMH #13

Inflow Area = 19,696 sf, 82.00% Impervious, Inflow Depth > 5.00" for 25YR event
Inflow = 2.48 cfs @ 12.09 hrs, Volume= 8,210 cf
Outflow = 2.48 cfs @ 12.09 hrs, Volume= 8,210 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.48 cfs @ 12.09 hrs, Volume= 8,210 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 201.13' @ 12.09 hrs
Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.17' | 15.0" Round Culvert L= 26.4' Ke= 0.500 |

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Inlet / Outlet Invert= 200.17' / 200.04' S= 0.0049 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.42 cfs @ 12.09 hrs HW=201.11' TW=196.35' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.42 cfs @ 3.38 fps)

Summary for Pond D14: DMH #14

Inflow Area = 18,453 sf, 86.56% Impervious, Inflow Depth > 5.73" for 25YR event
 Inflow = 2.51 cfs @ 12.09 hrs, Volume= 8,814 cf
 Outflow = 2.51 cfs @ 12.09 hrs, Volume= 8,814 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.51 cfs @ 12.09 hrs, Volume= 8,814 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.09' @ 12.09 hrs

Flood Elev= 208.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.15' | 15.0" Round Culvert L= 139.7' Ke= 0.500 Inlet / Outlet Invert= 204.15' / 203.45' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.44 cfs @ 12.09 hrs HW=205.07' TW=204.22' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.44 cfs @ 3.50 fps)

Summary for Pond D15: DMH #15

Inflow Area = 30,959 sf, 85.35% Impervious, Inflow Depth > 5.72" for 25YR event
 Inflow = 4.20 cfs @ 12.09 hrs, Volume= 14,768 cf
 Outflow = 4.20 cfs @ 12.09 hrs, Volume= 14,768 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.20 cfs @ 12.09 hrs, Volume= 14,768 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.24' @ 12.09 hrs

Flood Elev= 209.35'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.10' | 18.0" Round Culvert L= 161.8' Ke= 0.500 Inlet / Outlet Invert= 203.10' / 202.29' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.09 cfs @ 12.09 hrs HW=204.22' TW=203.15' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 4.09 cfs @ 4.04 fps)

Summary for Pond D16: DMH #16

Inflow Area = 12,506 sf, 83.55% Impervious, Inflow Depth > 5.71" for 25YR event
 Inflow = 1.69 cfs @ 12.09 hrs, Volume= 5,955 cf
 Outflow = 1.69 cfs @ 12.09 hrs, Volume= 5,955 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.69 cfs @ 12.09 hrs, Volume= 5,955 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= 205.28' @ 12.09 hrs

Flood Elev= 208.43'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.46' | 12.0" Round Culvert L= 110.6' Ke= 0.500 Inlet / Outlet Invert= 204.46' / 203.90' S= 0.0051 '/' 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=205.27' TW=204.22' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 1.65 cfs @ 3.30 fps)**Summary for Pond D17: DMH #17**

Inflow Area = 41,419 sf, 86.20% Impervious, Inflow Depth > 5.75" for 25YR event
 Inflow = 5.63 cfs @ 12.09 hrs, Volume= 19,831 cf
 Outflow = 5.63 cfs @ 12.09 hrs, Volume= 19,831 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.63 cfs @ 12.09 hrs, Volume= 19,831 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.18' @ 12.09 hrs

Flood Elev= 206.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 201.80' | 18.0" Round Culvert L= 129.0' Ke= 0.500 Inlet / Outlet Invert= 201.80' / 201.15' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.48 cfs @ 12.09 hrs HW=203.15' TW=201.84' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 5.48 cfs @ 4.32 fps)**Summary for Pond D18: DMH #18**

Inflow Area = 51,153 sf, 86.94% Impervious, Inflow Depth > 5.76" for 25YR event
 Inflow = 6.96 cfs @ 12.09 hrs, Volume= 24,549 cf
 Outflow = 6.96 cfs @ 12.09 hrs, Volume= 24,549 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.96 cfs @ 12.09 hrs, Volume= 24,549 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.86' @ 12.09 hrs

Flood Elev= 205.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.55' | 24.0" Round Culvert L= 150.4' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 199.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=6.77 cfs @ 12.09 hrs HW=201.84' TW=198.04' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 6.77 cfs @ 4.49 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 152,351 sf, 81.62% Impervious, Inflow Depth > 5.43" for 25YR event
 Inflow = 19.99 cfs @ 12.09 hrs, Volume= 68,964 cf
 Outflow = 19.99 cfs @ 12.09 hrs, Volume= 68,964 cf, Atten= 0%, Lag= 0.0 min
 Primary = 19.99 cfs @ 12.09 hrs, Volume= 68,964 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 198.11' @ 12.09 hrs
 Flood Elev= 205.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 195.10' | 24.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 195.10' / 195.00' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=19.49 cfs @ 12.09 hrs HW=198.05' TW=193.61' (Dynamic Tailwater)
 ↑1=Culvert (Barrel Controls 19.49 cfs @ 6.20 fps)

Summary for Pond D2: DMH#2

Inflow Area = 74,546 sf, 59.71% Impervious, Inflow Depth > 4.39" for 25YR event
 Inflow = 7.55 cfs @ 12.11 hrs, Volume= 27,290 cf
 Outflow = 7.55 cfs @ 12.11 hrs, Volume= 27,290 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.55 cfs @ 12.11 hrs, Volume= 27,290 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.13' @ 12.11 hrs
 Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 205.59' | 18.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 205.59' / 204.46' S= 0.0146 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.41 cfs @ 12.11 hrs HW=207.10' TW=204.33' (Dynamic Tailwater)
 ↑1=Culvert (Inlet Controls 7.41 cfs @ 4.20 fps)

Summary for Pond D20: DMH #20

Inflow Area = 6,580 sf, 85.38% Impervious, Inflow Depth > 5.75" for 25YR event
 Inflow = 0.89 cfs @ 12.09 hrs, Volume= 3,155 cf
 Outflow = 0.89 cfs @ 12.09 hrs, Volume= 3,155 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.89 cfs @ 12.09 hrs, Volume= 3,155 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 197.57' @ 12.09 hrs
 Flood Elev= 204.77'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.02' | 12.0" Round Culvert L= 131.9' Ke= 0.500 |

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Inlet / Outlet Invert= 197.02' / 195.90' S= 0.0085 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.87 cfs @ 12.09 hrs HW=197.56' TW=196.71' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.87 cfs @ 2.91 fps)

Summary for Pond D21: DMH #21

Inflow Area = 27,407 sf, 68.98% Impervious, Inflow Depth > 5.36" for 25YR event
Inflow = 3.60 cfs @ 12.09 hrs, Volume= 12,246 cf
Outflow = 3.60 cfs @ 12.09 hrs, Volume= 12,246 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.60 cfs @ 12.09 hrs, Volume= 12,246 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.73' @ 12.09 hrs

Flood Elev= 198.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 195.55' | 15.0" Round Culvert L= 75.6' Ke= 0.500 Inlet / Outlet Invert= 195.55' / 195.17' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.51 cfs @ 12.09 hrs HW=196.71' TW=195.45' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 3.51 cfs @ 3.85 fps)

Summary for Pond D22: DMH #22

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 2.56" for 25YR event
Inflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf
Outflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.45' @ 12.10 hrs

Flood Elev= 206.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.02' | 12.0" Round Culvert L= 11.1' Ke= 0.500 Inlet / Outlet Invert= 196.02' / 195.96' S= 0.0054 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.10 hrs HW=196.45' TW=195.61' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.50 cfs @ 2.30 fps)

Summary for Pond D23: DMH #23

Inflow Area = 79,150 sf, 77.06% Impervious, Inflow Depth > 5.25" for 25YR event
Inflow = 10.15 cfs @ 12.09 hrs, Volume= 34,641 cf
Outflow = 10.15 cfs @ 12.09 hrs, Volume= 34,641 cf, Atten= 0%, Lag= 0.0 min
Primary = 10.15 cfs @ 12.09 hrs, Volume= 34,641 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= 199.30' @ 12.09 hrs

Flood Elev= 207.57'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.50' | 24.0" Round Culvert L= 231.7' Ke= 0.500 Inlet / Outlet Invert= 197.50' / 196.34' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=9.91 cfs @ 12.09 hrs HW=199.26' TW=198.05' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 9.91 cfs @ 4.50 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 73,707 sf, 76.30% Impervious, Inflow Depth > 5.21" for 25YR event
 Inflow = 9.41 cfs @ 12.09 hrs, Volume= 32,023 cf
 Outflow = 9.41 cfs @ 12.09 hrs, Volume= 32,023 cf, Atten= 0%, Lag= 0.0 min
 Primary = 9.41 cfs @ 12.09 hrs, Volume= 32,023 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.63' @ 12.09 hrs

Flood Elev= 205.75'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 198.95' | 24.0" Round Culvert L= 261.4' Ke= 0.500 Inlet / Outlet Invert= 198.95' / 197.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=9.18 cfs @ 12.09 hrs HW=200.60' TW=199.26' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 9.18 cfs @ 4.49 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 41,971 sf, 75.59% Impervious, Inflow Depth > 5.00" for 25YR event
 Inflow = 5.18 cfs @ 12.09 hrs, Volume= 17,491 cf
 Outflow = 5.18 cfs @ 12.09 hrs, Volume= 17,491 cf, Atten= 0%, Lag= 0.0 min
 Primary = 5.18 cfs @ 12.09 hrs, Volume= 17,491 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.58' @ 12.09 hrs

Flood Elev= 205.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.25' | 18.0" Round Culvert L= 139.0' Ke= 0.500 Inlet / Outlet Invert= 200.25' / 199.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.01 cfs @ 12.09 hrs HW=201.55' TW=200.60' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 5.01 cfs @ 4.12 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 34,111 sf, 79.72% Impervious, Inflow Depth > 5.03" for 25YR event
Inflow = 4.20 cfs @ 12.09 hrs, Volume= 14,284 cf
Outflow = 4.20 cfs @ 12.09 hrs, Volume= 14,284 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.20 cfs @ 12.09 hrs, Volume= 14,284 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.28' @ 12.09 hrs
Flood Elev= 205.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.03' | 18.0" Round Culvert L= 130.0' Ke= 0.500 Inlet / Outlet Invert= 201.03' / 200.35' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.09 cfs @ 12.09 hrs HW=202.26' TW=201.55' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 4.09 cfs @ 3.59 fps)

Summary for Pond D27: DMH #27

Inflow Area = 32,113 sf, 75.52% Impervious, Inflow Depth > 5.39" for 25YR event
Inflow = 4.21 cfs @ 12.09 hrs, Volume= 14,420 cf
Outflow = 4.21 cfs @ 12.09 hrs, Volume= 14,420 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.21 cfs @ 12.09 hrs, Volume= 14,420 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.51' @ 12.09 hrs
Flood Elev= 208.27'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.24' | 15.0" Round Culvert L= 101.4' Ke= 0.200 Inlet / Outlet Invert= 204.24' / 203.73' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=4.10 cfs @ 12.09 hrs HW=205.48' TW=201.55' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 4.10 cfs @ 4.17 fps)

Summary for Pond D28: DMH #28

Inflow Area = 19,931 sf, 85.33% Impervious, Inflow Depth > 5.65" for 25YR event
Inflow = 2.68 cfs @ 12.09 hrs, Volume= 9,388 cf
Outflow = 2.68 cfs @ 12.09 hrs, Volume= 9,388 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.68 cfs @ 12.09 hrs, Volume= 9,388 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.81' @ 12.09 hrs
Flood Elev= 209.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 205.98' | 15.0" Round Culvert L= 134.2' Ke= 0.200 |

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Inlet / Outlet Invert= 205.98' / 204.84' S= 0.0085 '/ Cc= 0.900
n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=2.61 cfs @ 12.09 hrs HW=206.79' TW=205.48' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.61 cfs @ 4.38 fps)

Summary for Pond D29: DMH #29

Inflow Area = 8,883 sf, 98.45% Impervious, Inflow Depth > 6.01" for 25YR event
Inflow = 1.23 cfs @ 12.09 hrs, Volume= 4,449 cf
Outflow = 1.23 cfs @ 12.09 hrs, Volume= 4,449 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.23 cfs @ 12.09 hrs, Volume= 4,449 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.43' @ 12.09 hrs

Flood Elev= 211.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 207.89' | 15.0" Round Culvert L= 194.7' Ke= 0.200 Inlet / Outlet Invert= 207.89' / 206.08' S= 0.0093 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.19 cfs @ 12.09 hrs HW=208.42' TW=206.79' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.19 cfs @ 3.56 fps)

Summary for Pond D3: DMH#3

Inflow Area = 58,126 sf, 63.23% Impervious, Inflow Depth > 4.54" for 25YR event
Inflow = 5.98 cfs @ 12.11 hrs, Volume= 21,967 cf
Outflow = 5.98 cfs @ 12.11 hrs, Volume= 21,967 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.98 cfs @ 12.11 hrs, Volume= 21,967 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.46' @ 12.11 hrs

Flood Elev= 212.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.21' | 18.0" Round Culvert L= 162.6' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 205.69' S= 0.0155 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.87 cfs @ 12.11 hrs HW=209.44' TW=207.10' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 5.87 cfs @ 3.78 fps)

Summary for Pond D30: DMH #30

Inflow Area = 2,853 sf, 95.16% Impervious, Inflow Depth > 5.93" for 25YR event
Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,410 cf
Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,410 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.09 hrs, Volume= 1,410 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= 210.15' @ 12.09 hrs

Flood Elev= 213.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 209.82' | 12.0" Round Culvert L= 210.6' Ke= 0.200 Inlet / Outlet Invert= 209.82' / 208.37' S= 0.0069 '/' 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=210.15' TW=208.42' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.38 cfs @ 2.56 fps)**Summary for Pond D31: DMH #31**

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 4.98" for 25YR event
 Inflow = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf
 Outflow = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.45' @ 12.09 hrs

Flood Elev= 213.21'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 24.0" Round Culvert L= 172.9' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.07' 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=210.43' TW=209.40' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 8.00 cfs @ 4.39 fps)**Summary for Pond D32: DMH #32**

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 4.98" for 25YR event
 Inflow = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf
 Outflow = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf, Atten= 0%, Lag= 0.0 min
 Primary = 8.18 cfs @ 12.09 hrs, Volume= 27,634 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.42' @ 12.09 hrs

Flood Elev= 213.72'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.97' | 24.0" Round Culvert L= 145.3' Ke= 0.500 Inlet / Outlet Invert= 207.97' / 207.24' 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=209.40' TW=205.31' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 8.00 cfs @ 4.67 fps)

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Summary for Pond D33: DMH #33

Inflow Area = 39,630 sf, 67.94% Impervious, Inflow Depth > 4.74" for 25YR event
 Inflow = 4.65 cfs @ 12.09 hrs, Volume= 15,648 cf
 Outflow = 4.65 cfs @ 12.09 hrs, Volume= 15,648 cf, Atten= 0%, Lag= 0.0 min
 Primary = 4.65 cfs @ 12.09 hrs, Volume= 15,648 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.20' @ 12.09 hrs
 Flood Elev= 216.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.14' | 18.0" Round Culvert L= 239.6' Ke= 0.500 Inlet / Outlet Invert= 213.14' / 209.53' S= 0.0151 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.57 cfs @ 12.09 hrs HW=214.18' TW=210.44' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 4.57 cfs @ 3.48 fps)

Summary for Pond D34: DMH #34

Inflow Area = 29,672 sf, 59.94% Impervious, Inflow Depth > 4.42" for 25YR event
 Inflow = 3.30 cfs @ 12.10 hrs, Volume= 10,921 cf
 Outflow = 3.30 cfs @ 12.10 hrs, Volume= 10,921 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.30 cfs @ 12.10 hrs, Volume= 10,921 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.70' @ 12.10 hrs
 Flood Elev= 220.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 216.75' | 15.0" Round Culvert L= 197.2' Ke= 0.500 Inlet / Outlet Invert= 216.75' / 213.49' S= 0.0165 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.27 cfs @ 12.10 hrs HW=217.69' TW=214.19' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 3.27 cfs @ 3.30 fps)

Summary for Pond D35: DMH #35

Inflow Area = 10,354 sf, 82.21% Impervious, Inflow Depth > 5.31" for 25YR event
 Inflow = 1.36 cfs @ 12.09 hrs, Volume= 4,585 cf
 Outflow = 1.36 cfs @ 12.09 hrs, Volume= 4,585 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.36 cfs @ 12.09 hrs, Volume= 4,585 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.21' @ 12.09 hrs
 Flood Elev= 223.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 219.65' | 15.0" Round Culvert L= 119.8' Ke= 0.500 |

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Inlet / Outlet Invert= 219.65' / 217.45' S= 0.0184 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.32 cfs @ 12.09 hrs HW=220.20' TW=217.68' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.32 cfs @ 2.53 fps)

Summary for Pond D36: DMH #36

Inflow Area = 2,955 sf, 84.50% Impervious, Inflow Depth > 5.41" for 25YR event
Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,333 cf
Outflow = 0.39 cfs @ 12.09 hrs, Volume= 1,333 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.39 cfs @ 12.09 hrs, Volume= 1,333 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= 224.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.35' | 12.0" Round Culvert L= 183.7' Ke= 0.500 Inlet / Outlet Invert= 221.35' / 220.01' S= 0.0073 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.38 cfs @ 12.09 hrs HW=221.67' TW=220.20' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.38 cfs @ 2.59 fps)

Summary for Pond D37: DMH #37

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 3.03" for 25YR event
Inflow = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf
Outflow = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.59 cfs @ 12.12 hrs, Volume= 22,000 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.71' @ 12.12 hrs

Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.93' | 18.0" Round Culvert L= 91.7' Ke= 0.500 Inlet / Outlet Invert= 197.93' / 197.47' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.37 cfs @ 12.12 hrs HW=199.66' TW=198.45' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 7.37 cfs @ 4.53 fps)

Summary for Pond D38: DMH #38

Inflow Area = 105,070 sf, 53.12% Impervious, Inflow Depth > 2.67" for 25YR event
Inflow = 8.36 cfs @ 12.14 hrs, Volume= 23,382 cf
Outflow = 8.36 cfs @ 12.14 hrs, Volume= 23,382 cf, Atten= 0%, Lag= 0.0 min
Primary = 8.36 cfs @ 12.14 hrs, Volume= 23,382 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= 198.48' @ 12.14 hrs

Flood Elev= 207.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 196.98' | 24.0" Round Culvert L= 96.5' Ke= 0.500 Inlet / Outlet Invert= 196.98' / 196.50' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=8.25 cfs @ 12.14 hrs HW=198.47' TW=0.00' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 8.25 cfs @ 4.59 fps)

Summary for Pond D39: DMH #39

[62] Hint: Exceeded Reach 16R OUTLET depth by 0.01' @ 12.10 hrs

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 2.56" for 25YR event
Inflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf
Outflow = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.10 hrs, Volume= 1,612 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.01' @ 12.10 hrs

Flood Elev= 201.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 196.59' | 12.0" Round Culvert L= 94.6' Ke= 0.500 Inlet / Outlet Invert= 196.59' / 196.12' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.10 hrs HW=197.01' TW=196.45' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.50 cfs @ 2.40 fps)

Summary for Pond D4: DMH#4

Inflow Area = 25,801 sf, 77.75% Impervious, Inflow Depth > 5.14" for 25YR event
Inflow = 3.02 cfs @ 12.10 hrs, Volume= 11,047 cf
Outflow = 3.02 cfs @ 12.10 hrs, Volume= 11,047 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.02 cfs @ 12.10 hrs, Volume= 11,047 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.22' @ 12.10 hrs

Flood Elev= 215.44'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.40' | 18.0" Round Culvert L= 207.6' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 208.37' S= 0.0146 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.99 cfs @ 12.10 hrs HW=212.21' TW=209.45' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 2.99 cfs @ 3.07 fps)

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Summary for Pond D5: DMH#5

Inflow Area = 20,252 sf, 79.19% Impervious, Inflow Depth > 5.16" for 25YR event
 Inflow = 2.34 cfs @ 12.11 hrs, Volume= 8,713 cf
 Outflow = 2.34 cfs @ 12.11 hrs, Volume= 8,713 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.34 cfs @ 12.11 hrs, Volume= 8,713 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.55' @ 12.11 hrs
 Flood Elev= 217.56'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.79' | 15.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 213.79' / 212.00' S= 0.0137 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=2.30 cfs @ 12.11 hrs HW=214.55' TW=212.21' (Dynamic Tailwater)
 ↑1=Culvert (Inlet Controls 2.30 cfs @ 2.96 fps)

Summary for Pond D6: DMH #6

Inflow Area = 12,554 sf, 74.45% Impervious, Inflow Depth > 5.34" for 25YR event
 Inflow = 1.62 cfs @ 12.09 hrs, Volume= 5,588 cf
 Outflow = 1.62 cfs @ 12.09 hrs, Volume= 5,588 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.62 cfs @ 12.09 hrs, Volume= 5,588 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.48' @ 12.09 hrs
 Flood Elev= 213.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.77' | 18.0" Round Culvert L= 118.1' Ke= 0.500 Inlet / Outlet Invert= 208.77' / 208.18' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=1.58 cfs @ 12.09 hrs HW=209.46' TW=208.87' (Dynamic Tailwater)
 ↑1=Culvert (Outlet Controls 1.58 cfs @ 2.90 fps)

Summary for Pond D7: DMH #7

Inflow Area = 17,415 sf, 70.17% Impervious, Inflow Depth > 5.22" for 25YR event
 Inflow = 2.23 cfs @ 12.09 hrs, Volume= 7,575 cf
 Outflow = 2.23 cfs @ 12.09 hrs, Volume= 7,575 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.23 cfs @ 12.09 hrs, Volume= 7,575 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.88' @ 12.09 hrs
 Flood Elev= 214.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.08' | 18.0" Round Culvert L= 302.5' Ke= 0.500 |

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Inlet / Outlet Invert= 208.08' / 206.57' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=2.17 cfs @ 12.09 hrs HW=208.87' TW=207.40' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 2.17 cfs @ 3.35 fps)

Summary for Pond D8: DMH #8

Inflow Area = 31,356 sf, 66.18% Impervious, Inflow Depth > 5.10" for 25YR event
Inflow = 3.97 cfs @ 12.09 hrs, Volume= 13,336 cf
Outflow = 3.97 cfs @ 12.09 hrs, Volume= 13,336 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.97 cfs @ 12.09 hrs, Volume= 13,336 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.42' @ 12.09 hrs

Flood Elev= 213.05'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.33' | 18.0" Round Culvert L= 91.3' Ke= 0.500 Inlet / Outlet Invert= 206.33' / 205.83' S= 0.0055 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=3.87 cfs @ 12.09 hrs HW=207.40' TW=201.55' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 3.87 cfs @ 4.01 fps)

Summary for Pond D9: DMH #9

Inflow Area = 5,322 sf, 63.89% Impervious, Inflow Depth > 5.03" for 25YR event
Inflow = 0.67 cfs @ 12.09 hrs, Volume= 2,232 cf
Outflow = 0.67 cfs @ 12.09 hrs, Volume= 2,232 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.67 cfs @ 12.09 hrs, Volume= 2,232 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.43' @ 12.09 hrs

Flood Elev= 212.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.02' | 12.0" Round Culvert L= 277.2' Ke= 0.500 Inlet / Outlet Invert= 207.02' / 202.80' S= 0.0152 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.66 cfs @ 12.09 hrs HW=207.43' TW=203.42' (Dynamic Tailwater)

↑1=Culvert (Inlet Controls 0.66 cfs @ 2.18 fps)

Summary for Pond DE1: DRIP #1

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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= 873 cf
Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 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= 224.16' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.6 min calculated for 1,274 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | | |
|------------------|-------------------|---------------|--|------------------------|--|
| #1 | 221.99' | 390 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 | 322 | 0.0 | 0 | 0 | |
| 222.00 | 322 | 40.0 | 1 | 1 | |
| 224.99 | 322 | 40.0 | 385 | 386 | |
| 225.00 | 322 | 100.0 | 3 | 390 | |

| 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=222.02' (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 @ 2.84 fps)

Summary for Pond DE10: DRIP #10

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.42' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | | |
|--------|---------|---------------|--|--|--|
| #1 | 211.29' | 351 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 211.29 | 290 | 0.0 | 0 | 0 |
| 211.30 | 290 | 40.0 | 1 | 1 |
| 214.29 | 290 | 40.0 | 347 | 348 |
| 214.30 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=213.40' TW=201.86' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)

Summary for Pond DE11: DRIP #11

| | |
|---------------|--|
| 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 = | 0.28 cfs @ 12.17 hrs, Volume= 1,301 cf, Atten= 26%, Lag= 4.8 min |
| Discarded = | 0.02 cfs @ 10.55 hrs, Volume= 889 cf |
| Primary = | 0.26 cfs @ 12.17 hrs, Volume= 412 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.77' @ 12.17 hrs Surf.Area= 322 sf Storage= 281 cf

Plug-Flow detention time= 60.9 min calculated for 1,298 cf (100% of inflow)

Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 210.59' | 390 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 | 322 | 0.0 | 0 | 0 |
| 210.60 | 322 | 40.0 | 1 | 1 |
| 213.59 | 322 | 40.0 | 385 | 386 |
| 213.60 | 322 | 100.0 | 3 | 390 |

| 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 |

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Inlet / Outlet Invert= 212.10' / 212.05' S= 0.0050 '/ 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 @ 10.55 hrs HW=210.62' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=212.76' TW=201.87' (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 = 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 = 0.28 cfs @ 12.17 hrs, Volume= 1,301 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 889 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 412 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.07' @ 12.17 hrs Surf.Area= 322 sf Storage= 281 cf

Plug-Flow detention time= 60.9 min calculated for 1,298 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 209.89' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 209.89 | 322 | 0.0 | 0 |
| 209.90 | 322 | 40.0 | 1 |
| 212.89 | 322 | 40.0 | 385 |
| 212.90 | 322 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=209.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=212.06' TW=201.87' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)

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Summary for Pond DE13: DRIP #13

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,107 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,107 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 751 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 357 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.11' @ 12.16 hrs Surf.Area= 270 sf Storage= 229 cf

Plug-Flow detention time= 60.3 min calculated for 1,105 cf (100% of inflow)
 Center-of-Mass det. time= 60.0 min (822.1 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 209.00 | 270 | 40.0 | 1 | 1 |
| 211.99 | 270 | 40.0 | 323 | 324 |
| 212.00 | 270 | 100.0 | 3 | 327 |

| 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 @ 10.55 hrs HW=209.03' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=211.10' TW=201.83' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.68 fps)

Summary for Pond DE14: DRIP #14

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.27 cfs @ 12.09 hrs, Volume= 935 cf
 Outflow = 0.19 cfs @ 12.17 hrs, Volume= 935 cf, Atten= 29%, Lag= 5.1 min
 Discarded = 0.01 cfs @ 10.50 hrs, Volume= 690 cf
 Primary = 0.17 cfs @ 12.17 hrs, Volume= 245 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.37' @ 12.17 hrs Surf.Area= 268 sf Storage= 212 cf

Plug-Flow detention time= 62.7 min calculated for 935 cf (100% of inflow)

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Center-of-Mass det. time= 62.6 min (824.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 208.39' | 324 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 | 268 | 0.0 | 0 | 0 |
| 208.40 | 268 | 40.0 | 1 | 1 |
| 211.39 | 268 | 40.0 | 321 | 322 |
| 211.40 | 268 | 100.0 | 3 | 324 |

| 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=0.01 cfs @ 10.50 hrs HW=208.40' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)**Primary OutFlow** Max=0.17 cfs @ 12.17 hrs HW=210.35' TW=201.90' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.17 cfs @ 1.94 fps)**Summary for Pond DE15: DRIP #15**

| | |
|---------------|--|
| Inflow Area = | 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event |
| Inflow = | 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf |
| Outflow = | 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min |
| Discarded = | 0.02 cfs @ 10.20 hrs, Volume= 797 cf |
| Primary = | 0.24 cfs @ 12.16 hrs, Volume= 363 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.92' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)

Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| 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 |

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| 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 @ 10.20 hrs HW=207.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=209.90' TW=201.86' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)

Summary for Pond DE16: DRIP #16

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= 208.97' @ 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 | 207.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.09 | 290 | 0.0 | 0 | 0 |
| 207.10 | 290 | 40.0 | 1 | 1 |
| 210.09 | 290 | 40.0 | 347 | 348 |
| 210.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.00' | 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 | 208.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.60' / 208.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.09' | 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=207.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.20 hrs HW=208.97' TW=202.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)

Summary for Pond DE17: DRIP #17

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.22' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 290 | 0.0 | 0 | 0 |
| 206.10 | 290 | 40.0 | 1 | 1 |
| 209.09 | 290 | 40.0 | 347 | 348 |
| 209.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=206.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=208.20' TW=201.86' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)

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Summary for Pond DE18: DRIP #18

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= 207.27' @ 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 | 205.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| | | | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 205.39 | 290 | 0.0 | 0 | 0 |
| 205.40 | 290 | 40.0 | 1 | 1 |
| 208.39 | 290 | 40.0 | 347 | 348 |
| 208.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 208.30' | 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 | 206.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.90' / 206.85' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 205.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.80 hrs HW=205.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.15 cfs @ 12.20 hrs HW=207.27' TW=202.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)

Summary for Pond DE19: DRIP #19

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.52' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)

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Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 | 0 |
| 204.40 | 290 | 40.0 | 1 | 1 |
| 207.39 | 290 | 40.0 | 347 | 348 |
| 207.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=204.40' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=206.50' TW=198.02' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)**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 = | 0.15 cfs @ 12.21 hrs, Volume= 856 cf, Atten= 40%, Lag= 7.5 min |
| Discarded = | 0.02 cfs @ 10.95 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= 223.65' @ 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 | 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 |

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| 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 | 223.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.30' / 223.25' 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=0.13 cfs @ 12.21 hrs HW=223.64' TW=218.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.13 cfs @ 1.85 fps)

Summary for Pond DE20: DRIP #20

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.19 cfs @ 12.22 hrs, Volume= 1,160 cf, Atten= 44%, Lag= 8.1 min
 Discarded = 0.06 cfs @ 11.75 hrs, Volume= 1,039 cf
 Primary = 0.13 cfs @ 12.22 hrs, Volume= 122 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.54' @ 12.22 hrs Surf.Area= 290 sf Storage= 214 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 15.2 min (777.3 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 203.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.06 cfs @ 11.75 hrs HW=203.75' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.12 cfs @ 12.22 hrs HW=205.52' TW=198.04' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.12 cfs @ 1.81 fps)**Summary for Pond DE21: DRIP #21**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

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 = 0.08 cfs @ 12.41 hrs, Volume= 893 cf, Atten= 69%, Lag= 19.3 min
 Discarded = 0.06 cfs @ 11.80 hrs, Volume= 876 cf
 Primary = 0.02 cfs @ 12.41 hrs, Volume= 17 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.63' @ 12.41 hrs Surf.Area= 290 sf Storage= 190 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 16.0 min (782.8 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 202.99' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.99 | 290 | 0.0 | 0 | 0 |
| 203.00 | 290 | 40.0 | 1 | 1 |
| 205.99 | 290 | 40.0 | 347 | 348 |
| 206.00 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 204.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.80 hrs HW=203.04' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.06 cfs)**Primary OutFlow** Max=0.02 cfs @ 12.41 hrs HW=204.62' TW=198.07' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.02 cfs @ 1.15 fps)

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Summary for Pond DE22: DRIP #22

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=3)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.01" for 25YR event
 Inflow = 0.24 cfs @ 12.09 hrs, Volume= 803 cf
 Outflow = 0.06 cfs @ 12.49 hrs, Volume= 803 cf, Atten= 77%, Lag= 24.2 min
 Discarded = 0.06 cfs @ 11.85 hrs, Volume= 803 cf
 Primary = 0.00 cfs @ 12.49 hrs, Volume= 0 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.12' @ 12.49 hrs Surf.Area= 290 sf Storage= 177 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 16.2 min (802.3 - 786.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 202.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.59 | 290 | 0.0 | 0 | 0 |
| 202.60 | 290 | 40.0 | 1 | 1 |
| 205.59 | 290 | 40.0 | 347 | 348 |
| 205.60 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.50' | 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 | 204.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.10' / 204.05' S= 0.0050 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.59' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.85 hrs HW=202.65' (Free Discharge)

↳**3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.00 cfs @ 12.49 hrs HW=204.12' TW=198.08' (Dynamic Tailwater)

↳**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳**2=Culvert** (Barrel Controls 0.00 cfs @ 0.36 fps)

Summary for Pond DE23: DRIP #23

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.13" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 841 cf
 Outflow = 0.09 cfs @ 12.36 hrs, Volume= 841 cf, Atten= 63%, Lag= 16.1 min
 Discarded = 0.05 cfs @ 11.75 hrs, Volume= 808 cf
 Primary = 0.04 cfs @ 12.36 hrs, Volume= 34 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= 204.56' @ 12.36 hrs Surf.Area= 268 sf Storage= 179 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 16.5 min (799.3 - 782.7)

| Volume | Invert | Avail.Storage | Storage Description | | |
|------------------|-------------------|---------------|--|------------------------|--|
| #1 | 202.89' | 324 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) | |
| 202.89 | 268 | 0.0 | 0 | 0 | |
| 202.90 | 268 | 40.0 | 1 | 1 | |
| 205.89 | 268 | 40.0 | 321 | 322 | |
| 205.90 | 268 | 100.0 | 3 | 324 | |

| Device | Routing | Invert | Outlet Devices | | | | |
|--------|-----------|---------|---|--|--|--|--|
| #1 | Primary | 205.80' | 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 | 204.40' | 4.0" Round Culvert L= 10.0' Ke= 0.200 | | | | |
| | | | Inlet / Outlet Invert= 204.40' / 204.35' S= 0.0050 '/ Cc= 0.900 | | | | |
| | | | n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf | | | | |
| #3 | Discarded | 202.89' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' | | | | |

Discarded OutFlow Max=0.05 cfs @ 11.75 hrs HW=202.91' (Free Discharge)
 ↖**3=Exfiltration** (Exfiltration Controls 0.05 cfs)

Primary OutFlow Max=0.04 cfs @ 12.36 hrs HW=204.56' TW=196.76' (Dynamic Tailwater)
 ↖**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↖**2=Culvert** (Barrel Controls 0.04 cfs @ 1.39 fps)

Summary for Pond DE24: DRIP #24

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,196 cf
 Outflow = 0.12 cfs @ 12.38 hrs, Volume= 1,197 cf, Atten= 67%, Lag= 17.6 min
 Discarded = 0.06 cfs @ 11.75 hrs, Volume= 1,147 cf
 Primary = 0.06 cfs @ 12.38 hrs, Volume= 51 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.90' @ 12.38 hrs Surf.Area= 322 sf Storage= 285 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 23.2 min (802.3 - 779.1)

| Volume | Invert | Avail.Storage | Storage Description | | |
|--------|---------|---------------|--|--|--|
| #1 | 202.69' | 390 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 202.69 | 322 | 0.0 | 0 | 0 |
| 202.70 | 322 | 40.0 | 1 | 1 |
| 205.69 | 322 | 40.0 | 385 | 386 |
| 205.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.60' | 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 | 204.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 204.65' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.75 hrs HW=202.74' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.06 cfs @ 12.38 hrs HW=204.90' TW=198.09' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.06 cfs @ 1.47 fps)

Summary for Pond DE25: DRIP #25

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,066 cf
 Outflow = 0.23 cfs @ 12.17 hrs, Volume= 1,066 cf, Atten= 27%, Lag= 4.9 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 744 cf
 Primary = 0.22 cfs @ 12.17 hrs, Volume= 323 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.76' @ 12.17 hrs Surf.Area= 290 sf Storage= 240 cf

Plug-Flow detention time= 64.4 min calculated for 1,064 cf (100% of inflow)
 Center-of-Mass det. time= 64.1 min (843.3 - 779.1)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 1' Cc= 0.900
 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
 #3 Discarded 203.69' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=203.72' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.21 cfs @ 12.17 hrs HW=205.74' TW=198.08' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.21 cfs @ 2.41 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.25 cfs @ 12.09 hrs, Volume= 838 cf
 Outflow = 0.15 cfs @ 12.22 hrs, Volume= 838 cf, Atten= 41%, Lag= 7.8 min
 Discarded = 0.02 cfs @ 11.05 hrs, Volume= 662 cf
 Primary = 0.13 cfs @ 12.22 hrs, Volume= 176 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.24' @ 12.22 hrs Surf.Area= 290 sf Storage= 214 cf

Plug-Flow detention time= 68.7 min calculated for 838 cf (100% of inflow)
 Center-of-Mass det. time= 68.6 min (847.7 - 779.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 |
| 204.40 | 290 | 40.0 | 1 |
| 207.39 | 290 | 40.0 | 347 |
| 207.40 | 290 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 11.05 hrs HW=204.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.12 cfs @ 12.22 hrs HW=206.23' TW=198.09' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.12 cfs @ 1.82 fps)

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Summary for Pond DE27: DRIP #27

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.24" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 860 cf
 Outflow = 0.22 cfs @ 12.14 hrs, Volume= 860 cf, Atten= 16%, Lag= 3.4 min
 Discarded = 0.01 cfs @ 11.10 hrs, Volume= 537 cf
 Primary = 0.20 cfs @ 12.14 hrs, Volume= 323 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.12' @ 12.14 hrs Surf.Area= 268 sf Storage= 110 cf

Plug-Flow detention time= 19.1 min calculated for 858 cf (100% of inflow)
 Center-of-Mass det. time= 19.0 min (798.1 - 779.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 217 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 268 | 0.0 | 0 | 0 |
| 206.10 | 268 | 40.0 | 1 | 1 |
| 208.09 | 268 | 40.0 | 213 | 214 |
| 208.10 | 268 | 100.0 | 3 | 217 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.00' | 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 | 206.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.10 hrs HW=206.11' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.20 cfs @ 12.14 hrs HW=207.11' TW=198.07' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 2.28 fps)

Summary for Pond DE28: DRIP #28

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,328 cf
 Outflow = 0.28 cfs @ 12.16 hrs, Volume= 1,327 cf, Atten= 25%, Lag= 4.7 min
 Discarded = 0.02 cfs @ 10.50 hrs, Volume= 907 cf
 Primary = 0.26 cfs @ 12.16 hrs, Volume= 421 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.28' @ 12.16 hrs Surf.Area= 322 sf Storage= 282 cf

Plug-Flow detention time= 59.9 min calculated for 1,327 cf (100% of inflow)

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Center-of-Mass det. time= 59.8 min (816.5 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 322 | 0.0 | 0 | 0 |
| 206.10 | 322 | 40.0 | 1 | 1 |
| 209.09 | 322 | 40.0 | 385 | 386 |
| 209.10 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.50 hrs HW=206.12' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.26 cfs @ 12.16 hrs HW=208.27' TW=198.08' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.26 cfs @ 2.95 fps)

Summary for Pond DE29: DRIP #29

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,130 cf
 Outflow = 0.27 cfs @ 12.14 hrs, Volume= 1,130 cf, Atten= 17%, Lag= 3.4 min
 Discarded = 0.02 cfs @ 10.45 hrs, Volume= 701 cf
 Primary = 0.25 cfs @ 12.14 hrs, Volume= 429 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.15' @ 12.14 hrs Surf.Area= 270 sf Storage= 169 cf

Plug-Flow detention time= 33.0 min calculated for 1,128 cf (100% of inflow)
 Center-of-Mass det. time= 32.8 min (789.6 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.59' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.59 | 270 | 0.0 | 0 | 0 |
| 206.60 | 270 | 40.0 | 1 | 1 |
| 209.59 | 270 | 40.0 | 323 | 324 |
| 209.60 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.50' | 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 | 207.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.45 hrs HW=206.62' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.14 hrs HW=208.15' TW=198.07' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.86 fps)

Summary for Pond DE3: DRIP #3

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 737 cf
 Primary = 0.23 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= 222.10' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)

Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 219.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 219.99 | 270 | 0.0 | 0 | 0 |
| 220.00 | 270 | 40.0 | 1 | 1 |
| 222.99 | 270 | 40.0 | 323 | 324 |
| 223.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 222.90' | 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 | 221.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 221.50' / 221.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 219.99' | 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=220.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=222.09' TW=218.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE30: DRIP #30

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,328 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,327 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.50 hrs, Volume= 849 cf
 Primary = 0.28 cfs @ 12.15 hrs, Volume= 479 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.98' @ 12.15 hrs Surf.Area= 322 sf Storage= 231 cf

Plug-Flow detention time= 39.5 min calculated for 1,327 cf (100% of inflow)
 Center-of-Mass det. time= 39.4 min (796.1 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.19 | 322 | 0.0 | 0 | 0 |
| 207.20 | 322 | 40.0 | 1 | 1 |
| 210.19 | 322 | 40.0 | 385 | 386 |
| 210.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.10' | 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 | 208.25' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.25' / 208.20' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.50 hrs HW=207.22' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=208.98' TW=198.08' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.16 fps)

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Summary for Pond DE31: DRIP #31

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 = 0.28 cfs @ 12.17 hrs, Volume= 1,301 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 889 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 412 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.67' @ 12.17 hrs Surf.Area= 322 sf Storage= 281 cf

Plug-Flow detention time= 60.9 min calculated for 1,298 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | | |
|------------------|-------------------|---------------|--|------------------------|--|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 | |
| 207.50 | 322 | 40.0 | 1 | 1 | |
| 210.49 | 322 | 40.0 | 385 | 386 | |
| 210.50 | 322 | 100.0 | 3 | 390 | |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=209.66' TW=202.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)

Summary for Pond DE32: DRIP #32

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,107 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,107 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 751 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 357 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.61' @ 12.16 hrs Surf.Area= 270 sf Storage= 229 cf

Plug-Flow detention time= 60.3 min calculated for 1,105 cf (100% of inflow)

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Center-of-Mass det. time= 60.0 min (822.1 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.49' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.49 | 270 | 0.0 | 0 | 0 |
| 208.50 | 270 | 40.0 | 1 | 1 |
| 211.49 | 270 | 40.0 | 323 | 324 |
| 211.50 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 211.40' | 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 | 210.00' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.00' / 209.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=208.53' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=210.60' TW=202.01' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.68 fps)

Summary for Pond DE33: DRIP #33

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.42' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.29 | 290 | 0.0 | 0 | 0 |
| 209.30 | 290 | 40.0 | 1 | 1 |
| 212.29 | 290 | 40.0 | 347 | 348 |
| 212.30 | 290 | 100.0 | 3 | 351 |

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| 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 @ 10.20 hrs HW=209.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=211.40' TW=204.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)

Summary for Pond DE34: DRIP #34

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.42' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.29 | 290 | 0.0 | 0 | 0 |
| 210.30 | 290 | 40.0 | 1 | 1 |
| 213.29 | 290 | 40.0 | 347 | 348 |
| 213.30 | 290 | 100.0 | 3 | 351 |

| 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' |

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Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=210.30' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=212.40' TW=204.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)**Summary for Pond DE35: DRIP #35**

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,107 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,107 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.15 hrs, Volume= 751 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 357 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.01' @ 12.16 hrs Surf.Area= 270 sf Storage= 229 cf

Plug-Flow detention time= 60.2 min calculated for 1,107 cf (100% of inflow)

Center-of-Mass det. time= 60.0 min (822.1 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.15 hrs HW=210.90' (Free Discharge)↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=213.00' TW=204.01' (Dynamic Tailwater)↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↑**2=Culvert** (Barrel Controls 0.23 cfs @ 2.68 fps)

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Summary for Pond DE36: DRIP #36

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 = 0.28 cfs @ 12.17 hrs, Volume= 1,301 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 889 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 412 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.87' @ 12.17 hrs Surf.Area= 322 sf Storage= 281 cf

Plug-Flow detention time= 60.9 min calculated for 1,298 cf (100% of inflow)
 Center-of-Mass det. time= 60.6 min (822.7 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.69' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| | | | | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.69 | 322 | 0.0 | 0 | 0 |
| 211.70 | 322 | 40.0 | 1 | 1 |
| 214.69 | 322 | 40.0 | 385 | 386 |
| 214.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.60' | 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 | 213.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.20' / 213.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=211.72' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=213.86' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)

Summary for Pond DE37: DRIP #37

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 = 0.28 cfs @ 12.17 hrs, Volume= 1,301 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.20 hrs, Volume= 889 cf
 Primary = 0.26 cfs @ 12.17 hrs, Volume= 412 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= 322 sf Storage= 281 cf

Plug-Flow detention time= 60.9 min calculated for 1,298 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' | 390 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 | 322 | 0.0 | 0 | 0 |
| 211.90 | 322 | 40.0 | 1 | 1 |
| 214.89 | 322 | 40.0 | 385 | 386 |
| 214.90 | 322 | 100.0 | 3 | 390 |

| 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=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.90 fps)

Summary for Pond DE38: DRIP #39

| | |
|---------------|--|
| Inflow Area = | 2,333 sf, 88.43% Impervious, Inflow Depth > 5.70" for 25YR event |
| Inflow = | 0.32 cfs @ 12.09 hrs, Volume= 1,107 cf |
| Outflow = | 0.25 cfs @ 12.16 hrs, Volume= 1,107 cf, Atten= 21%, Lag= 4.1 min |
| Discarded = | 0.02 cfs @ 10.55 hrs, Volume= 751 cf |
| Primary = | 0.24 cfs @ 12.16 hrs, Volume= 357 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= 270 sf Storage= 229 cf

Plug-Flow detention time= 60.3 min calculated for 1,105 cf (100% of inflow)

Center-of-Mass det. time= 60.0 min (822.1 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.50 | 270 | 40.0 | 1 | 1 |
| 214.49 | 270 | 40.0 | 323 | 324 |
| 214.50 | 270 | 100.0 | 3 | 327 |

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| 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' |

Discarded OutFlow Max=0.02 cfs @ 10.55 hrs HW=211.53' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=213.60' TW=208.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.68 fps)

Summary for Pond DE39: DRIP #39

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' |

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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=208.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.89 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,741 sf, 88.22% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 27%, Lag= 4.9 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 874 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 400 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 220.15' @ 12.17 hrs Surf.Area= 323 sf Storage= 280 cf

Plug-Flow detention time= 61.8 min calculated for 1,272 cf (100% of inflow)
 Center-of-Mass det. time= 61.6 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 217.99' | 391 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 323 | 0.0 | 0 | 0 |
| 218.00 | 323 | 40.0 | 1 | 1 |
| 220.99 | 323 | 40.0 | 386 | 388 |
| 221.00 | 323 | 100.0 | 3 | 391 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=220.14' TW=218.01' (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 DE40: DRIP #40

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 897 cf
 Outflow = 0.19 cfs @ 12.17 hrs, Volume= 897 cf, Atten= 28%, Lag= 5.2 min
 Discarded = 0.01 cfs @ 11.05 hrs, Volume= 666 cf
 Primary = 0.17 cfs @ 12.17 hrs, Volume= 231 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.13' @ 12.17 hrs Surf.Area= 268 sf Storage= 208 cf

Plug-Flow detention time= 64.6 min calculated for 897 cf (100% of inflow)
 Center-of-Mass det. time= 64.5 min (835.7 - 771.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 212.19' | 324 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 | 268 | 0.0 | 0 | 0 |
| 212.20 | 268 | 40.0 | 1 | 1 |
| 215.19 | 268 | 40.0 | 321 | 322 |
| 215.20 | 268 | 100.0 | 3 | 324 |

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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=0.01 cfs @ 11.05 hrs HW=212.22' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.17 cfs @ 12.17 hrs HW=214.11' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.17 cfs @ 1.95 fps)

Summary for Pond DE41: DRIP #41

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.25 hrs, Volume= 737 cf
 Primary = 0.23 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= 213.00' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)

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Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=210.90' (Free Discharge)↳**3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=212.99' TW=207.01' (Dynamic Tailwater)↳**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳**2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)**Summary for Pond DE42: DRIP #42**

| | |
|---------------|--|
| Inflow Area = | 2,333 sf, 88.43% 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= 4.2 min |
| Discarded = | 0.02 cfs @ 10.25 hrs, Volume= 737 cf |
| Primary = | 0.23 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= 212.00' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)

Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 209.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.89 | 270 | 0.0 | 0 | 0 |
| 209.90 | 270 | 40.0 | 1 | 1 |
| 212.89 | 270 | 40.0 | 323 | 324 |
| 212.90 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=209.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=211.99' TW=207.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE43: DRIP #43

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 @ 10.95 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= 209.25' @ 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 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 10.95 hrs HW=207.40' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.13 cfs @ 12.21 hrs HW=209.24' TW=204.02' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.13 cfs @ 1.85 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 897 cf
 Outflow = 0.19 cfs @ 12.17 hrs, Volume= 897 cf, Atten= 28%, Lag= 5.2 min
 Discarded = 0.01 cfs @ 11.05 hrs, Volume= 666 cf
 Primary = 0.17 cfs @ 12.17 hrs, Volume= 231 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.93' @ 12.17 hrs Surf.Area= 268 sf Storage= 208 cf

Plug-Flow detention time= 64.6 min calculated for 897 cf (100% of inflow)
Center-of-Mass det. time= 64.5 min (835.7 - 771.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 207.00 | 268 | 40.0 | 1 | 1 |
| 209.99 | 268 | 40.0 | 321 | 322 |
| 210.00 | 268 | 100.0 | 3 | 324 |

| 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 | 208.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 11.05 hrs HW=207.02' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.17 cfs @ 12.17 hrs HW=208.91' TW=197.45' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.17 cfs @ 1.95 fps)

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Summary for Pond DE45: DRIP #45

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,136 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,136 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 10.30 hrs, Volume= 782 cf
 Primary = 0.23 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= 209.50' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.7 min calculated for 1,133 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.30 hrs HW=207.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=209.49' TW=197.41' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE46: DRIP #46

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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= 873 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.66' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.6 min calculated for 1,274 cf (100% of inflow)

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Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=209.64' TW=197.43' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)

Summary for Pond DE47: DRIP #47

| | |
|---------------|--|
| Inflow Area = | 2,333 sf, 88.43% 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= 4.2 min |
| Discarded = | 0.02 cfs @ 10.60 hrs, Volume= 737 cf |
| Primary = | 0.23 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= 209.60' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)

Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 207.50 | 270 | 40.0 | 1 | 1 |
| 210.49 | 270 | 40.0 | 323 | 324 |
| 210.50 | 270 | 100.0 | 3 | 327 |

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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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=209.59' TW=197.39' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE48: DRIP #48

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,136 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,136 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 782 cf
 Primary = 0.23 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= 210.70' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.7 min calculated for 1,133 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 208.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 208.59 | 290 | 0.0 | 0 0 |
| 208.60 | 290 | 40.0 | 1 1 |
| 211.59 | 290 | 40.0 | 347 348 |
| 211.60 | 290 | 100.0 | 3 351 |

| 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 | 210.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 210.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.59' | 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=208.62' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=210.69' TW=197.41' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE49: DRIP #49

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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= 873 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.36' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.8 min calculated for 1,272 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.19 | 322 | 0.0 | 0 | 0 |
| 209.20 | 322 | 40.0 | 1 | 1 |
| 212.19 | 322 | 40.0 | 385 | 386 |
| 212.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.10' | 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 | 210.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.70' / 210.65' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=209.22' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=211.34' TW=197.43' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)

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Summary for Pond DE5: DRIP #5

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 737 cf
 Primary = 0.23 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= 220.10' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)
 Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 217.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 270 | 0.0 | 0 | 0 |
| 218.00 | 270 | 40.0 | 1 | 1 |
| 220.99 | 270 | 40.0 | 323 | 324 |
| 221.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.60 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=220.09' TW=218.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE50: DRIP #50

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 737 cf
 Primary = 0.23 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= 212.60' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)

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Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 210.50 | 270 | 40.0 | 1 | 1 |
| 213.49 | 270 | 40.0 | 323 | 324 |
| 213.50 | 270 | 100.0 | 3 | 327 |

| 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 @ 10.60 hrs HW=210.52' (Free Discharge)
 ↳3=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=212.59' TW=197.39' (Dynamic Tailwater)
 ↳1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)
 ↳2=Culvert (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE51: DRIP #51

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.25 hrs, Volume= 873 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.46' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.8 min calculated for 1,272 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.29' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.29 | 322 | 0.0 | 0 | 0 |
| 211.30 | 322 | 40.0 | 1 | 1 |
| 214.29 | 322 | 40.0 | 385 | 386 |
| 214.30 | 322 | 100.0 | 3 | 390 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=213.44' TW=209.17' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)

Summary for Pond DE52: DRIP #52

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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= 873 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.36' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.8 min calculated for 1,272 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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' |

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Discarded OutFlow Max=0.02 cfs @ 10.65 hrs HW=212.22' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=214.34' TW=209.17' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)

Summary for Pond DE53: DRIP #53

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,136 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,136 cf, Atten= 24%, Lag= 4.6 min
 Discarded = 0.02 cfs @ 10.65 hrs, Volume= 782 cf
 Primary = 0.23 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= 215.10' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.7 min calculated for 1,133 cf (100% of inflow)
 Center-of-Mass det. time= 61.5 min (828.3 - 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=209.16' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

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Summary for Pond DE54: DRIP #54

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.25 hrs, Volume= 737 cf
 Primary = 0.23 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= 216.00' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)
 Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 213.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 213.89 | 270 | 0.0 | 0 | 0 |
| 213.90 | 270 | 40.0 | 1 | 1 |
| 216.89 | 270 | 40.0 | 323 | 324 |
| 216.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 216.80' | 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 | 215.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.40' / 215.35' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 213.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=213.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=215.99' TW=209.16' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE55: DRIP #55

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 cf
 Outflow = 0.27 cfs @ 12.17 hrs, Volume= 1,274 cf, Atten= 26%, Lag= 4.8 min
 Discarded = 0.02 cfs @ 10.25 hrs, Volume= 873 cf
 Primary = 0.25 cfs @ 12.17 hrs, Volume= 401 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.96' @ 12.17 hrs Surf.Area= 322 sf Storage= 279 cf

Plug-Flow detention time= 61.8 min calculated for 1,272 cf (100% of inflow)

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Center-of-Mass det. time= 61.5 min (828.4 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 214.79' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.79 | 322 | 0.0 | 0 | 0 |
| 214.80 | 322 | 40.0 | 1 | 1 |
| 217.79 | 322 | 40.0 | 385 | 386 |
| 217.80 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 217.70' | 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 | 216.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.25' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.25 hrs HW=214.80' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.25 cfs @ 12.17 hrs HW=216.94' TW=209.17' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.25 cfs @ 2.84 fps)

Summary for Pond DE56: DRIP #56

Inflow Area = 2,333 sf, 88.43% 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= 4.2 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 737 cf
 Primary = 0.23 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= 218.10' @ 12.16 hrs Surf.Area= 270 sf Storage= 228 cf

Plug-Flow detention time= 61.1 min calculated for 1,082 cf (100% of inflow)
 Center-of-Mass det. time= 60.9 min (827.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 215.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 216.00 | 270 | 40.0 | 1 | 1 |
| 218.99 | 270 | 40.0 | 323 | 324 |
| 219.00 | 270 | 100.0 | 3 | 327 |

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| 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 @ 10.60 hrs HW=216.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=218.09' TW=212.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE57: DRIP #57

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 897 cf
 Outflow = 0.19 cfs @ 12.17 hrs, Volume= 897 cf, Atten= 28%, Lag= 5.2 min
 Discarded = 0.01 cfs @ 11.05 hrs, Volume= 666 cf
 Primary = 0.17 cfs @ 12.17 hrs, Volume= 231 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 218.93' @ 12.17 hrs Surf.Area= 268 sf Storage= 208 cf

Plug-Flow detention time= 64.6 min calculated for 897 cf (100% of inflow)

Center-of-Mass det. time= 64.5 min (835.7 - 771.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 216.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 217.00 | 268 | 40.0 | 1 | 1 |
| 219.99 | 268 | 40.0 | 321 | 322 |
| 220.00 | 268 | 100.0 | 3 | 324 |

| 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' |

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Discarded OutFlow Max=0.01 cfs @ 11.05 hrs HW=217.02' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.17 cfs @ 12.17 hrs HW=218.91' TW=212.01' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.17 cfs @ 1.95 fps)

Summary for Pond DE58: DRIP #58

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= 218.85' @ 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 | 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 | 218.50' | 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 @ 11.30 hrs HW=217.03' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.13 cfs @ 12.21 hrs HW=218.84' TW=212.01' (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 DE59: DRIP #59

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 5.47" for 25YR event
 Inflow = 0.26 cfs @ 12.09 hrs, Volume= 875 cf
 Outflow = 0.16 cfs @ 12.21 hrs, Volume= 875 cf, Atten= 38%, Lag= 7.2 min
 Discarded = 0.02 cfs @ 10.90 hrs, Volume= 684 cf
 Primary = 0.14 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= 217.66' @ 12.21 hrs Surf.Area= 290 sf Storage= 217 cf

Plug-Flow detention time= 66.6 min calculated for 875 cf (100% of inflow)
 Center-of-Mass det. time= 66.5 min (837.7 - 771.2)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 215.79' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 215.79 | 290 | 0.0 | 0 | 0 |
| 215.80 | 290 | 40.0 | 1 | 1 |
| 218.79 | 290 | 40.0 | 347 | 348 |
| 218.80 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 218.70' | 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 | 217.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.30' / 217.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 215.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.90 hrs HW=215.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.14 cfs @ 12.21 hrs HW=217.65' TW=212.01' (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, 88.13% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.33 cfs @ 12.09 hrs, Volume= 1,160 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,159 cf, Atten= 23%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 10.60 hrs, Volume= 797 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 363 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.62' @ 12.16 hrs Surf.Area= 290 sf Storage= 247 cf

Plug-Flow detention time= 60.8 min calculated for 1,157 cf (100% of inflow)

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Center-of-Mass det. time= 60.6 min (822.6 - 762.1)

| 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 |

| 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 @ 10.60 hrs HW=210.52' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.23 cfs @ 12.16 hrs HW=212.60' TW=211.50' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.69 fps)**Summary for Pond DE60: DRIP #60**

| | |
|---------------|--|
| Inflow Area = | 2,443 sf, 88.13% Impervious, Inflow Depth > 5.58" for 25YR event |
| Inflow = | 0.33 cfs @ 12.09 hrs, Volume= 1,136 cf |
| Outflow = | 0.25 cfs @ 12.16 hrs, Volume= 1,136 cf, Atten= 24%, Lag= 4.6 min |
| Discarded = | 0.02 cfs @ 10.30 hrs, Volume= 782 cf |
| Primary = | 0.23 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= 216.40' @ 12.16 hrs Surf.Area= 290 sf Storage= 245 cf

Plug-Flow detention time= 61.7 min calculated for 1,133 cf (100% of inflow)

Center-of-Mass det. time= 61.5 min (828.3 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 214.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.29 | 290 | 0.0 | 0 | 0 |
| 214.30 | 290 | 40.0 | 1 | 1 |
| 217.29 | 290 | 40.0 | 347 | 348 |
| 217.30 | 290 | 100.0 | 3 | 351 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 217.20' | 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 | 215.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.80' / 215.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.30 hrs HW=214.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.23 cfs @ 12.16 hrs HW=216.39' TW=212.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.23 cfs @ 2.63 fps)

Summary for Pond DE61: DRIP #61

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,022 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.10 hrs, Volume= 1,137 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 885 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.44' @ 12.13 hrs Surf.Area= 471 sf Storage= 216 cf

Plug-Flow detention time= 19.0 min calculated for 2,022 cf (100% of inflow)

Center-of-Mass det. time= 18.9 min (785.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.03 cfs @ 10.10 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=213.43' TW=205.35' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

Summary for Pond DE62: DRIP #62

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,022 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.35 hrs, Volume= 1,137 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 885 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 211.74' @ 12.13 hrs Surf.Area= 471 sf Storage= 216 cf

Plug-Flow detention time= 19.0 min calculated for 2,022 cf (100% of inflow)
Center-of-Mass det. time= 18.9 min (785.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.59' | 382 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 | 471 | 0.0 | 0 | 0 |
| 210.60 | 471 | 40.0 | 2 | 2 |
| 212.59 | 471 | 40.0 | 375 | 377 |
| 212.60 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.50' | 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 | 211.10' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.10' / 211.05' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 210.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.35 hrs HW=210.61' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=211.73' TW=206.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.58" for 25YR event
 Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,022 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,022 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.10 hrs, Volume= 1,137 cf
 Primary = 0.48 cfs @ 12.13 hrs, Volume= 885 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.44' @ 12.13 hrs Surf.Area= 471 sf Storage= 216 cf

Plug-Flow detention time= 19.0 min calculated for 2,022 cf (100% of inflow)
 Center-of-Mass det. time= 18.9 min (785.7 - 766.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.10 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=213.43' TW=206.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.80 cfs @ 12.09 hrs, Volume= 2,842 cf
 Outflow = 0.67 cfs @ 12.14 hrs, Volume= 2,842 cf, Atten= 17%, Lag= 3.5 min
 Discarded = 0.03 cfs @ 10.15 hrs, Volume= 1,640 cf
 Primary = 0.63 cfs @ 12.14 hrs, Volume= 1,202 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.32' @ 12.15 hrs Surf.Area= 605 sf Storage= 395 cf

Plug-Flow detention time= 29.6 min calculated for 2,842 cf (100% of inflow)

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Center-of-Mass det. time= 29.5 min (786.3 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.69' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.69 | 605 | 0.0 | 0 | 0 |
| 207.70 | 605 | 40.0 | 2 | 2 |
| 210.69 | 605 | 40.0 | 724 | 726 |
| 210.70 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.60' | 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 | 207.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.15 hrs HW=207.72' (Free Discharge)↳**3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.63 cfs @ 12.14 hrs HW=209.32' TW=202.09' (Dynamic Tailwater)↳**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳**2=Culvert** (Barrel Controls 0.63 cfs @ 3.21 fps)**Summary for Pond DE65: DRIP #65**

| | |
|---------------|--|
| Inflow Area = | 3,434 sf, 88.24% Impervious, Inflow Depth > 5.70" for 25YR event |
| Inflow = | 0.47 cfs @ 12.09 hrs, Volume= 1,630 cf |
| Outflow = | 0.43 cfs @ 12.12 hrs, Volume= 1,630 cf, Atten= 9%, Lag= 2.2 min |
| Discarded = | 0.02 cfs @ 10.45 hrs, Volume= 953 cf |
| Primary = | 0.40 cfs @ 12.12 hrs, Volume= 676 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.54' @ 12.12 hrs Surf.Area= 404 sf Storage= 169 cf

Plug-Flow detention time= 18.6 min calculated for 1,626 cf (100% of inflow)

Center-of-Mass det. time= 18.4 min (780.5 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.49' | 327 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 | 404 | 0.0 | 0 | 0 |
| 207.50 | 404 | 40.0 | 2 | 2 |
| 209.49 | 404 | 40.0 | 322 | 323 |
| 209.50 | 404 | 100.0 | 4 | 327 |

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| 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 | 208.00' | 6.0" 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= 0.20 sf |
| #3 | Discarded | 207.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.45 hrs HW=207.51' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.39 cfs @ 12.12 hrs HW=208.53' TW=202.08' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.39 cfs @ 2.36 fps)

Summary for Pond DE66: DRIP #66

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.59 cfs @ 12.09 hrs, Volume= 2,064 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,064 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 9.95 hrs, Volume= 1,162 cf
 Primary = 0.49 cfs @ 12.13 hrs, Volume= 902 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.05' @ 12.13 hrs Surf.Area= 471 sf Storage= 218 cf

Plug-Flow detention time= 18.9 min calculated for 2,060 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' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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 @ 9.95 hrs HW=205.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=207.03' TW=202.08' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

Summary for Pond DE67: DRIP #67

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.59 cfs @ 12.09 hrs, Volume= 2,064 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,064 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.25 hrs, Volume= 1,162 cf
 Primary = 0.49 cfs @ 12.13 hrs, Volume= 902 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.15' @ 12.13 hrs Surf.Area= 471 sf Storage= 218 cf

Plug-Flow detention time= 18.9 min calculated for 2,060 cf (100% of inflow)
 Center-of-Mass det. time= 18.7 min (780.8 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.99' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.99 | 471 | 0.0 | 0 | 0 |
| 204.00 | 471 | 40.0 | 2 | 2 |
| 205.99 | 471 | 40.0 | 375 | 377 |
| 206.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 204.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 203.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.25 hrs HW=204.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=205.13' TW=202.08' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 6.05" for 25YR event
 Inflow = 0.60 cfs @ 12.09 hrs, Volume= 2,192 cf
 Outflow = 0.52 cfs @ 12.13 hrs, Volume= 2,191 cf, Atten= 14%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 9.95 hrs, Volume= 1,250 cf
 Primary = 0.49 cfs @ 12.13 hrs, Volume= 942 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.16' @ 12.13 hrs Surf.Area= 471 sf Storage= 220 cf

Plug-Flow detention time= 18.5 min calculated for 2,187 cf (100% of inflow)
 Center-of-Mass det. time= 18.3 min (762.3 - 744.0)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 9.95 hrs HW=205.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.49 cfs @ 12.13 hrs HW=206.15' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.49 cfs @ 2.50 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.59 cfs @ 12.09 hrs, Volume= 2,064 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,064 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 10.25 hrs, Volume= 1,162 cf
 Primary = 0.49 cfs @ 12.13 hrs, Volume= 902 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.15' @ 12.13 hrs Surf.Area= 471 sf Storage= 218 cf

Plug-Flow detention time= 18.9 min calculated for 2,060 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 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 10.25 hrs HW=205.01' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.48 cfs @ 12.13 hrs HW=206.13' TW=0.00' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 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=211.51' (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 = 4,349 sf, 89.17% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.59 cfs @ 12.09 hrs, Volume= 2,064 cf
 Outflow = 0.51 cfs @ 12.13 hrs, Volume= 2,064 cf, Atten= 13%, Lag= 2.7 min
 Discarded = 0.03 cfs @ 9.95 hrs, Volume= 1,162 cf
 Primary = 0.49 cfs @ 12.13 hrs, Volume= 902 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.05' @ 12.13 hrs Surf.Area= 471 sf Storage= 218 cf

Plug-Flow detention time= 18.9 min calculated for 2,060 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' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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 @ 9.95 hrs HW=205.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.48 cfs @ 12.13 hrs HW=207.03' TW=201.74' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.48 cfs @ 2.49 fps)

Summary for Pond DE71: DRIP #71

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.80 cfs @ 12.09 hrs, Volume= 2,842 cf
 Outflow = 0.67 cfs @ 12.14 hrs, Volume= 2,842 cf, Atten= 17%, Lag= 3.5 min
 Discarded = 0.03 cfs @ 10.15 hrs, Volume= 1,568 cf
 Primary = 0.64 cfs @ 12.14 hrs, Volume= 1,274 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.42' @ 12.14 hrs Surf.Area= 605 sf Storage= 323 cf

Plug-Flow detention time= 19.4 min calculated for 2,842 cf (100% of inflow)
 Center-of-Mass det. time= 19.2 min (776.0 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 605 | 0.0 | 0 | 0 |
| 206.10 | 605 | 40.0 | 2 | 2 |
| 209.09 | 605 | 40.0 | 724 | 726 |
| 209.10 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 206.60' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 10.15 hrs HW=206.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.63 cfs @ 12.14 hrs HW=207.42' TW=201.79' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.63 cfs @ 3.21 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,107 cf
 Outflow = 0.25 cfs @ 12.16 hrs, Volume= 1,107 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.55 hrs, Volume= 751 cf
 Primary = 0.24 cfs @ 12.16 hrs, Volume= 357 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= 270 sf Storage= 229 cf

Plug-Flow detention time= 60.3 min calculated for 1,105 cf (100% of inflow)
 Center-of-Mass det. time= 60.0 min (822.1 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.59' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.60 | 270 | 40.0 | 1 | 1 |
| 214.59 | 270 | 40.0 | 323 | 324 |
| 214.60 | 270 | 100.0 | 3 | 327 |

| 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 @ 10.55 hrs HW=211.63' (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 @ 2.68 fps)

Summary for Pond DE9: DRIP #9

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 = 0.18 cfs @ 12.26 hrs, Volume= 1,301 cf, Atten= 52%, Lag= 10.1 min
 Discarded = 0.03 cfs @ 10.95 hrs, Volume= 1,054 cf
 Primary = 0.15 cfs @ 12.26 hrs, Volume= 247 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.78' @ 12.26 hrs Surf.Area= 449 sf Storage= 340 cf

Plug-Flow detention time= 67.0 min calculated for 1,298 cf (100% of inflow)

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Center-of-Mass det. time= 66.8 min (828.8 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 211.89' | 543 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 | 449 | 0.0 | 0 0 |
| 211.90 | 449 | 40.0 | 2 2 |
| 214.89 | 449 | 40.0 | 537 539 |
| 214.90 | 449 | 100.0 | 4 543 |

| 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=0.03 cfs @ 10.95 hrs HW=211.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.15 cfs @ 12.26 hrs HW=213.78' TW=211.51' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.15 cfs @ 1.92 fps)

Summary for Pond DEB1: DRIP #B1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 17,980 sf, 88.68% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 2.46 cfs @ 12.09 hrs, Volume= 8,709 cf
 Outflow = 1.45 cfs @ 12.21 hrs, Volume= 8,709 cf, Atten= 41%, Lag= 7.2 min
 Discarded = 0.39 cfs @ 11.75 hrs, Volume= 7,327 cf
 Primary = 1.06 cfs @ 12.21 hrs, Volume= 1,381 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.73' @ 12.21 hrs Surf.Area= 2,035 sf Storage= 1,416 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 10.8 min (767.5 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 3,276 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 2,035 | 0.0 | 0 | 0 |
| 202.00 | 2,035 | 40.0 | 8 | 8 |
| 205.99 | 2,035 | 40.0 | 3,248 | 3,256 |
| 206.00 | 2,035 | 100.0 | 20 | 3,276 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.90' | 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 | 203.00' | 8.0" Round Culvert L= 50.0' Ke= 0.500 Inlet / Outlet Invert= 203.00' / 202.50' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.39 cfs @ 11.75 hrs HW=202.07' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.39 cfs)

Primary OutFlow Max=1.05 cfs @ 12.21 hrs HW=203.72' TW=198.35' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Inlet Controls 1.05 cfs @ 3.01 fps)

Summary for Pond DEB2: DRIP #B2

| | |
|---------------|---|
| Inflow Area = | 17,498 sf, 90.17% Impervious, Inflow Depth > 5.81" for 25YR event |
| Inflow = | 2.39 cfs @ 12.09 hrs, Volume= 8,476 cf |
| Outflow = | 1.72 cfs @ 12.17 hrs, Volume= 8,474 cf, Atten= 28%, Lag= 4.9 min |
| Discarded = | 0.10 cfs @ 10.00 hrs, Volume= 4,925 cf |
| Primary = | 1.62 cfs @ 12.17 hrs, Volume= 3,549 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.30' @ 12.17 hrs Surf.Area= 1,720 sf Storage= 1,590 cf

Plug-Flow detention time= 39.6 min calculated for 8,474 cf (100% of inflow)

Center-of-Mass det. time= 39.5 min (796.2 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 2,081 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 1,720 | 0.0 | 0 | 0 |
| 202.00 | 1,720 | 40.0 | 7 | 7 |
| 204.99 | 1,720 | 40.0 | 2,057 | 2,064 |
| 205.00 | 1,720 | 100.0 | 17 | 2,081 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.90' | 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 | 203.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 203.00' / 202.95' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf
 #3 Discarded 201.99' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.10 cfs @ 10.00 hrs HW=202.02' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=1.60 cfs @ 12.17 hrs HW=204.28' TW=195.76' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 1.60 cfs @ 4.59 fps)

Summary for Pond DEB3: DRIP #B3

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 17,772 sf, 89.71% Impervious, Inflow Depth > 5.70" for 25YR event
 Inflow = 2.41 cfs @ 12.09 hrs, Volume= 8,436 cf
 Outflow = 1.54 cfs @ 12.19 hrs, Volume= 8,435 cf, Atten= 36%, Lag= 6.2 min
 Discarded = 0.35 cfs @ 11.70 hrs, Volume= 6,546 cf
 Primary = 1.19 cfs @ 12.19 hrs, Volume= 1,890 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.08' @ 12.19 hrs Surf.Area= 1,829 sf Storage= 1,161 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 6.9 min (768.9 - 762.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 2,945 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,829 | 0.0 | 0 | 0 |
| 201.50 | 1,829 | 40.0 | 7 | 7 |
| 205.49 | 1,829 | 40.0 | 2,919 | 2,926 |
| 205.50 | 1,829 | 100.0 | 18 | 2,945 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.35 cfs @ 11.70 hrs HW=201.54' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.35 cfs)

Primary OutFlow Max=1.18 cfs @ 12.19 hrs HW=203.07' TW=200.47' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 1.18 cfs @ 3.38 fps)

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Summary for Pond DEB4: DRIP #B4

Inflow Area = 17,682 sf, 89.23% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 2.42 cfs @ 12.09 hrs, Volume= 8,565 cf
 Outflow = 1.60 cfs @ 12.18 hrs, Volume= 8,564 cf, Atten= 34%, Lag= 5.8 min
 Discarded = 0.36 cfs @ 11.70 hrs, Volume= 6,742 cf
 Primary = 1.23 cfs @ 12.18 hrs, Volume= 1,823 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 203.01' @ 12.18 hrs Surf.Area= 1,904 sf Storage= 1,158 cf

Plug-Flow detention time= 6.8 min calculated for 8,564 cf (100% of inflow)
 Center-of-Mass det. time= 6.8 min (763.6 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 3,065 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,904 | 0.0 | 0 | 0 |
| 201.50 | 1,904 | 40.0 | 8 | 8 |
| 205.49 | 1,904 | 40.0 | 3,039 | 3,046 |
| 205.50 | 1,904 | 100.0 | 19 | 3,065 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.36 cfs @ 11.70 hrs HW=201.54' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.36 cfs)

Primary OutFlow Max=1.22 cfs @ 12.18 hrs HW=203.00' TW=200.52' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 1.22 cfs @ 3.49 fps)

Summary for Pond DECH: DRIP #CH

Inflow Area = 5,112 sf, 87.56% Impervious, Inflow Depth > 5.81" for 25YR event
 Inflow = 0.70 cfs @ 12.09 hrs, Volume= 2,476 cf
 Outflow = 0.43 cfs @ 12.20 hrs, Volume= 2,476 cf, Atten= 38%, Lag= 6.6 min
 Discarded = 0.04 cfs @ 10.60 hrs, Volume= 1,489 cf
 Primary = 0.40 cfs @ 12.20 hrs, Volume= 987 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.56' @ 12.20 hrs Surf.Area= 636 sf Storage= 398 cf

Plug-Flow detention time= 20.3 min calculated for 2,471 cf (100% of inflow)

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Center-of-Mass det. time= 20.1 min (776.9 - 756.8)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 202.99' | 770 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 202.99 | 636 | 0.0 | 0 0 |
| 203.00 | 636 | 40.0 | 3 3 |
| 205.99 | 636 | 40.0 | 761 763 |
| 206.00 | 636 | 100.0 | 6 770 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 203.50' | 4.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 203.50' / 202.00' S= 0.0500 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.04 cfs @ 10.60 hrs HW=203.02' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)

Primary OutFlow Max=0.40 cfs @ 12.20 hrs HW=204.55' TW=201.95' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Inlet Controls 0.40 cfs @ 4.53 fps)

Summary for Pond P204: STORMTECH INFILTRATION SYSTEM

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth > 4.22" for 25YR event
 Inflow = 5.02 cfs @ 12.10 hrs, Volume= 15,795 cf
 Outflow = 2.67 cfs @ 12.32 hrs, Volume= 15,792 cf, Atten= 47%, Lag= 13.1 min
 Discarded = 0.22 cfs @ 11.20 hrs, Volume= 8,745 cf
 Primary = 2.45 cfs @ 12.32 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= 195.94' @ 12.32 hrs Surf.Area= 3,927 sf Storage= 4,274 cf

Plug-Flow detention time= 42.3 min calculated for 15,760 cf (100% of inflow)
 Center-of-Mass det. time= 42.1 min (810.1 - 768.0)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|---|
| #1A | 194.00' | 3,542 cf | 38.17'W x 102.88'L x 2.83'H STORMTECH SC-310 11,125 cf Overall - 2,270 cf Embedded = 8,855 cf x 40.0% Voids |
| #2A | 195.00' | 2,270 cf | ADS_StormTech SC-310 +Cap x 154 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 154 Chambers in 11 Rows |
| | | 5,812 cf | Total Available Storage |

Storage Group A created with Chamber Wizard

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.90' | 12.0" Round Culvert L= 20.0' Ke= 0.200 Inlet / Outlet Invert= 194.90' / 194.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Discarded | 194.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.22 cfs @ 11.20 hrs HW=194.03' (Free Discharge)

↳ **2=Exfiltration** (Exfiltration Controls 0.22 cfs)

Primary OutFlow Max=2.43 cfs @ 12.32 hrs HW=195.94' TW=194.92' (Dynamic Tailwater)

↳ **1=Culvert** (Barrel Controls 2.43 cfs @ 3.71 fps)

Summary for Pond P205: INFILTRATION POND #5

| | |
|---------------|--|
| Inflow Area = | 254,301 sf, 42.05% Impervious, Inflow Depth > 3.21" for 25YR event |
| Inflow = | 14.67 cfs @ 12.12 hrs, Volume= 67,980 cf |
| Outflow = | 8.55 cfs @ 12.47 hrs, Volume= 61,943 cf, Atten= 42%, Lag= 21.2 min |
| Discarded = | 0.42 cfs @ 12.47 hrs, Volume= 18,390 cf |
| Primary = | 8.13 cfs @ 12.47 hrs, Volume= 43,553 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.91' @ 12.47 hrs Surf.Area= 7,546 sf Storage= 16,856 cf

Plug-Flow detention time= 80.2 min calculated for 61,814 cf (91% of inflow)

Center-of-Mass det. time= 36.9 min (858.4 - 821.5)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.00' | 38,186 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.00 | 4,110 | 0 | 0 |
| 196.00 | 5,205 | 4,658 | 4,658 |
| 198.00 | 7,652 | 12,857 | 17,515 |
| 200.00 | 10,380 | 18,032 | 35,547 |
| 200.25 | 10,739 | 2,640 | 38,186 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 199.10' | 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 2.63 |
| #2 | Primary | 193.00' | 18.0" Round Culvert L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 193.00' / 192.00' S= 0.0217 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.25' | 18.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Discarded | 195.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.42 cfs @ 12.47 hrs HW=197.91' (Free Discharge)

↳ **4=Exfiltration** (Exfiltration Controls 0.42 cfs)

Primary OutFlow Max=8.12 cfs @ 12.47 hrs HW=197.91' TW=192.37' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 8.12 cfs of 17.36 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 8.12 cfs @ 4.59 fps)

Summary for Pond P206: INFILTRATION POND #4

Inflow Area = 78,505 sf, 54.69% Impervious, Inflow Depth > 3.90" for 25YR event
 Inflow = 7.49 cfs @ 12.09 hrs, Volume= 25,546 cf
 Outflow = 3.00 cfs @ 12.33 hrs, Volume= 25,542 cf, Atten= 60%, Lag= 14.6 min
 Discarded = 1.09 cfs @ 12.33 hrs, Volume= 22,121 cf
 Primary = 1.90 cfs @ 12.33 hrs, Volume= 3,421 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 196.76' @ 12.33 hrs Surf.Area= 5,718 sf Storage= 6,192 cf

Plug-Flow detention time= 27.0 min calculated for 25,489 cf (100% of inflow)
 Center-of-Mass det. time= 26.8 min (816.5 - 789.7)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.50' | 14,163 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.50 | 3,860 | 0 | 0 |
| 196.00 | 4,830 | 2,173 | 2,173 |
| 198.00 | 7,160 | 11,990 | 14,163 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 197.00' | 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 | 194.00' | 18.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.00' S= 0.0500 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.30' | 18.0" W x 3.2" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 196.70' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Discarded | 195.50' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=1.09 cfs @ 12.33 hrs HW=196.76' (Free Discharge)

↳ **5=Exfiltration** (Exfiltration Controls 1.09 cfs)

Primary OutFlow Max=1.88 cfs @ 12.33 hrs HW=196.76' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 1.88 cfs of 12.07 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 1.09 cfs @ 2.74 fps)

↳ **4=Orifice/Grate** (Weir Controls 0.79 cfs @ 0.81 fps)

Summary for Pond P207: INFILTRATION POND #3

Inflow Area = 176,771 sf, 70.76% Impervious, Inflow Depth > 4.77" for 25YR event
 Inflow = 20.12 cfs @ 12.09 hrs, Volume= 70,292 cf
 Outflow = 3.74 cfs @ 12.55 hrs, Volume= 62,158 cf, Atten= 81%, Lag= 27.7 min
 Discarded = 0.81 cfs @ 12.55 hrs, Volume= 42,110 cf
 Primary = 2.94 cfs @ 12.55 hrs, Volume= 20,048 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 194.42' @ 12.55 hrs Surf.Area= 14,458 sf Storage= 29,615 cf

Plug-Flow detention time= 174.6 min calculated for 62,158 cf (88% of inflow)
 Center-of-Mass det. time= 120.3 min (889.5 - 769.2)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 192.00' | 55,227 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 192.00 | 10,200 | 0 | 0 |
| 194.00 | 13,500 | 23,700 | 23,700 |
| 196.00 | 18,027 | 31,527 | 55,227 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.75' | 15.0' 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 | 192.00' | 24.0" Round Culvert X 2.00 L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |
| #3 | Device 2 | 193.50' | 18.0" W x 3.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 194.00' | 18.0" W x 6.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Device 2 | 194.75' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #6 | Discarded | 192.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.81 cfs @ 12.55 hrs HW=194.42' (Free Discharge)

↳ **6=Exfiltration** (Exfiltration Controls 0.81 cfs)

Primary OutFlow Max=2.94 cfs @ 12.55 hrs HW=194.42' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 2.94 cfs of 31.20 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 1.61 cfs @ 4.30 fps)

↳ **4=Orifice/Grate** (Orifice Controls 1.32 cfs @ 2.09 fps)

↳ **5=Orifice/Grate** (Controls 0.00 cfs)

Summary for Pond P210: INFILTRATION POND #1

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth > 4.40" for 25YR event

Inflow = 11.45 cfs @ 12.09 hrs, Volume= 37,399 cf

Outflow = 9.84 cfs @ 12.15 hrs, Volume= 36,929 cf, Atten= 14%, Lag= 3.6 min

Discarded = 0.39 cfs @ 12.15 hrs, Volume= 19,756 cf

Primary = 9.45 cfs @ 12.15 hrs, Volume= 17,172 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.37' @ 12.15 hrs Surf.Area= 7,052 sf Storage= 8,479 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 74.1 min (865.7 - 791.6)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 204.00' | 17,383 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.00 | 5,368 | 0 | 0 |
| 206.00 | 7,835 | 13,203 | 13,203 |
| 206.50 | 8,884 | 4,180 | 17,383 |

| 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 | 204.70' | 18.0" Round Culvert L= 24.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 203.00' S= 0.0708 ' / S= 0.0708 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Discarded | 204.00' | 2.410 in/hr Exfiltration over Surface area |

Discarded OutFlow Max=0.39 cfs @ 12.15 hrs HW=205.36' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.39 cfs)

Primary OutFlow Max=9.36 cfs @ 12.15 hrs HW=205.36' TW=202.18' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 7.27 cfs @ 1.38 fps)

↳ **2=Culvert** (Inlet Controls 2.09 cfs @ 2.77 fps)

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Summary for Pond P212: INFILTRATION POND #2

Inflow Area = 165,235 sf, 47.56% Impervious, Inflow Depth > 3.75" for 25YR event
 Inflow = 12.32 cfs @ 12.11 hrs, Volume= 51,657 cf
 Outflow = 4.10 cfs @ 12.64 hrs, Volume= 39,742 cf, Atten= 67%, Lag= 31.5 min
 Discarded = 0.65 cfs @ 12.64 hrs, Volume= 30,638 cf
 Primary = 3.45 cfs @ 12.64 hrs, Volume= 9,104 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.79' @ 12.64 hrs Surf.Area= 11,632 sf Storage= 23,301 cf

Plug-Flow detention time= 229.7 min calculated for 39,742 cf (77% of inflow)
 Center-of-Mass det. time= 151.4 min (948.8 - 797.4)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 200.00' | 38,775 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 200.00 | 2,737 | 0 | 0 |
| 201.00 | 8,272 | 5,505 | 5,505 |
| 202.00 | 10,150 | 9,211 | 14,716 |
| 204.00 | 13,909 | 24,059 | 38,775 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 202.65' | 25.0' 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 | Discarded | 200.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.65 cfs @ 12.64 hrs HW=202.79' (Free Discharge)
 ↳ **2=Exfiltration** (Exfiltration Controls 0.65 cfs)

Primary OutFlow Max=3.43 cfs @ 12.64 hrs HW=202.79' TW=199.55' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 3.43 cfs @ 0.99 fps)

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 6,539 sf, 66.08% Impervious, Inflow Depth > 4.57" for 25YR event
 Inflow = 0.77 cfs @ 12.09 hrs, Volume= 2,492 cf
 Primary = 0.77 cfs @ 12.09 hrs, Volume= 2,492 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 = 779,830 sf, 17.89% Impervious, Inflow Depth > 3.46" for 25YR event
 Inflow = 31.72 cfs @ 12.38 hrs, Volume= 224,602 cf
 Primary = 31.72 cfs @ 12.38 hrs, Volume= 224,602 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 AP3: ANALYSIS POINT 3

Inflow Area = 45,041 sf, 8.61% Impervious, Inflow Depth > 3.43" for 25YR event
Inflow = 4.26 cfs @ 12.10 hrs, Volume= 12,863 cf
Primary = 4.26 cfs @ 12.10 hrs, Volume= 12,863 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 = 1,750,335 sf, 29.39% Impervious, Inflow Depth > 2.14" for 25YR event
Inflow = 51.52 cfs @ 12.38 hrs, Volume= 311,840 cf
Primary = 51.52 cfs @ 12.38 hrs, Volume= 311,840 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

| | |
|---|---|
| Subcatchment B1: MULTIFAMILY BLDG #1 | Runoff Area=17,980 sf 88.68% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=3.57 cfs 12,846 cf |
| Subcatchment B2: MULTIFAMILY BLDG #2 | Runoff Area=17,498 sf 90.17% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=3.47 cfs 12,501 cf |
| Subcatchment B3: MULTIFAMILY BLDG #3 | Runoff Area=17,772 sf 89.71% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=3.51 cfs 12,518 cf |
| Subcatchment B4: MULTIFAMILY BLDG #4 | Runoff Area=17,682 sf 89.23% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=3.51 cfs 12,633 cf |
| Subcatchment C1: CB #1 | Runoff Area=10,706 sf 37.85% Impervious Runoff Depth>6.00" Flow Length=95' Tc=8.5 min CN=75 Runoff=1.56 cfs 5,353 cf |
| Subcatchment C10: CB #44 | Runoff Area=5,492 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=1.10 cfs 4,034 cf |
| Subcatchment C11: CB #47 | Runoff Area=2,381 sf 54.01% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=0.44 cfs 1,484 cf |
| Subcatchment C12: CB #48 | Runoff Area=2,480 sf 63.99% Impervious Runoff Depth>7.72" Tc=6.0 min CN=89 Runoff=0.47 cfs 1,596 cf |
| Subcatchment C13: CB #49 | Runoff Area=6,942 sf 55.47% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=1.29 cfs 4,327 cf |
| Subcatchment C14: CB #50 | Runoff Area=6,999 sf 66.87% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=1.34 cfs 4,576 cf |
| Subcatchment C15: CB #15 | Runoff Area=3,235 sf 58.73% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=0.61 cfs 2,049 cf |
| Subcatchment C16: CB #16 | Runoff Area=2,087 sf 71.87% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.40 cfs 1,386 cf |
| Subcatchment C17: CB #17 | Runoff Area=9,714 sf 59.89% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=1.83 cfs 6,154 cf |
| Subcatchment C18: CB #18 | Runoff Area=9,165 sf 65.72% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=1.75 cfs 5,992 cf |
| Subcatchment C19: CB #19 | Runoff Area=6,910 sf 57.21% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=1.30 cfs 4,377 cf |
| Subcatchment C2: CB #2 | Runoff Area=21,674 sf 80.07% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=4.18 cfs 14,390 cf |

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|---------------------------------|--|
| Subcatchment C20: CB #20 | Runoff Area=8,034 sf 73.30% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=1.56 cfs 5,415 cf |
| Subcatchment C21: CB #21 | Runoff Area=9,293 sf 82.86% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=1.79 cfs 6,170 cf |
| Subcatchment C22: CB #22 | Runoff Area=10,403 sf 81.23% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=1.94 cfs 6,484 cf |
| Subcatchment C23: CB #23 | Runoff Area=19,822 sf 84.04% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=3.82 cfs 13,161 cf |
| Subcatchment C24: CB #24 | Runoff Area=2,226 sf 99.87% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.44 cfs 1,635 cf |
| Subcatchment C25: CB #25 | Runoff Area=2,249 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.45 cfs 1,652 cf |
| Subcatchment C26: CB #26 | Runoff Area=3,194 sf 78.40% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.63 cfs 2,218 cf |
| Subcatchment C27: CB #27 | Runoff Area=13,200 sf 88.54% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=2.61 cfs 9,298 cf |
| Subcatchment C28: CB #28 | Runoff Area=18,536 sf 69.19% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=3.60 cfs 12,495 cf |
| Subcatchment C29: CB #29 | Runoff Area=1,837 sf 70.93% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.35 cfs 1,220 cf |
| Subcatchment C3: CB #3 | Runoff Area=10,853 sf 74.08% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=2.04 cfs 6,875 cf |
| Subcatchment C30: CB #30 | Runoff Area=6,023 sf 53.63% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=1.12 cfs 3,754 cf |
| Subcatchment C31: CB #31 | Runoff Area=13,352 sf 89.53% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=2.65 cfs 9,539 cf |
| Subcatchment C32: CB #32 | Runoff Area=15,647 sf 68.79% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=3.02 cfs 10,389 cf |
| Subcatchment C33: CB #33 | Runoff Area=10,475 sf 79.30% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=2.06 cfs 7,273 cf |
| Subcatchment C34: CB #34 | Runoff Area=7,978 sf 96.09% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=1.59 cfs 5,780 cf |
| Subcatchment C35: CB #35 | Runoff Area=7,168 sf 73.14% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=1.40 cfs 4,904 cf |
| Subcatchment C36: CB #36 | Runoff Area=5,338 sf 97.53% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=1.06 cfs 3,921 cf |

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|--------------------------------|--|
| SubcatchmentC37: CB #37 | Runoff Area=4,130 sf 76.71% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.81 cfs 2,867 cf |
| SubcatchmentC38: CB #38 | Runoff Area=2,450 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.49 cfs 1,800 cf |
| SubcatchmentC39: CB #39 | Runoff Area=20,827 sf 63.79% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=4.02 cfs 13,828 cf |
| SubcatchmentC4: CB #4 | Runoff Area=21,472 sf 40.29% Impervious Runoff Depth>6.12" Flow Length=375' Tc=10.7 min CN=76 Runoff=2.97 cfs 10,953 cf |
| SubcatchmentC40: CB #40 | Runoff Area=4,980 sf 92.85% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=0.99 cfs 3,608 cf |
| SubcatchmentC41: CB #41 | Runoff Area=5,480 sf 85.02% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.08 cfs 3,860 cf |
| SubcatchmentC42: CB #42 | Runoff Area=51,636 sf 15.77% Impervious Runoff Depth>6.86" Flow Length=300' Tc=7.8 min CN=82 Runoff=8.61 cfs 29,537 cf |
| SubcatchmentC43: CB #43 | Runoff Area=5,946 sf 61.76% Impervious Runoff Depth>7.72" Tc=6.0 min CN=89 Runoff=1.13 cfs 3,827 cf |
| SubcatchmentC44: CB #44 | Runoff Area=6,236 sf 57.31% Impervious Runoff Depth>7.60" Tc=6.0 min CN=88 Runoff=1.17 cfs 3,950 cf |
| SubcatchmentC45: CB #45 | Runoff Area=4,105 sf 83.29% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.81 cfs 2,850 cf |
| SubcatchmentC46: CB #46 | Runoff Area=6,943 sf 69.75% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=1.34 cfs 4,610 cf |
| SubcatchmentC47: CB #47 | Runoff Area=2,486 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.50 cfs 1,826 cf |
| SubcatchmentC48: CB #48 | Runoff Area=3,544 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.71 cfs 2,603 cf |
| SubcatchmentC49: CB #49 | Runoff Area=1,263 sf 94.54% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=0.25 cfs 915 cf |
| SubcatchmentC5: CB #5 | Runoff Area=1,783 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.36 cfs 1,310 cf |
| SubcatchmentC50: CB #50 | Runoff Area=1,590 sf 95.66% Impervious Runoff Depth>8.69" Tc=6.0 min CN=97 Runoff=0.32 cfs 1,152 cf |
| SubcatchmentC51: CB #51 | Runoff Area=9,541 sf 92.31% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.89 cfs 6,720 cf |

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|------------------------------------|--|
| Subcatchment C52: CB #52 | Runoff Area=17,462 sf 77.87% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=3.34 cfs 11,417 cf |
| Subcatchment C53: CB #53 | Runoff Area=6,202 sf 91.87% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.23 cfs 4,368 cf |
| Subcatchment C54: CB #54 | Runoff Area=3,756 sf 91.59% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.74 cfs 2,646 cf |
| Subcatchment C55: CB #55 | Runoff Area=19,318 sf 48.01% Impervious Runoff Depth>6.50" Flow Length=120' Slope=0.0400 '/' Tc=6.9 min CN=79 Runoff=3.17 cfs 10,457 cf |
| Subcatchment C56: CB #56 | Runoff Area=5,029 sf 79.82% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.97 cfs 3,339 cf |
| Subcatchment C57: CB #57 | Runoff Area=2,370 sf 84.43% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=0.46 cfs 1,598 cf |
| Subcatchment C58: CB #58 | Runoff Area=1,348 sf 83.01% Impervious Runoff Depth>8.09" Tc=6.0 min CN=92 Runoff=0.26 cfs 909 cf |
| Subcatchment C59: CB #59 | Runoff Area=1,607 sf 85.75% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.31 cfs 1,099 cf |
| Subcatchment C6: CB #6 | Runoff Area=3,766 sf 59.48% Impervious Runoff Depth>7.23" Tc=6.0 min CN=85 Runoff=0.69 cfs 2,270 cf |
| Subcatchment C60: CB #60 | Runoff Area=3,327 sf 100.00% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.66 cfs 2,444 cf |
| Subcatchment C61: CB #61 | Runoff Area=6,407 sf 84.94% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=1.27 cfs 4,513 cf |
| Subcatchment C62: CB #62 | Runoff Area=5,714 sf 64.82% Impervious Runoff Depth>7.23" Tc=6.0 min CN=85 Runoff=1.04 cfs 3,445 cf |
| Subcatchment C64: CB #64 | Runoff Area=7,555 sf 42.86% Impervious Runoff Depth>4.76" Tc=6.0 min CN=65 Runoff=0.95 cfs 2,999 cf |
| Subcatchment C7: CB #7 | Runoff Area=7,403 sf 94.92% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=1.47 cfs 5,289 cf |
| Subcatchment C8: CB #8 | Runoff Area=12,849 sf 70.13% Impervious Runoff Depth>7.47" Flow Length=195' Tc=9.8 min CN=87 Runoff=2.13 cfs 8,004 cf |
| Subcatchment C9: CB #45 | Runoff Area=7,062 sf 54.59% Impervious Runoff Depth>7.48" Tc=6.0 min CN=87 Runoff=1.31 cfs 4,402 cf |
| Subcatchment CH1: CLUBHOUSE | Runoff Area=5,112 sf 87.56% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=1.01 cfs 3,652 cf |
| Subcatchment H1: SF #1 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |

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| SubcatchmentH10: SF #10 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH11: SF #11 | 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 |
| SubcatchmentH12: SF #12 | 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 |
| SubcatchmentH13: SF #13 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,643 cf |
| SubcatchmentH14: SF #14 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.39 cfs 1,388 cf |
| SubcatchmentH15: SF #15 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH16: SF #16 | 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 |
| SubcatchmentH17: SF #17 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH18: SF #18 | 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 |
| SubcatchmentH19: SF #19 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 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=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH21: SF #21 | 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 |
| SubcatchmentH22: SF #22 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>7.72" Tc=6.0 min CN=89 Runoff=0.36 cfs 1,236 cf |
| SubcatchmentH23: SF #23 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>7.85" Tc=6.0 min CN=90 Runoff=0.38 cfs 1,288 cf |
| SubcatchmentH24: SF #24 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.53 cfs 1,820 cf |
| SubcatchmentH25: SF #25 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.47 cfs 1,622 cf |

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| SubcatchmentH26: SF #26 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.37 cfs 1,275 cf |
| SubcatchmentH27: SF #27 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>7.97" Tc=6.0 min CN=91 Runoff=0.38 cfs 1,308 cf |
| SubcatchmentH28: SF #28 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.54 cfs 1,958 cf |
| SubcatchmentH29: SF #29 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=0.46 cfs 1,667 cf |
| SubcatchmentH3: SF #3 | Runoff Area=2,333 sf 88.43% 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>8.57" Tc=6.0 min CN=96 Runoff=0.54 cfs 1,958 cf |
| SubcatchmentH31: SF #31 | 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 |
| SubcatchmentH32: SF #32 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,643 cf |
| SubcatchmentH33: SF #33 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH34: SF #34 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| SubcatchmentH35: SF #35 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,643 cf |
| SubcatchmentH36: SF #36 | 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 |
| SubcatchmentH37: SF #37 | 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 |
| SubcatchmentH38: SF #38 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,643 cf |
| SubcatchmentH39: SF #39 | 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 |
| SubcatchmentH4: SF #4 | Runoff Area=2,741 sf 88.22% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH40: SF #40 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.39 cfs 1,348 cf |
| SubcatchmentH41: SF #41 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |

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| SubcatchmentH42: SF #42 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH43: SF #43 | 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 |
| SubcatchmentH44: SF #44 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.39 cfs 1,348 cf |
| SubcatchmentH45: SF #45 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,696 cf |
| SubcatchmentH46: SF #46 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH47: SF #47 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH48: SF #48 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,696 cf |
| SubcatchmentH49: SF #49 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH5: SF #5 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH50: SF #50 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH51: SF #51 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH52: SF #52 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH53: SF #53 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,696 cf |
| SubcatchmentH54: SF #54 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH55: SF #55 | Runoff Area=2,741 sf 88.25% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.54 cfs 1,903 cf |
| SubcatchmentH56: SF #56 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.46 cfs 1,620 cf |
| SubcatchmentH57: SF #57 | Runoff Area=1,970 sf 86.40% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.39 cfs 1,348 cf |

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| Subcatchment H58: SF #58 | 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 |
| Subcatchment H59: SF #59 | Runoff Area=1,921 sf 84.90% Impervious Runoff Depth>8.21" Tc=6.0 min CN=93 Runoff=0.38 cfs 1,314 cf |
| Subcatchment H6: SF #6 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.48 cfs 1,721 cf |
| Subcatchment H60: SF #60 | Runoff Area=2,443 sf 88.13% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.48 cfs 1,696 cf |
| Subcatchment H7: 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 |
| Subcatchment H8: SF #8 | Runoff Area=2,333 sf 88.43% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.46 cfs 1,643 cf |
| Subcatchment H9: SF #9 | 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 |
| Subcatchment S201: ACCESS ROAD | Runoff Area=6,539 sf 66.08% Impervious Runoff Depth>7.23" Tc=6.0 min CN=85 Runoff=1.19 cfs 3,942 cf |
| Subcatchment S202: EXISTING WETLAND | Runoff Area=370,963 sf 10.29% Impervious Runoff Depth>6.60" Flow Length=1,037' Tc=21.8 min CN=80 Runoff=42.16 cfs 204,083 cf |
| Subcatchment S203: EXISTING WETLANDS | Runoff Area=137,806 sf 6.34% Impervious Runoff Depth>5.50" Flow Length=838' Tc=16.6 min CN=71 Runoff=14.76 cfs 63,112 cf |
| Subcatchment S204: EXISTING WETLANDS | Runoff Area=592,627 sf 0.00% Impervious Runoff Depth>4.87" Flow Length=820' Tc=23.9 min CN=66 Runoff=48.61 cfs 240,429 cf |
| Subcatchment S205: CUL-DE-SAC | Runoff Area=25,952 sf 0.00% Impervious Runoff Depth>4.27" Tc=6.0 min CN=61 Runoff=2.91 cfs 9,229 cf |
| Subcatchment S206: INFILTRATION POND | Runoff Area=17,694 sf 0.00% Impervious Runoff Depth>1.63" Tc=6.0 min CN=39 Runoff=0.59 cfs 2,401 cf |
| Subcatchment S207: INFILTRATION POND | Runoff Area=24,420 sf 2.99% Impervious Runoff Depth>1.85" Tc=6.0 min CN=41 Runoff=0.99 cfs 3,775 cf |
| Subcatchment S208: ISOLATED WETLAND | Runoff Area=40,692 sf 0.00% Impervious Runoff Depth>6.00" Tc=6.0 min CN=75 Runoff=6.39 cfs 20,355 cf |
| Subcatchment S209: EXISTING WETLANDS | Runoff Area=261,233 sf 0.00% Impervious Runoff Depth>6.23" Flow Length=550' Tc=21.8 min CN=77 Runoff=28.26 cfs 135,664 cf |
| Subcatchment S210: INFILTRATION POND | Runoff Area=31,093 sf 24.92% Impervious Runoff Depth>5.88" Tc=6.0 min CN=74 Runoff=4.79 cfs 15,233 cf |
| Subcatchment S211: EXISTING WETLANDS | Runoff Area=120,768 sf 0.00% Impervious Runoff Depth>5.75" Flow Length=580' Tc=15.0 min CN=73 Runoff=14.07 cfs 57,819 cf |

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| Subcatchment S212: SWALE | Runoff Area=63,598 sf 0.00% Impervious Runoff Depth>5.86" Flow Length=470' Tc=26.6 min CN=74 Runoff=5.98 cfs 31,034 cf |
| Subcatchment S213: OFFSITE | Runoff Area=102,126 sf 18.24% Impervious Runoff Depth>4.88" Flow Length=985' Tc=17.0 min CN=66 Runoff=9.63 cfs 41,495 cf |
| Subcatchment TH1: TOWN HOUSE #1 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.86 cfs 3,019 cf |
| Subcatchment TH10: TOWN HOUSE #10 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.86 cfs 3,063 cf |
| Subcatchment TH11: TOWN HOUSE #11 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=1.16 cfs 4,192 cf |
| Subcatchment TH2: TOWN HOUSE #2 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.86 cfs 3,019 cf |
| Subcatchment TH3: TOWN HOUSE #3 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.33" Tc=6.0 min CN=94 Runoff=0.86 cfs 3,019 cf |
| Subcatchment TH4: TOWN HOUSE #4 | Runoff Area=5,868 sf 89.69% Impervious Runoff Depth>8.57" Tc=6.0 min CN=96 Runoff=1.16 cfs 4,192 cf |
| Subcatchment TH5: TOWN HOUSE #5 | Runoff Area=3,434 sf 88.24% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.68 cfs 2,419 cf |
| Subcatchment TH6: TOWN HOUSE #6 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.86 cfs 3,063 cf |
| Subcatchment TH7: TOWN HOUSE #7 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.86 cfs 3,063 cf |
| Subcatchment TH8: TOWN HOUSE #8 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.81" Tc=6.0 min CN=98 Runoff=0.87 cfs 3,194 cf |
| Subcatchment TH9: TOWN HOUSE #9 | Runoff Area=4,349 sf 89.17% Impervious Runoff Depth>8.45" Tc=6.0 min CN=95 Runoff=0.86 cfs 3,063 cf |
| Reach 1R: OVERLAND FLOW | Avg. Flow Depth=0.04' Max Vel=0.05 fps Inflow=1.75 cfs 3,608 cf n=0.400 L=1,350.0' S=0.0133 '/ Capacity=22.21 cfs Outflow=0.11 cfs 2,531 cf |
| Reach 2R: OVERLAND FLOW | Avg. Flow Depth=0.01' Max Vel=0.03 fps Inflow=0.36 cfs 758 cf n=0.400 L=925.0' S=0.0124 '/ Capacity=21.45 cfs Outflow=0.02 cfs 463 cf |
| Reach 3R: OVERLAND FLOW | Avg. Flow Depth=0.06' Max Vel=0.08 fps Inflow=0.96 cfs 1,849 cf n=0.400 L=475.0' S=0.0174 '/ Capacity=20.48 cfs Outflow=0.20 cfs 1,762 cf |
| Reach 4R: OVERLAND FLOW | Avg. Flow Depth=0.14' Max Vel=0.29 fps Inflow=2.31 cfs 4,707 cf n=0.400 L=100.0' S=0.0800 '/ Capacity=54.42 cfs Outflow=2.10 cfs 4,707 cf |

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Reach 5R: OVERLAND FLOW Avg. Flow Depth=0.02' Max Vel=0.05 fps Inflow=0.64 cfs 1,215 cf
n=0.400 L=826.0' S=0.0266 '/ Capacity=31.40 cfs Outflow=0.05 cfs 999 cf

Reach 6R: OVERLAND FLOW Avg. Flow Depth=0.07' Max Vel=0.11 fps Inflow=1.77 cfs 3,702 cf
n=0.400 L=650.0' S=0.0323 '/ Capacity=34.58 cfs Outflow=0.41 cfs 3,546 cf

Reach 7R: OVERLAND FLOW Avg. Flow Depth=0.06' Max Vel=0.11 fps Inflow=1.35 cfs 2,716 cf
n=0.400 L=500.0' S=0.0360 '/ Capacity=36.50 cfs Outflow=0.37 cfs 2,658 cf

Reach 8R: OVERLAND FLOW Avg. Flow Depth=0.05' Max Vel=0.11 fps Inflow=0.74 cfs 1,595 cf
n=0.400 L=341.0' S=0.0469 '/ Capacity=41.67 cfs Outflow=0.28 cfs 1,588 cf

Reach 9R: OVERLAND FLOW Avg. Flow Depth=0.19' Max Vel=0.20 fps Inflow=0.98 cfs 1,475 cf
n=0.400 L=380.0' S=0.0316 '/ Capacity=8.12 cfs Outflow=0.42 cfs 1,469 cf

Reach 10R: OVERLAND FLOW Avg. Flow Depth=0.35' Max Vel=0.39 fps Inflow=1.87 cfs 4,013 cf
n=0.240 L=200.0' S=0.0200 '/ Capacity=10.77 cfs Outflow=1.61 cfs 4,013 cf

Reach 11R: OVERLAND FLOW Avg. Flow Depth=0.05' Max Vel=0.08 fps Inflow=1.57 cfs 2,940 cf
n=0.400 L=920.0' S=0.0283 '/ Capacity=32.34 cfs Outflow=0.19 cfs 2,580 cf

Reach 12R: OVERLAND FLOW Avg. Flow Depth=0.18' Max Vel=0.17 fps Inflow=2.92 cfs 6,688 cf
n=0.400 L=300.0' S=0.0200 '/ Capacity=27.21 cfs Outflow=1.55 cfs 6,661 cf

Reach 13R: OVERLAND FLOW Avg. Flow Depth=0.07' Max Vel=0.07 fps Inflow=1.43 cfs 3,218 cf
n=0.400 L=660.0' S=0.0152 '/ Capacity=23.68 cfs Outflow=0.25 cfs 2,936 cf

Reach 14R: OVERLAND FLOW Avg. Flow Depth=0.44' Max Vel=0.35 fps Inflow=14.76 cfs 63,112 cf
n=0.400 L=800.0' S=0.0275 '/ Capacity=31.90 cfs Outflow=7.93 cfs 60,791 cf

Reach 15R: OVERLAND FLOW Avg. Flow Depth=0.57' Max Vel=0.35 fps Inflow=16.15 cfs 35,141 cf
n=0.400 L=300.0' S=0.0200 '/ Capacity=27.21 cfs Outflow=10.55 cfs 35,066 cf

Reach 16R: TRENCH DRAIN Avg. Flow Depth=0.43' Max Vel=3.00 fps Inflow=0.95 cfs 2,999 cf
12.0" Round Pipe n=0.013 L=61.4' S=0.0050 '/ Capacity=2.53 cfs Outflow=0.95 cfs 2,998 cf

Reach 17R: SWALE Avg. Flow Depth=0.77' Max Vel=0.81 fps Inflow=9.63 cfs 41,495 cf
n=0.240 L=640.0' S=0.0313 '/ Capacity=12.22 cfs Outflow=7.68 cfs 40,959 cf

Reach 18R: OVERLAND FLOW Avg. Flow Depth=0.54' Max Vel=0.52 fps Inflow=15.91 cfs 89,766 cf
n=0.400 L=120.0' S=0.0500 '/ Capacity=44.93 cfs Outflow=15.59 cfs 89,596 cf

Reach 19R: OVERLAND FLOW Avg. Flow Depth=0.59' Max Vel=0.26 fps Inflow=14.07 cfs 57,819 cf
n=0.400 L=500.0' S=0.0104 '/ Capacity=19.62 cfs Outflow=7.95 cfs 56,028 cf

Reach 20R: OVERLAND FLOW Avg. Flow Depth=0.26' Max Vel=0.29 fps Inflow=4.68 cfs 14,155 cf
n=0.400 L=225.0' S=0.0391 '/ Capacity=38.05 cfs Outflow=3.89 cfs 14,152 cf

Reach 21R: OVERLAND FLOW Avg. Flow Depth=0.24' Max Vel=0.10 fps Inflow=0.95 cfs 2,998 cf
n=0.400 L=115.0' S=0.0052 '/ Capacity=6.85 cfs Outflow=0.53 cfs 2,937 cf

Reach 22R: CROSS PIPE Avg. Flow Depth=0.87' Max Vel=9.56 fps Inflow=12.52 cfs 94,744 cf
24.0" Round Pipe n=0.013 L=35.0' S=0.0200 '/ Capacity=31.99 cfs Outflow=12.52 cfs 94,741 cf

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Reach 23R: OVERLAND FLOW Avg. Flow Depth=0.85' Max Vel=0.84 fps Inflow=12.52 cfs 94,741 cf
n=0.240 L=180.0' S=0.0278 '/' Capacity=16.59 cfs Outflow=12.45 cfs 94,498 cf

Reach R202: OVERLAND FLOW Avg. Flow Depth=0.71' Max Vel=0.29 fps Inflow=42.16 cfs 204,083 cf
n=0.400 L=700.0' S=0.0114 '/' Capacity=43.95 cfs Outflow=24.07 cfs 197,372 cf

Reach R211: OVERLAND FLOW Avg. Flow Depth=0.50' Max Vel=0.20 fps Inflow=13.61 cfs 36,352 cf
n=0.400 L=600.0' S=0.0078 '/' Capacity=17.03 cfs Outflow=5.21 cfs 35,779 cf

Pond CB1: CB#1 Peak Elev=208.45' Inflow=1.56 cfs 5,353 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0067 '/' Outflow=1.56 cfs 5,353 cf

Pond CB10: CB #10 Peak Elev=210.19' Inflow=1.10 cfs 4,034 cf
12.0" Round Culvert n=0.013 L=33.1' S=0.0051 '/' Outflow=1.10 cfs 4,034 cf

Pond CB11: CB #11 Peak Elev=211.46' Inflow=0.44 cfs 1,484 cf
12.0" Round Culvert n=0.013 L=17.4' S=0.0057 '/' Outflow=0.44 cfs 1,484 cf

Pond CB12: CB #12 Peak Elev=211.48' Inflow=0.47 cfs 1,596 cf
12.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.47 cfs 1,596 cf

Pond CB13: CB #13 Peak Elev=209.29' Inflow=1.29 cfs 4,327 cf
12.0" Round Culvert n=0.013 L=10.1' S=0.0050 '/' Outflow=1.29 cfs 4,327 cf

Pond CB14: CB #14 Peak Elev=209.31' Inflow=1.34 cfs 4,576 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=1.34 cfs 4,576 cf

Pond CB15: CB #15 Peak Elev=207.74' Inflow=0.61 cfs 2,049 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.61 cfs 2,049 cf

Pond CB16: CB #16 Peak Elev=207.67' Inflow=0.40 cfs 1,386 cf
12.0" Round Culvert n=0.013 L=14.0' S=0.0050 '/' Outflow=0.40 cfs 1,386 cf

Pond CB17: CB #17 Peak Elev=206.64' Inflow=1.83 cfs 6,154 cf
12.0" Round Culvert n=0.013 L=13.6' S=0.0074 '/' Outflow=1.83 cfs 6,154 cf

Pond CB18: CB #18 Peak Elev=206.62' Inflow=1.75 cfs 5,992 cf
12.0" Round Culvert n=0.013 L=17.7' S=0.0051 '/' Outflow=1.75 cfs 5,992 cf

Pond CB19: CB #19 Peak Elev=205.06' Inflow=1.30 cfs 4,377 cf
12.0" Round Culvert n=0.013 L=16.1' S=0.0050 '/' Outflow=1.30 cfs 4,377 cf

Pond CB2: CB#2 Peak Elev=205.75' Inflow=4.18 cfs 14,390 cf
15.0" Round Culvert n=0.013 L=108.6' S=0.0050 '/' Outflow=4.18 cfs 14,390 cf

Pond CB20: CB #20 Peak Elev=205.11' Inflow=1.56 cfs 5,415 cf
12.0" Round Culvert n=0.013 L=17.5' S=0.0051 '/' Outflow=1.56 cfs 5,415 cf

Pond CB21: CB #21 Peak Elev=201.65' Inflow=1.79 cfs 6,170 cf
12.0" Round Culvert n=0.013 L=19.7' S=0.0051 '/' Outflow=1.79 cfs 6,170 cf

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| Pond CB22: CB #22 | Peak Elev=201.67' Inflow=1.94 cfs 6,484 cf 12.0" Round Culvert n=0.013 L=18.0' S=0.0050 ' ' Outflow=1.94 cfs 6,484 cf |
| Pond CB23: CB #23 | Peak Elev=202.34' Inflow=3.82 cfs 13,161 cf 12.0" Round Culvert n=0.013 L=21.9' S=0.0100 ' ' Outflow=3.82 cfs 13,161 cf |
| Pond CB24: CB #24 | Peak Elev=202.45' Inflow=0.44 cfs 1,635 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0056 ' ' Outflow=0.44 cfs 1,635 cf |
| Pond CB25: CB #25 | Peak Elev=204.70' Inflow=0.45 cfs 1,652 cf 12.0" Round Culvert n=0.013 L=16.3' S=0.0074 ' ' Outflow=0.45 cfs 1,652 cf |
| Pond CB26: CB #26 | Peak Elev=204.78' Inflow=0.63 cfs 2,218 cf 12.0" Round Culvert n=0.013 L=14.9' S=0.0081 ' ' Outflow=0.63 cfs 2,218 cf |
| Pond CB27: CB #27 | Peak Elev=203.53' Inflow=2.61 cfs 9,298 cf 12.0" Round Culvert n=0.013 L=11.5' S=0.0052 ' ' Outflow=2.61 cfs 9,298 cf |
| Pond CB28: CB #28 | Peak Elev=203.92' Inflow=3.60 cfs 12,495 cf 12.0" Round Culvert n=0.013 L=11.6' S=0.0052 ' ' Outflow=3.60 cfs 12,495 cf |
| Pond CB29: CB #29 | Peak Elev=203.33' Inflow=0.35 cfs 1,220 cf 12.0" Round Culvert n=0.013 L=23.4' S=0.0056 ' ' Outflow=0.35 cfs 1,220 cf |
| Pond CB3: CB#3 | Peak Elev=210.43' Inflow=2.04 cfs 6,875 cf 12.0" Round Culvert n=0.013 L=17.4' S=0.0052 ' ' Outflow=2.04 cfs 6,875 cf |
| Pond CB30: CB #30 | Peak Elev=203.59' Inflow=1.12 cfs 3,754 cf 12.0" Round Culvert n=0.013 L=15.0' S=0.0087 ' ' Outflow=1.12 cfs 3,754 cf |
| Pond CB31: CB #31 | Peak Elev=204.28' Inflow=2.65 cfs 9,539 cf 12.0" Round Culvert n=0.013 L=39.2' S=0.0051 ' ' Outflow=2.65 cfs 9,539 cf |
| Pond CB32: CB #32 | Peak Elev=204.49' Inflow=3.02 cfs 10,389 cf 12.0" Round Culvert n=0.013 L=54.5' S=0.0051 ' ' Outflow=3.02 cfs 10,389 cf |
| Pond CB33: CB #33 | Peak Elev=205.75' Inflow=2.06 cfs 7,273 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0170 ' ' Outflow=2.06 cfs 7,273 cf |
| Pond CB34: CB #34 | Peak Elev=205.67' Inflow=1.59 cfs 5,780 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 ' ' Outflow=1.59 cfs 5,780 cf |
| Pond CB35: CB #35 | Peak Elev=205.68' Inflow=1.40 cfs 4,904 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' ' Outflow=1.40 cfs 4,904 cf |
| Pond CB36: CB #36 | Peak Elev=205.63' Inflow=1.06 cfs 3,921 cf 12.0" Round Culvert n=0.013 L=15.6' S=0.0051 ' ' Outflow=1.06 cfs 3,921 cf |
| Pond CB37: CB #37 | Peak Elev=200.15' Inflow=0.81 cfs 2,867 cf 12.0" Round Culvert n=0.013 L=28.7' S=0.0052 ' ' Outflow=0.81 cfs 2,867 cf |
| Pond CB38: CB #38 | Peak Elev=199.97' Inflow=0.49 cfs 1,800 cf 12.0" Round Culvert n=0.013 L=22.7' S=0.0053 ' ' Outflow=0.49 cfs 1,800 cf |

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| Pond CB39: CB #39 | Peak Elev=198.47' Inflow=4.02 cfs 13,828 cf 12.0" Round Culvert n=0.013 L=31.2' S=0.0061 '/' Outflow=4.02 cfs 13,828 cf |
| Pond CB4: CB#4 | Peak Elev=210.71' Inflow=2.97 cfs 10,953 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0055 '/' Outflow=2.97 cfs 10,953 cf |
| Pond CB40: CB #40 | Peak Elev=203.99' Inflow=0.99 cfs 3,608 cf 12.0" Round Culvert n=0.013 L=13.4' S=0.0052 '/' Outflow=0.99 cfs 3,608 cf |
| Pond CB41: CB #41 | Peak Elev=204.00' Inflow=1.08 cfs 3,860 cf 12.0" Round Culvert n=0.013 L=12.0' S=0.0050 '/' Outflow=1.08 cfs 3,860 cf |
| Pond CB42: CB #42 | Peak Elev=203.03' Inflow=10.48 cfs 36,807 cf 18.0" Round Culvert n=0.013 L=147.0' S=0.0050 '/' Outflow=10.48 cfs 36,807 cf |
| Pond CB43: CB #43 | Peak Elev=206.47' Inflow=1.13 cfs 3,827 cf 12.0" Round Culvert n=0.013 L=21.1' S=0.0052 '/' Outflow=1.13 cfs 3,827 cf |
| Pond CB44: CB #44 | Peak Elev=206.48' Inflow=1.17 cfs 3,950 cf 12.0" Round Culvert n=0.013 L=22.0' S=0.0050 '/' Outflow=1.17 cfs 3,950 cf |
| Pond CB45: CB #45 | Peak Elev=207.30' Inflow=0.81 cfs 2,850 cf 12.0" Round Culvert n=0.013 L=11.7' S=0.0068 '/' Outflow=0.81 cfs 2,850 cf |
| Pond CB46: CB #46 | Peak Elev=207.37' Inflow=1.34 cfs 4,610 cf 12.0" Round Culvert n=0.013 L=16.5' S=0.0073 '/' Outflow=1.34 cfs 4,610 cf |
| Pond CB47: CB #47 | Peak Elev=208.76' Inflow=0.50 cfs 1,826 cf 12.0" Round Culvert n=0.013 L=17.9' S=0.0050 '/' Outflow=0.50 cfs 1,826 cf |
| Pond CB48: CB #48 | Peak Elev=208.83' Inflow=0.71 cfs 2,603 cf 12.0" Round Culvert n=0.013 L=19.5' S=0.0051 '/' Outflow=0.71 cfs 2,603 cf |
| Pond CB49: CB #49 | Peak Elev=210.73' Inflow=0.25 cfs 915 cf 12.0" Round Culvert n=0.013 L=19.9' S=0.0121 '/' Outflow=0.25 cfs 915 cf |
| Pond CB5: CB#5 | Peak Elev=212.57' Inflow=0.36 cfs 1,310 cf 12.0" Round Culvert n=0.013 L=30.3' S=0.0053 '/' Outflow=0.36 cfs 1,310 cf |
| Pond CB50: CB #50 | Peak Elev=210.44' Inflow=0.32 cfs 1,152 cf 12.0" Round Culvert n=0.013 L=34.1' S=0.0053 '/' Outflow=0.32 cfs 1,152 cf |
| Pond CB51: CB #51 | Peak Elev=211.23' Inflow=1.89 cfs 6,720 cf 12.0" Round Culvert n=0.013 L=24.4' S=0.0049 '/' Outflow=1.89 cfs 6,720 cf |
| Pond CB52: CB #52 | Peak Elev=211.76' Inflow=3.34 cfs 11,417 cf 12.0" Round Culvert n=0.013 L=24.2' S=0.0050 '/' Outflow=3.34 cfs 11,417 cf |
| Pond CB53: CB #53 | Peak Elev=214.77' Inflow=1.23 cfs 4,368 cf 12.0" Round Culvert n=0.013 L=24.7' S=0.0065 '/' Outflow=1.23 cfs 4,368 cf |

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Pond CB54: CB #54Peak Elev=214.76' Inflow=0.74 cfs 2,646 cf
12.0" Round Culvert n=0.013 L=38.2' S=0.0094 ' Outflow=0.74 cfs 2,646 cf**Pond CB55: CB #55**Peak Elev=219.10' Inflow=3.17 cfs 10,457 cf
12.0" Round Culvert n=0.013 L=73.1' S=0.0052 ' Outflow=3.17 cfs 10,457 cf**Pond CB56: CB #56**Peak Elev=220.75' Inflow=0.97 cfs 3,339 cf
12.0" Round Culvert n=0.013 L=26.6' S=0.0060 ' Outflow=0.97 cfs 3,339 cf**Pond CB57: CB #57**Peak Elev=220.57' Inflow=0.46 cfs 1,598 cf
12.0" Round Culvert n=0.013 L=12.1' S=0.0149 ' Outflow=0.46 cfs 1,598 cf**Pond CB58: CB #58**Peak Elev=221.86' Inflow=0.26 cfs 909 cf
12.0" Round Culvert n=0.013 L=14.6' S=0.0055 ' Outflow=0.26 cfs 909 cf**Pond CB59: CB #59**Peak Elev=222.27' Inflow=0.31 cfs 1,099 cf
12.0" Round Culvert n=0.013 L=37.1' S=0.0129 ' Outflow=0.31 cfs 1,099 cf**Pond CB6: CB#6**Peak Elev=213.18' Inflow=0.69 cfs 2,270 cf
12.0" Round Culvert n=0.013 L=32.2' S=0.0152 ' Outflow=0.69 cfs 2,270 cf**Pond CB60: CB #60**Peak Elev=202.54' Inflow=0.66 cfs 2,444 cf
12.0" Round Culvert n=0.013 L=11.5' S=0.0052 ' Outflow=0.66 cfs 2,444 cf**Pond CB61: CB #61**Peak Elev=202.64' Inflow=1.27 cfs 4,513 cf
12.0" Round Culvert n=0.013 L=13.7' S=0.0270 ' Outflow=1.27 cfs 4,513 cf**Pond CB62: CB#62**Peak Elev=208.35' Inflow=1.04 cfs 3,445 cf
12.0" Round Culvert n=0.013 L=21.0' S=0.0052 ' Outflow=1.04 cfs 3,445 cf**Pond CB7: CB#7**Peak Elev=215.04' Inflow=1.47 cfs 5,289 cf
12.0" Round Culvert n=0.013 L=15.0' S=0.0053 ' Outflow=1.47 cfs 5,289 cf**Pond CB8: CB#8**Peak Elev=215.46' Inflow=2.13 cfs 8,004 cf
12.0" Round Culvert n=0.013 L=12.0' S=0.0050 ' Outflow=2.13 cfs 8,004 cf**Pond CB9: CB #9**Peak Elev=210.46' Inflow=1.31 cfs 4,402 cf
12.0" Round Culvert n=0.013 L=15.8' S=0.0051 ' Outflow=1.31 cfs 4,402 cf**Pond D1: DMH#1**Peak Elev=205.04' Inflow=15.96 cfs 57,889 cf
24.0" Round Culvert n=0.013 L=86.9' S=0.0052 ' Outflow=15.96 cfs 57,889 cf**Pond D10: DMH #10**Peak Elev=206.53' Inflow=4.59 cfs 15,581 cf
15.0" Round Culvert n=0.013 L=240.0' S=0.0050 ' Outflow=4.59 cfs 15,581 cf**Pond D11: DMH #11**Peak Elev=204.99' Inflow=7.45 cfs 25,373 cf
15.0" Round Culvert n=0.013 L=221.7' S=0.0050 ' Outflow=7.45 cfs 25,373 cf**Pond D12: DMH #12**Peak Elev=201.20' Inflow=7.45 cfs 25,373 cf
18.0" Round Culvert n=0.013 L=30.2' S=0.0050 ' Outflow=7.45 cfs 25,373 cf**Pond D13: DMH #13**Peak Elev=201.42' Inflow=3.73 cfs 12,654 cf
15.0" Round Culvert n=0.013 L=26.4' S=0.0049 ' Outflow=3.73 cfs 12,654 cf

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| Pond D14: DMH #14 | Peak Elev=205.50' Inflow=3.65 cfs 13,053 cf 15.0" Round Culvert n=0.013 L=139.7' S=0.0050 '/' Outflow=3.65 cfs 13,053 cf |
| Pond D15: DMH #15 | Peak Elev=204.78' Inflow=6.11 cfs 21,878 cf 18.0" Round Culvert n=0.013 L=161.8' S=0.0050 '/' Outflow=6.11 cfs 21,878 cf |
| Pond D16: DMH #16 | Peak Elev=205.57' Inflow=2.47 cfs 8,825 cf 12.0" Round Culvert n=0.013 L=110.6' S=0.0051 '/' Outflow=2.47 cfs 8,825 cf |
| Pond D17: DMH #17 | Peak Elev=203.92' Inflow=8.19 cfs 29,346 cf 18.0" Round Culvert n=0.013 L=129.0' S=0.0050 '/' Outflow=8.19 cfs 29,346 cf |
| Pond D18: DMH #18 | Peak Elev=202.21' Inflow=10.12 cfs 36,302 cf 24.0" Round Culvert n=0.013 L=150.4' S=0.0050 '/' Outflow=10.12 cfs 36,302 cf |
| Pond D19: DMH #19 | Peak Elev=199.80' Inflow=29.16 cfs 103,463 cf 24.0" Round Culvert n=0.013 L=20.0' S=0.0050 '/' Outflow=29.16 cfs 103,463 cf |
| Pond D2: DMH#2 | Peak Elev=208.28' Inflow=11.85 cfs 43,498 cf 18.0" Round Culvert n=0.013 L=77.2' S=0.0146 '/' Outflow=11.85 cfs 43,498 cf |
| Pond D20: DMH #20 | Peak Elev=197.85' Inflow=1.30 cfs 4,667 cf 12.0" Round Culvert n=0.013 L=131.9' S=0.0085 '/' Outflow=1.30 cfs 4,667 cf |
| Pond D21: DMH #21 | Peak Elev=197.36' Inflow=5.32 cfs 18,495 cf 15.0" Round Culvert n=0.013 L=75.6' S=0.0050 '/' Outflow=5.32 cfs 18,495 cf |
| Pond D22: DMH #22 | Peak Elev=196.63' Inflow=0.95 cfs 2,998 cf 12.0" Round Culvert n=0.013 L=11.1' S=0.0054 '/' Outflow=0.95 cfs 2,998 cf |
| Pond D23: DMH #23 | Peak Elev=201.30' Inflow=14.77 cfs 52,365 cf 24.0" Round Culvert n=0.013 L=231.7' S=0.0050 '/' Outflow=14.77 cfs 52,365 cf |
| Pond D24: DMH #24 | Peak Elev=202.69' Inflow=13.70 cfs 48,496 cf 24.0" Round Culvert n=0.013 L=261.4' S=0.0050 '/' Outflow=13.70 cfs 48,496 cf |
| Pond D25: DMH #25 | Peak Elev=203.31' Inflow=7.49 cfs 26,704 cf 18.0" Round Culvert n=0.013 L=139.0' S=0.0050 '/' Outflow=7.49 cfs 26,704 cf |
| Pond D26: DMH #26 | Peak Elev=203.86' Inflow=6.01 cfs 21,730 cf 18.0" Round Culvert n=0.013 L=130.0' S=0.0052 '/' Outflow=6.01 cfs 21,730 cf |
| Pond D27: DMH #27 | Peak Elev=206.41' Inflow=6.22 cfs 21,733 cf 15.0" Round Culvert n=0.013 L=101.4' S=0.0050 '/' Outflow=6.22 cfs 21,733 cf |
| Pond D28: DMH #28 | Peak Elev=207.25' Inflow=3.92 cfs 13,956 cf 15.0" Round Culvert n=0.013 L=134.2' S=0.0085 '/' Outflow=3.92 cfs 13,956 cf |
| Pond D29: DMH #29 | Peak Elev=208.59' Inflow=1.77 cfs 6,496 cf 15.0" Round Culvert n=0.013 L=194.7' S=0.0093 '/' Outflow=1.77 cfs 6,496 cf |

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| Pond D3: DMH#3 | Peak Elev=210.15' Inflow=9.29 cfs 34,701 cf 18.0" Round Culvert n=0.013 L=162.6' S=0.0155 '/ Outflow=9.29 cfs 34,701 cf |
| Pond D30: DMH #30 | Peak Elev=210.22' Inflow=0.57 cfs 2,067 cf 12.0" Round Culvert n=0.013 L=210.6' S=0.0069 '/ Outflow=0.57 cfs 2,067 cf |
| Pond D31: DMH #31 | Peak Elev=210.98' Inflow=12.35 cfs 42,553 cf 24.0" Round Culvert n=0.013 L=172.9' S=0.0050 '/ Outflow=12.35 cfs 42,553 cf |
| Pond D32: DMH #32 | Peak Elev=209.87' Inflow=12.35 cfs 42,553 cf 24.0" Round Culvert n=0.013 L=145.3' S=0.0050 '/ Outflow=12.35 cfs 42,553 cf |
| Pond D33: DMH #33 | Peak Elev=214.58' Inflow=7.13 cfs 24,416 cf 18.0" Round Culvert n=0.013 L=239.6' S=0.0151 '/ Outflow=7.13 cfs 24,416 cf |
| Pond D34: DMH #34 | Peak Elev=218.14' Inflow=5.17 cfs 17,402 cf 15.0" Round Culvert n=0.013 L=197.2' S=0.0165 '/ Outflow=5.17 cfs 17,402 cf |
| Pond D35: DMH #35 | Peak Elev=220.35' Inflow=2.01 cfs 6,945 cf 15.0" Round Culvert n=0.013 L=119.8' S=0.0184 '/ Outflow=2.01 cfs 6,945 cf |
| Pond D36: DMH #36 | Peak Elev=221.75' Inflow=0.58 cfs 2,008 cf 12.0" Round Culvert n=0.013 L=183.7' S=0.0073 '/ Outflow=0.58 cfs 2,008 cf |
| Pond D37: DMH #37 | Peak Elev=200.71' Inflow=10.48 cfs 36,807 cf 18.0" Round Culvert n=0.013 L=91.7' S=0.0050 '/ Outflow=10.48 cfs 36,807 cf |
| Pond D38: DMH #38 | Peak Elev=198.88' Inflow=12.03 cfs 39,942 cf 24.0" Round Culvert n=0.013 L=96.5' S=0.0050 '/ Outflow=12.03 cfs 39,942 cf |
| Pond D39: DMH #39 | Peak Elev=197.19' Inflow=0.95 cfs 2,998 cf 12.0" Round Culvert n=0.013 L=94.6' S=0.0050 '/ Outflow=0.95 cfs 2,998 cf |
| Pond D4: DMH#4 | Peak Elev=212.44' Inflow=4.52 cfs 16,873 cf 18.0" Round Culvert n=0.013 L=207.6' S=0.0146 '/ Outflow=4.52 cfs 16,873 cf |
| Pond D5: DMH#5 | Peak Elev=214.77' Inflow=3.50 cfs 13,293 cf 15.0" Round Culvert n=0.013 L=131.1' S=0.0137 '/ Outflow=3.50 cfs 13,293 cf |
| Pond D6: DMH #6 | Peak Elev=209.68' Inflow=2.41 cfs 8,436 cf 18.0" Round Culvert n=0.013 L=118.1' S=0.0050 '/ Outflow=2.41 cfs 8,436 cf |
| Pond D7: DMH #7 | Peak Elev=209.12' Inflow=3.32 cfs 11,516 cf 18.0" Round Culvert n=0.013 L=302.5' S=0.0050 '/ Outflow=3.32 cfs 11,516 cf |
| Pond D8: DMH #8 | Peak Elev=207.76' Inflow=5.96 cfs 20,419 cf 18.0" Round Culvert n=0.013 L=91.3' S=0.0055 '/ Outflow=5.96 cfs 20,419 cf |
| Pond D9: DMH #9 | Peak Elev=207.65' Inflow=1.01 cfs 3,435 cf 12.0" Round Culvert n=0.013 L=277.2' S=0.0152 '/ Outflow=1.01 cfs 3,435 cf |
| Pond DE1: DRIP #1 | Peak Elev=224.65' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |

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| Pond DE10: DRIP #10 | Peak Elev=213.84' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE11: DRIP #11 | Peak Elev=213.26' Storage=344 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,073 cf Primary=0.39 cfs 857 cf Outflow=0.41 cfs 1,930 cf |
| Pond DE12: DRIP #12 | Peak Elev=212.56' Storage=344 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,073 cf Primary=0.39 cfs 857 cf Outflow=0.41 cfs 1,930 cf |
| Pond DE13: DRIP #13 | Peak Elev=211.50' Storage=272 cf Inflow=0.46 cfs 1,643 cf Discarded=0.02 cfs 905 cf Primary=0.35 cfs 738 cf Outflow=0.37 cfs 1,643 cf |
| Pond DE14: DRIP #14 | Peak Elev=210.71' Storage=249 cf Inflow=0.39 cfs 1,388 cf Discarded=0.01 cfs 840 cf Primary=0.30 cfs 548 cf Outflow=0.32 cfs 1,387 cf |
| Pond DE15: DRIP #15 | Peak Elev=210.34' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE16: DRIP #16 | Peak Elev=209.35' 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 DE17: DRIP #17 | Peak Elev=208.64' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE18: DRIP #18 | Peak Elev=207.65' 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 DE19: DRIP #19 | Peak Elev=206.94' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE2: DRIP #2 | Peak Elev=224.04' 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 DE20: DRIP #20 | Peak Elev=205.99' Storage=267 cf Inflow=0.48 cfs 1,721 cf Discarded=0.06 cfs 1,365 cf Primary=0.30 cfs 356 cf Outflow=0.35 cfs 1,721 cf |
| Pond DE21: DRIP #21 | Peak Elev=204.97' Storage=230 cf Inflow=0.38 cfs 1,334 cf Discarded=0.06 cfs 1,143 cf Primary=0.18 cfs 191 cf Outflow=0.24 cfs 1,334 cf |
| Pond DE22: DRIP #22 | Peak Elev=204.52' Storage=224 cf Inflow=0.36 cfs 1,236 cf Discarded=0.06 cfs 1,067 cf Primary=0.17 cfs 169 cf Outflow=0.22 cfs 1,236 cf |
| Pond DE23: DRIP #23 | Peak Elev=204.91' Storage=216 cf Inflow=0.38 cfs 1,288 cf Discarded=0.05 cfs 1,069 cf Primary=0.21 cfs 218 cf Outflow=0.26 cfs 1,288 cf |
| Pond DE24: DRIP #24 | Peak Elev=205.38' Storage=346 cf Inflow=0.53 cfs 1,820 cf Discarded=0.06 cfs 1,503 cf Primary=0.26 cfs 316 cf Outflow=0.32 cfs 1,820 cf |
| Pond DE25: DRIP #25 | Peak Elev=206.20' Storage=292 cf Inflow=0.47 cfs 1,622 cf Discarded=0.02 cfs 909 cf Primary=0.35 cfs 712 cf Outflow=0.37 cfs 1,622 cf |

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| Pond DE26: DRIP #26 | Peak Elev=206.63' Storage=260 cf Inflow=0.37 cfs 1,275 cf Discarded=0.02 cfs 822 cf Primary=0.28 cfs 454 cf Outflow=0.29 cfs 1,275 cf |
| Pond DE27: DRIP #27 | Peak Elev=207.39' Storage=140 cf Inflow=0.38 cfs 1,308 cf Discarded=0.01 cfs 687 cf Primary=0.30 cfs 621 cf Outflow=0.31 cfs 1,308 cf |
| Pond DE28: DRIP #28 | Peak Elev=208.77' Storage=345 cf Inflow=0.54 cfs 1,958 cf Discarded=0.02 cfs 1,091 cf Primary=0.39 cfs 867 cf Outflow=0.41 cfs 1,958 cf |
| Pond DE29: DRIP #29 | Peak Elev=208.51' Storage=207 cf Inflow=0.46 cfs 1,667 cf Discarded=0.02 cfs 855 cf Primary=0.35 cfs 811 cf Outflow=0.37 cfs 1,666 cf |
| Pond DE3: DRIP #3 | Peak Elev=222.50' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE30: DRIP #30 | Peak Elev=209.42' Storage=287 cf Inflow=0.54 cfs 1,958 cf Discarded=0.02 cfs 1,033 cf Primary=0.39 cfs 925 cf Outflow=0.41 cfs 1,958 cf |
| Pond DE31: DRIP #31 | Peak Elev=210.16' Storage=344 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,073 cf Primary=0.39 cfs 857 cf Outflow=0.41 cfs 1,930 cf |
| Pond DE32: DRIP #32 | Peak Elev=211.00' Storage=272 cf Inflow=0.46 cfs 1,643 cf Discarded=0.02 cfs 905 cf Primary=0.35 cfs 738 cf Outflow=0.37 cfs 1,643 cf |
| Pond DE33: DRIP #33 | Peak Elev=211.84' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE34: DRIP #34 | Peak Elev=212.84' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE35: DRIP #35 | Peak Elev=213.40' Storage=272 cf Inflow=0.46 cfs 1,643 cf Discarded=0.02 cfs 905 cf Primary=0.35 cfs 738 cf Outflow=0.37 cfs 1,643 cf |
| Pond DE36: DRIP #36 | Peak Elev=214.36' Storage=344 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,073 cf Primary=0.39 cfs 857 cf Outflow=0.41 cfs 1,930 cf |
| Pond DE37: DRIP #37 | Peak Elev=214.56' Storage=344 cf Inflow=0.54 cfs 1,931 cf Discarded=0.02 cfs 1,073 cf Primary=0.39 cfs 857 cf Outflow=0.41 cfs 1,930 cf |
| Pond DE38: DRIP #39 | Peak Elev=214.00' Storage=272 cf Inflow=0.46 cfs 1,643 cf Discarded=0.02 cfs 905 cf Primary=0.35 cfs 738 cf Outflow=0.37 cfs 1,643 cf |
| Pond DE39: DRIP #39 | 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 DE4: DRIP #4 | Peak Elev=220.65' Storage=344 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,059 cf Primary=0.39 cfs 844 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE40: DRIP #40 | Peak Elev=214.50' Storage=248 cf Inflow=0.39 cfs 1,348 cf Discarded=0.01 cfs 816 cf Primary=0.30 cfs 532 cf Outflow=0.31 cfs 1,348 cf |
| Pond DE41: DRIP #41 | Peak Elev=213.40' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |

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| Pond DE42: DRIP #42 | Peak Elev=212.40' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE43: DRIP #43 | Peak Elev=209.64' 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 DE44: DRIP #44 | Peak Elev=209.30' Storage=248 cf Inflow=0.39 cfs 1,348 cf Discarded=0.01 cfs 816 cf Primary=0.30 cfs 532 cf Outflow=0.31 cfs 1,348 cf |
| Pond DE45: DRIP #45 | Peak Elev=209.93' Storage=295 cf Inflow=0.48 cfs 1,696 cf Discarded=0.02 cfs 948 cf Primary=0.36 cfs 748 cf Outflow=0.37 cfs 1,696 cf |
| Pond DE46: DRIP #46 | Peak Elev=210.15' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE47: DRIP #47 | Peak Elev=210.00' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE48: DRIP #48 | Peak Elev=211.13' Storage=295 cf Inflow=0.48 cfs 1,696 cf Discarded=0.02 cfs 948 cf Primary=0.36 cfs 748 cf Outflow=0.37 cfs 1,696 cf |
| Pond DE49: DRIP #49 | Peak Elev=211.85' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE5: DRIP #5 | Peak Elev=220.50' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE50: DRIP #50 | Peak Elev=213.00' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE51: DRIP #51 | Peak Elev=213.95' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE52: DRIP #52 | Peak Elev=214.85' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE53: DRIP #53 | Peak Elev=215.53' Storage=295 cf Inflow=0.48 cfs 1,696 cf Discarded=0.02 cfs 948 cf Primary=0.36 cfs 748 cf Outflow=0.37 cfs 1,696 cf |
| Pond DE54: DRIP #54 | Peak Elev=216.40' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE55: DRIP #55 | Peak Elev=217.45' Storage=343 cf Inflow=0.54 cfs 1,903 cf Discarded=0.02 cfs 1,057 cf Primary=0.39 cfs 846 cf Outflow=0.40 cfs 1,903 cf |
| Pond DE56: DRIP #56 | Peak Elev=218.50' Storage=271 cf Inflow=0.46 cfs 1,620 cf Discarded=0.02 cfs 891 cf Primary=0.35 cfs 728 cf Outflow=0.37 cfs 1,619 cf |
| Pond DE57: DRIP #57 | Peak Elev=219.30' Storage=248 cf Inflow=0.39 cfs 1,348 cf Discarded=0.01 cfs 816 cf Primary=0.30 cfs 532 cf Outflow=0.31 cfs 1,348 cf |

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| Pond DE58: DRIP #58 | Peak Elev=219.24' 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 DE59: DRIP #59 | Peak Elev=218.05' Storage=262 cf Inflow=0.38 cfs 1,314 cf Discarded=0.02 cfs 844 cf Primary=0.28 cfs 470 cf Outflow=0.30 cfs 1,314 cf |
| Pond DE6: DRIP #6 | Peak Elev=213.04' Storage=296 cf Inflow=0.48 cfs 1,721 cf Discarded=0.02 cfs 962 cf Primary=0.36 cfs 758 cf Outflow=0.38 cfs 1,720 cf |
| Pond DE60: DRIP #60 | Peak Elev=216.83' Storage=295 cf Inflow=0.48 cfs 1,696 cf Discarded=0.02 cfs 948 cf Primary=0.36 cfs 748 cf Outflow=0.37 cfs 1,696 cf |
| Pond DE61: DRIP #61 | Peak Elev=213.72' Storage=270 cf Inflow=0.86 cfs 3,019 cf Discarded=0.03 cfs 1,410 cf Primary=0.72 cfs 1,609 cf Outflow=0.74 cfs 3,019 cf |
| Pond DE62: DRIP #62 | Peak Elev=212.02' Storage=270 cf Inflow=0.86 cfs 3,019 cf Discarded=0.03 cfs 1,410 cf Primary=0.72 cfs 1,609 cf Outflow=0.74 cfs 3,019 cf |
| Pond DE63: DRIP #63 | Peak Elev=213.72' Storage=270 cf Inflow=0.86 cfs 3,019 cf Discarded=0.03 cfs 1,410 cf Primary=0.72 cfs 1,609 cf Outflow=0.74 cfs 3,019 cf |
| Pond DE64: DRIP #64 | Peak Elev=209.71' Storage=489 cf Inflow=1.16 cfs 4,192 cf Discarded=0.03 cfs 1,994 cf Primary=0.91 cfs 2,198 cf Outflow=0.94 cfs 4,192 cf |
| Pond DE65: DRIP #65 | Peak Elev=208.76' Storage=205 cf Inflow=0.68 cfs 2,419 cf Discarded=0.02 cfs 1,184 cf Primary=0.58 cfs 1,234 cf Outflow=0.60 cfs 2,418 cf |
| Pond DE66: DRIP #66 | Peak Elev=207.33' Storage=271 cf Inflow=0.86 cfs 3,063 cf Discarded=0.03 cfs 1,435 cf Primary=0.72 cfs 1,628 cf Outflow=0.75 cfs 3,063 cf |
| Pond DE67: DRIP #67 | Peak Elev=205.43' Storage=271 cf Inflow=0.86 cfs 3,063 cf Discarded=0.03 cfs 1,435 cf Primary=0.72 cfs 1,628 cf Outflow=0.75 cfs 3,063 cf |
| Pond DE68: DRIP #68 | Peak Elev=206.44' Storage=272 cf Inflow=0.87 cfs 3,194 cf Discarded=0.03 cfs 1,523 cf Primary=0.73 cfs 1,671 cf Outflow=0.75 cfs 3,194 cf |
| Pond DE69: DRIP #69 | Peak Elev=206.43' Storage=271 cf Inflow=0.86 cfs 3,063 cf Discarded=0.03 cfs 1,435 cf Primary=0.72 cfs 1,628 cf Outflow=0.75 cfs 3,063 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=207.33' Storage=271 cf Inflow=0.86 cfs 3,063 cf Discarded=0.03 cfs 1,435 cf Primary=0.72 cfs 1,628 cf Outflow=0.75 cfs 3,063 cf |
| Pond DE71: DRIP #71 | Peak Elev=207.81' Storage=416 cf Inflow=1.16 cfs 4,192 cf Discarded=0.03 cfs 1,921 cf Primary=0.91 cfs 2,270 cf Outflow=0.94 cfs 4,192 cf |
| Pond DE8: DRIP #8 | Peak Elev=214.10' Storage=272 cf Inflow=0.46 cfs 1,643 cf Discarded=0.02 cfs 905 cf Primary=0.35 cfs 738 cf Outflow=0.37 cfs 1,643 cf |
| Pond DE9: DRIP #9 | Peak Elev=214.31' Storage=434 cf Inflow=0.54 cfs 1,931 cf Discarded=0.03 cfs 1,297 cf Primary=0.33 cfs 633 cf Outflow=0.35 cfs 1,930 cf |

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Pond DEB1: DRIP #B1 Peak Elev=204.54' Storage=2,073 cf Inflow=3.57 cfs 12,846 cf
Discarded=0.39 cfs 9,710 cf Primary=1.60 cfs 3,134 cf Outflow=1.99 cfs 12,845 cf

Pond DEB2: DRIP #B2 Peak Elev=204.92' Storage=2,019 cf Inflow=3.47 cfs 12,501 cf
Discarded=0.10 cfs 5,941 cf Primary=2.61 cfs 6,558 cf Outflow=2.70 cfs 12,499 cf

Pond DEB3: DRIP #B3 Peak Elev=204.10' Storage=1,909 cf Inflow=3.51 cfs 12,518 cf
Discarded=0.35 cfs 8,830 cf Primary=2.05 cfs 3,687 cf Outflow=2.40 cfs 12,517 cf

Pond DEB4: DRIP #B4 Peak Elev=204.00' Storage=1,913 cf Inflow=3.51 cfs 12,633 cf
Discarded=0.36 cfs 9,049 cf Primary=2.08 cfs 3,583 cf Outflow=2.45 cfs 12,632 cf

Pond DECH: DRIP #CH Peak Elev=205.49' Storage=635 cf Inflow=1.01 cfs 3,652 cf
Discarded=0.04 cfs 1,849 cf Primary=0.53 cfs 1,802 cf Outflow=0.56 cfs 3,652 cf

Pond P204: STORMTECH INFILTRATION Peak Elev=196.81' Storage=5,772 cf Inflow=7.26 cfs 25,053 cf
Discarded=0.22 cfs 10,894 cf Primary=4.68 cfs 14,155 cf Outflow=4.90 cfs 25,049 cf

Pond P205: INFILTRATION POND #5 Peak Elev=199.25' Storage=28,156 cf Inflow=25.61 cfs 117,265 cf
Discarded=0.52 cfs 20,741 cf Primary=15.91 cfs 89,766 cf Outflow=16.44 cfs 110,508 cf

Pond P206: INFILTRATION POND #4 Peak Elev=196.97' Storage=7,397 cf Inflow=11.82 cfs 40,647 cf
Discarded=1.14 cfs 29,702 cf Primary=8.68 cfs 10,939 cf Outflow=9.82 cfs 40,641 cf

Pond P207: INFILTRATION POND #3 Peak Elev=194.97' Storage=37,822 cf Inflow=30.11 cfs 107,238 cf
Discarded=0.88 cfs 46,611 cf Primary=14.53 cfs 48,829 cf Outflow=15.41 cfs 95,440 cf

Pond P210: INFILTRATION POND #1 Peak Elev=205.49' Storage=9,389 cf Inflow=17.81 cfs 59,395 cf
Discarded=0.40 cfs 21,957 cf Primary=16.15 cfs 35,141 cf Outflow=16.55 cfs 57,098 cf

Pond P212: INFILTRATION POND #2 Peak Elev=202.99' Storage=25,736 cf Inflow=19.52 cfs 85,077 cf
Discarded=0.67 cfs 33,602 cf Primary=13.61 cfs 36,352 cf Outflow=14.28 cfs 69,954 cf

Link AP1: ANALYSIS POINT 1 Inflow=1.19 cfs 3,942 cf
Primary=1.19 cfs 3,942 cf

Link AP2: ANALYSIS POINT 2 Inflow=57.84 cfs 382,365 cf
Primary=57.84 cfs 382,365 cf

Link AP3: ANALYSIS POINT 3 Inflow=7.06 cfs 21,983 cf
Primary=7.06 cfs 21,983 cf

Link AP4: ANALYSIS POINT #4 Inflow=108.83 cfs 616,721 cf
Primary=108.83 cfs 616,721 cf

Total Runoff Area = 2,581,745 sf Runoff Volume = 1,349,405 cf Average Runoff Depth = 6.27"
74.35% Pervious = 1,919,618 sf 25.65% Impervious = 662,127 sf

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Summary for Subcatchment B1: MULTIFAMILY BLDG #1

Runoff = 3.57 cfs @ 12.09 hrs, Volume= 12,846 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 |
|-----------|----|-------------------------------|
| 15,945 | 98 | Roofs, HSG D |
| 2,035 | 80 | >75% Grass cover, Good, HSG D |
| 17,980 | 96 | Weighted Average |
| 2,035 | | 11.32% Pervious Area |
| 15,945 | | 88.68% 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 = 3.47 cfs @ 12.09 hrs, Volume= 12,501 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 |
|-----------|----|-------------------------------|
| 15,778 | 98 | Roofs, HSG D |
| 1,720 | 80 | >75% Grass cover, Good, HSG D |
| 17,498 | 96 | Weighted Average |
| 1,720 | | 9.83% Pervious Area |
| 15,778 | | 90.17% Impervious Area |

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

Summary for Subcatchment B3: MULTIFAMILY BLDG #3

Runoff = 3.51 cfs @ 12.09 hrs, Volume= 12,518 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
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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,144 | 98 | Roofs, HSG A |
| 461 | 39 | >75% Grass cover, Good, HSG A |
| 11,799 | 98 | Roofs, HSG D |
| 1,368 | 80 | >75% Grass cover, Good, HSG D |
| 17,772 | 95 | Weighted Average |
| 1,829 | | 10.29% Pervious Area |
| 15,943 | | 89.71% Impervious Area |

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

Summary for Subcatchment B4: MULTIFAMILY BLDG #4

Runoff = 3.51 cfs @ 12.09 hrs, Volume= 12,633 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 |
|-----------|----|-------------------------------|
| 77 | 98 | Roofs, HSG A |
| 33 | 39 | >75% Grass cover, Good, HSG A |
| 15,701 | 98 | Roofs, HSG D |
| 1,871 | 80 | >75% Grass cover, Good, HSG D |
| 17,682 | 96 | Weighted Average |
| 1,904 | | 10.77% Pervious Area |
| 15,778 | | 89.23% 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 = 1.56 cfs @ 12.12 hrs, Volume= 5,353 cf, Depth> 6.00"

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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 6,654 | 61 | >75% Grass cover, Good, HSG B |
| 4,052 | 98 | Paved parking, HSG B |
| 10,706 | 75 | Weighted Average |
| 6,654 | | 62.15% Pervious Area |
| 4,052 | | 37.85% Impervious Area |

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| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.2 | 10 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.2 | 35 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 8.5 | 95 | Total | | | |

Summary for Subcatchment C10: CB #44

Runoff = 1.10 cfs @ 12.09 hrs, Volume= 4,034 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 |
|-----------|----|-------------------------|
| 4,687 | 98 | Paved parking, HSG C |
| 805 | 98 | Paved parking, HSG D |
| 5,492 | 98 | Weighted Average |
| 5,492 | | 100.00% Impervious Area |

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

Summary for Subcatchment C11: CB #47

Runoff = 0.44 cfs @ 12.09 hrs, Volume= 1,484 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 |
|-----------|----|-------------------------------|
| 1,095 | 74 | >75% Grass cover, Good, HSG C |
| 1,286 | 98 | Paved parking, HSG C |
| 2,381 | 87 | Weighted Average |
| 1,095 | | 45.99% Pervious Area |
| 1,286 | | 54.01% 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 C12: CB #48

Runoff = 0.47 cfs @ 12.09 hrs, Volume= 1,596 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 |
|-----------|----|-------------------------------|
| 893 | 74 | >75% Grass cover, Good, HSG C |
| 1,587 | 98 | Paved parking, HSG C |
| 2,480 | 89 | Weighted Average |
| 893 | | 36.01% Pervious Area |
| 1,587 | | 63.99% Impervious Area |

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

Summary for Subcatchment C13: CB #49

Runoff = 1.29 cfs @ 12.09 hrs, Volume= 4,327 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 |
|-----------|----|-------------------------------|
| 3,091 | 74 | >75% Grass cover, Good, HSG C |
| 3,851 | 98 | Paved parking, HSG C |
| 6,942 | 87 | Weighted Average |
| 3,091 | | 44.53% Pervious Area |
| 3,851 | | 55.47% Impervious Area |

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

Summary for Subcatchment C14: CB #50

Runoff = 1.34 cfs @ 12.09 hrs, Volume= 4,576 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 |
|-----------|----|-------------------------------|
| 2,319 | 74 | >75% Grass cover, Good, HSG C |
| 4,680 | 98 | Paved parking, HSG C |
| 6,999 | 90 | Weighted Average |
| 2,319 | | 33.13% Pervious Area |
| 4,680 | | 66.87% 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 C15: CB #15

Runoff = 0.61 cfs @ 12.09 hrs, Volume= 2,049 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 |
|-----------|----|-------------------------------|
| 1,335 | 74 | >75% Grass cover, Good, HSG C |
| 1,900 | 98 | Paved parking, HSG C |
| 3,235 | 88 | Weighted Average |
| 1,335 | | 41.27% Pervious Area |
| 1,900 | | 58.73% 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 = 0.40 cfs @ 12.09 hrs, Volume= 1,386 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 |
|-----------|----|-------------------------------|
| 587 | 74 | >75% Grass cover, Good, HSG C |
| 1,500 | 98 | Paved parking, HSG C |
| 2,087 | 91 | Weighted Average |
| 587 | | 28.13% Pervious Area |
| 1,500 | | 71.87% Impervious Area |

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

Summary for Subcatchment C17: CB #17

Runoff = 1.83 cfs @ 12.09 hrs, Volume= 6,154 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,896 | 74 | >75% Grass cover, Good, HSG C |
| 5,818 | 98 | Paved parking, HSG C |
| 9,714 | 88 | Weighted Average |
| 3,896 | | 40.11% Pervious Area |
| 5,818 | | 59.89% 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 = 1.75 cfs @ 12.09 hrs, Volume= 5,992 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 |
|-----------|----|-------------------------------|
| 3,142 | 74 | >75% Grass cover, Good, HSG C |
| 6,023 | 98 | Paved parking, HSG C |
| 9,165 | 90 | Weighted Average |
| 3,142 | | 34.28% Pervious Area |
| 6,023 | | 65.72% Impervious Area |

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

Summary for Subcatchment C19: CB #19

Runoff = 1.30 cfs @ 12.09 hrs, Volume= 4,377 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 |
|-----------|----|-------------------------------|
| 2,957 | 74 | >75% Grass cover, Good, HSG C |
| 3,953 | 98 | Paved parking, HSG C |
| 6,910 | 88 | Weighted Average |
| 2,957 | | 42.79% Pervious Area |
| 3,953 | | 57.21% 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 C2: CB #2

Runoff = 4.18 cfs @ 12.09 hrs, Volume= 14,390 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 |
|-----------|----|-------------------------------|
| 4,319 | 61 | >75% Grass cover, Good, HSG B |
| 16,432 | 98 | Paved parking, HSG B |
| 392 | 98 | Roofs, HSG D |
| 531 | 98 | Paved parking, HSG D |
| 21,674 | 91 | Weighted Average |
| 4,319 | | 19.93% Pervious Area |
| 17,355 | | 80.07% 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 = 1.56 cfs @ 12.09 hrs, Volume= 5,415 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 |
|-----------|----|-------------------------------|
| 2,145 | 74 | >75% Grass cover, Good, HSG C |
| 5,889 | 98 | Paved parking, HSG C |
| 8,034 | 92 | Weighted Average |
| 2,145 | | 26.70% Pervious Area |
| 5,889 | | 73.30% 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 = 1.79 cfs @ 12.09 hrs, Volume= 6,170 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"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 790 | 39 | >75% Grass cover, Good, HSG A |
| 5,569 | 98 | Paved parking, HSG A |
| 392 | 98 | Roofs, HSG A |
| 803 | 74 | >75% Grass cover, Good, HSG C |
| 1,739 | 98 | Paved parking, HSG C |
| 9,293 | 91 | Weighted Average |
| 1,593 | | 17.14% Pervious Area |
| 7,700 | | 82.86% Impervious Area |

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

Summary for Subcatchment C22: CB #22

Runoff = 1.94 cfs @ 12.09 hrs, Volume= 6,484 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 |
|-----------|----|-------------------------------|
| 1,806 | 39 | >75% Grass cover, Good, HSG A |
| 7,407 | 98 | Paved parking, HSG A |
| 147 | 74 | >75% Grass cover, Good, HSG C |
| 1,043 | 98 | Paved parking, HSG C |
| 10,403 | 87 | Weighted Average |
| 1,953 | | 18.77% Pervious Area |
| 8,450 | | 81.23% 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 = 3.82 cfs @ 12.09 hrs, Volume= 13,161 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 |
|-----------|----|-------------------------------|
| 2,167 | 39 | >75% Grass cover, Good, HSG A |
| 15,545 | 98 | Paved parking, HSG A |
| 996 | 80 | >75% Grass cover, Good, HSG D |
| 1,114 | 98 | Paved parking, HSG D |
| 19,822 | 91 | Weighted Average |
| 3,163 | | 15.96% Pervious Area |
| 16,659 | | 84.04% 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 C24: CB #24

Runoff = 0.44 cfs @ 12.09 hrs, Volume= 1,635 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 | 39 | >75% Grass cover, Good, HSG A |
| 1,173 | 98 | Paved parking, HSG A |
| 729 | 98 | Roofs, HSG A |
| 321 | 98 | Paved parking, HSG D |
| 2,226 | 98 | Weighted Average |
| 3 | | 0.13% Pervious Area |
| 2,223 | | 99.87% 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 = 0.45 cfs @ 12.09 hrs, Volume= 1,652 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 |
|-----------|----|-------------------------|
| 1,421 | 98 | Paved parking, HSG A |
| 299 | 98 | Paved parking, HSG C |
| 529 | 98 | Paved parking, HSG D |
| 2,249 | 98 | Weighted Average |
| 2,249 | | 100.00% 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 = 0.63 cfs @ 12.09 hrs, Volume= 2,218 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 |
|-----------|----|-------------------------------|
| 4 | 39 | >75% Grass cover, Good, HSG A |
| 895 | 98 | Paved parking, HSG A |
| 686 | 80 | >75% Grass cover, Good, HSG D |
| 1,609 | 98 | Paved parking, HSG D |
| 3,194 | 94 | Weighted Average |
| 690 | | 21.60% Pervious Area |
| 2,504 | | 78.40% Impervious Area |

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

Summary for Subcatchment C27: CB #27

Runoff = 2.61 cfs @ 12.09 hrs, Volume= 9,298 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 |
|-----------|----|-------------------------------|
| 1,513 | 74 | >75% Grass cover, Good, HSG C |
| 4,982 | 98 | Paved parking, HSG C |
| 6,705 | 98 | Paved parking, HSG D |
| 13,200 | 95 | Weighted Average |
| 1,513 | | 11.46% Pervious Area |
| 11,687 | | 88.54% 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 = 3.60 cfs @ 12.09 hrs, Volume= 12,495 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 |
|-----------|----|-------------------------------|
| 1,630 | 74 | >75% Grass cover, Good, HSG C |
| 3,245 | 98 | Paved parking, HSG C |
| 4,081 | 80 | >75% Grass cover, Good, HSG D |
| 9,580 | 98 | Paved parking, HSG D |
| 18,536 | 92 | Weighted Average |
| 5,711 | | 30.81% Pervious Area |
| 12,825 | | 69.19% 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 C29: CB #29

Runoff = 0.35 cfs @ 12.09 hrs, Volume= 1,220 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 |
|-----------|----|-------------------------------|
| 534 | 74 | >75% Grass cover, Good, HSG C |
| 1,303 | 98 | Paved parking, HSG C |
| 1,837 | 91 | Weighted Average |
| 534 | | 29.07% Pervious Area |
| 1,303 | | 70.93% 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 = 2.04 cfs @ 12.09 hrs, Volume= 6,875 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 |
|-----------|----|-------------------------------|
| 2,813 | 61 | >75% Grass cover, Good, HSG B |
| 8,040 | 98 | Paved parking, HSG B |
| 10,853 | 88 | Weighted Average |
| 2,813 | | 25.92% Pervious Area |
| 8,040 | | 74.08% 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 = 1.12 cfs @ 12.09 hrs, Volume= 3,754 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,793 | 74 | >75% Grass cover, Good, HSG C |
| 3,230 | 98 | Paved parking, HSG C |
| 6,023 | 87 | Weighted Average |
| 2,793 | | 46.37% Pervious Area |
| 3,230 | | 53.63% Impervious Area |

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

Summary for Subcatchment C31: CB #31

Runoff = 2.65 cfs @ 12.09 hrs, Volume= 9,539 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 |
|-----------|----|-------------------------------|
| 634 | 74 | >75% Grass cover, Good, HSG C |
| 2,972 | 98 | Paved parking, HSG C |
| 764 | 80 | >75% Grass cover, Good, HSG D |
| 8,982 | 98 | Paved parking, HSG D |
| 13,352 | 96 | Weighted Average |
| 1,398 | | 10.47% Pervious Area |
| 11,954 | | 89.53% 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 = 3.02 cfs @ 12.09 hrs, Volume= 10,389 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 |
|-----------|----|-------------------------------|
| 4,858 | 74 | >75% Grass cover, Good, HSG C |
| 6,672 | 98 | Paved parking, HSG C |
| 26 | 80 | >75% Grass cover, Good, HSG D |
| 4,091 | 98 | Paved parking, HSG D |
| 15,647 | 91 | Weighted Average |
| 4,884 | | 31.21% Pervious Area |
| 10,763 | | 68.79% 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 C33: CB #33

Runoff = 2.06 cfs @ 12.09 hrs, Volume= 7,273 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 |
|-----------|----|-------------------------------|
| 2,168 | 80 | >75% Grass cover, Good, HSG D |
| 8,307 | 98 | Paved parking, HSG D |
| 10,475 | 94 | Weighted Average |
| 2,168 | | 20.70% Pervious Area |
| 8,307 | | 79.30% Impervious Area |

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

Summary for Subcatchment C34: CB #34

Runoff = 1.59 cfs @ 12.09 hrs, Volume= 5,780 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 |
|-----------|----|-------------------------------|
| 312 | 80 | >75% Grass cover, Good, HSG D |
| 5,678 | 98 | Paved parking, HSG D |
| 1,988 | 98 | Roofs, HSG D |
| 7,978 | 97 | Weighted Average |
| 312 | | 3.91% Pervious Area |
| 7,666 | | 96.09% 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 = 1.40 cfs @ 12.09 hrs, Volume= 4,904 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 |
|-----------|----|-------------------------------|
| 1,925 | 80 | >75% Grass cover, Good, HSG D |
| 5,243 | 98 | Paved parking, HSG D |
| 7,168 | 93 | Weighted Average |
| 1,925 | | 26.86% Pervious Area |
| 5,243 | | 73.14% 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 = 1.06 cfs @ 12.09 hrs, Volume= 3,921 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 |
|-----------|----|-------------------------------|
| 132 | 80 | >75% Grass cover, Good, HSG D |
| 5,206 | 98 | Paved parking, HSG D |
| 5,338 | 98 | Weighted Average |
| 132 | | 2.47% Pervious Area |
| 5,206 | | 97.53% Impervious Area |

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

Summary for Subcatchment C37: CB #37

Runoff = 0.81 cfs @ 12.09 hrs, Volume= 2,867 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 |
|-----------|----|-------------------------------|
| 962 | 80 | >75% Grass cover, Good, HSG D |
| 3,168 | 98 | Paved parking, HSG D |
| 4,130 | 94 | Weighted Average |
| 962 | | 23.29% Pervious Area |
| 3,168 | | 76.71% 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 C38: CB #38

Runoff = 0.49 cfs @ 12.09 hrs, Volume= 1,800 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 |
|-----------|----|-------------------------|
| 2,450 | 98 | Paved parking, HSG D |
| 2,450 | | 100.00% Impervious Area |

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

Summary for Subcatchment C39: CB #39

Runoff = 4.02 cfs @ 12.09 hrs, Volume= 13,828 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 |
|-----------|----|-------------------------------|
| 7,541 | 80 | >75% Grass cover, Good, HSG D |
| 12,710 | 98 | Paved parking, HSG D |
| 576 | 98 | Roofs, HSG D |
| 20,827 | 91 | Weighted Average |
| 7,541 | | 36.21% Pervious Area |
| 13,286 | | 63.79% 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 = 2.97 cfs @ 12.15 hrs, Volume= 10,953 cf, Depth> 6.12"

Runoff 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 |
|-----------|----|-------------------------------|
| 12,820 | 61 | >75% Grass cover, Good, HSG B |
| 8,652 | 98 | Paved parking, HSG B |
| 21,472 | 76 | Weighted Average |
| 12,820 | | 59.71% Pervious Area |
| 8,652 | | 40.29% 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 |
|-------------|------------------|------------------|----------------------|-------------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.7 | 40 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 285 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 10.7 | 375 | Total | | | |

Summary for Subcatchment C40: CB #40

Runoff = 0.99 cfs @ 12.09 hrs, Volume= 3,608 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 |
|-----------|----|-------------------------------|
| 356 | 80 | >75% Grass cover, Good, HSG D |
| 4,624 | 98 | Paved parking, HSG D |
| 4,980 | 97 | Weighted Average |
| 356 | | 7.15% Pervious Area |
| 4,624 | | 92.85% 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 = 1.08 cfs @ 12.09 hrs, Volume= 3,860 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 |
|-----------|----|-------------------------------|
| 821 | 80 | >75% Grass cover, Good, HSG D |
| 4,659 | 98 | Paved parking, HSG D |
| 5,480 | 95 | Weighted Average |
| 821 | | 14.98% Pervious Area |
| 4,659 | | 85.02% 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 C42: CB #42

Runoff = 8.61 cfs @ 12.11 hrs, Volume= 29,537 cf, Depth> 6.86"

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 |
|-----------|----|-------------------------------|
| 1,274 | 39 | >75% Grass cover, Good, HSG A |
| 42,220 | 80 | >75% Grass cover, Good, HSG D |
| 8,142 | 98 | Paved parking, HSG D |
| 51,636 | 82 | Weighted Average |
| 43,494 | | 84.23% Pervious Area |
| 8,142 | | 15.77% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 3.9 | 50 | 0.0500 | 0.22 | | Sheet Flow, Grass: Short n= 0.150 P2= 3.27" |
| 0.4 | 40 | 0.0500 | 1.57 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 3.5 | 210 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 7.8 | 300 | Total | | | |

Summary for Subcatchment C43: CB #43

Runoff = 1.13 cfs @ 12.09 hrs, Volume= 3,827 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 |
|-----------|----|-------------------------------|
| 2,274 | 74 | >75% Grass cover, Good, HSG C |
| 3,672 | 98 | Paved parking, HSG C |
| 5,946 | 89 | Weighted Average |
| 2,274 | | 38.24% Pervious Area |
| 3,672 | | 61.76% 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 = 1.17 cfs @ 12.09 hrs, Volume= 3,950 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,662 | 74 | >75% Grass cover, Good, HSG C |
| 3,574 | 98 | Paved parking, HSG C |
| 6,236 | 88 | Weighted Average |
| 2,662 | | 42.69% Pervious Area |
| 3,574 | | 57.31% 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 = 0.81 cfs @ 12.09 hrs, Volume= 2,850 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 |
|-----------|----|-------------------------------|
| 686 | 74 | >75% Grass cover, Good, HSG C |
| 3,419 | 98 | Paved parking, HSG C |
| 4,105 | 94 | Weighted Average |
| 686 | | 16.71% Pervious Area |
| 3,419 | | 83.29% Impervious Area |

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

Summary for Subcatchment C46: CB #46

Runoff = 1.34 cfs @ 12.09 hrs, Volume= 4,610 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 |
|-----------|----|-------------------------------|
| 2,100 | 74 | >75% Grass cover, Good, HSG C |
| 4,843 | 98 | Paved parking, HSG C |
| 6,943 | 91 | Weighted Average |
| 2,100 | | 30.25% Pervious Area |
| 4,843 | | 69.75% 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 C47: CB #47

Runoff = 0.50 cfs @ 12.09 hrs, Volume= 1,826 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 |
|-----------|----|-------------------------|
| 2,486 | 98 | Paved parking, HSG C |
| 2,486 | | 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 = 0.71 cfs @ 12.09 hrs, Volume= 2,603 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 |
|-----------|----|-------------------------|
| 3,544 | 98 | Paved parking, HSG C |
| 3,544 | | 100.00% Impervious Area |

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

Summary for Subcatchment C49: CB #49

Runoff = 0.25 cfs @ 12.09 hrs, Volume= 915 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,194 | 98 | Paved parking, HSG C |
| 1,263 | 97 | Weighted Average |
| 69 | | 5.46% Pervious Area |
| 1,194 | | 94.54% 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 C5: CB #5

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,310 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 |
|-----------|----|-------------------------|
| 913 | 98 | Paved parking, HSG B |
| 870 | 98 | Paved parking, HSG D |
| 1,783 | 98 | Weighted Average |
| 1,783 | | 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 = 0.32 cfs @ 12.09 hrs, Volume= 1,152 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 |
|-----------|----|-------------------------------|
| 69 | 74 | >75% Grass cover, Good, HSG C |
| 1,521 | 98 | Paved parking, HSG C |
| 1,590 | 97 | Weighted Average |
| 69 | | 4.34% Pervious Area |
| 1,521 | | 95.66% Impervious Area |

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

Summary for Subcatchment C51: CB #51

Runoff = 1.89 cfs @ 12.09 hrs, Volume= 6,720 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 |
|-----------|----|-------------------------------|
| 609 | 61 | >75% Grass cover, Good, HSG B |
| 7,760 | 98 | Paved parking, HSG B |
| 125 | 74 | >75% Grass cover, Good, HSG C |
| 1,047 | 98 | Paved parking, HSG C |
| 9,541 | 95 | Weighted Average |
| 734 | | 7.69% Pervious Area |
| 8,807 | | 92.31% 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 C52: CB #52

Runoff = 3.34 cfs @ 12.09 hrs, Volume= 11,417 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 |
|-----------|----|-------------------------------|
| 3,737 | 61 | >75% Grass cover, Good, HSG B |
| 12,747 | 98 | Paved parking, HSG B |
| 127 | 74 | >75% Grass cover, Good, HSG C |
| 851 | 98 | Paved parking, HSG C |
| 17,462 | 90 | Weighted Average |
| 3,864 | | 22.13% Pervious Area |
| 13,598 | | 77.87% Impervious Area |

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

Summary for Subcatchment C53: CB #53

Runoff = 1.23 cfs @ 12.09 hrs, Volume= 4,368 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 |
|-----------|----|-------------------------------|
| 504 | 61 | >75% Grass cover, Good, HSG B |
| 5,698 | 98 | Paved parking, HSG B |
| 6,202 | 95 | Weighted Average |
| 504 | | 8.13% Pervious Area |
| 5,698 | | 91.87% Impervious Area |

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

Summary for Subcatchment C54: CB #54

Runoff = 0.74 cfs @ 12.09 hrs, Volume= 2,646 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 |
|-----------|----|-------------------------------|
| 316 | 61 | >75% Grass cover, Good, HSG B |
| 3,440 | 98 | Paved parking, HSG B |
| 3,756 | 95 | Weighted Average |
| 316 | | 8.41% Pervious Area |
| 3,440 | | 91.59% Impervious Area |

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

Summary for Subcatchment C55: CB #55

Runoff = 3.17 cfs @ 12.10 hrs, Volume= 10,457 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 |
|-----------|----|-------------------------------|
| 10,044 | 61 | >75% Grass cover, Good, HSG B |
| 9,274 | 98 | Paved parking, HSG B |
| 19,318 | 79 | Weighted Average |
| 10,044 | | 51.99% Pervious Area |
| 9,274 | | 48.01% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 0.8 | 70 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 6.9 | 120 | Total | | | |

Summary for Subcatchment C56: CB #56

Runoff = 0.97 cfs @ 12.09 hrs, Volume= 3,339 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 |
|-----------|----|-------------------------------|
| 1,015 | 61 | >75% Grass cover, Good, HSG B |
| 4,014 | 98 | Paved parking, HSG B |
| 5,029 | 91 | Weighted Average |
| 1,015 | | 20.18% Pervious Area |
| 4,014 | | 79.82% 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 C57: CB #57

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,598 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 |
|-----------|----|-------------------------------|
| 369 | 61 | >75% Grass cover, Good, HSG B |
| 2,001 | 98 | Paved parking, HSG B |
| 2,370 | 92 | Weighted Average |
| 369 | | 15.57% Pervious Area |
| 2,001 | | 84.43% Impervious Area |

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

Summary for Subcatchment C58: CB #58

Runoff = 0.26 cfs @ 12.09 hrs, Volume= 909 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,119 | 98 | Paved parking, HSG B |
| 1,348 | 92 | Weighted Average |
| 229 | | 16.99% Pervious Area |
| 1,119 | | 83.01% Impervious Area |

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

Summary for Subcatchment C59: CB #59

Runoff = 0.31 cfs @ 12.09 hrs, Volume= 1,099 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 |
|-----------|----|-------------------------------|
| 229 | 61 | >75% Grass cover, Good, HSG B |
| 1,378 | 98 | Paved parking, HSG B |
| 1,607 | 93 | Weighted Average |
| 229 | | 14.25% Pervious Area |
| 1,378 | | 85.75% 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 = 0.69 cfs @ 12.09 hrs, Volume= 2,270 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 |
|-----------|----|-------------------------------|
| 1,084 | 61 | >75% Grass cover, Good, HSG B |
| 1,285 | 98 | Paved parking, HSG B |
| 955 | 98 | Paved parking, HSG D |
| 442 | 80 | >75% Grass cover, Good, HSG D |
| 3,766 | 85 | Weighted Average |
| 1,526 | | 40.52% Pervious Area |
| 2,240 | | 59.48% Impervious Area |

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

Summary for Subcatchment C60: CB #60

Runoff = 0.66 cfs @ 12.09 hrs, Volume= 2,444 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 |
|-----------|----|-------------------------|
| 3,327 | 98 | Paved parking, HSG D |
| 3,327 | | 100.00% 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 C61: CB #61

Runoff = 1.27 cfs @ 12.09 hrs, Volume= 4,513 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 |
|-----------|----|-------------------------------|
| 965 | 80 | >75% Grass cover, Good, HSG D |
| 5,442 | 98 | Paved parking, HSG D |
| 6,407 | 95 | Weighted Average |
| 965 | | 15.06% Pervious Area |
| 5,442 | | 84.94% Impervious Area |

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

Summary for Subcatchment C62: CB #62

Runoff = 1.04 cfs @ 12.09 hrs, Volume= 3,445 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 |
|-----------|----|-------------------------------|
| 2,010 | 61 | >75% Grass cover, Good, HSG B |
| 3,704 | 98 | Paved parking, HSG B |
| 5,714 | 85 | Weighted Average |
| 2,010 | | 35.18% Pervious Area |
| 3,704 | | 64.82% Impervious Area |

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

Summary for Subcatchment C64: CB #64

Runoff = 0.95 cfs @ 12.09 hrs, Volume= 2,999 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 4,231 | 39 | >75% Grass cover, Good, HSG A |
| 2,773 | 98 | Paved parking, HSG A |
| 86 | 80 | >75% Grass cover, Good, HSG D |
| 465 | 98 | Paved parking, HSG D |
| 7,555 | 65 | Weighted Average |
| 4,317 | | 57.14% Pervious Area |
| 3,238 | | 42.86% 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 = 1.47 cfs @ 12.09 hrs, Volume= 5,289 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 |
|-----------|----|-------------------------------|
| 376 | 61 | >75% Grass cover, Good, HSG B |
| 7,027 | 98 | Paved parking, HSG B |
| 7,403 | 96 | Weighted Average |
| 376 | | 5.08% Pervious Area |
| 7,027 | | 94.92% Impervious Area |

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

Summary for Subcatchment C8: CB #8

Runoff = 2.13 cfs @ 12.14 hrs, Volume= 8,004 cf, Depth> 7.47"

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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,838 | 61 | >75% Grass cover, Good, HSG B |
| 9,011 | 98 | Paved parking, HSG B |
| 12,849 | 87 | Weighted Average |
| 3,838 | | 29.87% Pervious Area |
| 9,011 | | 70.13% 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 |
|----------|---------------|---------------|-------------------|----------------|--|
| 8.1 | 50 | 0.0200 | 0.10 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 1.3 | 80 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 65 | 0.0150 | 2.49 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 9.8 | 195 | Total | | | |

Summary for Subcatchment C9: CB #45

Runoff = 1.31 cfs @ 12.09 hrs, Volume= 4,402 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 |
|-----------|----|-------------------------------|
| 3,207 | 74 | >75% Grass cover, Good, HSG C |
| 3,855 | 98 | Paved parking, HSG C |
| 7,062 | 87 | Weighted Average |
| 3,207 | | 45.41% Pervious Area |
| 3,855 | | 54.59% Impervious Area |

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

Summary for Subcatchment CH1: CLUBHOUSE

Runoff = 1.01 cfs @ 12.09 hrs, Volume= 3,652 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 |
|-----------|----|-------------------------------|
| 4,476 | 98 | Roofs, HSG D |
| 636 | 80 | >75% Grass cover, Good, HSG D |
| 5,112 | 96 | Weighted Average |
| 636 | | 12.44% Pervious Area |
| 4,476 | | 87.56% 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 H1: SF #1

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H10: SF #10

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

| 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= 1,931 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 |

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

Summary for Subcatchment H12: SF #12

Runoff = 0.54 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 H13: SF #13

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,643 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.39 cfs @ 12.09 hrs, Volume= 1,388 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG C |
| 268 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 95 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.48 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H16: SF #16

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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Summary for Subcatchment H17: SF #17

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.38 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 H19: SF #19

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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 = 0.48 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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= 1,334 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"

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| 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 H22: SF #22

Runoff = 0.36 cfs @ 12.09 hrs, Volume= 1,236 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 |
|-----------|----|-------------------------------|
| 1,631 | 98 | Roofs, HSG A |
| 290 | 39 | >75% Grass cover, Good, HSG A |
| 1,921 | 89 | 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 H23: SF #23

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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG A |
| 268 | 39 | >75% Grass cover, Good, HSG A |
| 1,970 | 90 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H24: SF #24

Runoff = 0.53 cfs @ 12.09 hrs, Volume= 1,820 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 |
| 322 | 39 | >75% Grass cover, Good, HSG A |
| 2,741 | 91 | 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 H25: SF #25

Runoff = 0.47 cfs @ 12.09 hrs, Volume= 1,622 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 |
|-----------|----|-------------------------------|
| 2,032 | 98 | Roofs, HSG A |
| 283 | 39 | >75% Grass cover, Good, HSG A |
| 121 | 98 | Roofs, HSG C |
| 7 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 91 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.37 cfs @ 12.09 hrs, Volume= 1,275 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 988 | 98 | Roofs, HSG A |
| 207 | 39 | >75% Grass cover, Good, HSG A |
| 643 | 98 | Roofs, HSG C |
| 83 | 74 | >75% Grass cover, Good, HSG C |
| 1,921 | 91 | 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 H27: SF #27

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,308 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 |
|-----------|----|-------------------------------|
| 810 | 98 | Roofs, HSG A |
| 190 | 39 | >75% Grass cover, Good, HSG A |
| 892 | 98 | Roofs, HSG C |
| 78 | 74 | >75% Grass cover, Good, HSG C |
| 1,970 | 91 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H28: SF #28

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,958 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 |
|-----------|----|-------------------------------|
| 683 | 98 | Roofs, HSG C |
| 38 | 74 | >75% Grass cover, Good, HSG C |
| 1,736 | 98 | Roofs, HSG D |
| 284 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H29: SF #29

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,667 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 |
|-----------|----|-------------------------------|
| 424 | 98 | Roofs, HSG C |
| 40 | 74 | >75% Grass cover, Good, HSG C |
| 1,639 | 98 | Roofs, HSG D |
| 230 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 96 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

| 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= 1,958 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 |
|-----------|----|-------------------------------|
| 1,988 | 98 | Roofs, HSG C |
| 175 | 74 | >75% Grass cover, Good, HSG C |
| 431 | 98 | Roofs, HSG D |
| 147 | 80 | >75% Grass cover, Good, HSG D |
| 2,741 | 96 | 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= 1,931 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 H32: SF #32

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,643 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H33: SF #33

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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.48 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H35: SF #35

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,643 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H36: SF #36

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 |
| 319 | 74 | >75% Grass cover, Good, HSG C |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 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 H37: SF #37

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 H38: SF #38

Runoff = 0.46 cfs @ 12.09 hrs, Volume= 1,643 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.38 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 H4: SF #4

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 323 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 323 | | 11.78% Pervious Area |
| 2,418 | | 88.22% 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 H40: SF #40

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,348 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 = 0.46 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 3 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H42: SF #42

Runoff = 0.46 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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,033 | 98 | Roofs, HSG B |
| 202 | 61 | >75% Grass cover, Good, HSG B |
| 30 | 98 | Roofs, HSG D |
| 68 | 80 | >75% Grass cover, Good, HSG D |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 = 0.37 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 |
| 282 | 61 | >75% Grass cover, Good, HSG B |
| 8 | 80 | >75% Grass cover, Good, HSG D |
| 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 H44: SF #44

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,348 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% 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 H45: SF #45

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,696 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H47: SF #47

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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 1,696 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H49: SF #49

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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, |

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Type III 24-hr 100YR Rainfall=9.06"

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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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H50: SF #50

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H51: SF #51

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | Weighted Average |
| 322 | | 11.75% Pervious Area |
| 2,419 | | 88.25% 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 H52: SF #52

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H53: SF #53

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,696 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H54: SF #54

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"

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Type III 24-hr 100YR Rainfall=9.06"

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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% Impervious Area |

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

Summary for Subcatchment H55: SF #55

Runoff = 0.54 cfs @ 12.09 hrs, Volume= 1,903 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 |
| 322 | 61 | >75% Grass cover, Good, HSG B |
| 2,741 | 94 | 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 H56: SF #56

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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG B |
| 270 | 61 | >75% Grass cover, Good, HSG B |
| 2,333 | 94 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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 H57: SF #57

Runoff = 0.39 cfs @ 12.09 hrs, Volume= 1,348 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 |
|-----------|----|-------------------------------|
| 1,702 | 98 | Roofs, HSG B |
| 268 | 61 | >75% Grass cover, Good, HSG B |
| 1,970 | 93 | Weighted Average |
| 268 | | 13.60% Pervious Area |
| 1,702 | | 86.40% Impervious Area |

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

Summary for Subcatchment H58: SF #58

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 H59: SF #59

Runoff = 0.38 cfs @ 12.09 hrs, Volume= 1,314 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 |
|-----------|----|-------------------------------|
| 1,624 | 98 | Roofs, HSG B |
| 267 | 61 | >75% Grass cover, Good, HSG B |
| 7 | 98 | Roofs, HSG D |
| 23 | 80 | >75% Grass cover, Good, HSG D |
| 1,921 | 93 | 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 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG C |
| 290 | 74 | >75% Grass cover, Good, HSG C |
| 2,443 | 95 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% Impervious Area |

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

Summary for Subcatchment H60: SF #60

Runoff = 0.48 cfs @ 12.09 hrs, Volume= 1,696 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 |
|-----------|----|-------------------------------|
| 2,153 | 98 | Roofs, HSG B |
| 290 | 61 | >75% Grass cover, Good, HSG B |
| 2,443 | 94 | Weighted Average |
| 290 | | 11.87% Pervious Area |
| 2,153 | | 88.13% 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 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= 1,643 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 |
|-----------|----|-------------------------------|
| 2,063 | 98 | Roofs, HSG C |
| 270 | 74 | >75% Grass cover, Good, HSG C |
| 2,333 | 95 | Weighted Average |
| 270 | | 11.57% Pervious Area |
| 2,063 | | 88.43% 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= 1,931 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 |

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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 S201: ACCESS ROAD APRON

Runoff = 1.19 cfs @ 12.09 hrs, Volume= 3,942 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 |
|-----------|----|-------------------------------|
| 2,218 | 61 | >75% Grass cover, Good, HSG B |
| 4,321 | 98 | Paved parking, HSG B |
| 6,539 | 85 | Weighted Average |
| 2,218 | | 33.92% Pervious Area |
| 4,321 | | 66.08% Impervious Area |

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

Summary for Subcatchment S202: EXISTING WETLAND

Runoff = 42.16 cfs @ 12.29 hrs, Volume= 204,083 cf, Depth> 6.60"

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 |
|-----------|----|-------------------------------|
| 34,616 | 48 | Brush, Good, HSG B |
| 23,609 | 55 | Woods, Good, HSG B |
| 15,054 | 98 | Paved parking, HSG B |
| 22,380 | 98 | Water Surface, 0% imp, HSG B |
| 102,621 | 68 | 1 acre lots, 20% imp, HSG B |
| 4,867 | 74 | >75% Grass cover, Good, HSG C |
| 13,315 | 70 | Woods, Good, HSG C |
| 17,949 | 98 | Water Surface, 0% imp, HSG C |
| 1,086 | 73 | Brush, Good, HSG D |
| 14,917 | 77 | Woods, Good, HSG D |
| 107,657 | 98 | Water Surface, 0% imp, HSG D |
| 12,892 | 84 | 1 acre lots, 20% imp, HSG D |
| 370,963 | 80 | Weighted Average |
| 332,806 | | 89.71% Pervious Area |
| 38,157 | | 10.29% Impervious Area |

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| 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" |
| 1.7 | 170 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.8 | 60 | 0.0600 | 1.22 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.9 | 192 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.0 | 80 | 0.0400 | 1.40 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 11.1 | 470 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 1,037 | Total | | | |

Summary for Subcatchment S203: EXISTING WETLANDS

Runoff = 14.76 cfs @ 12.23 hrs, Volume= 63,112 cf, Depth> 5.50"

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 |
|-----------|----|-------------------------------|
| 16,240 | 48 | Brush, Good, HSG B |
| 31,422 | 55 | Woods, Good, HSG B |
| 3,360 | 98 | Water Surface, 0% imp, HSG B |
| 43,662 | 68 | 1 acre lots, 20% imp, HSG B |
| 2,053 | 74 | >75% Grass cover, Good, HSG C |
| 2,158 | 70 | Woods, Good, HSG C |
| 2,198 | 98 | Water Surface, 0% imp, HSG C |
| 3,001 | 73 | Brush, Good, HSG D |
| 5,288 | 77 | Woods, Good, HSG D |
| 28,424 | 98 | Water Surface, 0% imp, HSG D |
| 137,806 | 71 | Weighted Average |
| 129,074 | | 93.66% Pervious Area |
| 8,732 | | 6.34% Impervious Area |

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| 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" |
| 1.7 | 180 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 2.5 | 260 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 1.9 | 113 | 0.0400 | 1.00 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 5.2 | 220 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 16.6 | 838 | Total | | | |

Summary for Subcatchment S204: EXISTING WETLANDS

Runoff = 48.61 cfs @ 12.33 hrs, Volume= 240,429 cf, Depth> 4.87"

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 |
|-----------|----|------------------------------|
| 74,372 | 30 | Brush, Good, HSG A |
| 79,677 | 30 | Woods, Good, HSG A |
| 25,957 | 48 | Brush, Good, HSG B |
| 14,769 | 55 | Woods, Good, HSG B |
| 84 | 98 | Water Surface, 0% imp, HSG B |
| 29,368 | 65 | Brush, Good, HSG C |
| 15,547 | 70 | Woods, Good, HSG C |
| 9,983 | 98 | Water Surface, 0% imp, HSG C |
| 60,968 | 73 | Brush, Good, HSG D |
| 175,984 | 77 | Woods, Good, HSG D |
| 105,918 | 98 | Water Surface, 0% imp, HSG D |
| 592,627 | 66 | Weighted Average |
| 592,627 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|---|
| 6.1 | 50 | 0.0400 | 0.14 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.4 | 230 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 10.0 | 300 | 0.0100 | 0.50 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 3.0 | 200 | 0.0500 | 1.12 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 0.4 | 40 | 0.1000 | 1.58 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 23.9 | 820 | Total | | | |

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Summary for Subcatchment S205: CUL-DE-SAC INFILTRATION POND

Runoff = 2.91 cfs @ 12.09 hrs, Volume= 9,229 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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 25,952 | 61 | >75% Grass cover, Good, HSG B |
| 25,952 | | 100.00% Pervious Area |

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

Summary for Subcatchment S206: INFILTRATION POND #4

Runoff = 0.59 cfs @ 12.11 hrs, Volume= 2,401 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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 17,694 | 39 | >75% Grass cover, Good, HSG A |
| 17,694 | | 100.00% Pervious Area |

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

Summary for Subcatchment S207: INFILTRATION POND #3

Runoff = 0.99 cfs @ 12.11 hrs, Volume= 3,775 cf, Depth> 1.85"

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 |
|-----------|----|-------------------------------|
| 23,338 | 39 | >75% Grass cover, Good, HSG A |
| 729 | 98 | Roofs, HSG A |
| 353 | 80 | >75% Grass cover, Good, HSG D |
| 24,420 | 41 | Weighted Average |
| 23,691 | | 97.01% Pervious Area |
| 729 | | 2.99% 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 S208: ISOLATED WETLAND

Runoff = 6.39 cfs @ 12.09 hrs, Volume= 20,355 cf, Depth> 6.00"

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 100YR Rainfall=9.06"

| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 6,532 | 39 | >75% Grass cover, Good, HSG A |
| 811 | 30 | Woods, Good, HSG A |
| 2,395 | 98 | Water Surface, 0% imp, HSG A |
| 1,357 | 74 | >75% Grass cover, Good, HSG C |
| 346 | 98 | Water Surface, 0% imp, HSG C |
| 12,548 | 80 | >75% Grass cover, Good, HSG D |
| 10,640 | 77 | Woods, Good, HSG D |
| 6,063 | 98 | Water Surface, 0% imp, HSG D |
| 40,692 | 75 | Weighted Average |
| 40,692 | | 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: EXISTING WETLANDS

Runoff = 28.26 cfs @ 12.30 hrs, Volume= 135,664 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 |
|-----------|----|-------------------------------|
| 42,853 | 48 | Brush, Good, HSG B |
| 16,143 | 55 | Woods, Good, HSG B |
| 64,652 | 74 | >75% Grass cover, Good, HSG C |
| 37,510 | 70 | Woods, Good, HSG C |
| 95,456 | 98 | Water Surface, 0% imp, HSG C |
| 4,352 | 73 | Brush, Good, HSG D |
| 210 | 77 | Woods, Good, HSG D |
| 57 | 98 | Water Surface, 0% imp, HSG D |
| 261,233 | 77 | Weighted Average |
| 261,233 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 10.4 | 50 | 0.0300 | 0.08 | | Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.27" |
| 9.9 | 420 | 0.0200 | 0.71 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 1.5 | 80 | 0.0300 | 0.87 | | Shallow Concentrated Flow, Woodland Kv= 5.0 fps |
| 21.8 | 550 | Total | | | |

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment S210: INFILTRATION POND

Runoff = 4.79 cfs @ 12.09 hrs, Volume= 15,233 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 |
|-----------|----|-------------------------------|
| 14,132 | 61 | >75% Grass cover, Good, HSG B |
| 7,748 | 98 | Paved parking, HSG B |
| 9,213 | 74 | >75% Grass cover, Good, HSG C |
| 31,093 | 74 | Weighted Average |
| 23,345 | | 75.08% Pervious Area |
| 7,748 | | 24.92% Impervious Area |

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

Summary for Subcatchment S211: EXISTING WETLANDS

Runoff = 14.07 cfs @ 12.21 hrs, Volume= 57,819 cf, Depth> 5.75"

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 |
|-----------|----|-------------------------------|
| 18,256 | 39 | >75% Grass cover, Good, HSG A |
| 11,504 | 30 | Woods, Good, HSG A |
| 3,417 | 98 | Water Surface, 0% imp, HSG A |
| 20,570 | 74 | >75% Grass cover, Good, HSG C |
| 23,109 | 70 | Woods, Good, HSG C |
| 40,658 | 98 | Water Surface, 0% imp, HSG C |
| 2,091 | 80 | >75% Grass cover, Good, HSG D |
| 1,163 | 77 | Woods, Good, HSG D |
| 120,768 | 73 | Weighted Average |
| 120,768 | | 100.00% Pervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|----------|---------------|---------------|-------------------|----------------|--|
| 2.0 | 20 | 0.1000 | 0.16 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 4.1 | 30 | 0.0400 | 0.12 | | Sheet Flow, Grass: Dense n= 0.240 P2= 3.27" |
| 8.9 | 530 | 0.0200 | 0.99 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 15.0 | 580 | Total | | | |

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment S212: SWALE

Runoff = 5.98 cfs @ 12.36 hrs, Volume= 31,034 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 |
|-----------|----|-------------------------------|
| 63,598 | 74 | >75% Grass cover, Good, HSG C |
| 63,598 | | 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" |
| 7.4 | 220 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.7 | 70 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 4.4 | 130 | 0.0050 | 0.49 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 26.6 | 470 | Total | | | |

Summary for Subcatchment S213: OFFSITE

Runoff = 9.63 cfs @ 12.24 hrs, Volume= 41,495 cf, Depth> 4.88"

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 |
|-----------|----|-----------------------------|
| 8,519 | 48 | Brush, Good, HSG B |
| 467 | 55 | Woods, Good, HSG B |
| 93,140 | 68 | 1 acre lots, 20% imp, HSG B |
| 102,126 | 66 | Weighted Average |
| 83,498 | | 81.76% Pervious Area |
| 18,628 | | 18.24% 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 | 200 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 15 | 0.0600 | 4.97 | | Shallow Concentrated Flow, Paved Kv= 20.3 fps |
| 0.2 | 20 | 0.0600 | 1.71 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 9.6 | 700 | 0.0300 | 1.21 | | Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps |
| 17.0 | 985 | Total | | | |

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Subcatchment TH1: TOWN HOUSE #1

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 3,019 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.86 cfs @ 12.09 hrs, Volume= 3,063 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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= 4,192 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% 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 TH2: TOWN HOUSE #2

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 3,019 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 |
|-----------|----|-------------------------------|
| 3,844 | 98 | Roofs, HSG B |
| 34 | 98 | Roofs, HSG C |
| 372 | 61 | >75% Grass cover, Good, HSG B |
| 99 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.86 cfs @ 12.09 hrs, Volume= 3,019 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG B |
| 471 | 61 | >75% Grass cover, Good, HSG B |
| 4,349 | 94 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 1.16 cfs @ 12.09 hrs, Volume= 4,192 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 |
|-----------|----|-------------------------------|
| 5,263 | 98 | Roofs, HSG C |
| 605 | 74 | >75% Grass cover, Good, HSG C |
| 5,868 | 96 | Weighted Average |
| 605 | | 10.31% Pervious Area |
| 5,263 | | 89.69% Impervious Area |

| 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= 2,419 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 |
|-----------|----|-------------------------------|
| 3,030 | 98 | Roofs, HSG C |
| 404 | 74 | >75% Grass cover, Good, HSG C |
| 3,434 | 95 | Weighted Average |
| 404 | | 11.76% Pervious Area |
| 3,030 | | 88.24% 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 = 0.86 cfs @ 12.09 hrs, Volume= 3,063 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 TH7: TOWN HOUSE #7

Runoff = 0.86 cfs @ 12.09 hrs, Volume= 3,063 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 |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.87 cfs @ 12.09 hrs, Volume= 3,194 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 |
|-----------|----|------------------------------|
| 3,605 | 98 | Roofs, HSG C |
| 428 | 98 | Water Surface, 0% imp, HSG C |
| 273 | 98 | Roofs, HSG D |
| 43 | 98 | Water Surface, 0% imp, HSG D |
| 4,349 | 98 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% 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 = 0.86 cfs @ 12.09 hrs, Volume= 3,063 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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| Area (sf) | CN | Description |
|-----------|----|-------------------------------|
| 3,878 | 98 | Roofs, HSG C |
| 471 | 74 | >75% Grass cover, Good, HSG C |
| 4,349 | 95 | Weighted Average |
| 471 | | 10.83% Pervious Area |
| 3,878 | | 89.17% Impervious Area |

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

Summary for Reach 1R: OVERLAND FLOW

Inflow Area = 12,069 sf, 87.78% Impervious, Inflow Depth = 3.59" for 100YR event
 Inflow = 1.75 cfs @ 12.16 hrs, Volume= 3,608 cf
 Outflow = 0.11 cfs @ 13.16 hrs, Volume= 2,531 cf, Atten= 94%, Lag= 60.1 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= 430.7 min
 Avg. Velocity = 0.04 fps, Avg. Travel Time= 576.7 min

Peak Storage= 2,870 cf @ 13.16 hrs
 Average Depth at Peak Storage= 0.04' , Surface Width= 50.42'
 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, 88.13% Impervious, Inflow Depth = 3.72" for 100YR event
 Inflow = 0.36 cfs @ 12.16 hrs, Volume= 758 cf
 Outflow = 0.02 cfs @ 13.53 hrs, Volume= 463 cf, Atten= 95%, Lag= 82.4 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Max. Velocity= 0.03 fps, Min. Travel Time= 615.1 min
 Avg. Velocity = 0.02 fps, Avg. Travel Time= 735.2 min

Peak Storage= 626 cf @ 13.53 hrs
 Average Depth at Peak Storage= 0.01' , Surface Width= 50.14'
 Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 21.45 cfs

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Type III 24-hr 100YR Rainfall=9.06"

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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'



Summary for Reach 3R: OVERLAND FLOW

Inflow Area = 6,995 sf, 87.39% Impervious, Inflow Depth = 3.17" for 100YR event
Inflow = 0.96 cfs @ 12.16 hrs, Volume= 1,849 cf
Outflow = 0.20 cfs @ 12.62 hrs, Volume= 1,762 cf, Atten= 79%, Lag= 27.7 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= 101.8 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 219.9 min

Peak Storage= 1,218 cf @ 12.62 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 40.64'
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 = 16,890 sf, 87.66% Impervious, Inflow Depth = 3.34" for 100YR event
Inflow = 2.31 cfs @ 12.17 hrs, Volume= 4,707 cf
Outflow = 2.10 cfs @ 12.23 hrs, Volume= 4,707 cf, Atten= 9%, Lag= 4.0 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= 5.8 min
Avg. Velocity = 0.08 fps, Avg. Travel Time= 22.1 min

Peak Storage= 732 cf @ 12.23 hrs
Average Depth at Peak Storage= 0.14' , Surface Width= 51.44'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 54.42 cfs

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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= 100.0' Slope= 0.0800 '/'
Inlet Invert= 198.00', Outlet Invert= 190.00'



Summary for Reach 5R: OVERLAND FLOW

Inflow Area = 4,254 sf, 86.84% Impervious, Inflow Depth = 3.43" for 100YR event
Inflow = 0.64 cfs @ 12.15 hrs, Volume= 1,215 cf
Outflow = 0.05 cfs @ 12.92 hrs, Volume= 999 cf, Atten= 91%, Lag= 45.8 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= 281.2 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 400.1 min

Peak Storage= 925 cf @ 12.92 hrs
Average Depth at Peak Storage= 0.02' , Surface Width= 50.22'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.40 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= 826.0' Slope= 0.0266 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 6R: OVERLAND FLOW

Inflow Area = 12,118 sf, 88.02% Impervious, Inflow Depth = 3.67" for 100YR event
Inflow = 1.77 cfs @ 12.16 hrs, Volume= 3,702 cf
Outflow = 0.41 cfs @ 12.58 hrs, Volume= 3,546 cf, Atten= 77%, Lag= 25.5 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= 94.4 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 209.8 min

Peak Storage= 2,347 cf @ 12.58 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 50.72'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 34.58 cfs

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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= 650.0' Slope= 0.0323 '/'
Inlet Invert= 207.00', Outlet Invert= 186.00'



Summary for Reach 7R: OVERLAND FLOW

Inflow Area = 9,140 sf, 87.53% Impervious, Inflow Depth = 3.57" for 100YR event
Inflow = 1.35 cfs @ 12.15 hrs, Volume= 2,716 cf
Outflow = 0.37 cfs @ 12.54 hrs, Volume= 2,658 cf, Atten= 72%, Lag= 23.2 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.11 fps, Min. Travel Time= 73.3 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 171.8 min

Peak Storage= 1,634 cf @ 12.54 hrs
Average Depth at Peak Storage= 0.06' , Surface Width= 50.65'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 36.50 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= 500.0' Slope= 0.0360 '/'
Inlet Invert= 204.00', Outlet Invert= 186.00'



Summary for Reach 8R: OVERLAND FLOW

Inflow Area = 5,074 sf, 88.33% Impervious, Inflow Depth = 3.77" for 100YR event
Inflow = 0.74 cfs @ 12.16 hrs, Volume= 1,595 cf
Outflow = 0.28 cfs @ 12.50 hrs, Volume= 1,588 cf, Atten= 63%, Lag= 20.5 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= 52.1 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 120.0 min

Peak Storage= 860 cf @ 12.50 hrs
Average Depth at Peak Storage= 0.05' , Surface Width= 50.50'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 41.67 cfs

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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= 341.0' Slope= 0.0469 '/'
Inlet Invert= 202.00', Outlet Invert= 186.00'



Summary for Reach 9R: OVERLAND FLOW

Inflow Area = 8,728 sf, 86.71% Impervious, Inflow Depth = 2.03" for 100YR event
Inflow = 0.98 cfs @ 12.18 hrs, Volume= 1,475 cf
Outflow = 0.42 cfs @ 12.44 hrs, Volume= 1,469 cf, Atten= 57%, Lag= 15.4 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= 31.0 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 115.5 min

Peak Storage= 781 cf @ 12.44 hrs
Average Depth at Peak Storage= 0.19' , Surface Width= 11.88'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 8.12 cfs

10.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 380.0' Slope= 0.0316 '/'
Inlet Invert= 198.00', Outlet Invert= 186.00'



Summary for Reach 10R: OVERLAND FLOW

Inflow Area = 12,999 sf, 88.26% Impervious, Inflow Depth = 3.70" for 100YR event
Inflow = 1.87 cfs @ 12.16 hrs, Volume= 4,013 cf
Outflow = 1.61 cfs @ 12.26 hrs, Volume= 4,013 cf, Atten= 14%, Lag= 6.1 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.39 fps, Min. Travel Time= 8.5 min
Avg. Velocity = 0.08 fps, Avg. Travel Time= 40.3 min

Peak Storage= 817 cf @ 12.26 hrs
Average Depth at Peak Storage= 0.35' , Surface Width= 13.48'
Bank-Full Depth= 1.00' Flow Area= 15.0 sf, Capacity= 10.77 cfs

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10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass
Side Slope Z-value= 5.0 '/' Top Width= 20.00'
Length= 200.0' Slope= 0.0200 '/'
Inlet Invert= 209.00', Outlet Invert= 205.00'



Summary for Reach 11R: OVERLAND FLOW

Inflow Area = 10,588 sf, 86.70% Impervious, Inflow Depth = 3.33" for 100YR event
Inflow = 1.57 cfs @ 12.15 hrs, Volume= 2,940 cf
Outflow = 0.19 cfs @ 12.74 hrs, Volume= 2,580 cf, Atten= 88%, Lag= 35.0 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= 190.6 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 327.1 min

Peak Storage= 2,128 cf @ 12.74 hrs
Average Depth at Peak Storage= 0.05' , Surface Width= 50.46'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 32.34 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= 920.0' Slope= 0.0283 '/'
Inlet Invert= 212.00', Outlet Invert= 186.00'



Summary for Reach 12R: OVERLAND FLOW

Inflow Area = 18,000 sf, 89.16% Impervious, Inflow Depth = 4.46" for 100YR event
Inflow = 2.92 cfs @ 12.14 hrs, Volume= 6,688 cf
Outflow = 1.55 cfs @ 12.34 hrs, Volume= 6,661 cf, Atten= 47%, Lag= 12.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.17 fps, Min. Travel Time= 29.9 min
Avg. Velocity = 0.05 fps, Avg. Travel Time= 107.1 min

Peak Storage= 2,791 cf @ 12.34 hrs
Average Depth at Peak Storage= 0.18' , Surface Width= 51.83'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 27.21 cfs

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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 13R: OVERLAND FLOW

Inflow Area = 8,698 sf, 89.17% Impervious, Inflow Depth = 4.44" for 100YR event
Inflow = 1.43 cfs @ 12.14 hrs, Volume= 3,218 cf
Outflow = 0.25 cfs @ 12.61 hrs, Volume= 2,936 cf, Atten= 83%, Lag= 28.4 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= 147.8 min
Avg. Velocity = 0.04 fps, Avg. Travel Time= 287.9 min

Peak Storage= 2,185 cf @ 12.61 hrs
Average Depth at Peak Storage= 0.07' , Surface Width= 50.66'
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 = 137,806 sf, 6.34% Impervious, Inflow Depth > 5.50" for 100YR event
Inflow = 14.76 cfs @ 12.23 hrs, Volume= 63,112 cf
Outflow = 7.93 cfs @ 12.52 hrs, Volume= 60,791 cf, Atten= 46%, Lag= 17.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.35 fps, Min. Travel Time= 38.5 min
Avg. Velocity = 0.13 fps, Avg. Travel Time= 105.7 min

Peak Storage= 18,345 cf @ 12.52 hrs
Average Depth at Peak Storage= 0.44' , Surface Width= 54.39'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 31.90 cfs

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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= 800.0' Slope= 0.0275 '/'
Inlet Invert= 208.00', Outlet Invert= 186.00'



Summary for Reach 15R: OVERLAND FLOW

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth = 4.13" for 100YR event
Inflow = 16.15 cfs @ 12.12 hrs, Volume= 35,141 cf
Outflow = 10.55 cfs @ 12.25 hrs, Volume= 35,066 cf, Atten= 35%, Lag= 7.6 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Max. Velocity= 0.35 fps, Min. Travel Time= 14.3 min
Avg. Velocity = 0.09 fps, Avg. Travel Time= 58.6 min

Peak Storage= 9,071 cf @ 12.25 hrs
Average Depth at Peak Storage= 0.57' , Surface Width= 55.72'
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: TRENCH DRAIN

[52] Hint: Inlet/Outlet conditions not evaluated

[90] Warning: Qout>Qin may require smaller dt or Finer Routing

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 4.76" for 100YR event
Inflow = 0.95 cfs @ 12.09 hrs, Volume= 2,999 cf
Outflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 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= 3.00 fps, Min. Travel Time= 0.3 min
Avg. Velocity = 1.10 fps, Avg. Travel Time= 0.9 min

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Peak Storage= 20 cf @ 12.10 hrs

Average Depth at Peak Storage= 0.43' , Surface Width= 0.99'

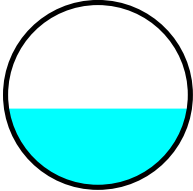
Bank-Full Depth= 1.00' Flow Area= 0.8 sf, Capacity= 2.53 cfs

12.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 61.4' Slope= 0.0050 '/'

Inlet Invert= 197.00', Outlet Invert= 196.69'



Summary for Reach 17R: SWALE

Inflow Area = 102,126 sf, 18.24% Impervious, Inflow Depth > 4.88" for 100YR event

Inflow = 9.63 cfs @ 12.24 hrs, Volume= 41,495 cf

Outflow = 7.68 cfs @ 12.38 hrs, Volume= 40,959 cf, Atten= 20%, Lag= 8.3 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.81 fps, Min. Travel Time= 13.2 min

Avg. Velocity = 0.29 fps, Avg. Travel Time= 37.3 min

Peak Storage= 6,062 cf @ 12.38 hrs

Average Depth at Peak Storage= 0.77' , Surface Width= 14.62'

Bank-Full Depth= 1.00' Flow Area= 13.0 sf, Capacity= 12.22 cfs

10.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 16.00'

Length= 640.0' Slope= 0.0313 '/'

Inlet Invert= 224.00', Outlet Invert= 204.00'



Summary for Reach 18R: OVERLAND FLOW

Inflow Area = 254,301 sf, 42.05% Impervious, Inflow Depth > 4.24" for 100YR event

Inflow = 15.91 cfs @ 12.43 hrs, Volume= 89,766 cf

Outflow = 15.59 cfs @ 12.47 hrs, Volume= 89,596 cf, Atten= 2%, Lag= 2.7 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.52 fps, Min. Travel Time= 3.9 min

Avg. Velocity = 0.18 fps, Avg. Travel Time= 10.9 min

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Peak Storage= 3,607 cf @ 12.47 hrs

Average Depth at Peak Storage= 0.54' , Surface Width= 60.85'

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 19R: OVERLAND FLOW

Inflow Area = 120,768 sf, 0.00% Impervious, Inflow Depth > 5.75" for 100YR event

Inflow = 14.07 cfs @ 12.21 hrs, Volume= 57,819 cf

Outflow = 7.95 cfs @ 12.46 hrs, Volume= 56,028 cf, Atten= 43%, Lag= 15.0 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= 32.6 min

Avg. Velocity = 0.09 fps, Avg. Travel Time= 93.6 min

Peak Storage= 15,538 cf @ 12.46 hrs

Average Depth at Peak Storage= 0.59' , Surface Width= 55.87'

Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 19.62 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= 500.0' Slope= 0.0104 ' / '

Inlet Invert= 200.00', Outlet Invert= 194.80'



Summary for Reach 20R: OVERLAND FLOW

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth = 3.78" for 100YR event

Inflow = 4.68 cfs @ 12.22 hrs, Volume= 14,155 cf

Outflow = 3.89 cfs @ 12.42 hrs, Volume= 14,152 cf, Atten= 17%, Lag= 11.9 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= 12.8 min

Avg. Velocity = 0.07 fps, Avg. Travel Time= 51.9 min

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Peak Storage= 2,986 cf @ 12.42 hrs
Average Depth at Peak Storage= 0.26' , Surface Width= 52.59'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 38.05 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= 225.0' Slope= 0.0391 ' / '
Inlet Invert= 194.80', Outlet Invert= 186.00'



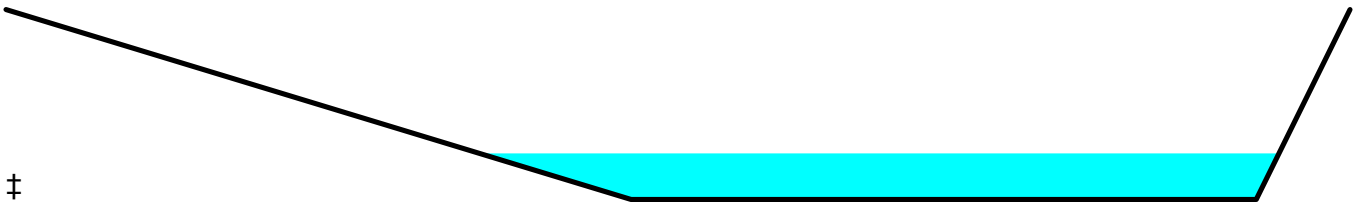
Summary for Reach 21R: OVERLAND FLOW

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 4.76" for 100YR event
Inflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf
Outflow = 0.53 cfs @ 12.24 hrs, Volume= 2,937 cf, Atten= 44%, Lag= 8.3 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= 19.9 min
Avg. Velocity = 0.03 fps, Avg. Travel Time= 56.5 min

Peak Storage= 635 cf @ 12.24 hrs
Average Depth at Peak Storage= 0.24' , Surface Width= 25.57'
Bank-Full Depth= 1.00' Flow Area= 31.5 sf, Capacity= 6.85 cfs

20.00' x 1.00' deep channel, n= 0.400 Sheet flow: Woods+light brush
Side Slope Z-value= 20.0 3.0 ' / ' Top Width= 43.00'
Length= 115.0' Slope= 0.0052 ' / '
Inlet Invert= 195.50', Outlet Invert= 194.90'



Summary for Reach 22R: CROSS PIPE

[52] Hint: Inlet/Outlet conditions not evaluated
[62] Hint: Exceeded Reach 19R OUTLET depth by 0.23' @ 12.85 hrs
[62] Hint: Exceeded Reach 21R OUTLET depth by 0.49' @ 12.65 hrs
[62] Hint: Exceeded Reach R211 OUTLET depth by 0.42' @ 12.25 hrs

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 3.87" for 100YR event
Inflow = 12.52 cfs @ 12.59 hrs, Volume= 94,744 cf
Outflow = 12.52 cfs @ 12.59 hrs, Volume= 94,741 cf, Atten= 0%, Lag= 0.1 min

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Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 9.56 fps, Min. Travel Time= 0.1 min

Avg. Velocity = 4.14 fps, Avg. Travel Time= 0.1 min

Peak Storage= 46 cf @ 12.59 hrs

Average Depth at Peak Storage= 0.87' , Surface Width= 1.98'

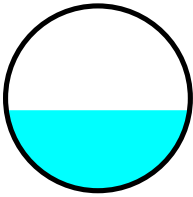
Bank-Full Depth= 2.00' Flow Area= 3.1 sf, Capacity= 31.99 cfs

24.0" Round Pipe

n= 0.013 Corrugated PE, smooth interior

Length= 35.0' Slope= 0.0200 '/'

Inlet Invert= 194.70', Outlet Invert= 194.00'



Summary for Reach 23R: OVERLAND FLOW

Inflow Area = 293,558 sf, 27.87% Impervious, Inflow Depth > 3.87" for 100YR event

Inflow = 12.52 cfs @ 12.59 hrs, Volume= 94,741 cf

Outflow = 12.45 cfs @ 12.63 hrs, Volume= 94,498 cf, Atten= 1%, Lag= 2.5 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Max. Velocity= 0.84 fps, Min. Travel Time= 3.6 min

Avg. Velocity = 0.30 fps, Avg. Travel Time= 10.0 min

Peak Storage= 2,677 cf @ 12.63 hrs

Average Depth at Peak Storage= 0.85' , Surface Width= 20.09'

Bank-Full Depth= 1.00' Flow Area= 18.0 sf, Capacity= 16.59 cfs

15.00' x 1.00' deep channel, n= 0.240 Sheet flow over Dense Grass

Side Slope Z-value= 3.0 '/' Top Width= 21.00'

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 = 370,963 sf, 10.29% Impervious, Inflow Depth > 6.60" for 100YR event
Inflow = 42.16 cfs @ 12.29 hrs, Volume= 204,083 cf
Outflow = 24.07 cfs @ 12.60 hrs, Volume= 197,372 cf, Atten= 43%, Lag= 18.1 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= 40.5 min
Avg. Velocity = 0.11 fps, Avg. Travel Time= 110.4 min

Peak Storage= 58,533 cf @ 12.60 hrs
Average Depth at Peak Storage= 0.71' , Surface Width= 135.51'
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'



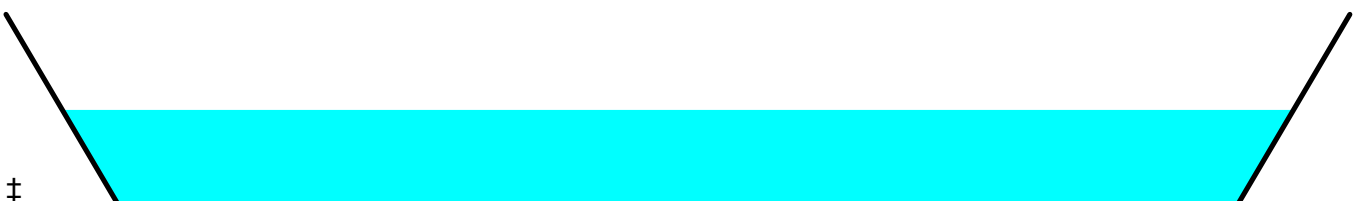
Summary for Reach R211: OVERLAND FLOW

Inflow Area = 165,235 sf, 47.56% Impervious, Inflow Depth = 2.64" for 100YR event
Inflow = 13.61 cfs @ 12.30 hrs, Volume= 36,352 cf
Outflow = 5.21 cfs @ 12.77 hrs, Volume= 35,779 cf, Atten= 62%, Lag= 28.1 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= 50.1 min
Avg. Velocity = 0.07 fps, Avg. Travel Time= 135.1 min

Peak Storage= 15,646 cf @ 12.77 hrs
Average Depth at Peak Storage= 0.50' , Surface Width= 54.97'
Bank-Full Depth= 1.00' Flow Area= 55.0 sf, Capacity= 17.03 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= 600.0' Slope= 0.0078 '/'
Inlet Invert= 199.50', Outlet Invert= 194.80'



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Summary for Pond CB1: CB#1

Inflow Area = 10,706 sf, 37.85% Impervious, Inflow Depth > 6.00" for 100YR event
Inflow = 1.56 cfs @ 12.12 hrs, Volume= 5,353 cf
Outflow = 1.56 cfs @ 12.12 hrs, Volume= 5,353 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.12 hrs, Volume= 5,353 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.45' @ 12.11 hrs
Flood Elev= 209.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.45' | 12.0" Round Culvert L= 21.0' Ke= 0.500 Inlet / Outlet Invert= 206.45' / 206.31' S= 0.0067 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.51 cfs @ 12.12 hrs HW=208.32' TW=208.16' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 1.51 cfs @ 1.92 fps)

Summary for Pond CB10: CB #10

Inflow Area = 5,492 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 1.10 cfs @ 12.09 hrs, Volume= 4,034 cf
Outflow = 1.10 cfs @ 12.09 hrs, Volume= 4,034 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.10 cfs @ 12.09 hrs, Volume= 4,034 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 210.19' @ 12.09 hrs
Flood Elev= 212.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.54' | 12.0" Round Culvert L= 33.1' Ke= 0.500 Inlet / Outlet Invert= 209.54' / 209.37' S= 0.0051 '/' 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=210.18' TW=209.67' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 1.07 cfs @ 2.87 fps)

Summary for Pond CB11: CB #11

Inflow Area = 2,381 sf, 54.01% Impervious, Inflow Depth > 7.48" for 100YR event
Inflow = 0.44 cfs @ 12.09 hrs, Volume= 1,484 cf
Outflow = 0.44 cfs @ 12.09 hrs, Volume= 1,484 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.44 cfs @ 12.09 hrs, Volume= 1,484 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 211.46' @ 12.09 hrs
Flood Elev= 214.24'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 17.4' Ke= 0.500 |

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Inlet / Outlet Invert= 211.07' / 210.97' S= 0.0057 '/' 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=211.46' TW=209.10' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.43 cfs @ 2.28 fps)

Summary for Pond CB12: CB #12

Inflow Area = 2,480 sf, 63.99% Impervious, Inflow Depth > 7.72" for 100YR event
Inflow = 0.47 cfs @ 12.09 hrs, Volume= 1,596 cf
Outflow = 0.47 cfs @ 12.09 hrs, Volume= 1,596 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.47 cfs @ 12.09 hrs, Volume= 1,596 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.48' @ 12.09 hrs

Flood Elev= 214.25'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 211.07' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 211.07' / 210.98' S= 0.0050 '/' 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=211.48' TW=209.10' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.46 cfs @ 2.26 fps)

Summary for Pond CB13: CB #13

Inflow Area = 6,942 sf, 55.47% Impervious, Inflow Depth > 7.48" for 100YR event
Inflow = 1.29 cfs @ 12.09 hrs, Volume= 4,327 cf
Outflow = 1.29 cfs @ 12.09 hrs, Volume= 4,327 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.29 cfs @ 12.09 hrs, Volume= 4,327 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= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.55' | 12.0" Round Culvert L= 10.1' Ke= 0.500 Inlet / Outlet Invert= 208.55' / 208.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.26 cfs @ 12.09 hrs HW=209.28' TW=207.73' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.26 cfs @ 2.88 fps)

Summary for Pond CB14: CB #14

Inflow Area = 6,999 sf, 66.87% Impervious, Inflow Depth > 7.85" for 100YR event
Inflow = 1.34 cfs @ 12.09 hrs, Volume= 4,576 cf
Outflow = 1.34 cfs @ 12.09 hrs, Volume= 4,576 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.34 cfs @ 12.09 hrs, Volume= 4,576 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= 209.31' @ 12.09 hrs

Flood Elev= 212.83'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.56' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 208.56' / 208.49' S= 0.0050 '/ 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=209.30' TW=207.73' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.30 cfs @ 2.93 fps)

Summary for Pond CB15: CB #15

Inflow Area = 3,235 sf, 58.73% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 0.61 cfs @ 12.09 hrs, Volume= 2,049 cf
Outflow = 0.61 cfs @ 12.09 hrs, Volume= 2,049 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.61 cfs @ 12.09 hrs, Volume= 2,049 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.74' @ 12.10 hrs

Flood Elev= 211.95'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.23' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.23' / 207.16' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.50 cfs @ 12.09 hrs HW=207.73' TW=207.62' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.50 cfs @ 1.85 fps)

Summary for Pond CB16: CB #16

Inflow Area = 2,087 sf, 71.87% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 0.40 cfs @ 12.09 hrs, Volume= 1,386 cf
Outflow = 0.40 cfs @ 12.09 hrs, Volume= 1,386 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.40 cfs @ 12.09 hrs, Volume= 1,386 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.67' @ 12.10 hrs

Flood Elev= 211.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.19' | 12.0" Round Culvert L= 14.0' Ke= 0.500 Inlet / Outlet Invert= 207.19' / 207.12' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.26 cfs @ 12.09 hrs HW=207.66' TW=207.62' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.26 cfs @ 1.08 fps)

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Summary for Pond CB17: CB #17

Inflow Area = 9,714 sf, 59.89% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 1.83 cfs @ 12.09 hrs, Volume= 6,154 cf
Outflow = 1.83 cfs @ 12.09 hrs, Volume= 6,154 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.83 cfs @ 12.09 hrs, Volume= 6,154 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.64' @ 12.09 hrs
Flood Elev= 208.96'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.62' | 12.0" Round Culvert L= 13.6' Ke= 0.500 Inlet / Outlet Invert= 202.62' / 202.52' S= 0.0074 '/' 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=206.38' TW=206.25' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 1.33 cfs @ 1.70 fps)

Summary for Pond CB18: CB #18

Inflow Area = 9,165 sf, 65.72% Impervious, Inflow Depth > 7.85" for 100YR event
Inflow = 1.75 cfs @ 12.09 hrs, Volume= 5,992 cf
Outflow = 1.75 cfs @ 12.09 hrs, Volume= 5,992 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.75 cfs @ 12.09 hrs, Volume= 5,992 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.62' @ 12.09 hrs
Flood Elev= 209.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.07' | 12.0" Round Culvert L= 17.7' Ke= 0.500 Inlet / Outlet Invert= 203.07' / 202.98' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.24 cfs @ 12.09 hrs HW=206.36' TW=206.25' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 1.24 cfs @ 1.58 fps)

Summary for Pond CB19: CB #19

Inflow Area = 6,910 sf, 57.21% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 1.30 cfs @ 12.09 hrs, Volume= 4,377 cf
Outflow = 1.30 cfs @ 12.09 hrs, Volume= 4,377 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.30 cfs @ 12.09 hrs, Volume= 4,377 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 205.06' @ 12.10 hrs
Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 16.1' Ke= 0.500 |

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Inlet / Outlet Invert= 203.59' / 203.51' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.32 cfs @ 12.09 hrs HW=204.91' TW=204.79' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.32 cfs @ 1.68 fps)

Summary for Pond CB2: CB#2

Inflow Area = 21,674 sf, 80.07% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 4.18 cfs @ 12.09 hrs, Volume= 14,390 cf
Outflow = 4.18 cfs @ 12.09 hrs, Volume= 14,390 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.18 cfs @ 12.09 hrs, Volume= 14,390 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.75' @ 12.10 hrs

Flood Elev= 207.47'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.03' | 15.0" Round Culvert L= 108.6' Ke= 0.500 Inlet / Outlet Invert= 204.03' / 203.49' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=4.24 cfs @ 12.09 hrs HW=205.67' TW=204.96' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 4.24 cfs @ 3.47 fps)

Summary for Pond CB20: CB #20

Inflow Area = 8,034 sf, 73.30% Impervious, Inflow Depth > 8.09" for 100YR event
Inflow = 1.56 cfs @ 12.09 hrs, Volume= 5,415 cf
Outflow = 1.56 cfs @ 12.09 hrs, Volume= 5,415 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.56 cfs @ 12.09 hrs, Volume= 5,415 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.11' @ 12.10 hrs

Flood Elev= 206.76'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 203.59' | 12.0" Round Culvert L= 17.5' Ke= 0.500 Inlet / Outlet Invert= 203.59' / 203.50' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.57 cfs @ 12.09 hrs HW=204.95' TW=204.78' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.57 cfs @ 1.99 fps)

Summary for Pond CB21: CB #21

Inflow Area = 9,293 sf, 82.86% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 1.79 cfs @ 12.09 hrs, Volume= 6,170 cf
Outflow = 1.79 cfs @ 12.09 hrs, Volume= 6,170 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.79 cfs @ 12.09 hrs, Volume= 6,170 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= 201.65' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.62' | 12.0" Round Culvert L= 19.7' Ke= 0.500 Inlet / Outlet Invert= 200.62' / 200.52' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.75 cfs @ 12.09 hrs HW=201.63' TW=201.39' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.75 cfs @ 2.75 fps)**Summary for Pond CB22: CB #22**

Inflow Area = 10,403 sf, 81.23% Impervious, Inflow Depth > 7.48" for 100YR event
 Inflow = 1.94 cfs @ 12.09 hrs, Volume= 6,484 cf
 Outflow = 1.94 cfs @ 12.09 hrs, Volume= 6,484 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.94 cfs @ 12.09 hrs, Volume= 6,484 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 201.67' @ 12.09 hrs

Flood Elev= 203.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.61' | 12.0" Round Culvert L= 18.0' Ke= 0.500 Inlet / Outlet Invert= 200.61' / 200.52' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.91 cfs @ 12.09 hrs HW=201.65' TW=201.39' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 1.91 cfs @ 2.43 fps)**Summary for Pond CB23: CB #23**

Inflow Area = 19,822 sf, 84.04% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 3.82 cfs @ 12.09 hrs, Volume= 13,161 cf
 Outflow = 3.82 cfs @ 12.09 hrs, Volume= 13,161 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.82 cfs @ 12.09 hrs, Volume= 13,161 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.34' @ 12.09 hrs

Flood Elev= 204.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.75' | 12.0" Round Culvert L= 21.9' Ke= 0.500 Inlet / Outlet Invert= 200.75' / 200.53' S= 0.0100 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=3.72 cfs @ 12.09 hrs HW=202.29' TW=199.63' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 3.72 cfs @ 4.74 fps)

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Summary for Pond CB24: CB #24

Inflow Area = 2,226 sf, 99.87% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.44 cfs @ 12.09 hrs, Volume= 1,635 cf
 Outflow = 0.44 cfs @ 12.09 hrs, Volume= 1,635 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.44 cfs @ 12.09 hrs, Volume= 1,635 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.45' @ 12.09 hrs
 Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.06' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 202.06' / 201.95' S= 0.0056 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.43 cfs @ 12.09 hrs HW=202.45' TW=199.62' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.43 cfs @ 2.28 fps)

Summary for Pond CB25: CB #25

Inflow Area = 2,249 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.45 cfs @ 12.09 hrs, Volume= 1,652 cf
 Outflow = 0.45 cfs @ 12.09 hrs, Volume= 1,652 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.45 cfs @ 12.09 hrs, Volume= 1,652 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.70' @ 12.09 hrs
 Flood Elev= 207.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 16.3' Ke= 0.500 Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0074 '/ 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=204.70' TW=201.07' (Dynamic Tailwater)
 ↑**1=Culvert** (Barrel Controls 0.44 cfs @ 2.39 fps)

Summary for Pond CB26: CB #26

Inflow Area = 3,194 sf, 78.40% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.63 cfs @ 12.09 hrs, Volume= 2,218 cf
 Outflow = 0.63 cfs @ 12.09 hrs, Volume= 2,218 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.63 cfs @ 12.09 hrs, Volume= 2,218 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.78' @ 12.09 hrs
 Flood Elev= 207.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.32' | 12.0" Round Culvert L= 14.9' Ke= 0.500 |

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Inlet / Outlet Invert= 204.32' / 204.20' S= 0.0081 '/' 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=204.77' TW=201.08' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.61 cfs @ 2.62 fps)

Summary for Pond CB27: CB #27

Inflow Area = 13,200 sf, 88.54% Impervious, Inflow Depth > 8.45" for 100YR event
Inflow = 2.61 cfs @ 12.09 hrs, Volume= 9,298 cf
Outflow = 2.61 cfs @ 12.09 hrs, Volume= 9,298 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.61 cfs @ 12.09 hrs, Volume= 9,298 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.53' @ 12.09 hrs

Flood Elev= 205.53'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.36' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.36' / 202.30' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.54 cfs @ 12.09 hrs HW=203.50' TW=202.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 2.54 cfs @ 3.54 fps)

Summary for Pond CB28: CB #28

Inflow Area = 18,536 sf, 69.19% Impervious, Inflow Depth > 8.09" for 100YR event
Inflow = 3.60 cfs @ 12.09 hrs, Volume= 12,495 cf
Outflow = 3.60 cfs @ 12.09 hrs, Volume= 12,495 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.60 cfs @ 12.09 hrs, Volume= 12,495 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.92' @ 12.09 hrs

Flood Elev= 205.55'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.37' | 12.0" Round Culvert L= 11.6' Ke= 0.500 Inlet / Outlet Invert= 202.37' / 202.31' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=3.51 cfs @ 12.09 hrs HW=203.89' TW=202.43' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.51 cfs @ 4.47 fps)

Summary for Pond CB29: CB #29

Inflow Area = 1,837 sf, 70.93% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 0.35 cfs @ 12.09 hrs, Volume= 1,220 cf
Outflow = 0.35 cfs @ 12.09 hrs, Volume= 1,220 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.35 cfs @ 12.09 hrs, Volume= 1,220 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= 203.33' @ 12.09 hrs

Flood Elev= 205.87'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 23.4' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0056 '/ 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=203.32' TW=202.97' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.37 cfs @ 2.21 fps)

Summary for Pond CB3: CB#3

Inflow Area = 10,853 sf, 74.08% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 2.04 cfs @ 12.09 hrs, Volume= 6,875 cf
Outflow = 2.04 cfs @ 12.09 hrs, Volume= 6,875 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.04 cfs @ 12.09 hrs, Volume= 6,875 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.43' @ 12.10 hrs

Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 12.0" Round Culvert L= 17.4' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.84' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.99 cfs @ 12.09 hrs HW=210.33' TW=210.06' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.99 cfs @ 2.53 fps)

Summary for Pond CB30: CB #30

Inflow Area = 6,023 sf, 53.63% Impervious, Inflow Depth > 7.48" for 100YR event
Inflow = 1.12 cfs @ 12.09 hrs, Volume= 3,754 cf
Outflow = 1.12 cfs @ 12.09 hrs, Volume= 3,754 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.12 cfs @ 12.09 hrs, Volume= 3,754 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.59' @ 12.09 hrs

Flood Elev= 206.13'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.96' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 202.96' / 202.83' S= 0.0087 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.09 cfs @ 12.09 hrs HW=203.58' TW=202.99' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.09 cfs @ 3.03 fps)

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Summary for Pond CB31: CB #31

Inflow Area = 13,352 sf, 89.53% Impervious, Inflow Depth > 8.57" for 100YR event
Inflow = 2.65 cfs @ 12.09 hrs, Volume= 9,539 cf
Outflow = 2.65 cfs @ 12.09 hrs, Volume= 9,539 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.65 cfs @ 12.09 hrs, Volume= 9,539 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 204.28' @ 12.12 hrs
Flood Elev= 205.01'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.83' | 12.0" Round Culvert L= 39.2' Ke= 0.500 Inlet / Outlet Invert= 201.83' / 201.63' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.21 cfs @ 12.09 hrs HW=203.85' TW=203.51' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 2.21 cfs @ 2.82 fps)

Summary for Pond CB32: CB #32

Inflow Area = 15,647 sf, 68.79% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 3.02 cfs @ 12.09 hrs, Volume= 10,389 cf
Outflow = 3.02 cfs @ 12.09 hrs, Volume= 10,389 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.02 cfs @ 12.09 hrs, Volume= 10,389 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 204.49' @ 12.12 hrs
Flood Elev= 205.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.00' | 12.0" Round Culvert L= 54.5' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.72' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.68 cfs @ 12.09 hrs HW=204.10' TW=203.52' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 2.68 cfs @ 3.41 fps)

Summary for Pond CB33: CB #33

Inflow Area = 10,475 sf, 79.30% Impervious, Inflow Depth > 8.33" for 100YR event
Inflow = 2.06 cfs @ 12.09 hrs, Volume= 7,273 cf
Outflow = 2.06 cfs @ 12.09 hrs, Volume= 7,273 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.06 cfs @ 12.09 hrs, Volume= 7,273 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= 207.89'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.78' | 12.0" Round Culvert L= 16.5' Ke= 0.500 |

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Inlet / Outlet Invert= 204.78' / 204.50' S= 0.0170 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.81 cfs @ 12.09 hrs HW=205.73' TW=205.46' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 1.81 cfs @ 3.03 fps)

Summary for Pond CB34: CB #34

Inflow Area = 7,978 sf, 96.09% Impervious, Inflow Depth > 8.69" for 100YR event
Inflow = 1.59 cfs @ 12.09 hrs, Volume= 5,780 cf
Outflow = 1.59 cfs @ 12.09 hrs, Volume= 5,780 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.59 cfs @ 12.09 hrs, Volume= 5,780 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.67' @ 12.09 hrs

Flood Elev= 207.92'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.76' | 12.0" Round Culvert L= 19.5' Ke= 0.500 Inlet / Outlet Invert= 204.76' / 204.66' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.34 cfs @ 12.09 hrs HW=205.64' TW=205.46' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 1.34 cfs @ 2.43 fps)

Summary for Pond CB35: CB #35

Inflow Area = 7,168 sf, 73.14% Impervious, Inflow Depth > 8.21" for 100YR event
Inflow = 1.40 cfs @ 12.09 hrs, Volume= 4,904 cf
Outflow = 1.40 cfs @ 12.09 hrs, Volume= 4,904 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.40 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= 205.68' @ 12.09 hrs

Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.63' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.63' / 204.55' S= 0.0051 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.27 cfs @ 12.09 hrs HW=205.66' TW=205.55' (Dynamic Tailwater)

↑1=Culvert (Inlet Controls 1.27 cfs @ 1.62 fps)

Summary for Pond CB36: CB #36

Inflow Area = 5,338 sf, 97.53% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 1.06 cfs @ 12.09 hrs, Volume= 3,921 cf
Outflow = 1.06 cfs @ 12.09 hrs, Volume= 3,921 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.06 cfs @ 12.09 hrs, Volume= 3,921 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= 205.63' @ 12.09 hrs

Flood Elev= 208.17'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.64' | 12.0" Round Culvert L= 15.6' Ke= 0.500 Inlet / Outlet Invert= 204.64' / 204.56' S= 0.0051 '/' 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=205.61' TW=205.54' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.91 cfs @ 1.49 fps)**Summary for Pond CB37: CB #37**

Inflow Area = 4,130 sf, 76.71% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,867 cf
 Outflow = 0.81 cfs @ 12.09 hrs, Volume= 2,867 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.81 cfs @ 12.09 hrs, Volume= 2,867 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.15' @ 12.09 hrs

Flood Elev= 205.03'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.60' | 12.0" Round Culvert L= 28.7' Ke= 0.500 Inlet / Outlet Invert= 199.60' / 199.45' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=200.14' TW=197.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.79 cfs @ 2.66 fps)**Summary for Pond CB38: CB #38**

Inflow Area = 2,450 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.49 cfs @ 12.09 hrs, Volume= 1,800 cf
 Outflow = 0.49 cfs @ 12.09 hrs, Volume= 1,800 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.49 cfs @ 12.09 hrs, Volume= 1,800 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.97' @ 12.09 hrs

Flood Elev= 205.84'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.55' | 12.0" Round Culvert L= 22.7' Ke= 0.500 Inlet / Outlet Invert= 199.55' / 199.43' S= 0.0053 '/' 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=199.96' TW=197.82' (Dynamic Tailwater)↑**1=Culvert** (Barrel Controls 0.48 cfs @ 2.32 fps)

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Summary for Pond CB39: CB #39

Inflow Area = 20,827 sf, 63.79% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 4.02 cfs @ 12.09 hrs, Volume= 13,828 cf
Outflow = 4.02 cfs @ 12.09 hrs, Volume= 13,828 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.02 cfs @ 12.09 hrs, Volume= 13,828 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 198.47' @ 12.09 hrs
Flood Elev= 199.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.60' | 12.0" Round Culvert L= 31.2' Ke= 0.500 Inlet / Outlet Invert= 196.60' / 196.41' S= 0.0061 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=4.00 cfs @ 12.09 hrs HW=198.41' TW=197.29' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 4.00 cfs @ 5.09 fps)

Summary for Pond CB4: CB#4

Inflow Area = 21,472 sf, 40.29% Impervious, Inflow Depth > 6.12" for 100YR event
Inflow = 2.97 cfs @ 12.15 hrs, Volume= 10,953 cf
Outflow = 2.97 cfs @ 12.15 hrs, Volume= 10,953 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.97 cfs @ 12.15 hrs, Volume= 10,953 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 210.71' @ 12.12 hrs
Flood Elev= 212.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.94' | 12.0" Round Culvert L= 16.5' Ke= 0.500 Inlet / Outlet Invert= 208.94' / 208.85' S= 0.0055 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.97 cfs @ 12.15 hrs HW=210.61' TW=209.99' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 2.97 cfs @ 3.78 fps)

Summary for Pond CB40: CB #40

Inflow Area = 4,980 sf, 92.85% Impervious, Inflow Depth > 8.69" for 100YR event
Inflow = 0.99 cfs @ 12.09 hrs, Volume= 3,608 cf
Outflow = 0.99 cfs @ 12.09 hrs, Volume= 3,608 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.99 cfs @ 12.09 hrs, Volume= 3,608 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= 206.81'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.47' | 12.0" Round Culvert L= 13.4' Ke= 0.500 |

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Inlet / Outlet Invert= 202.47' / 202.40' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=203.88' TW=203.82' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.96 cfs @ 1.23 fps)

Summary for Pond CB41: CB #41

Inflow Area = 5,480 sf, 85.02% Impervious, Inflow Depth > 8.45" for 100YR event
Inflow = 1.08 cfs @ 12.09 hrs, Volume= 3,860 cf
Outflow = 1.08 cfs @ 12.09 hrs, Volume= 3,860 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.08 cfs @ 12.09 hrs, Volume= 3,860 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.00' @ 12.09 hrs

Flood Elev= 206.78'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.46' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 202.46' / 202.40' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.05 cfs @ 12.09 hrs HW=203.90' TW=203.82' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.05 cfs @ 1.34 fps)

Summary for Pond CB42: CB #42

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 5.07" for 100YR event
Inflow = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf
Outflow = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf, Atten= 0%, Lag= 0.0 min
Primary = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.03' @ 12.15 hrs

Flood Elev= 203.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 198.77' | 18.0" Round Culvert L= 147.0' Ke= 0.500 Inlet / Outlet Invert= 198.77' / 198.03' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=10.56 cfs @ 12.15 hrs HW=203.02' TW=200.70' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 10.56 cfs @ 5.97 fps)

Summary for Pond CB43: CB #43

Inflow Area = 5,946 sf, 61.76% Impervious, Inflow Depth > 7.72" for 100YR event
Inflow = 1.13 cfs @ 12.09 hrs, Volume= 3,827 cf
Outflow = 1.13 cfs @ 12.09 hrs, Volume= 3,827 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.13 cfs @ 12.09 hrs, Volume= 3,827 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= 206.47' @ 12.09 hrs

Flood Elev= 207.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.73' | 12.0" Round Culvert L= 21.1' Ke= 0.200 Inlet / Outlet Invert= 204.73' / 204.62' S= 0.0052 '/ 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=206.39' TW=206.33' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.10 cfs @ 1.40 fps)

Summary for Pond CB44: CB #44

Inflow Area = 6,236 sf, 57.31% Impervious, Inflow Depth > 7.60" for 100YR event
Inflow = 1.17 cfs @ 12.09 hrs, Volume= 3,950 cf
Outflow = 1.17 cfs @ 12.09 hrs, Volume= 3,950 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.17 cfs @ 12.09 hrs, Volume= 3,950 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.48' @ 12.09 hrs

Flood Elev= 207.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.70' | 12.0" Round Culvert L= 22.0' Ke= 0.200 Inlet / Outlet Invert= 204.70' / 204.59' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.14 cfs @ 12.09 hrs HW=206.39' TW=206.33' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.14 cfs @ 1.45 fps)

Summary for Pond CB45: CB #45

Inflow Area = 4,105 sf, 83.29% Impervious, Inflow Depth > 8.33" for 100YR event
Inflow = 0.81 cfs @ 12.09 hrs, Volume= 2,850 cf
Outflow = 0.81 cfs @ 12.09 hrs, Volume= 2,850 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.81 cfs @ 12.09 hrs, Volume= 2,850 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.30' @ 12.09 hrs

Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.38' | 12.0" Round Culvert L= 11.7' Ke= 0.200 Inlet / Outlet Invert= 206.38' / 206.30' S= 0.0068 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.79 cfs @ 12.09 hrs HW=207.26' TW=207.21' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.79 cfs @ 1.44 fps)

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Summary for Pond CB46: CB #46

Inflow Area = 6,943 sf, 69.75% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 1.34 cfs @ 12.09 hrs, Volume= 4,610 cf
Outflow = 1.34 cfs @ 12.09 hrs, Volume= 4,610 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.34 cfs @ 12.09 hrs, Volume= 4,610 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= 209.41'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.42' | 12.0" Round Culvert L= 16.5' Ke= 0.200 Inlet / Outlet Invert= 206.42' / 206.30' S= 0.0073 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.31 cfs @ 12.09 hrs HW=207.34' TW=207.21' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 1.31 cfs @ 2.27 fps)

Summary for Pond CB47: CB #47

Inflow Area = 2,486 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 0.50 cfs @ 12.09 hrs, Volume= 1,826 cf
Outflow = 0.50 cfs @ 12.09 hrs, Volume= 1,826 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.50 cfs @ 12.09 hrs, Volume= 1,826 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= 211.45'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 17.9' Ke= 0.200 Inlet / Outlet Invert= 208.34' / 208.25' 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=208.75' TW=208.57' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 0.47 cfs @ 2.32 fps)

Summary for Pond CB48: CB #48

Inflow Area = 3,544 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 0.71 cfs @ 12.09 hrs, Volume= 2,603 cf
Outflow = 0.71 cfs @ 12.09 hrs, Volume= 2,603 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.71 cfs @ 12.09 hrs, Volume= 2,603 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.83' @ 12.09 hrs
Flood Elev= 211.46'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.34' | 12.0" Round Culvert L= 19.5' Ke= 0.200 |

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Inlet / Outlet Invert= 208.34' / 208.24' S= 0.0051 '/' 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=208.83' TW=208.57' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.69 cfs @ 2.65 fps)

Summary for Pond CB49: CB #49

Inflow Area = 1,263 sf, 94.54% Impervious, Inflow Depth > 8.69" for 100YR event
Inflow = 0.25 cfs @ 12.09 hrs, Volume= 915 cf
Outflow = 0.25 cfs @ 12.09 hrs, Volume= 915 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.25 cfs @ 12.09 hrs, Volume= 915 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= 213.88'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 210.48' | 12.0" Round Culvert L= 19.9' Ke= 0.200 Inlet / Outlet Invert= 210.48' / 210.24' S= 0.0121 '/' 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=210.72' TW=210.21' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.24 cfs @ 2.52 fps)

Summary for Pond CB5: CB#5

Inflow Area = 1,783 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,310 cf
Outflow = 0.36 cfs @ 12.09 hrs, Volume= 1,310 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.36 cfs @ 12.09 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= 212.57' @ 12.10 hrs

Flood Elev= 215.32'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 212.16' | 12.0" Round Culvert L= 30.3' Ke= 0.500 Inlet / Outlet Invert= 212.16' / 212.00' S= 0.0053 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.35 cfs @ 12.09 hrs HW=212.56' TW=212.41' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.35 cfs @ 1.76 fps)

Summary for Pond CB50: CB #50

Inflow Area = 1,590 sf, 95.66% Impervious, Inflow Depth > 8.69" for 100YR event
Inflow = 0.32 cfs @ 12.09 hrs, Volume= 1,152 cf
Outflow = 0.32 cfs @ 12.09 hrs, Volume= 1,152 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.32 cfs @ 12.09 hrs, Volume= 1,152 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= 210.44' @ 12.09 hrs

Flood Elev= 213.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.10' | 12.0" Round Culvert L= 34.1' Ke= 0.200 Inlet / Outlet Invert= 210.10' / 209.92' 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=210.43' TW=210.21' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 0.31 cfs @ 2.03 fps)**Summary for Pond CB51: CB #51**

Inflow Area = 9,541 sf, 92.31% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 1.89 cfs @ 12.09 hrs, Volume= 6,720 cf
 Outflow = 1.89 cfs @ 12.09 hrs, Volume= 6,720 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.89 cfs @ 12.09 hrs, Volume= 6,720 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.23' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.4' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0049 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.84 cfs @ 12.09 hrs HW=211.19' TW=210.94' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 1.84 cfs @ 2.79 fps)**Summary for Pond CB52: CB #52**

Inflow Area = 17,462 sf, 77.87% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 3.34 cfs @ 12.09 hrs, Volume= 11,417 cf
 Outflow = 3.34 cfs @ 12.09 hrs, Volume= 11,417 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.34 cfs @ 12.09 hrs, Volume= 11,417 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.76' @ 12.09 hrs

Flood Elev= 212.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 210.15' | 12.0" Round Culvert L= 24.2' Ke= 0.500 Inlet / Outlet Invert= 210.15' / 210.03' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=3.29 cfs @ 12.09 hrs HW=211.70' TW=210.94' (Dynamic Tailwater)↑**1=Culvert** (Inlet Controls 3.29 cfs @ 4.19 fps)

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Summary for Pond CB53: CB #53

Inflow Area = 6,202 sf, 91.87% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 1.23 cfs @ 12.09 hrs, Volume= 4,368 cf
 Outflow = 1.23 cfs @ 12.09 hrs, Volume= 4,368 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.23 cfs @ 12.09 hrs, Volume= 4,368 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.77' @ 12.09 hrs
 Flood Elev= 217.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.93' | 12.0" Round Culvert L= 24.7' Ke= 0.500 Inlet / Outlet Invert= 213.93' / 213.77' S= 0.0065 '/' 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=214.74' TW=214.54' (Dynamic Tailwater)
 ↖**1=Culvert** (Outlet Controls 1.20 cfs @ 2.40 fps)

Summary for Pond CB54: CB #54

Inflow Area = 3,756 sf, 91.59% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.74 cfs @ 12.09 hrs, Volume= 2,646 cf
 Outflow = 0.74 cfs @ 12.09 hrs, Volume= 2,646 cf, Atten= 0%, Lag= 0.0 min
 Primary = 0.74 cfs @ 12.09 hrs, Volume= 2,646 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.76' @ 12.09 hrs
 Flood Elev= 217.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.13' | 12.0" Round Culvert L= 38.2' Ke= 0.500 Inlet / Outlet Invert= 214.13' / 213.77' S= 0.0094 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.73 cfs @ 12.09 hrs HW=214.73' TW=214.54' (Dynamic Tailwater)
 ↖**1=Culvert** (Outlet Controls 0.73 cfs @ 2.10 fps)

Summary for Pond CB55: CB #55

Inflow Area = 19,318 sf, 48.01% Impervious, Inflow Depth > 6.50" for 100YR event
 Inflow = 3.17 cfs @ 12.10 hrs, Volume= 10,457 cf
 Outflow = 3.17 cfs @ 12.10 hrs, Volume= 10,457 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.17 cfs @ 12.10 hrs, Volume= 10,457 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 219.10' @ 12.10 hrs
 Flood Elev= 220.65'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 217.48' | 12.0" Round Culvert L= 73.1' Ke= 0.500 |

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Inlet / Outlet Invert= 217.48' / 217.10' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=3.17 cfs @ 12.10 hrs HW=219.10' TW=218.14' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 3.17 cfs @ 4.04 fps)

Summary for Pond CB56: CB #56

Inflow Area = 5,029 sf, 79.82% Impervious, Inflow Depth > 7.97" for 100YR event
Inflow = 0.97 cfs @ 12.09 hrs, Volume= 3,339 cf
Outflow = 0.97 cfs @ 12.09 hrs, Volume= 3,339 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.97 cfs @ 12.09 hrs, Volume= 3,339 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 220.75' @ 12.09 hrs

Flood Elev= 223.34'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 220.16' | 12.0" Round Culvert L= 26.6' Ke= 0.500 Inlet / Outlet Invert= 220.16' / 220.00' S= 0.0060 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.94 cfs @ 12.09 hrs HW=220.75' TW=220.34' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 0.94 cfs @ 2.84 fps)

Summary for Pond CB57: CB #57

Inflow Area = 2,370 sf, 84.43% Impervious, Inflow Depth > 8.09" for 100YR event
Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,598 cf
Outflow = 0.46 cfs @ 12.09 hrs, Volume= 1,598 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.46 cfs @ 12.09 hrs, Volume= 1,598 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= 223.37'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 220.19' | 12.0" Round Culvert L= 12.1' Ke= 0.500 Inlet / Outlet Invert= 220.19' / 220.01' S= 0.0149 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.45 cfs @ 12.09 hrs HW=220.56' TW=220.34' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.45 cfs @ 2.54 fps)

Summary for Pond CB58: CB #58

Inflow Area = 1,348 sf, 83.01% Impervious, Inflow Depth > 8.09" for 100YR event
Inflow = 0.26 cfs @ 12.09 hrs, Volume= 909 cf
Outflow = 0.26 cfs @ 12.09 hrs, Volume= 909 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.26 cfs @ 12.09 hrs, Volume= 909 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= 221.86' @ 12.09 hrs

Flood Elev= 224.70'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.53' | 12.0" Round Culvert L= 14.6' Ke= 0.500 Inlet / Outlet Invert= 221.53' / 221.45' S= 0.0055 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.25 cfs @ 12.09 hrs HW=221.86' TW=221.75' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.25 cfs @ 1.70 fps)

Summary for Pond CB59: CB #59

Inflow Area = 1,607 sf, 85.75% Impervious, Inflow Depth > 8.21" for 100YR event
Inflow = 0.31 cfs @ 12.09 hrs, Volume= 1,099 cf
Outflow = 0.31 cfs @ 12.09 hrs, Volume= 1,099 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.31 cfs @ 12.09 hrs, Volume= 1,099 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 222.27' @ 12.09 hrs

Flood Elev= 225.16'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.99' | 12.0" Round Culvert L= 37.1' Ke= 0.500 Inlet / Outlet Invert= 221.99' / 221.51' S= 0.0129 '/ 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=222.26' TW=221.75' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.31 cfs @ 1.77 fps)

Summary for Pond CB6: CB#6

Inflow Area = 3,766 sf, 59.48% Impervious, Inflow Depth > 7.23" for 100YR event
Inflow = 0.69 cfs @ 12.09 hrs, Volume= 2,270 cf
Outflow = 0.69 cfs @ 12.09 hrs, Volume= 2,270 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.69 cfs @ 12.09 hrs, Volume= 2,270 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 213.18' @ 12.09 hrs

Flood Elev= 215.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 212.76' | 12.0" Round Culvert L= 32.2' Ke= 0.500 Inlet / Outlet Invert= 212.76' / 212.27' S= 0.0152 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.67 cfs @ 12.09 hrs HW=213.17' TW=212.42' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 0.67 cfs @ 2.19 fps)

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Summary for Pond CB60: CB #60

Inflow Area = 3,327 sf, 100.00% Impervious, Inflow Depth > 8.81" for 100YR event
Inflow = 0.66 cfs @ 12.09 hrs, Volume= 2,444 cf
Outflow = 0.66 cfs @ 12.09 hrs, Volume= 2,444 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.66 cfs @ 12.09 hrs, Volume= 2,444 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.54' @ 12.09 hrs
Flood Elev= 205.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.04' | 12.0" Round Culvert L= 11.5' Ke= 0.500 Inlet / Outlet Invert= 202.04' / 201.98' S= 0.0052 '/' 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=202.53' TW=202.18' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 0.65 cfs @ 2.44 fps)

Summary for Pond CB61: CB #61

Inflow Area = 6,407 sf, 84.94% Impervious, Inflow Depth > 8.45" for 100YR event
Inflow = 1.27 cfs @ 12.09 hrs, Volume= 4,513 cf
Outflow = 1.27 cfs @ 12.09 hrs, Volume= 4,513 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.27 cfs @ 12.09 hrs, Volume= 4,513 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 202.64' @ 12.09 hrs
Flood Elev= 204.97'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.05' | 12.0" Round Culvert L= 13.7' Ke= 0.500 Inlet / Outlet Invert= 202.05' / 201.68' S= 0.0270 '/' 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=202.63' TW=202.18' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 1.23 cfs @ 2.60 fps)

Summary for Pond CB62: CB#62

Inflow Area = 5,714 sf, 64.82% Impervious, Inflow Depth > 7.23" for 100YR event
Inflow = 1.04 cfs @ 12.09 hrs, Volume= 3,445 cf
Outflow = 1.04 cfs @ 12.09 hrs, Volume= 3,445 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.04 cfs @ 12.09 hrs, Volume= 3,445 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.35' @ 12.11 hrs
Flood Elev= 209.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 206.20' | 12.0" Round Culvert L= 21.0' Ke= 0.500 |

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Inlet / Outlet Invert= 206.20' / 206.09' S= 0.0052 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.02 cfs @ 12.09 hrs HW=208.21' TW=208.13' (Dynamic Tailwater)

↑1=Culvert (Inlet Controls 1.02 cfs @ 1.29 fps)

Summary for Pond CB7: CB#7

Inflow Area = 7,403 sf, 94.92% Impervious, Inflow Depth > 8.57" for 100YR event
Inflow = 1.47 cfs @ 12.09 hrs, Volume= 5,289 cf
Outflow = 1.47 cfs @ 12.09 hrs, Volume= 5,289 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.47 cfs @ 12.09 hrs, Volume= 5,289 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.04' @ 12.09 hrs

Flood Elev= 217.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.25' | 12.0" Round Culvert L= 15.0' Ke= 0.500 Inlet / Outlet Invert= 214.25' / 214.17' S= 0.0053 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.45 cfs @ 12.09 hrs HW=215.03' TW=214.74' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 1.45 cfs @ 3.04 fps)

Summary for Pond CB8: CB#8

Inflow Area = 12,849 sf, 70.13% Impervious, Inflow Depth > 7.47" for 100YR event
Inflow = 2.13 cfs @ 12.14 hrs, Volume= 8,004 cf
Outflow = 2.13 cfs @ 12.14 hrs, Volume= 8,004 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.13 cfs @ 12.14 hrs, Volume= 8,004 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 215.46' @ 12.14 hrs

Flood Elev= 217.79'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 214.45' | 12.0" Round Culvert L= 12.0' Ke= 0.500 Inlet / Outlet Invert= 214.45' / 214.39' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=2.09 cfs @ 12.14 hrs HW=215.44' TW=214.74' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 2.09 cfs @ 3.33 fps)

Summary for Pond CB9: CB #9

Inflow Area = 7,062 sf, 54.59% Impervious, Inflow Depth > 7.48" for 100YR event
Inflow = 1.31 cfs @ 12.09 hrs, Volume= 4,402 cf
Outflow = 1.31 cfs @ 12.09 hrs, Volume= 4,402 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.31 cfs @ 12.09 hrs, Volume= 4,402 cf

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Peak Elev= 210.46' @ 12.09 hrs

Flood Elev= 212.91'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 209.72' | 12.0" Round Culvert L= 15.8' Ke= 0.500 Inlet / Outlet Invert= 209.72' / 209.64' S= 0.0051 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=1.28 cfs @ 12.09 hrs HW=210.45' TW=209.67' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 1.28 cfs @ 2.93 fps)

Summary for Pond D1: DMH#1

Inflow Area = 96,220 sf, 64.29% Impervious, Inflow Depth > 7.22" for 100YR event
Inflow = 15.96 cfs @ 12.10 hrs, Volume= 57,889 cf
Outflow = 15.96 cfs @ 12.10 hrs, Volume= 57,889 cf, Atten= 0%, Lag= 0.0 min
Primary = 15.96 cfs @ 12.10 hrs, Volume= 57,889 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.04' @ 12.10 hrs

Flood Elev= 208.64'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 202.64' | 24.0" Round Culvert L= 86.9' Ke= 0.500 Inlet / Outlet Invert= 202.64' / 202.19' S= 0.0052 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=15.88 cfs @ 12.10 hrs HW=205.03' TW=198.16' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 15.88 cfs @ 5.35 fps)

Summary for Pond D10: DMH #10

Inflow Area = 24,201 sf, 62.98% Impervious, Inflow Depth > 7.73" for 100YR event
Inflow = 4.59 cfs @ 12.09 hrs, Volume= 15,581 cf
Outflow = 4.59 cfs @ 12.09 hrs, Volume= 15,581 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.59 cfs @ 12.09 hrs, Volume= 15,581 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 206.53' @ 12.09 hrs

Flood Elev= 209.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 202.17' | 15.0" Round Culvert L= 240.0' Ke= 0.500 Inlet / Outlet Invert= 202.17' / 200.97' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=4.47 cfs @ 12.09 hrs HW=206.25' TW=204.79' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 4.47 cfs @ 3.65 fps)

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Summary for Pond D11: DMH #11

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 7.78" for 100YR event
Inflow = 7.45 cfs @ 12.09 hrs, Volume= 25,373 cf
Outflow = 7.45 cfs @ 12.09 hrs, Volume= 25,373 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.45 cfs @ 12.09 hrs, Volume= 25,373 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 204.99' @ 12.09 hrs
Flood Elev= 206.82'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.87' | 15.0" Round Culvert L= 221.7' Ke= 0.500 Inlet / Outlet Invert= 200.87' / 199.76' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=7.26 cfs @ 12.09 hrs HW=204.79' TW=201.16' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 7.26 cfs @ 5.92 fps)

Summary for Pond D12: DMH #12

Inflow Area = 39,145 sf, 64.08% Impervious, Inflow Depth > 7.78" for 100YR event
Inflow = 7.45 cfs @ 12.09 hrs, Volume= 25,373 cf
Outflow = 7.45 cfs @ 12.09 hrs, Volume= 25,373 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.45 cfs @ 12.09 hrs, Volume= 25,373 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= 204.62'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 199.41' | 18.0" Round Culvert L= 30.2' Ke= 0.500 Inlet / Outlet Invert= 199.41' / 199.26' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.26 cfs @ 12.09 hrs HW=201.16' TW=196.84' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 7.26 cfs @ 4.43 fps)

Summary for Pond D13: DMH #13

Inflow Area = 19,696 sf, 82.00% Impervious, Inflow Depth > 7.71" for 100YR event
Inflow = 3.73 cfs @ 12.09 hrs, Volume= 12,654 cf
Outflow = 3.73 cfs @ 12.09 hrs, Volume= 12,654 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.73 cfs @ 12.09 hrs, Volume= 12,654 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= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.17' | 15.0" Round Culvert L= 26.4' Ke= 0.500 |

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Inlet / Outlet Invert= 200.17' / 200.04' S= 0.0049 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.63 cfs @ 12.09 hrs HW=201.39' TW=196.85' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 3.63 cfs @ 3.76 fps)

Summary for Pond D14: DMH #14

Inflow Area = 18,453 sf, 86.56% Impervious, Inflow Depth > 8.49" for 100YR event
 Inflow = 3.65 cfs @ 12.09 hrs, Volume= 13,053 cf
 Outflow = 3.65 cfs @ 12.09 hrs, Volume= 13,053 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.65 cfs @ 12.09 hrs, Volume= 13,053 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= 208.10'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.15' | 15.0" Round Culvert L= 139.7' Ke= 0.500 Inlet / Outlet Invert= 204.15' / 203.45' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.56 cfs @ 12.09 hrs HW=205.46' TW=204.72' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.56 cfs @ 3.45 fps)

Summary for Pond D15: DMH #15

Inflow Area = 30,959 sf, 85.35% Impervious, Inflow Depth > 8.48" for 100YR event
 Inflow = 6.11 cfs @ 12.09 hrs, Volume= 21,878 cf
 Outflow = 6.11 cfs @ 12.09 hrs, Volume= 21,878 cf, Atten= 0%, Lag= 0.0 min
 Primary = 6.11 cfs @ 12.09 hrs, Volume= 21,878 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.78' @ 12.09 hrs

Flood Elev= 209.35'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 203.10' | 18.0" Round Culvert L= 161.8' Ke= 0.500 Inlet / Outlet Invert= 203.10' / 202.29' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.99 cfs @ 12.09 hrs HW=204.72' TW=203.82' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 5.99 cfs @ 3.91 fps)

Summary for Pond D16: DMH #16

Inflow Area = 12,506 sf, 83.55% Impervious, Inflow Depth > 8.47" for 100YR event
 Inflow = 2.47 cfs @ 12.09 hrs, Volume= 8,825 cf
 Outflow = 2.47 cfs @ 12.09 hrs, Volume= 8,825 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.47 cfs @ 12.09 hrs, Volume= 8,825 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= 205.57' @ 12.09 hrs

Flood Elev= 208.43'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 204.46' | 12.0" Round Culvert L= 110.6' Ke= 0.500 Inlet / Outlet Invert= 204.46' / 203.90' S= 0.0051 '/' 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=205.54' TW=204.72' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 2.45 cfs @ 3.57 fps)

Summary for Pond D17: DMH #17

Inflow Area = 41,419 sf, 86.20% Impervious, Inflow Depth > 8.50" for 100YR event
Inflow = 8.19 cfs @ 12.09 hrs, Volume= 29,346 cf
Outflow = 8.19 cfs @ 12.09 hrs, Volume= 29,346 cf, Atten= 0%, Lag= 0.0 min
Primary = 8.19 cfs @ 12.09 hrs, Volume= 29,346 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.92' @ 12.09 hrs

Flood Elev= 206.85'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 201.80' | 18.0" Round Culvert L= 129.0' Ke= 0.500 Inlet / Outlet Invert= 201.80' / 201.15' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.81 cfs @ 12.09 hrs HW=203.82' TW=202.18' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 7.81 cfs @ 4.42 fps)

Summary for Pond D18: DMH #18

Inflow Area = 51,153 sf, 86.94% Impervious, Inflow Depth > 8.52" for 100YR event
Inflow = 10.12 cfs @ 12.09 hrs, Volume= 36,302 cf
Outflow = 10.12 cfs @ 12.09 hrs, Volume= 36,302 cf, Atten= 0%, Lag= 0.0 min
Primary = 10.12 cfs @ 12.09 hrs, Volume= 36,302 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.21' @ 12.09 hrs

Flood Elev= 205.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 200.55' | 24.0" Round Culvert L= 150.4' Ke= 0.500 Inlet / Outlet Invert= 200.55' / 199.80' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=9.85 cfs @ 12.09 hrs HW=202.18' TW=199.63' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 9.85 cfs @ 4.90 fps)

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Summary for Pond D19: DMH #19

Inflow Area = 152,351 sf, 81.62% Impervious, Inflow Depth > 8.15" for 100YR event
 Inflow = 29.16 cfs @ 12.09 hrs, Volume= 103,463 cf
 Outflow = 29.16 cfs @ 12.09 hrs, Volume= 103,463 cf, Atten= 0%, Lag= 0.0 min
 Primary = 29.16 cfs @ 12.09 hrs, Volume= 103,463 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 199.80' @ 12.09 hrs
 Flood Elev= 205.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 195.10' | 24.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 195.10' / 195.00' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=28.40 cfs @ 12.09 hrs HW=199.63' TW=194.52' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 28.40 cfs @ 9.04 fps)

Summary for Pond D2: DMH#2

Inflow Area = 74,546 sf, 59.71% Impervious, Inflow Depth > 7.00" for 100YR event
 Inflow = 11.85 cfs @ 12.11 hrs, Volume= 43,498 cf
 Outflow = 11.85 cfs @ 12.11 hrs, Volume= 43,498 cf, Atten= 0%, Lag= 0.0 min
 Primary = 11.85 cfs @ 12.11 hrs, Volume= 43,498 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.28' @ 12.11 hrs
 Flood Elev= 209.48'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 205.59' | 18.0" Round Culvert L= 77.2' Ke= 0.500 Inlet / Outlet Invert= 205.59' / 204.46' S= 0.0146 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=11.66 cfs @ 12.11 hrs HW=208.22' TW=205.00' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 11.66 cfs @ 6.60 fps)

Summary for Pond D20: DMH #20

Inflow Area = 6,580 sf, 85.38% Impervious, Inflow Depth > 8.51" for 100YR event
 Inflow = 1.30 cfs @ 12.09 hrs, Volume= 4,667 cf
 Outflow = 1.30 cfs @ 12.09 hrs, Volume= 4,667 cf, Atten= 0%, Lag= 0.0 min
 Primary = 1.30 cfs @ 12.09 hrs, Volume= 4,667 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 197.85' @ 12.10 hrs
 Flood Elev= 204.77'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.02' | 12.0" Round Culvert L= 131.9' Ke= 0.500 |

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Inlet / Outlet Invert= 197.02' / 195.90' S= 0.0085 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf

Primary OutFlow Max=1.27 cfs @ 12.09 hrs HW=197.82' TW=197.29' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.27 cfs @ 2.59 fps)

Summary for Pond D21: DMH #21

Inflow Area = 27,407 sf, 68.98% Impervious, Inflow Depth > 8.10" for 100YR event
Inflow = 5.32 cfs @ 12.09 hrs, Volume= 18,495 cf
Outflow = 5.32 cfs @ 12.09 hrs, Volume= 18,495 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.32 cfs @ 12.09 hrs, Volume= 18,495 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.36' @ 12.11 hrs

Flood Elev= 198.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 195.55' | 15.0" Round Culvert L= 75.6' Ke= 0.500 Inlet / Outlet Invert= 195.55' / 195.17' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=5.09 cfs @ 12.09 hrs HW=197.29' TW=196.21' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 5.09 cfs @ 4.15 fps)

Summary for Pond D22: DMH #22

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 4.76" for 100YR event
Inflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf
Outflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.63' @ 12.10 hrs

Flood Elev= 206.23'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.02' | 12.0" Round Culvert L= 11.1' Ke= 0.500 Inlet / Outlet Invert= 196.02' / 195.96' S= 0.0054 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.95 cfs @ 12.10 hrs HW=196.63' TW=195.70' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.95 cfs @ 2.70 fps)

Summary for Pond D23: DMH #23

Inflow Area = 79,150 sf, 77.06% Impervious, Inflow Depth > 7.94" for 100YR event
Inflow = 14.77 cfs @ 12.09 hrs, Volume= 52,365 cf
Outflow = 14.77 cfs @ 12.09 hrs, Volume= 52,365 cf, Atten= 0%, Lag= 0.0 min
Primary = 14.77 cfs @ 12.09 hrs, Volume= 52,365 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= 201.30' @ 12.09 hrs

Flood Elev= 207.57'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.50' | 24.0" Round Culvert L= 231.7' Ke= 0.500 Inlet / Outlet Invert= 197.50' / 196.34' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=14.49 cfs @ 12.09 hrs HW=201.07' TW=199.62' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 14.49 cfs @ 4.61 fps)**Summary for Pond D24: DMH #24**

Inflow Area = 73,707 sf, 76.30% Impervious, Inflow Depth > 7.90" for 100YR event
 Inflow = 13.70 cfs @ 12.09 hrs, Volume= 48,496 cf
 Outflow = 13.70 cfs @ 12.09 hrs, Volume= 48,496 cf, Atten= 0%, Lag= 0.0 min
 Primary = 13.70 cfs @ 12.09 hrs, Volume= 48,496 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 202.69' @ 12.09 hrs

Flood Elev= 205.75'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 198.95' | 24.0" Round Culvert L= 261.4' Ke= 0.500 Inlet / Outlet Invert= 198.95' / 197.65' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=13.43 cfs @ 12.09 hrs HW=202.42' TW=201.07' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 13.43 cfs @ 4.27 fps)**Summary for Pond D25: DMH #25**

Inflow Area = 41,971 sf, 75.59% Impervious, Inflow Depth > 7.63" for 100YR event
 Inflow = 7.49 cfs @ 12.09 hrs, Volume= 26,704 cf
 Outflow = 7.49 cfs @ 12.09 hrs, Volume= 26,704 cf, Atten= 0%, Lag= 0.0 min
 Primary = 7.49 cfs @ 12.09 hrs, Volume= 26,704 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 203.31' @ 12.10 hrs

Flood Elev= 205.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 200.25' | 18.0" Round Culvert L= 139.0' Ke= 0.500 Inlet / Outlet Invert= 200.25' / 199.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.12 cfs @ 12.09 hrs HW=202.94' TW=202.42' (Dynamic Tailwater)↑**1=Culvert** (Outlet Controls 5.12 cfs @ 2.90 fps)

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Summary for Pond D26: DMH #26

Inflow Area = 34,111 sf, 79.72% Impervious, Inflow Depth > 7.64" for 100YR event
Inflow = 6.01 cfs @ 12.09 hrs, Volume= 21,730 cf
Outflow = 6.01 cfs @ 12.09 hrs, Volume= 21,730 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.01 cfs @ 12.09 hrs, Volume= 21,730 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 203.86' @ 12.11 hrs
Flood Elev= 205.18'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 201.03' | 18.0" Round Culvert L= 130.0' Ke= 0.500 Inlet / Outlet Invert= 201.03' / 200.35' S= 0.0052 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.36 cfs @ 12.09 hrs HW=203.48' TW=202.93' (Dynamic Tailwater)
↑**1=Culvert** (Outlet Controls 5.36 cfs @ 3.03 fps)

Summary for Pond D27: DMH #27

Inflow Area = 32,113 sf, 75.52% Impervious, Inflow Depth > 8.12" for 100YR event
Inflow = 6.22 cfs @ 12.09 hrs, Volume= 21,733 cf
Outflow = 6.22 cfs @ 12.09 hrs, Volume= 21,733 cf, Atten= 0%, Lag= 0.0 min
Primary = 6.22 cfs @ 12.09 hrs, Volume= 21,733 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 206.41' @ 12.09 hrs
Flood Elev= 208.27'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.24' | 15.0" Round Culvert L= 101.4' Ke= 0.200 Inlet / Outlet Invert= 204.24' / 203.73' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=6.06 cfs @ 12.09 hrs HW=206.33' TW=202.48' (Dynamic Tailwater)
↑**1=Culvert** (Barrel Controls 6.06 cfs @ 4.93 fps)

Summary for Pond D28: DMH #28

Inflow Area = 19,931 sf, 85.33% Impervious, Inflow Depth > 8.40" for 100YR event
Inflow = 3.92 cfs @ 12.09 hrs, Volume= 13,956 cf
Outflow = 3.92 cfs @ 12.09 hrs, Volume= 13,956 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.92 cfs @ 12.09 hrs, Volume= 13,956 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 207.25' @ 12.09 hrs
Flood Elev= 209.49'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 205.98' | 15.0" Round Culvert L= 134.2' Ke= 0.200 |

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Inlet / Outlet Invert= 205.98' / 204.84' S= 0.0085 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=3.82 cfs @ 12.09 hrs HW=207.21' TW=206.33' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 3.82 cfs @ 3.94 fps)

Summary for Pond D29: DMH #29

Inflow Area = 8,883 sf, 98.45% Impervious, Inflow Depth > 8.78" for 100YR event
Inflow = 1.77 cfs @ 12.09 hrs, Volume= 6,496 cf
Outflow = 1.77 cfs @ 12.09 hrs, Volume= 6,496 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.77 cfs @ 12.09 hrs, Volume= 6,496 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.59' @ 12.09 hrs

Flood Elev= 211.50'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.89' | 15.0" Round Culvert L= 194.7' Ke= 0.200 Inlet / Outlet Invert= 207.89' / 206.08' S= 0.0093 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=1.72 cfs @ 12.09 hrs HW=208.57' TW=207.21' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 1.72 cfs @ 3.64 fps)

Summary for Pond D3: DMH#3

Inflow Area = 58,126 sf, 63.23% Impervious, Inflow Depth > 7.16" for 100YR event
Inflow = 9.29 cfs @ 12.11 hrs, Volume= 34,701 cf
Outflow = 9.29 cfs @ 12.11 hrs, Volume= 34,701 cf, Atten= 0%, Lag= 0.0 min
Primary = 9.29 cfs @ 12.11 hrs, Volume= 34,701 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.15' @ 12.11 hrs

Flood Elev= 212.08'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.21' | 18.0" Round Culvert L= 162.6' Ke= 0.500 Inlet / Outlet Invert= 208.21' / 205.69' S= 0.0155 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=9.13 cfs @ 12.11 hrs HW=210.11' TW=208.21' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 9.13 cfs @ 5.17 fps)

Summary for Pond D30: DMH #30

Inflow Area = 2,853 sf, 95.16% Impervious, Inflow Depth > 8.69" for 100YR event
Inflow = 0.57 cfs @ 12.09 hrs, Volume= 2,067 cf
Outflow = 0.57 cfs @ 12.09 hrs, Volume= 2,067 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.57 cfs @ 12.09 hrs, Volume= 2,067 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= 210.22' @ 12.09 hrs

Flood Elev= 213.51'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 209.82' | 12.0" Round Culvert L= 210.6' Ke= 0.200 Inlet / Outlet Invert= 209.82' / 208.37' S= 0.0069 '/' 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=210.21' TW=208.57' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 0.55 cfs @ 2.84 fps)

Summary for Pond D31: DMH #31

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 7.66" for 100YR event
Inflow = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf
Outflow = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf, Atten= 0%, Lag= 0.0 min
Primary = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 210.98' @ 12.09 hrs

Flood Elev= 213.21'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.93' | 24.0" Round Culvert L= 172.9' Ke= 0.500 Inlet / Outlet Invert= 208.93' / 208.07' 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=210.95' TW=209.84' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 12.09 cfs @ 4.74 fps)

Summary for Pond D32: DMH #32

Inflow Area = 66,633 sf, 74.03% Impervious, Inflow Depth > 7.66" for 100YR event
Inflow = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf
Outflow = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf, Atten= 0%, Lag= 0.0 min
Primary = 12.35 cfs @ 12.09 hrs, Volume= 42,553 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 209.87' @ 12.09 hrs

Flood Elev= 213.72'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.97' | 24.0" Round Culvert L= 145.3' Ke= 0.500 Inlet / Outlet Invert= 207.97' / 207.24' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=12.08 cfs @ 12.09 hrs HW=209.84' TW=205.47' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 12.08 cfs @ 5.12 fps)

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Summary for Pond D33: DMH #33

Inflow Area = 39,630 sf, 67.94% Impervious, Inflow Depth > 7.39" for 100YR event
Inflow = 7.13 cfs @ 12.09 hrs, Volume= 24,416 cf
Outflow = 7.13 cfs @ 12.09 hrs, Volume= 24,416 cf, Atten= 0%, Lag= 0.0 min
Primary = 7.13 cfs @ 12.09 hrs, Volume= 24,416 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= 216.93'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 213.14' | 18.0" Round Culvert L= 239.6' Ke= 0.500 Inlet / Outlet Invert= 213.14' / 209.53' S= 0.0151 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=7.02 cfs @ 12.09 hrs HW=214.56' TW=210.96' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 7.02 cfs @ 4.06 fps)

Summary for Pond D34: DMH #34

Inflow Area = 29,672 sf, 59.94% Impervious, Inflow Depth > 7.04" for 100YR event
Inflow = 5.17 cfs @ 12.10 hrs, Volume= 17,402 cf
Outflow = 5.17 cfs @ 12.10 hrs, Volume= 17,402 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.17 cfs @ 12.10 hrs, Volume= 17,402 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 218.14' @ 12.10 hrs
Flood Elev= 220.90'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 216.75' | 15.0" Round Culvert L= 197.2' Ke= 0.500 Inlet / Outlet Invert= 216.75' / 213.49' S= 0.0165 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=5.10 cfs @ 12.10 hrs HW=218.12' TW=214.56' (Dynamic Tailwater)
↑**1=Culvert** (Inlet Controls 5.10 cfs @ 4.16 fps)

Summary for Pond D35: DMH #35

Inflow Area = 10,354 sf, 82.21% Impervious, Inflow Depth > 8.05" for 100YR event
Inflow = 2.01 cfs @ 12.09 hrs, Volume= 6,945 cf
Outflow = 2.01 cfs @ 12.09 hrs, Volume= 6,945 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.01 cfs @ 12.09 hrs, Volume= 6,945 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 220.35' @ 12.09 hrs
Flood Elev= 223.36'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 219.65' | 15.0" Round Culvert L= 119.8' Ke= 0.500 |

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Inlet / Outlet Invert= 219.65' / 217.45' S= 0.0184 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf

Primary OutFlow Max=1.95 cfs @ 12.09 hrs HW=220.34' TW=218.09' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 1.95 cfs @ 2.82 fps)

Summary for Pond D36: DMH #36

Inflow Area = 2,955 sf, 84.50% Impervious, Inflow Depth > 8.15" for 100YR event
Inflow = 0.58 cfs @ 12.09 hrs, Volume= 2,008 cf
Outflow = 0.58 cfs @ 12.09 hrs, Volume= 2,008 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.58 cfs @ 12.09 hrs, Volume= 2,008 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 221.75' @ 12.09 hrs

Flood Elev= 224.99'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 221.35' | 12.0" Round Culvert L= 183.7' Ke= 0.500 Inlet / Outlet Invert= 221.35' / 220.01' S= 0.0073 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.56 cfs @ 12.09 hrs HW=221.75' TW=220.34' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.56 cfs @ 2.85 fps)

Summary for Pond D37: DMH #37

Inflow Area = 87,090 sf, 45.77% Impervious, Inflow Depth > 5.07" for 100YR event
Inflow = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf
Outflow = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf, Atten= 0%, Lag= 0.0 min
Primary = 10.48 cfs @ 12.15 hrs, Volume= 36,807 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 200.71' @ 12.15 hrs

Flood Elev= 204.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 197.93' | 18.0" Round Culvert L= 91.7' Ke= 0.500 Inlet / Outlet Invert= 197.93' / 197.47' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=10.48 cfs @ 12.15 hrs HW=200.70' TW=198.88' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 10.48 cfs @ 5.93 fps)

Summary for Pond D38: DMH #38

Inflow Area = 105,070 sf, 53.12% Impervious, Inflow Depth > 4.56" for 100YR event
Inflow = 12.03 cfs @ 12.16 hrs, Volume= 39,942 cf
Outflow = 12.03 cfs @ 12.16 hrs, Volume= 39,942 cf, Atten= 0%, Lag= 0.0 min
Primary = 12.03 cfs @ 12.16 hrs, Volume= 39,942 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= 198.88' @ 12.16 hrs

Flood Elev= 207.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.98' | 24.0" Round Culvert L= 96.5' Ke= 0.500 Inlet / Outlet Invert= 196.98' / 196.50' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |

Primary OutFlow Max=11.98 cfs @ 12.16 hrs HW=198.88' TW=0.00' (Dynamic Tailwater)

↑**1=Culvert** (Barrel Controls 11.98 cfs @ 5.01 fps)

Summary for Pond D39: DMH #39

[62] Hint: Exceeded Reach 16R OUTLET depth by 0.08' @ 12.10 hrs

Inflow Area = 7,555 sf, 42.86% Impervious, Inflow Depth > 4.76" for 100YR event
Inflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf
Outflow = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf, Atten= 0%, Lag= 0.0 min
Primary = 0.95 cfs @ 12.10 hrs, Volume= 2,998 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 197.19' @ 12.10 hrs

Flood Elev= 201.00'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 196.59' | 12.0" Round Culvert L= 94.6' Ke= 0.500 Inlet / Outlet Invert= 196.59' / 196.12' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.95 cfs @ 12.10 hrs HW=197.19' TW=196.63' (Dynamic Tailwater)

↑**1=Culvert** (Outlet Controls 0.95 cfs @ 2.76 fps)

Summary for Pond D4: DMH#4

Inflow Area = 25,801 sf, 77.75% Impervious, Inflow Depth > 7.85" for 100YR event
Inflow = 4.52 cfs @ 12.10 hrs, Volume= 16,873 cf
Outflow = 4.52 cfs @ 12.10 hrs, Volume= 16,873 cf, Atten= 0%, Lag= 0.0 min
Primary = 4.52 cfs @ 12.10 hrs, Volume= 16,873 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 212.44' @ 12.10 hrs

Flood Elev= 215.44'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 211.40' | 18.0" Round Culvert L= 207.6' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 208.37' S= 0.0146 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=4.48 cfs @ 12.10 hrs HW=212.43' TW=210.13' (Dynamic Tailwater)

↑**1=Culvert** (Inlet Controls 4.48 cfs @ 3.46 fps)

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Summary for Pond D5: DMH#5

Inflow Area = 20,252 sf, 79.19% Impervious, Inflow Depth > 7.88" for 100YR event
 Inflow = 3.50 cfs @ 12.11 hrs, Volume= 13,293 cf
 Outflow = 3.50 cfs @ 12.11 hrs, Volume= 13,293 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.50 cfs @ 12.11 hrs, Volume= 13,293 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.77' @ 12.11 hrs
 Flood Elev= 217.56'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 213.79' | 15.0" Round Culvert L= 131.1' Ke= 0.500 Inlet / Outlet Invert= 213.79' / 212.00' S= 0.0137 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.23 sf |

Primary OutFlow Max=3.44 cfs @ 12.11 hrs HW=214.76' TW=212.42' (Dynamic Tailwater)
 ↑**1=Culvert** (Inlet Controls 3.44 cfs @ 3.36 fps)

Summary for Pond D6: DMH #6

Inflow Area = 12,554 sf, 74.45% Impervious, Inflow Depth > 8.06" for 100YR event
 Inflow = 2.41 cfs @ 12.09 hrs, Volume= 8,436 cf
 Outflow = 2.41 cfs @ 12.09 hrs, Volume= 8,436 cf, Atten= 0%, Lag= 0.0 min
 Primary = 2.41 cfs @ 12.09 hrs, Volume= 8,436 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.68' @ 12.09 hrs
 Flood Elev= 213.11'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 208.77' | 18.0" Round Culvert L= 118.1' Ke= 0.500 Inlet / Outlet Invert= 208.77' / 208.18' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=2.35 cfs @ 12.09 hrs HW=209.67' TW=209.10' (Dynamic Tailwater)
 ↑**1=Culvert** (Outlet Controls 2.35 cfs @ 3.06 fps)

Summary for Pond D7: DMH #7

Inflow Area = 17,415 sf, 70.17% Impervious, Inflow Depth > 7.94" for 100YR event
 Inflow = 3.32 cfs @ 12.09 hrs, Volume= 11,516 cf
 Outflow = 3.32 cfs @ 12.09 hrs, Volume= 11,516 cf, Atten= 0%, Lag= 0.0 min
 Primary = 3.32 cfs @ 12.09 hrs, Volume= 11,516 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.12' @ 12.09 hrs
 Flood Elev= 214.31'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 208.08' | 18.0" Round Culvert L= 302.5' Ke= 0.500 |

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Inlet / Outlet Invert= 208.08' / 206.57' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf

Primary OutFlow Max=3.24 cfs @ 12.09 hrs HW=209.10' TW=207.73' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 3.24 cfs @ 3.57 fps)

Summary for Pond D8: DMH #8

Inflow Area = 31,356 sf, 66.18% Impervious, Inflow Depth > 7.81" for 100YR event
Inflow = 5.96 cfs @ 12.09 hrs, Volume= 20,419 cf
Outflow = 5.96 cfs @ 12.09 hrs, Volume= 20,419 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.96 cfs @ 12.09 hrs, Volume= 20,419 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.76' @ 12.09 hrs

Flood Elev= 213.05'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.33' | 18.0" Round Culvert L= 91.3' Ke= 0.500 Inlet / Outlet Invert= 206.33' / 205.83' S= 0.0055 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |

Primary OutFlow Max=5.80 cfs @ 12.09 hrs HW=207.73' TW=202.48' (Dynamic Tailwater)

↑1=Culvert (Barrel Controls 5.80 cfs @ 4.40 fps)

Summary for Pond D9: DMH #9

Inflow Area = 5,322 sf, 63.89% Impervious, Inflow Depth > 7.75" for 100YR event
Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,435 cf
Outflow = 1.01 cfs @ 12.09 hrs, Volume= 3,435 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.01 cfs @ 12.09 hrs, Volume= 3,435 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.65' @ 12.09 hrs

Flood Elev= 212.02'

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|---|
| #1 | Primary | 207.02' | 12.0" Round Culvert L= 277.2' Ke= 0.500 Inlet / Outlet Invert= 207.02' / 202.80' S= 0.0152 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |

Primary OutFlow Max=0.96 cfs @ 12.09 hrs HW=207.62' TW=206.25' (Dynamic Tailwater)

↑1=Culvert (Outlet Controls 0.96 cfs @ 2.82 fps)

Summary for Pond DE1: DRIP #1

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,057 cf
Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 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= 224.65' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 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' | 390 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 | 322 | 0.0 | 0 | 0 | |
| 222.00 | 322 | 40.0 | 1 | 1 | |
| 224.99 | 322 | 40.0 | 385 | 386 | |
| 225.00 | 322 | 100.0 | 3 | 390 | |

| 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 @ 4.38 fps)

Summary for Pond DE10: DRIP #10

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.84' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | | |
|--------|---------|---------------|--|--|--|
| #1 | 211.29' | 351 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 211.29 | 290 | 0.0 | 0 | 0 |
| 211.30 | 290 | 40.0 | 1 | 1 |
| 214.29 | 290 | 40.0 | 347 | 348 |
| 214.30 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=213.83' TW=202.82' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

Summary for Pond DE11: DRIP #11

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= 1,073 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 857 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.26' @ 12.16 hrs Surf.Area= 322 sf Storage= 344 cf

Plug-Flow detention time= 55.0 min calculated for 1,926 cf (100% of inflow)
 Center-of-Mass det. time= 54.7 min (808.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 210.59' | 390 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 | 322 | 0.0 | 0 | 0 |
| 210.60 | 322 | 40.0 | 1 | 1 |
| 213.59 | 322 | 40.0 | 385 | 386 |
| 213.60 | 322 | 100.0 | 3 | 390 |

| 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 |

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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 @ 9.35 hrs HW=210.62' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=213.24' TW=202.84' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.40 fps)

Summary for Pond DE12: DRIP #12

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 @ 8.90 hrs, Volume= 1,073 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 857 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.56' @ 12.16 hrs Surf.Area= 322 sf Storage= 344 cf

Plug-Flow detention time= 55.0 min calculated for 1,926 cf (100% of inflow)
 Center-of-Mass det. time= 54.7 min (808.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 209.89' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 209.89 | 322 | 0.0 | 0 |
| 209.90 | 322 | 40.0 | 1 |
| 212.89 | 322 | 40.0 | 385 |
| 212.90 | 322 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=209.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=212.54' TW=202.84' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.40 fps)

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Summary for Pond DE13: DRIP #13

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,643 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,643 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 905 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 738 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.50' @ 12.15 hrs Surf.Area= 270 sf Storage= 272 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)
 Center-of-Mass det. time= 54.0 min (808.1 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 209.00 | 270 | 40.0 | 1 | 1 |
| 211.99 | 270 | 40.0 | 323 | 324 |
| 212.00 | 270 | 100.0 | 3 | 327 |

| 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 @ 9.30 hrs HW=209.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=211.50' TW=202.81' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)

Summary for Pond DE14: DRIP #14

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,388 cf
 Outflow = 0.32 cfs @ 12.15 hrs, Volume= 1,387 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.01 cfs @ 9.30 hrs, Volume= 840 cf
 Primary = 0.30 cfs @ 12.15 hrs, Volume= 548 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.71' @ 12.15 hrs Surf.Area= 268 sf Storage= 249 cf

Plug-Flow detention time= 56.0 min calculated for 1,387 cf (100% of inflow)

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Center-of-Mass det. time= 55.9 min (810.0 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.39' | 324 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 | 268 | 0.0 | 0 | 0 |
| 208.40 | 268 | 40.0 | 1 | 1 |
| 211.39 | 268 | 40.0 | 321 | 322 |
| 211.40 | 268 | 100.0 | 3 | 324 |

| 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=0.01 cfs @ 9.30 hrs HW=208.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.30 cfs @ 12.15 hrs HW=210.71' TW=202.80' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.30 cfs @ 3.45 fps)

Summary for Pond DE15: DRIP #15

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.34' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| 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 |

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| 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 @ 8.90 hrs HW=207.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=210.33' TW=202.82' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

Summary for Pond DE16: DRIP #16

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= 209.35' @ 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 | 207.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.09 | 290 | 0.0 | 0 | 0 |
| 207.10 | 290 | 40.0 | 1 | 1 |
| 210.09 | 290 | 40.0 | 347 | 348 |
| 210.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.00' | 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 | 208.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.60' / 208.55' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 10.20 hrs HW=207.12' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=209.35' TW=202.82' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)

Summary for Pond DE17: DRIP #17

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.35 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 208.64' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)
Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 290 | 0.0 | 0 | 0 |
| 206.10 | 290 | 40.0 | 1 | 1 |
| 209.09 | 290 | 40.0 | 347 | 348 |
| 209.10 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.35 hrs HW=206.12' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=208.63' TW=202.82' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

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Summary for Pond DE18: DRIP #18

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= 207.65' @ 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 | 205.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 205.39 | 290 | 0.0 | 0 | 0 |
| 205.40 | 290 | 40.0 | 1 | 1 |
| 208.39 | 290 | 40.0 | 347 | 348 |
| 208.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.30' | 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 | 206.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.90' / 206.85' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 205.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.75 hrs HW=205.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=207.65' TW=202.82' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)

Summary for Pond DE19: DRIP #19

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.94' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)

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Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 | 0 |
| 204.40 | 290 | 40.0 | 1 | 1 |
| 207.39 | 290 | 40.0 | 347 | 348 |
| 207.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=204.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=206.93' TW=198.09' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

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= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.95 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= 224.04' @ 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 | 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 |

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| 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 | 223.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 223.30' / 223.25' 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=224.03' TW=218.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.18 fps)

Summary for Pond DE20: DRIP #20

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.35 cfs @ 12.17 hrs, Volume= 1,721 cf, Atten= 27%, Lag= 4.9 min
 Discarded = 0.06 cfs @ 11.65 hrs, Volume= 1,365 cf
 Primary = 0.30 cfs @ 12.17 hrs, Volume= 356 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.99' @ 12.17 hrs Surf.Area= 290 sf Storage= 267 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 14.1 min (768.2 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 203.69 | 290 | 0.0 | 0 |
| 203.70 | 290 | 40.0 | 1 |
| 206.69 | 290 | 40.0 | 347 |
| 206.70 | 290 | 100.0 | 3 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 203.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.06 cfs @ 11.65 hrs HW=203.75' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.29 cfs @ 12.17 hrs HW=205.97' TW=198.10' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.29 cfs @ 3.32 fps)

Summary for Pond DE21: DRIP #21

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

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 = 0.24 cfs @ 12.20 hrs, Volume= 1,334 cf, Atten= 38%, Lag= 6.7 min
 Discarded = 0.06 cfs @ 11.70 hrs, Volume= 1,143 cf
 Primary = 0.18 cfs @ 12.20 hrs, Volume= 191 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 204.97' @ 12.20 hrs Surf.Area= 290 sf Storage= 230 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 14.7 min (772.8 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 202.99' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.99 | 290 | 0.0 | 0 | 0 |
| 203.00 | 290 | 40.0 | 1 | 1 |
| 205.99 | 290 | 40.0 | 347 | 348 |
| 206.00 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 204.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.70 hrs HW=203.04' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.18 cfs @ 12.20 hrs HW=204.97' TW=198.12' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.18 cfs @ 2.06 fps)

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Summary for Pond DE22: DRIP #22

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 7.72" for 100YR event
 Inflow = 0.36 cfs @ 12.09 hrs, Volume= 1,236 cf
 Outflow = 0.22 cfs @ 12.21 hrs, Volume= 1,236 cf, Atten= 39%, Lag= 7.2 min
 Discarded = 0.06 cfs @ 11.70 hrs, Volume= 1,067 cf
 Primary = 0.17 cfs @ 12.21 hrs, Volume= 169 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.52' @ 12.21 hrs Surf.Area= 290 sf Storage= 224 cf

Plug-Flow detention time= 15.5 min calculated for 1,236 cf (100% of inflow)
 Center-of-Mass det. time= 15.4 min (790.4 - 774.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 202.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 202.59 | 290 | 0.0 | 0 0 |
| 202.60 | 290 | 40.0 | 1 1 |
| 205.59 | 290 | 40.0 | 347 348 |
| 205.60 | 290 | 100.0 | 3 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.50' | 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 | 204.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.10' / 204.05' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.59' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.70 hrs HW=202.63' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.17 cfs @ 12.21 hrs HW=204.51' TW=198.13' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.17 cfs @ 1.95 fps)

Summary for Pond DE23: DRIP #23

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 7.85" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,288 cf
 Outflow = 0.26 cfs @ 12.18 hrs, Volume= 1,288 cf, Atten= 32%, Lag= 5.5 min
 Discarded = 0.05 cfs @ 11.65 hrs, Volume= 1,069 cf
 Primary = 0.21 cfs @ 12.18 hrs, Volume= 218 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= 204.91' @ 12.18 hrs Surf.Area= 268 sf Storage= 216 cf

Plug-Flow detention time= 15.0 min calculated for 1,285 cf (100% of inflow)

Center-of-Mass det. time= 14.9 min (786.8 - 771.9)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 202.89' | 324 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---------------------|----------------------|--------------|---------------------------|---------------------------|
| 202.89 | 268 | 0.0 | 0 | 0 |
| 202.90 | 268 | 40.0 | 1 | 1 |
| 205.89 | 268 | 40.0 | 321 | 322 |
| 205.90 | 268 | 100.0 | 3 | 324 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.80' | 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 | 204.40' | 4.0" Round Culvert L= 10.0' Ke= 0.200 Inlet / Outlet Invert= 204.40' / 204.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.89' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.05 cfs @ 11.65 hrs HW=202.91' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.05 cfs)**Primary OutFlow** Max=0.20 cfs @ 12.18 hrs HW=204.90' TW=196.95' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.20 cfs @ 2.32 fps)**Summary for Pond DE24: DRIP #24**

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

| | |
|---------------|---|
| Inflow Area = | 2,741 sf, 88.25% Impervious, Inflow Depth > 7.97" for 100YR event |
| Inflow = | 0.53 cfs @ 12.09 hrs, Volume= 1,820 cf |
| Outflow = | 0.32 cfs @ 12.20 hrs, Volume= 1,820 cf, Atten= 39%, Lag= 7.0 min |
| Discarded = | 0.06 cfs @ 11.65 hrs, Volume= 1,503 cf |
| Primary = | 0.26 cfs @ 12.20 hrs, Volume= 316 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.38' @ 12.20 hrs Surf.Area= 322 sf Storage= 346 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 20.9 min (789.7 - 768.8)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 202.69' | 390 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 202.69 | 322 | 0.0 | 0 | 0 |
| 202.70 | 322 | 40.0 | 1 | 1 |
| 205.69 | 322 | 40.0 | 385 | 386 |
| 205.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 205.60' | 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 | 204.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 204.65' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.69' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.06 cfs @ 11.65 hrs HW=202.74' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.06 cfs)

Primary OutFlow Max=0.26 cfs @ 12.20 hrs HW=205.37' TW=198.14' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.26 cfs @ 2.96 fps)

Summary for Pond DE25: DRIP #25

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.47 cfs @ 12.09 hrs, Volume= 1,622 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,622 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.75 hrs, Volume= 909 cf
 Primary = 0.35 cfs @ 12.16 hrs, Volume= 712 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.20' @ 12.16 hrs Surf.Area= 290 sf Storage= 292 cf

Plug-Flow detention time= 56.3 min calculated for 1,622 cf (100% of inflow)
 Center-of-Mass det. time= 56.2 min (824.9 - 768.8)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 203.69' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 203.69 | 290 | 0.0 | 0 | 0 |
| 203.70 | 290 | 40.0 | 1 | 1 |
| 206.69 | 290 | 40.0 | 347 | 348 |
| 206.70 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 206.60' | 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 | 205.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 205.20' / 205.15' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf
 #3 Discarded 203.69' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.02 cfs @ 9.75 hrs HW=203.72' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.16 hrs HW=206.20' TW=198.13' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.01 fps)

Summary for Pond DE26: DRIP #26

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.37 cfs @ 12.09 hrs, Volume= 1,275 cf
 Outflow = 0.29 cfs @ 12.16 hrs, Volume= 1,275 cf, Atten= 21%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 10.05 hrs, Volume= 822 cf
 Primary = 0.28 cfs @ 12.16 hrs, Volume= 454 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.63' @ 12.16 hrs Surf.Area= 290 sf Storage= 260 cf

Plug-Flow detention time= 59.9 min calculated for 1,275 cf (100% of inflow)
 Center-of-Mass det. time= 59.8 min (828.5 - 768.8)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 204.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 204.39 | 290 | 0.0 | 0 0 |
| 204.40 | 290 | 40.0 | 1 1 |
| 207.39 | 290 | 40.0 | 347 348 |
| 207.40 | 290 | 100.0 | 3 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 207.30' | 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 | 205.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.90' / 205.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 204.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 10.05 hrs HW=204.40' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.27 cfs @ 12.16 hrs HW=206.62' TW=198.13' (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 DE27: DRIP #27

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 7.97" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,308 cf
 Outflow = 0.31 cfs @ 12.15 hrs, Volume= 1,308 cf, Atten= 18%, Lag= 3.6 min
 Discarded = 0.01 cfs @ 10.05 hrs, Volume= 687 cf
 Primary = 0.30 cfs @ 12.15 hrs, Volume= 621 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.39' @ 12.15 hrs Surf.Area= 268 sf Storage= 140 cf

Plug-Flow detention time= 18.7 min calculated for 1,308 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (787.4 - 768.8)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 217 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 268 | 0.0 | 0 | 0 |
| 206.10 | 268 | 40.0 | 1 | 1 |
| 208.09 | 268 | 40.0 | 213 | 214 |
| 208.10 | 268 | 100.0 | 3 | 217 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 208.00' | 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 | 206.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 10.05 hrs HW=206.11' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.30 cfs @ 12.15 hrs HW=207.39' TW=198.13' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.30 cfs @ 3.38 fps)

Summary for Pond DE28: DRIP #28

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,958 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,958 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.25 hrs, Volume= 1,091 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 867 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.77' @ 12.16 hrs Surf.Area= 322 sf Storage= 345 cf

Plug-Flow detention time= 54.4 min calculated for 1,958 cf (100% of inflow)

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Center-of-Mass det. time= 54.3 min (803.9 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.09' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 322 | 0.0 | 0 | 0 |
| 206.10 | 322 | 40.0 | 1 | 1 |
| 209.09 | 322 | 40.0 | 385 | 386 |
| 209.10 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 207.60' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 207.60' / 207.55' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.25 hrs HW=206.12' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.39 cfs @ 12.16 hrs HW=208.75' TW=198.13' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.39 cfs @ 4.42 fps)**Summary for Pond DE29: DRIP #29**

| | |
|---------------|---|
| Inflow Area = | 2,333 sf, 88.43% Impervious, Inflow Depth > 8.57" for 100YR event |
| Inflow = | 0.46 cfs @ 12.09 hrs, Volume= 1,667 cf |
| Outflow = | 0.37 cfs @ 12.15 hrs, Volume= 1,666 cf, Atten= 20%, Lag= 3.9 min |
| Discarded = | 0.02 cfs @ 9.20 hrs, Volume= 855 cf |
| Primary = | 0.35 cfs @ 12.15 hrs, Volume= 811 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 208.51' @ 12.15 hrs Surf.Area= 270 sf Storage= 207 cf

Plug-Flow detention time= 31.4 min calculated for 1,663 cf (100% of inflow)

Center-of-Mass det. time= 31.3 min (780.9 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 206.59' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.59 | 270 | 0.0 | 0 | 0 |
| 206.60 | 270 | 40.0 | 1 | 1 |
| 209.59 | 270 | 40.0 | 323 | 324 |
| 209.60 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 209.50' | 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 | 207.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.20 hrs HW=206.62' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=208.51' TW=198.13' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.04 fps)

Summary for Pond DE3: DRIP #3

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 891 cf
 Primary = 0.35 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= 222.50' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 219.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 219.99 | 270 | 0.0 | 0 0 |
| 220.00 | 270 | 40.0 | 1 1 |
| 222.99 | 270 | 40.0 | 323 324 |
| 223.00 | 270 | 100.0 | 3 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 222.90' | 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 | 221.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 221.50' / 221.45' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 219.99' | 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=220.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=222.49' 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 > 8.57" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,958 cf
 Outflow = 0.41 cfs @ 12.16 hrs, Volume= 1,958 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.25 hrs, Volume= 1,033 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 925 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.42' @ 12.16 hrs Surf.Area= 322 sf Storage= 287 cf

Plug-Flow detention time= 37.2 min calculated for 1,958 cf (100% of inflow)
 Center-of-Mass det. time= 37.1 min (786.7 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.19 | 322 | 0.0 | 0 | 0 |
| 207.20 | 322 | 40.0 | 1 | 1 |
| 210.19 | 322 | 40.0 | 385 | 386 |
| 210.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.10' | 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 | 208.25' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.25' / 208.20' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.25 hrs HW=207.22' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.39 cfs @ 12.16 hrs HW=209.40' TW=198.13' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.39 cfs @ 4.43 fps)

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Summary for Pond DE31: DRIP #31

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= 1,073 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 857 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.16' @ 12.16 hrs Surf.Area= 322 sf Storage= 344 cf

Plug-Flow detention time= 55.0 min calculated for 1,926 cf (100% of inflow)
 Center-of-Mass det. time= 54.7 min (808.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.35 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=210.14' TW=202.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.40 fps)

Summary for Pond DE32: DRIP #32

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,643 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,643 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 905 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 738 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.00' @ 12.15 hrs Surf.Area= 270 sf Storage= 272 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= 54.0 min (808.1 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 208.49' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.49 | 270 | 0.0 | 0 | 0 |
| 208.50 | 270 | 40.0 | 1 | 1 |
| 211.49 | 270 | 40.0 | 323 | 324 |
| 211.50 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 211.40' | 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 | 210.00' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.00' / 209.95' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=208.52' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)**Primary OutFlow** Max=0.35 cfs @ 12.15 hrs HW=211.00' TW=202.03' (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 = | 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event |
| Inflow = | 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf |
| Outflow = | 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min |
| Discarded = | 0.02 cfs @ 8.90 hrs, Volume= 962 cf |
| Primary = | 0.36 cfs @ 12.16 hrs, Volume= 758 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 211.84' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)

Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 209.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.29 | 290 | 0.0 | 0 | 0 |
| 209.30 | 290 | 40.0 | 1 | 1 |
| 212.29 | 290 | 40.0 | 347 | 348 |
| 212.30 | 290 | 100.0 | 3 | 351 |

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| 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=0.36 cfs @ 12.16 hrs HW=211.83' TW=204.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

Summary for Pond DE34: DRIP #34

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 8.90 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.84' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)
 Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------------|-------------------|---------------|--|
| #1 | 210.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 210.29 | 290 | 0.0 | 0 |
| 210.30 | 290 | 40.0 | 1 |
| 213.29 | 290 | 40.0 | 347 |
| 213.30 | 290 | 100.0 | 3 |
| Cum.Store (cubic-feet) | | | |
| | | | 0 |
| | | | 1 |
| | | | 348 |
| | | | 351 |

| 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' |

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Discarded OutFlow Max=0.02 cfs @ 8.90 hrs HW=210.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=212.83' TW=204.03' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

Summary for Pond DE35: DRIP #35

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,643 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,643 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.85 hrs, Volume= 905 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 738 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 213.40' @ 12.15 hrs Surf.Area= 270 sf Storage= 272 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)
Center-of-Mass det. time= 54.0 min (808.1 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 |
| 210.90 | 270 | 40.0 | 1 |
| 213.89 | 270 | 40.0 | 323 |
| 213.90 | 270 | 100.0 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.85 hrs HW=210.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=213.40' 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 DE36: DRIP #36

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= 1,073 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 857 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.36' @ 12.16 hrs Surf.Area= 322 sf Storage= 344 cf

Plug-Flow detention time= 55.0 min calculated for 1,926 cf (100% of inflow)
 Center-of-Mass det. time= 54.7 min (808.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.69' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.69 | 322 | 0.0 | 0 | 0 |
| 211.70 | 322 | 40.0 | 1 | 1 |
| 214.69 | 322 | 40.0 | 385 | 386 |
| 214.70 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.60' | 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 | 213.20' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.20' / 213.15' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.35 hrs HW=211.72' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=214.34' TW=207.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.40 fps)

Summary for Pond DE37: DRIP #37

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 @ 8.90 hrs, Volume= 1,073 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 857 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= 322 sf Storage= 344 cf

Plug-Flow detention time= 55.0 min calculated for 1,926 cf (100% of inflow)

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Center-of-Mass det. time= 54.7 min (808.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 211.89' | 390 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 | 322 | 0.0 | 0 | 0 |
| 211.90 | 322 | 40.0 | 1 | 1 |
| 214.89 | 322 | 40.0 | 385 | 386 |
| 214.90 | 322 | 100.0 | 3 | 390 |

| 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=207.04' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.40 fps)**Summary for Pond DE38: DRIP #39**

| | |
|---------------|---|
| Inflow Area = | 2,333 sf, 88.43% Impervious, Inflow Depth > 8.45" for 100YR event |
| Inflow = | 0.46 cfs @ 12.09 hrs, Volume= 1,643 cf |
| Outflow = | 0.37 cfs @ 12.15 hrs, Volume= 1,643 cf, Atten= 20%, Lag= 3.9 min |
| Discarded = | 0.02 cfs @ 9.30 hrs, Volume= 905 cf |
| Primary = | 0.35 cfs @ 12.15 hrs, Volume= 738 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= 270 sf Storage= 272 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)

Center-of-Mass det. time= 54.0 min (808.1 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 211.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.50 | 270 | 40.0 | 1 | 1 |
| 214.49 | 270 | 40.0 | 323 | 324 |
| 214.50 | 270 | 100.0 | 3 | 327 |

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| 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' |

Discarded OutFlow Max=0.02 cfs @ 9.30 hrs HW=211.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=214.00' TW=208.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.02 fps)

Summary for Pond DE39: DRIP #39

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' |

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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=208.01' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.24 fps)

Summary for Pond DE4: DRIP #4

Inflow Area = 2,741 sf, 88.22% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,059 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 844 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 220.65' @ 12.16 hrs Surf.Area= 323 sf Storage= 344 cf

Plug-Flow detention time= 55.4 min calculated for 1,899 cf (100% of inflow)
Center-of-Mass det. time= 55.2 min (813.3 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 217.99' | 391 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 323 | 0.0 | 0 | 0 |
| 218.00 | 323 | 40.0 | 1 | 1 |
| 220.99 | 323 | 40.0 | 386 | 388 |
| 221.00 | 323 | 100.0 | 3 | 391 |

| Device | Routing | Invert | Outlet Devices | | | | | |
|--------|-----------|---------|---|------|------|------|------|------|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 | | | | | |
| | | | Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 '/' Cc= 0.900 | | | | | |
| | | | n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf | | | | | |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' | | | | | |

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=220.63' TW=218.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

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Summary for Pond DE40: DRIP #40

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,348 cf
 Outflow = 0.31 cfs @ 12.15 hrs, Volume= 1,348 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.01 cfs @ 10.00 hrs, Volume= 816 cf
 Primary = 0.30 cfs @ 12.15 hrs, Volume= 532 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.50' @ 12.15 hrs Surf.Area= 268 sf Storage= 248 cf

Plug-Flow detention time= 57.1 min calculated for 1,345 cf (100% of inflow)
 Center-of-Mass det. time= 56.9 min (818.8 - 761.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.19' | 324 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 | 268 | 0.0 | 0 | 0 |
| 212.20 | 268 | 40.0 | 1 | 1 |
| 215.19 | 268 | 40.0 | 321 | 322 |
| 215.20 | 268 | 100.0 | 3 | 324 |

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' S= 0.0050 ' 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=0.01 cfs @ 10.00 hrs HW=212.22' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.30 cfs @ 12.15 hrs HW=214.50' TW=207.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.30 cfs @ 3.41 fps)

Summary for Pond DE41: DRIP #41

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 891 cf
 Primary = 0.35 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= 213.40' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)

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Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 210.89 | 270 | 0.0 | 0 | 0 |
| 210.90 | 270 | 40.0 | 1 | 1 |
| 213.89 | 270 | 40.0 | 323 | 324 |
| 213.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 213.80' | 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 | 212.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.40' / 212.35' S= 0.0050 '/' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 210.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=210.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=213.39' TW=207.04' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE42: DRIP #42

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 891 cf
 Primary = 0.35 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= 212.40' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.89 | 270 | 0.0 | 0 | 0 |
| 209.90 | 270 | 40.0 | 1 | 1 |
| 212.89 | 270 | 40.0 | 323 | 324 |
| 212.90 | 270 | 100.0 | 3 | 327 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.80' | 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 | 211.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.40' / 211.35' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=209.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=212.39' TW=207.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE43: DRIP #43

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 @ 9.95 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= 209.64' @ 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 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.02 cfs @ 9.95 hrs HW=207.40' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=209.63' TW=204.03' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.28 cfs @ 3.18 fps)

Summary for Pond DE44: DRIP #44

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,348 cf
 Outflow = 0.31 cfs @ 12.15 hrs, Volume= 1,348 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.01 cfs @ 10.00 hrs, Volume= 816 cf
 Primary = 0.30 cfs @ 12.15 hrs, Volume= 532 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
Peak Elev= 209.30' @ 12.15 hrs Surf.Area= 268 sf Storage= 248 cf

Plug-Flow detention time= 57.1 min calculated for 1,345 cf (100% of inflow)
Center-of-Mass det. time= 56.9 min (818.8 - 761.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.99' | 324 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 | 268 | 0.0 | 0 | 0 |
| 207.00 | 268 | 40.0 | 1 | 1 |
| 209.99 | 268 | 40.0 | 321 | 322 |
| 210.00 | 268 | 100.0 | 3 | 324 |

| 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 | 208.50' | 4.0" 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= 0.09 sf |
| #3 | Discarded | 206.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.01 cfs @ 10.00 hrs HW=207.02' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.30 cfs @ 12.15 hrs HW=209.30' TW=198.47' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.30 cfs @ 3.41 fps)

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Summary for Pond DE45: DRIP #45

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,696 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,696 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.00 hrs, Volume= 948 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 748 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 209.93' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 55.1 min calculated for 1,692 cf (100% of inflow)
 Center-of-Mass det. time= 54.9 min (813.0 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.39' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.39 | 290 | 0.0 | 0 | 0 |
| 207.40 | 290 | 40.0 | 1 | 1 |
| 210.39 | 290 | 40.0 | 347 | 348 |
| 210.40 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 210.30' | 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 | 208.90' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 208.90' / 208.85' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 207.39' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.00 hrs HW=207.40' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=209.92' TW=198.50' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.08 fps)

Summary for Pond DE46: DRIP #46

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,057 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 210.15' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 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 | 207.49' | 390 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 | 322 | 0.0 | 0 | 0 |
| 207.50 | 322 | 40.0 | 1 | 1 |
| 210.49 | 322 | 40.0 | 385 | 386 |
| 210.50 | 322 | 100.0 | 3 | 390 |

| 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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=207.52' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=210.14' TW=198.54' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

Summary for Pond DE47: DRIP #47

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 891 cf
 Primary = 0.35 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= 210.00' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 207.50 | 270 | 40.0 | 1 | 1 |
| 210.49 | 270 | 40.0 | 323 | 324 |
| 210.50 | 270 | 100.0 | 3 | 327 |

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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' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=207.52' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=209.99' TW=198.49' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE48: DRIP #48

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,696 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,696 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 948 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 748 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.13' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 55.1 min calculated for 1,692 cf (100% of inflow)
 Center-of-Mass det. time= 54.9 min (813.0 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 208.59' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 208.59 | 290 | 0.0 | 0 | 0 |
| 208.60 | 290 | 40.0 | 1 | 1 |
| 211.59 | 290 | 40.0 | 347 | 348 |
| 211.60 | 290 | 100.0 | 3 | 351 |

| 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 | 210.10' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.10' / 210.05' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 208.59' | 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=208.62' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=211.12' TW=198.50' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.36 cfs @ 4.08 fps)

Summary for Pond DE49: DRIP #49

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,057 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 211.85' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 cf (100% of inflow)
 Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 209.19' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 209.19 | 322 | 0.0 | 0 | 0 |
| 209.20 | 322 | 40.0 | 1 | 1 |
| 212.19 | 322 | 40.0 | 385 | 386 |
| 212.20 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 212.10' | 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 | 210.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 210.70' / 210.65' S= 0.0050 ' /' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 209.19' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=209.22' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=211.84' TW=198.54' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

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Summary for Pond DE5: DRIP #5

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 891 cf
 Primary = 0.35 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= 220.50' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 217.99' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 217.99 | 270 | 0.0 | 0 | 0 |
| 218.00 | 270 | 40.0 | 1 | 1 |
| 220.99 | 270 | 40.0 | 323 | 324 |
| 221.00 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 220.90' | 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 | 219.50' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 219.50' / 219.45' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 217.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.40 hrs HW=218.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=220.49' 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 DE50: DRIP #50

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 891 cf
 Primary = 0.35 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= 213.00' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)

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Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.49' | 327 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 | 270 | 0.0 | 0 | 0 |
| 210.50 | 270 | 40.0 | 1 | 1 |
| 213.49 | 270 | 40.0 | 323 | 324 |
| 213.50 | 270 | 100.0 | 3 | 327 |

| 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 @ 9.40 hrs HW=210.52' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=212.99' TW=198.49' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE51: DRIP #51

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.00 hrs, Volume= 1,057 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.95' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 cf (100% of inflow)
 Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.29' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 211.29 | 322 | 0.0 | 0 | 0 |
| 211.30 | 322 | 40.0 | 1 | 1 |
| 214.29 | 322 | 40.0 | 385 | 386 |
| 214.30 | 322 | 100.0 | 3 | 390 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 211.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.00 hrs HW=211.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=213.94' TW=209.32' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

Summary for Pond DE52: DRIP #52

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 1,057 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.85' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 cf (100% of inflow)
 Center-of-Mass det. time= 55.1 min (813.2 - 758.1)

| 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) |
| 212.19 | 322 | 0.0 | 0 |
| 212.20 | 322 | 40.0 | 1 |
| 215.19 | 322 | 40.0 | 385 |
| 215.20 | 322 | 100.0 | 3 |

| 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 | 213.70' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 213.70' / 213.65' 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' |

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Discarded OutFlow Max=0.02 cfs @ 9.45 hrs HW=212.22' (Free Discharge)

↑**3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=214.84' TW=209.32' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

Summary for Pond DE53: DRIP #53

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,696 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,696 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.45 hrs, Volume= 948 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 748 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= 295 cf

Plug-Flow detention time= 55.1 min calculated for 1,692 cf (100% of inflow)
 Center-of-Mass det. time= 54.9 min (813.0 - 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) |
| 212.99 | 290 | 0.0 | 0 |
| 213.00 | 290 | 40.0 | 1 |
| 215.99 | 290 | 40.0 | 347 |
| 216.00 | 290 | 100.0 | 3 |

| 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 @ 9.45 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=209.31' (Dynamic Tailwater)

↑**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↑**2=Culvert** (Barrel Controls 0.36 cfs @ 4.08 fps)

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Summary for Pond DE54: DRIP #54

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 8.95 hrs, Volume= 891 cf
 Primary = 0.35 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= 216.40' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 213.89' | 327 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 213.89 | 270 | 0.0 | 0 | 0 |
| 213.90 | 270 | 40.0 | 1 | 1 |
| 216.89 | 270 | 40.0 | 323 | 324 |
| 216.90 | 270 | 100.0 | 3 | 327 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 216.80' | 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 | 215.40' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.40' / 215.35' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 213.89' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 8.95 hrs HW=213.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=216.39' TW=209.31' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE55: DRIP #55

Inflow Area = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,903 cf
 Outflow = 0.40 cfs @ 12.16 hrs, Volume= 1,903 cf, Atten= 25%, Lag= 4.5 min
 Discarded = 0.02 cfs @ 9.00 hrs, Volume= 1,057 cf
 Primary = 0.39 cfs @ 12.16 hrs, Volume= 846 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 217.45' @ 12.16 hrs Surf.Area= 322 sf Storage= 343 cf

Plug-Flow detention time= 55.2 min calculated for 1,903 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 | 214.79' | 390 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.79 | 322 | 0.0 | 0 | 0 |
| 214.80 | 322 | 40.0 | 1 | 1 |
| 217.79 | 322 | 40.0 | 385 | 386 |
| 217.80 | 322 | 100.0 | 3 | 390 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 217.70' | 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 | 216.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 216.30' / 216.25' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.00 hrs HW=214.80' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.38 cfs @ 12.16 hrs HW=217.44' TW=209.32' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.38 cfs @ 4.38 fps)

Summary for Pond DE56: DRIP #56

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,620 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,619 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.40 hrs, Volume= 891 cf
 Primary = 0.35 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= 218.50' @ 12.15 hrs Surf.Area= 270 sf Storage= 271 cf

Plug-Flow detention time= 54.5 min calculated for 1,619 cf (100% of inflow)
 Center-of-Mass det. time= 54.4 min (812.5 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 215.99' | 327 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 | 270 | 0.0 | 0 | 0 |
| 216.00 | 270 | 40.0 | 1 | 1 |
| 218.99 | 270 | 40.0 | 323 | 324 |
| 219.00 | 270 | 100.0 | 3 | 327 |

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| 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 @ 9.40 hrs HW=216.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.35 cfs @ 12.15 hrs HW=218.49' TW=212.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.35 cfs @ 4.00 fps)

Summary for Pond DE57: DRIP #57

Inflow Area = 1,970 sf, 86.40% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 0.39 cfs @ 12.09 hrs, Volume= 1,348 cf
 Outflow = 0.31 cfs @ 12.15 hrs, Volume= 1,348 cf, Atten= 19%, Lag= 3.7 min
 Discarded = 0.01 cfs @ 10.00 hrs, Volume= 816 cf
 Primary = 0.30 cfs @ 12.15 hrs, Volume= 532 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 219.30' @ 12.15 hrs Surf.Area= 268 sf Storage= 248 cf

Plug-Flow detention time= 57.1 min calculated for 1,345 cf (100% of inflow)
 Center-of-Mass det. time= 56.9 min (818.8 - 761.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 216.99' | 324 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 216.99 | 268 | 0.0 | 0 |
| 217.00 | 268 | 40.0 | 1 |
| 219.99 | 268 | 40.0 | 321 |
| 220.00 | 268 | 100.0 | 3 |

| 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' |

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Discarded OutFlow Max=0.01 cfs @ 10.00 hrs HW=217.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.30 cfs @ 12.15 hrs HW=219.30' TW=212.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.30 cfs @ 3.41 fps)

Summary for Pond DE58: DRIP #58

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= 219.24' @ 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 | 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 | 218.50' | 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 @ 10.35 hrs HW=217.02' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=219.23' TW=212.02' (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 DE59: DRIP #59

Inflow Area = 1,921 sf, 84.90% Impervious, Inflow Depth > 8.21" for 100YR event
 Inflow = 0.38 cfs @ 12.09 hrs, Volume= 1,314 cf
 Outflow = 0.30 cfs @ 12.15 hrs, Volume= 1,314 cf, Atten= 21%, Lag= 4.0 min
 Discarded = 0.02 cfs @ 9.85 hrs, Volume= 844 cf
 Primary = 0.28 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= 218.05' @ 12.15 hrs Surf.Area= 290 sf Storage= 262 cf

Plug-Flow detention time= 58.7 min calculated for 1,314 cf (100% of inflow)
 Center-of-Mass det. time= 58.6 min (820.5 - 761.9)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 215.79' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 215.79 | 290 | 0.0 | 0 | 0 |
| 215.80 | 290 | 40.0 | 1 | 1 |
| 218.79 | 290 | 40.0 | 347 | 348 |
| 218.80 | 290 | 100.0 | 3 | 351 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 218.70' | 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 | 217.30' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 217.30' / 217.25' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 215.79' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.85 hrs HW=215.80' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.28 cfs @ 12.15 hrs HW=218.04' TW=212.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.28 cfs @ 3.21 fps)

Summary for Pond DE6: DRIP #6

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,721 cf
 Outflow = 0.38 cfs @ 12.16 hrs, Volume= 1,720 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.35 hrs, Volume= 962 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 758 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.04' @ 12.16 hrs Surf.Area= 290 sf Storage= 296 cf

Plug-Flow detention time= 54.7 min calculated for 1,717 cf (100% of inflow)

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Center-of-Mass det. time= 54.5 min (808.5 - 754.1)

| 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 |

| 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 @ 9.35 hrs HW=210.52' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=213.03' TW=211.51' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.10 fps)

Summary for Pond DE60: DRIP #60

Inflow Area = 2,443 sf, 88.13% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.48 cfs @ 12.09 hrs, Volume= 1,696 cf
 Outflow = 0.37 cfs @ 12.16 hrs, Volume= 1,696 cf, Atten= 22%, Lag= 4.1 min
 Discarded = 0.02 cfs @ 9.00 hrs, Volume= 948 cf
 Primary = 0.36 cfs @ 12.16 hrs, Volume= 748 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 216.83' @ 12.16 hrs Surf.Area= 290 sf Storage= 295 cf

Plug-Flow detention time= 55.1 min calculated for 1,692 cf (100% of inflow)
 Center-of-Mass det. time= 54.9 min (813.0 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 214.29' | 351 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 214.29 | 290 | 0.0 | 0 | 0 |
| 214.30 | 290 | 40.0 | 1 | 1 |
| 217.29 | 290 | 40.0 | 347 | 348 |
| 217.30 | 290 | 100.0 | 3 | 351 |

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| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 217.20' | 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 | 215.80' | 4.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 215.80' / 215.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 214.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.00 hrs HW=214.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.36 cfs @ 12.16 hrs HW=216.82' TW=212.02' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.36 cfs @ 4.08 fps)

Summary for Pond DE61: DRIP #61

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,019 cf
 Outflow = 0.74 cfs @ 12.14 hrs, Volume= 3,019 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.80 hrs, Volume= 1,410 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,609 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.72' @ 12.14 hrs Surf.Area= 471 sf Storage= 270 cf

Plug-Flow detention time= 18.8 min calculated for 3,019 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (776.7 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.03 cfs @ 8.80 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.70 cfs @ 12.14 hrs HW=213.71' TW=205.48' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.70 cfs @ 3.59 fps)

Summary for Pond DE62: DRIP #62

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,019 cf
 Outflow = 0.74 cfs @ 12.14 hrs, Volume= 3,019 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 9.10 hrs, Volume= 1,410 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,609 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 212.02' @ 12.14 hrs Surf.Area= 471 sf Storage= 270 cf

Plug-Flow detention time= 18.8 min calculated for 3,019 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (776.7 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 210.59' | 382 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 | 471 | 0.0 | 0 | 0 |
| 210.60 | 471 | 40.0 | 2 | 2 |
| 212.59 | 471 | 40.0 | 375 | 377 |
| 212.60 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 212.50' | 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 | 211.10' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 211.10' / 211.05' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 210.59' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 9.10 hrs HW=210.61' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.70 cfs @ 12.14 hrs HW=212.01' TW=206.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.70 cfs @ 3.59 fps)

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Summary for Pond DE63: DRIP #63

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.33" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,019 cf
 Outflow = 0.74 cfs @ 12.14 hrs, Volume= 3,019 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.80 hrs, Volume= 1,410 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,609 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 213.72' @ 12.14 hrs Surf.Area= 471 sf Storage= 270 cf

Plug-Flow detention time= 18.8 min calculated for 3,019 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (776.7 - 758.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 212.29' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 212.29 | 471 | 0.0 | 0 | 0 |
| 212.30 | 471 | 40.0 | 2 | 2 |
| 214.29 | 471 | 40.0 | 375 | 377 |
| 214.30 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 214.20' | 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 | 212.80' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 212.80' / 212.75' S= 0.0050 ' S= 0.0050 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 212.29' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 8.80 hrs HW=212.30' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.70 cfs @ 12.14 hrs HW=213.71' TW=206.04' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.70 cfs @ 3.59 fps)

Summary for Pond DE64: DRIP #64

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 1.16 cfs @ 12.09 hrs, Volume= 4,192 cf
 Outflow = 0.94 cfs @ 12.15 hrs, Volume= 4,192 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.03 cfs @ 8.90 hrs, Volume= 1,994 cf
 Primary = 0.91 cfs @ 12.15 hrs, Volume= 2,198 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= 605 sf Storage= 489 cf

Plug-Flow detention time= 28.7 min calculated for 4,183 cf (100% of inflow)

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Center-of-Mass det. time= 28.5 min (778.2 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.69' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 207.69 | 605 | 0.0 | 0 | 0 |
| 207.70 | 605 | 40.0 | 2 | 2 |
| 210.69 | 605 | 40.0 | 724 | 726 |
| 210.70 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 210.60' | 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 | 207.69' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 8.90 hrs HW=207.72' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.91 cfs @ 12.15 hrs HW=209.71' TW=202.15' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.91 cfs @ 4.61 fps)

Summary for Pond DE65: DRIP #65

Inflow Area = 3,434 sf, 88.24% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.68 cfs @ 12.09 hrs, Volume= 2,419 cf
 Outflow = 0.60 cfs @ 12.13 hrs, Volume= 2,418 cf, Atten= 12%, Lag= 2.8 min
 Discarded = 0.02 cfs @ 9.20 hrs, Volume= 1,184 cf
 Primary = 0.58 cfs @ 12.13 hrs, Volume= 1,234 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 208.76' @ 12.13 hrs Surf.Area= 404 sf Storage= 205 cf

Plug-Flow detention time= 18.5 min calculated for 2,413 cf (100% of inflow)
 Center-of-Mass det. time= 18.3 min (772.4 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 207.49' | 327 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 | 404 | 0.0 | 0 | 0 |
| 207.50 | 404 | 40.0 | 2 | 2 |
| 209.49 | 404 | 40.0 | 322 | 323 |
| 209.50 | 404 | 100.0 | 4 | 327 |

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| 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 | 208.00' | 6.0" 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= 0.20 sf |
| #3 | Discarded | 207.49' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.02 cfs @ 9.20 hrs HW=207.51' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=0.57 cfs @ 12.13 hrs HW=208.75' TW=202.14' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.57 cfs @ 2.88 fps)

Summary for Pond DE66: DRIP #66

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,063 cf
 Outflow = 0.75 cfs @ 12.14 hrs, Volume= 3,063 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.70 hrs, Volume= 1,435 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,628 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.33' @ 12.14 hrs Surf.Area= 471 sf Storage= 271 cf

Plug-Flow detention time= 18.7 min calculated for 3,063 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (772.6 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 205.89' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.90 | 471 | 40.0 | 2 | 2 |
| 207.89 | 471 | 40.0 | 375 | 377 |
| 207.90 | 471 | 100.0 | 5 | 382 |

| 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 @ 8.70 hrs HW=205.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.71 cfs @ 12.14 hrs HW=207.31' TW=202.14' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.71 cfs @ 3.60 fps)

Summary for Pond DE67: DRIP #67

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,063 cf
 Outflow = 0.75 cfs @ 12.14 hrs, Volume= 3,063 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 9.00 hrs, Volume= 1,435 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,628 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 205.43' @ 12.14 hrs Surf.Area= 471 sf Storage= 271 cf

Plug-Flow detention time= 18.7 min calculated for 3,063 cf (100% of inflow)
 Center-of-Mass det. time= 18.6 min (772.6 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 203.99' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 203.99 | 471 | 0.0 | 0 | 0 |
| 204.00 | 471 | 40.0 | 2 | 2 |
| 205.99 | 471 | 40.0 | 375 | 377 |
| 206.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices | | | | | |
|--------|-----------|---------|---|------|------|------|------|------|
| #1 | Primary | 205.90' | 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 | 204.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 | | | | | |
| | | | Inlet / Outlet Invert= 204.50' / 204.45' S= 0.0050 '/' Cc= 0.900 | | | | | |
| | | | n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf | | | | | |
| #3 | Discarded | 203.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' | | | | | |

Discarded OutFlow Max=0.03 cfs @ 9.00 hrs HW=204.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.71 cfs @ 12.14 hrs HW=205.41' TW=202.14' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.71 cfs @ 3.60 fps)

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Summary for Pond DE68: DRIP #68

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.81" for 100YR event
 Inflow = 0.87 cfs @ 12.09 hrs, Volume= 3,194 cf
 Outflow = 0.75 cfs @ 12.14 hrs, Volume= 3,194 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.75 hrs, Volume= 1,523 cf
 Primary = 0.73 cfs @ 12.14 hrs, Volume= 1,671 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.44' @ 12.14 hrs Surf.Area= 471 sf Storage= 272 cf

Plug-Flow detention time= 18.5 min calculated for 3,194 cf (100% of inflow)
 Center-of-Mass det. time= 18.4 min (757.7 - 739.3)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 8.75 hrs HW=205.01' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.71 cfs @ 12.14 hrs HW=206.42' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.71 cfs @ 3.64 fps)

Summary for Pond DE69: DRIP #69

Inflow Area = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,063 cf
 Outflow = 0.75 cfs @ 12.14 hrs, Volume= 3,063 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 9.00 hrs, Volume= 1,435 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,628 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 206.43' @ 12.14 hrs Surf.Area= 471 sf Storage= 271 cf

Plug-Flow detention time= 18.7 min calculated for 3,063 cf (100% of inflow)

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Center-of-Mass det. time= 18.6 min (772.6 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 204.99' | 382 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 | 471 | 0.0 | 0 | 0 |
| 205.00 | 471 | 40.0 | 2 | 2 |
| 206.99 | 471 | 40.0 | 375 | 377 |
| 207.00 | 471 | 100.0 | 5 | 382 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 206.90' | 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 | 205.50' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 205.50' / 205.45' 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 @ 9.00 hrs HW=205.01' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)**Primary OutFlow** Max=0.71 cfs @ 12.14 hrs HW=206.41' TW=0.00' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.71 cfs @ 3.60 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 = 4,349 sf, 89.17% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.86 cfs @ 12.09 hrs, Volume= 3,063 cf
 Outflow = 0.75 cfs @ 12.14 hrs, Volume= 3,063 cf, Atten= 13%, Lag= 2.9 min
 Discarded = 0.03 cfs @ 8.70 hrs, Volume= 1,435 cf
 Primary = 0.72 cfs @ 12.14 hrs, Volume= 1,628 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 207.33' @ 12.14 hrs Surf.Area= 471 sf Storage= 271 cf

Plug-Flow detention time= 18.7 min calculated for 3,063 cf (100% of inflow)

Center-of-Mass det. time= 18.6 min (772.6 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 205.89' | 382 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) |
| 205.89 | 471 | 0.0 | 0 |
| 205.90 | 471 | 40.0 | 2 |
| 207.89 | 471 | 40.0 | 375 |
| 207.90 | 471 | 100.0 | 5 |
| | | | Cum.Store (cubic-feet) |
| | | | 0 |
| | | | 2 |
| | | | 377 |
| | | | 382 |

| 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 @ 8.70 hrs HW=205.90' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.71 cfs @ 12.14 hrs HW=207.31' TW=202.73' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.71 cfs @ 3.60 fps)

Summary for Pond DE71: DRIP #71

Inflow Area = 5,868 sf, 89.69% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 1.16 cfs @ 12.09 hrs, Volume= 4,192 cf
 Outflow = 0.94 cfs @ 12.15 hrs, Volume= 4,192 cf, Atten= 19%, Lag= 3.8 min
 Discarded = 0.03 cfs @ 8.90 hrs, Volume= 1,921 cf
 Primary = 0.91 cfs @ 12.15 hrs, Volume= 2,270 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 207.81' @ 12.15 hrs Surf.Area= 605 sf Storage= 416 cf

Plug-Flow detention time= 19.3 min calculated for 4,192 cf (100% of inflow)
 Center-of-Mass det. time= 19.2 min (768.8 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 206.09' | 732 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 206.09 | 605 | 0.0 | 0 | 0 |
| 206.10 | 605 | 40.0 | 2 | 2 |
| 209.09 | 605 | 40.0 | 724 | 726 |
| 209.10 | 605 | 100.0 | 6 | 732 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 209.00' | 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 | 206.60' | 6.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 206.60' / 206.55' S= 0.0050 ' / ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.20 sf |
| #3 | Discarded | 206.09' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.03 cfs @ 8.90 hrs HW=206.12' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.91 cfs @ 12.15 hrs HW=207.81' TW=202.80' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 0.91 cfs @ 4.61 fps)

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Summary for Pond DE8: DRIP #8

Inflow Area = 2,333 sf, 88.43% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.46 cfs @ 12.09 hrs, Volume= 1,643 cf
 Outflow = 0.37 cfs @ 12.15 hrs, Volume= 1,643 cf, Atten= 20%, Lag= 3.9 min
 Discarded = 0.02 cfs @ 9.30 hrs, Volume= 905 cf
 Primary = 0.35 cfs @ 12.15 hrs, Volume= 738 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= 270 sf Storage= 272 cf

Plug-Flow detention time= 54.3 min calculated for 1,640 cf (100% of inflow)
 Center-of-Mass det. time= 54.0 min (808.1 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 211.59' | 327 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 | 270 | 0.0 | 0 | 0 |
| 211.60 | 270 | 40.0 | 1 | 1 |
| 214.59 | 270 | 40.0 | 323 | 324 |
| 214.60 | 270 | 100.0 | 3 | 327 |

| 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 @ 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 = 2,741 sf, 88.25% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 0.54 cfs @ 12.09 hrs, Volume= 1,931 cf
 Outflow = 0.35 cfs @ 12.19 hrs, Volume= 1,930 cf, Atten= 35%, Lag= 6.0 min
 Discarded = 0.03 cfs @ 9.95 hrs, Volume= 1,297 cf
 Primary = 0.33 cfs @ 12.19 hrs, Volume= 633 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 214.31' @ 12.19 hrs Surf.Area= 449 sf Storage= 434 cf

Plug-Flow detention time= 60.1 min calculated for 1,926 cf (100% of inflow)

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Center-of-Mass det. time= 59.8 min (813.9 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 211.89' | 543 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 | 449 | 0.0 | 0 0 |
| 211.90 | 449 | 40.0 | 2 2 |
| 214.89 | 449 | 40.0 | 537 539 |
| 214.90 | 449 | 100.0 | 4 543 |

| 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=0.03 cfs @ 9.95 hrs HW=211.90' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.03 cfs)

Primary OutFlow Max=0.32 cfs @ 12.19 hrs HW=214.30' TW=211.53' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 0.32 cfs @ 3.72 fps)

Summary for Pond DEB1: DRIP #B1

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 17,980 sf, 88.68% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 3.57 cfs @ 12.09 hrs, Volume= 12,846 cf
 Outflow = 1.99 cfs @ 12.21 hrs, Volume= 12,845 cf, Atten= 44%, Lag= 7.7 min
 Discarded = 0.39 cfs @ 11.65 hrs, Volume= 9,710 cf
 Primary = 1.60 cfs @ 12.21 hrs, Volume= 3,134 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.54' @ 12.21 hrs Surf.Area= 2,035 sf Storage= 2,073 cf

Plug-Flow detention time= 11.2 min calculated for 12,818 cf (100% of inflow)
 Center-of-Mass det. time= 11.1 min (760.7 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 3,276 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) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 2,035 | 0.0 | 0 | 0 |
| 202.00 | 2,035 | 40.0 | 8 | 8 |
| 205.99 | 2,035 | 40.0 | 3,248 | 3,256 |
| 206.00 | 2,035 | 100.0 | 20 | 3,276 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 203.00' | 8.0" Round Culvert L= 50.0' Ke= 0.500 Inlet / Outlet Invert= 203.00' / 202.50' S= 0.0100 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.99' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.39 cfs @ 11.65 hrs HW=202.07' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.39 cfs)

Primary OutFlow Max=1.59 cfs @ 12.21 hrs HW=204.52' TW=198.82' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Barrel Controls 1.59 cfs @ 4.56 fps)

Summary for Pond DEB2: DRIP #B2

Inflow Area = 17,498 sf, 90.17% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 3.47 cfs @ 12.09 hrs, Volume= 12,501 cf
 Outflow = 2.70 cfs @ 12.15 hrs, Volume= 12,499 cf, Atten= 22%, Lag= 4.0 min
 Discarded = 0.10 cfs @ 8.75 hrs, Volume= 5,941 cf
 Primary = 2.61 cfs @ 12.15 hrs, Volume= 6,558 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 204.92' @ 12.17 hrs Surf.Area= 1,720 sf Storage= 2,019 cf

Plug-Flow detention time= 38.3 min calculated for 12,473 cf (100% of inflow)

Center-of-Mass det. time= 38.1 min (787.7 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|--|
| #1 | 201.99' | 2,081 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |

| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|------------------|-------------------|-----------|------------------------|------------------------|
| 201.99 | 1,720 | 0.0 | 0 | 0 |
| 202.00 | 1,720 | 40.0 | 7 | 7 |
| 204.99 | 1,720 | 40.0 | 2,057 | 2,064 |
| 205.00 | 1,720 | 100.0 | 17 | 2,081 |

| Device | Routing | Invert | Outlet Devices |
|--------|---------|---------|--|
| #1 | Primary | 204.90' | 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 | 203.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 |

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Inlet / Outlet Invert= 203.00' / 202.95' S= 0.0050 '/ n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf
 #3 Discarded 201.99' **2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.10 cfs @ 8.75 hrs HW=202.02' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.10 cfs)

Primary OutFlow Max=2.53 cfs @ 12.15 hrs HW=204.91' TW=196.65' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 0.42 cfs @ 0.27 fps)
 ↳ **2=Culvert** (Inlet Controls 2.11 cfs @ 6.05 fps)

Summary for Pond DEB3: DRIP #B3

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=2)

Inflow Area = 17,772 sf, 89.71% Impervious, Inflow Depth > 8.45" for 100YR event
 Inflow = 3.51 cfs @ 12.09 hrs, Volume= 12,518 cf
 Outflow = 2.40 cfs @ 12.22 hrs, Volume= 12,517 cf, Atten= 32%, Lag= 8.0 min
 Discarded = 0.35 cfs @ 11.55 hrs, Volume= 8,830 cf
 Primary = 2.05 cfs @ 12.22 hrs, Volume= 3,687 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.10' @ 12.20 hrs Surf.Area= 1,829 sf Storage= 1,909 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
 Center-of-Mass det. time= 7.7 min (761.8 - 754.1)

| Volume | Invert | Avail.Storage | Storage Description | |
|------------------|-------------------|---------------|--|------------------------|
| #1 | 201.49' | 2,945 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 201.49 | 1,829 | 0.0 | 0 | 0 |
| 201.50 | 1,829 | 40.0 | 7 | 7 |
| 205.49 | 1,829 | 40.0 | 2,919 | 2,926 |
| 205.50 | 1,829 | 100.0 | 18 | 2,945 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.35 cfs @ 11.55 hrs HW=201.53' (Free Discharge)
 ↳ **3=Exfiltration** (Exfiltration Controls 0.35 cfs)

Primary OutFlow Max=1.97 cfs @ 12.22 hrs HW=204.05' TW=202.39' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)
 ↳ **2=Culvert** (Barrel Controls 1.97 cfs @ 5.63 fps)

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Summary for Pond DEB4: DRIP #B4

[87] Warning: Oscillations may require smaller dt or Finer Routing (severity=1)

Inflow Area = 17,682 sf, 89.23% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 3.51 cfs @ 12.09 hrs, Volume= 12,633 cf
 Outflow = 2.45 cfs @ 12.24 hrs, Volume= 12,632 cf, Atten= 30%, Lag= 8.9 min
 Discarded = 0.36 cfs @ 11.60 hrs, Volume= 9,049 cf
 Primary = 2.08 cfs @ 12.24 hrs, Volume= 3,583 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 204.00' @ 12.19 hrs Surf.Area= 1,904 sf Storage= 1,913 cf

Plug-Flow detention time= 7.5 min calculated for 12,632 cf (100% of inflow)
 Center-of-Mass det. time= 7.5 min (757.1 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|---------------|--|
| #1 | 201.49' | 3,065 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) Cum.Store (cubic-feet) |
| 201.49 | 1,904 | 0.0 | 0 0 |
| 201.50 | 1,904 | 40.0 | 8 8 |
| 205.49 | 1,904 | 40.0 | 3,039 3,046 |
| 205.50 | 1,904 | 100.0 | 19 3,065 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.40' | 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 | 202.00' | 8.0" Round Culvert L= 10.0' Ke= 0.500 Inlet / Outlet Invert= 202.00' / 201.95' S= 0.0050 1' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.35 sf |
| #3 | Discarded | 201.49' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.36 cfs @ 11.60 hrs HW=201.54' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.36 cfs)

Primary OutFlow Max=2.10 cfs @ 12.24 hrs HW=203.90' TW=202.14' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Inlet Controls 2.10 cfs @ 6.03 fps)

Summary for Pond DECH: DRIP #CH

Inflow Area = 5,112 sf, 87.56% Impervious, Inflow Depth > 8.57" for 100YR event
 Inflow = 1.01 cfs @ 12.09 hrs, Volume= 3,652 cf
 Outflow = 0.56 cfs @ 12.20 hrs, Volume= 3,652 cf, Atten= 45%, Lag= 6.8 min
 Discarded = 0.04 cfs @ 9.40 hrs, Volume= 1,849 cf
 Primary = 0.53 cfs @ 12.20 hrs, Volume= 1,802 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= 205.49' @ 12.22 hrs Surf.Area= 636 sf Storage= 635 cf

Plug-Flow detention time= 21.8 min calculated for 3,652 cf (100% of inflow)

Center-of-Mass det. time= 21.7 min (771.4 - 749.6)

| Volume | Invert | Avail.Storage | Storage Description | |
|---------------------|----------------------|---------------|--|---------------------------|
| #1 | 202.99' | 770 cf | Custom Stage Data (Prismatic) Listed below (Recalc) | |
| Elevation (feet) | Surf.Area (sq-ft) | Voids (%) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 202.99 | 636 | 0.0 | 0 | 0 |
| 203.00 | 636 | 40.0 | 3 | 3 |
| 205.99 | 636 | 40.0 | 761 | 763 |
| 206.00 | 636 | 100.0 | 6 | 770 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 205.90' | 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 | 203.50' | 4.0" Round Culvert L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 203.50' / 202.00' S= 0.0500 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.09 sf |
| #3 | Discarded | 202.99' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.04 cfs @ 9.40 hrs HW=203.02' (Free Discharge)↳ **3=Exfiltration** (Exfiltration Controls 0.04 cfs)**Primary OutFlow** Max=0.53 cfs @ 12.20 hrs HW=205.47' TW=202.20' (Dynamic Tailwater)↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)↳ **2=Culvert** (Barrel Controls 0.53 cfs @ 6.02 fps)**Summary for Pond P204: STORMTECH INFILTRATION SYSTEM**

Inflow Area = 44,905 sf, 77.23% Impervious, Inflow Depth > 6.69" for 100YR event
 Inflow = 7.26 cfs @ 12.10 hrs, Volume= 25,053 cf
 Outflow = 4.90 cfs @ 12.22 hrs, Volume= 25,049 cf, Atten= 32%, Lag= 7.3 min
 Discarded = 0.22 cfs @ 10.20 hrs, Volume= 10,894 cf
 Primary = 4.68 cfs @ 12.22 hrs, Volume= 14,155 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 196.81' @ 12.22 hrs Surf.Area= 3,927 sf Storage= 5,772 cf

Plug-Flow detention time= 38.2 min calculated for 24,997 cf (100% of inflow)

Center-of-Mass det. time= 38.0 min (798.6 - 760.6)

| Volume | Invert | Avail.Storage | Storage Description |
|--------|---------|---------------|---|
| #1A | 194.00' | 3,542 cf | 38.17'W x 102.88'L x 2.83'H STORMTECH SC-310 11,125 cf Overall - 2,270 cf Embedded = 8,855 cf x 40.0% Voids |
| #2A | 195.00' | 2,270 cf | ADS_StormTech SC-310 +Cap x 154 Inside #1 Effective Size= 28.9"W x 16.0"H => 2.07 sf x 7.12'L = 14.7 cf Overall Size= 34.0"W x 16.0"H x 7.56'L with 0.44' Overlap 154 Chambers in 11 Rows |

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5,812 cf Total Available Storage

Storage Group A created with Chamber Wizard

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 194.90' | 12.0" Round Culvert L= 20.0' Ke= 0.200 Inlet / Outlet Invert= 194.90' / 194.80' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 0.79 sf |
| #2 | Discarded | 194.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.22 cfs @ 10.20 hrs HW=194.03' (Free Discharge)

↳ **2=Exfiltration** (Exfiltration Controls 0.22 cfs)

Primary OutFlow Max=4.64 cfs @ 12.22 hrs HW=196.79' TW=195.00' (Dynamic Tailwater)

↳ **1=Culvert** (Barrel Controls 4.64 cfs @ 5.90 fps)

Summary for Pond P205: INFILTRATION POND #5

| | |
|---------------|--|
| Inflow Area = | 254,301 sf, 42.05% Impervious, Inflow Depth > 5.53" for 100YR event |
| Inflow = | 25.61 cfs @ 12.12 hrs, Volume= 117,265 cf |
| Outflow = | 16.44 cfs @ 12.43 hrs, Volume= 110,508 cf, Atten= 36%, Lag= 18.8 min |
| Discarded = | 0.52 cfs @ 12.43 hrs, Volume= 20,741 cf |
| Primary = | 15.91 cfs @ 12.43 hrs, Volume= 89,766 cf |

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 199.25' @ 12.43 hrs Surf.Area= 9,359 sf Storage= 28,156 cf

Plug-Flow detention time= 61.9 min calculated for 110,508 cf (94% of inflow)

Center-of-Mass det. time= 31.1 min (840.5 - 809.4)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.00' | 38,186 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.00 | 4,110 | 0 | 0 |
| 196.00 | 5,205 | 4,658 | 4,658 |
| 198.00 | 7,652 | 12,857 | 17,515 |
| 200.00 | 10,380 | 18,032 | 35,547 |
| 200.25 | 10,739 | 2,640 | 38,186 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 199.10' | 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 2.63 |
| #2 | Primary | 193.00' | 18.0" Round Culvert L= 46.0' Ke= 0.500 Inlet / Outlet Invert= 193.00' / 192.00' S= 0.0217 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.25' | 18.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Discarded | 195.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.52 cfs @ 12.43 hrs HW=199.25' (Free Discharge)

↳ **4=Exfiltration** (Exfiltration Controls 0.52 cfs)

Primary OutFlow Max=15.81 cfs @ 12.43 hrs HW=199.25' TW=192.53' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 3.05 cfs @ 1.03 fps)

↳ **2=Culvert** (Passes 12.76 cfs of 19.95 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 12.76 cfs @ 7.22 fps)

Summary for Pond P206: INFILTRATION POND #4

Inflow Area = 78,505 sf, 54.69% Impervious, Inflow Depth > 6.21" for 100YR event
 Inflow = 11.82 cfs @ 12.09 hrs, Volume= 40,647 cf
 Outflow = 9.82 cfs @ 12.16 hrs, Volume= 40,641 cf, Atten= 17%, Lag= 4.2 min
 Discarded = 1.14 cfs @ 12.16 hrs, Volume= 29,702 cf
 Primary = 8.68 cfs @ 12.16 hrs, Volume= 10,939 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 196.97' @ 12.16 hrs Surf.Area= 5,958 sf Storage= 7,397 cf

Plug-Flow detention time= 24.2 min calculated for 40,641 cf (100% of inflow)
 Center-of-Mass det. time= 24.1 min (805.0 - 780.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 195.50' | 14,163 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 195.50 | 3,860 | 0 | 0 |
| 196.00 | 4,830 | 2,173 | 2,173 |
| 198.00 | 7,160 | 11,990 | 14,163 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|---|
| #1 | Primary | 197.00' | 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 | 194.00' | 18.0" Round Culvert L= 20.0' Ke= 0.500 Inlet / Outlet Invert= 194.00' / 193.00' S= 0.0500 ' S _c = 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Device 2 | 196.30' | 18.0" W x 3.2" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 196.70' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Discarded | 195.50' | 8.270 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=1.14 cfs @ 12.16 hrs HW=196.96' (Free Discharge)

↳ **5=Exfiltration** (Exfiltration Controls 1.14 cfs)

Primary OutFlow Max=8.36 cfs @ 12.16 hrs HW=196.96' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

↳ **2=Culvert** (Passes 8.36 cfs of 12.65 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 1.39 cfs @ 3.49 fps)

↳ **4=Orifice/Grate** (Weir Controls 6.96 cfs @ 1.67 fps)

Summary for Pond P207: INFILTRATION POND #3

Inflow Area = 176,771 sf, 70.76% Impervious, Inflow Depth > 7.28" for 100YR event
 Inflow = 30.11 cfs @ 12.09 hrs, Volume= 107,238 cf
 Outflow = 15.41 cfs @ 12.25 hrs, Volume= 95,440 cf, Atten= 49%, Lag= 9.8 min
 Discarded = 0.88 cfs @ 12.25 hrs, Volume= 46,611 cf
 Primary = 14.53 cfs @ 12.25 hrs, Volume= 48,829 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 194.97' @ 12.25 hrs Surf.Area= 15,690 sf Storage= 37,822 cf

Plug-Flow detention time= 134.4 min calculated for 95,440 cf (89% of inflow)
 Center-of-Mass det. time= 81.6 min (844.1 - 762.5)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 192.00' | 55,227 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 192.00 | 10,200 | 0 | 0 |
| 194.00 | 13,500 | 23,700 | 23,700 |
| 196.00 | 18,027 | 31,527 | 55,227 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 194.75' | 15.0' 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 | 192.00' | 24.0" Round Culvert X 2.00 L= 30.0' Ke= 0.500 Inlet / Outlet Invert= 192.00' / 191.85' S= 0.0050 '/ Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 3.14 sf |
| #3 | Device 2 | 193.50' | 18.0" W x 3.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #4 | Device 2 | 194.00' | 18.0" W x 6.0" H Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #5 | Device 2 | 194.75' | 48.0" x 48.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads |
| #6 | Discarded | 192.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

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Discarded OutFlow Max=0.88 cfs @ 12.25 hrs HW=194.97' (Free Discharge)

↳ **6=Exfiltration** (Exfiltration Controls 0.88 cfs)

Primary OutFlow Max=14.50 cfs @ 12.25 hrs HW=194.97' TW=0.00' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 4.07 cfs @ 1.25 fps)

↳ **2=Culvert** (Passes 10.43 cfs of 38.93 cfs potential flow)

↳ **3=Orifice/Grate** (Orifice Controls 2.09 cfs @ 5.58 fps)

↳ **4=Orifice/Grate** (Orifice Controls 3.04 cfs @ 4.06 fps)

↳ **5=Orifice/Grate** (Weir Controls 5.30 cfs @ 1.52 fps)

Summary for Pond P210: INFILTRATION POND #1

Inflow Area = 102,075 sf, 59.72% Impervious, Inflow Depth > 6.98" for 100YR event
 Inflow = 17.81 cfs @ 12.09 hrs, Volume= 59,395 cf
 Outflow = 16.55 cfs @ 12.12 hrs, Volume= 57,098 cf, Atten= 7%, Lag= 2.0 min
 Discarded = 0.40 cfs @ 12.12 hrs, Volume= 21,957 cf
 Primary = 16.15 cfs @ 12.12 hrs, Volume= 35,141 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3

Peak Elev= 205.49' @ 12.12 hrs Surf.Area= 7,210 sf Storage= 9,389 cf

Plug-Flow detention time= 65.6 min calculated for 56,980 cf (96% of inflow)

Center-of-Mass det. time= 43.4 min (824.7 - 781.4)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 204.00' | 17,383 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 204.00 | 5,368 | 0 | 0 |
| 206.00 | 7,835 | 13,203 | 13,203 |
| 206.50 | 8,884 | 4,180 | 17,383 |

| 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 | 204.70' | 18.0" Round Culvert L= 24.0' Ke= 0.500 Inlet / Outlet Invert= 204.70' / 203.00' S= 0.0708 ' S= 0.0708 ' Cc= 0.900 n= 0.013 Corrugated PE, smooth interior, Flow Area= 1.77 sf |
| #3 | Discarded | 204.00' | 2.410 in/hr Exfiltration over Surface area |

Discarded OutFlow Max=0.40 cfs @ 12.12 hrs HW=205.48' (Free Discharge)

↳ **3=Exfiltration** (Exfiltration Controls 0.40 cfs)

Primary OutFlow Max=15.70 cfs @ 12.12 hrs HW=205.48' TW=202.46' (Dynamic Tailwater)

↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 12.88 cfs @ 1.67 fps)

↳ **2=Culvert** (Inlet Controls 2.82 cfs @ 3.02 fps)

19097 Post-Development

Prepared by Howard Stein Hudson

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Pond P212: INFILTRATION POND #2

Inflow Area = 165,235 sf, 47.56% Impervious, Inflow Depth > 6.18" for 100YR event
 Inflow = 19.52 cfs @ 12.11 hrs, Volume= 85,077 cf
 Outflow = 14.28 cfs @ 12.30 hrs, Volume= 69,954 cf, Atten= 27%, Lag= 11.8 min
 Discarded = 0.67 cfs @ 12.30 hrs, Volume= 33,602 cf
 Primary = 13.61 cfs @ 12.30 hrs, Volume= 36,352 cf

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs / 3
 Peak Elev= 202.99' @ 12.30 hrs Surf.Area= 12,019 sf Storage= 25,736 cf

Plug-Flow detention time= 145.2 min calculated for 69,809 cf (82% of inflow)
 Center-of-Mass det. time= 79.8 min (867.8 - 787.9)

| Volume | Invert | Avail.Storage | Storage Description |
|------------------|-------------------|------------------------|--|
| #1 | 200.00' | 38,775 cf | Custom Stage Data (Prismatic) Listed below (Recalc) |
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
| 200.00 | 2,737 | 0 | 0 |
| 201.00 | 8,272 | 5,505 | 5,505 |
| 202.00 | 10,150 | 9,211 | 14,716 |
| 204.00 | 13,909 | 24,059 | 38,775 |

| Device | Routing | Invert | Outlet Devices |
|--------|-----------|---------|--|
| #1 | Primary | 202.65' | 25.0' 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 | Discarded | 200.00' | 2.410 in/hr Exfiltration over Surface area Phase-In= 0.01' |

Discarded OutFlow Max=0.67 cfs @ 12.30 hrs HW=202.99' (Free Discharge)
 ↳ **2=Exfiltration** (Exfiltration Controls 0.67 cfs)

Primary OutFlow Max=13.60 cfs @ 12.30 hrs HW=202.99' TW=199.70' (Dynamic Tailwater)
 ↳ **1=Broad-Crested Rectangular Weir** (Weir Controls 13.60 cfs @ 1.58 fps)

Summary for Link AP1: ANALYSIS POINT 1

Inflow Area = 6,539 sf, 66.08% Impervious, Inflow Depth > 7.23" for 100YR event
 Inflow = 1.19 cfs @ 12.09 hrs, Volume= 3,942 cf
 Primary = 1.19 cfs @ 12.09 hrs, Volume= 3,942 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 = 779,830 sf, 17.89% Impervious, Inflow Depth > 5.88" for 100YR event
 Inflow = 57.84 cfs @ 12.35 hrs, Volume= 382,365 cf
 Primary = 57.84 cfs @ 12.35 hrs, Volume= 382,365 cf, Atten= 0%, Lag= 0.0 min

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

19097 Post-Development

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Type III 24-hr 100YR Rainfall=9.06"

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Summary for Link AP3: ANALYSIS POINT 3

Inflow Area = 45,041 sf, 8.61% Impervious, Inflow Depth > 5.86" for 100YR event
Inflow = 7.06 cfs @ 12.09 hrs, Volume= 21,983 cf
Primary = 7.06 cfs @ 12.09 hrs, Volume= 21,983 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 = 1,750,335 sf, 29.39% Impervious, Inflow Depth > 4.23" for 100YR event
Inflow = 108.83 cfs @ 12.35 hrs, Volume= 616,721 cf
Primary = 108.83 cfs @ 12.35 hrs, Volume= 616,721 cf, Atten= 0%, Lag= 0.0 min

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