Head (feet) 0.20 0.40 0.60 0.80 1.00
Coef. (English) 2.80 2.92 3.08 3.30 3.32

Primary OutFlow Max=2.57 cfs @ 12.12 hrs HW=288.07' TW=285.96' (Dynamic Tailwater)
└**1=Culvert** (Inlet Controls 2.57 cfs @ 4.37 fps)

Secondary OutFlow Max=62.18 cfs @ 12.12 hrs HW=288.07' TW=285.68' (Dynamic Tailwater)
└**2=Broad-Crested Rectangular Weir** (Weir Controls 62.18 cfs @ 2.31 fps)

Summary for Pond 342.2: Drywell C (1.02 in/hr) (0.5' Deep)

Inflow Area = 0.023 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.23 cfs @ 12.00 hrs, Volume= 0.016 af
Outflow = 0.23 cfs @ 12.01 hrs, Volume= 0.016 af, Atten= 3%, Lag= 0.5 min
Discarded = 0.01 cfs @ 9.54 hrs, Volume= 0.010 af
Primary = 0.22 cfs @ 12.01 hrs, Volume= 0.005 af
Routed to Pond 343 : 2X 15" Pipe

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.10' @ 12.01 hrs Surf.Area= 310 sf Storage= 117 cf

Plug-Flow detention time= 77.5 min calculated for 0.016 af (100% of inflow)
Center-of-Mass det. time= 77.5 min (812.4 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	998.50'	26 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 78 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	42 cf	**6.00'D x 1.50'H Pipe Storage** -Impervious
		78 cf	x 2.00 = 156 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
998.50	155	0	0
999.00	155	78	78

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	998.50'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 2.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.01 cfs @ 9.54 hrs HW=998.52' (Free Discharge)
└**1=Exfiltration** (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.22 cfs @ 12.01 hrs HW=1,000.10' TW=309.11' (Dynamic Tailwater)
└**2=Dome Grate** (Weir Controls 0.22 cfs @ 1.04 fps)

Summary for Pond 343: 2X 15" Pipe

Inflow Area = 2.067 ac, 34.01% Impervious, Inflow Depth = 5.23" for 100-Year event
Inflow = 12.27 cfs @ 12.10 hrs, Volume= 0.901 af
Outflow = 12.27 cfs @ 12.10 hrs, Volume= 0.901 af, Atten= 0%, Lag= 0.0 min
Primary = 12.27 cfs @ 12.10 hrs, Volume= 0.901 af
Routed to Reach 344 : Swale

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 309.86' @ 12.10 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	307.90'	**15.00" Round Culvert X 2.00** L= 44.8' Ke= 0.500 Inlet / Outlet Invert= 307.90' / 307.68' S= 0.0049 '/' Cc= 0.900 n= 0.012, Flow Area= 1.23 sf

Primary OutFlow Max=12.26 cfs @ 12.10 hrs HW=309.86' TW=308.19' (Dynamic Tailwater)
1=Culvert (Barrel Controls 12.26 cfs @ 5.00 fps)

Summary for Pond 347: Forebay F West (278, 287)

Inflow Area = 2.704 ac, 33.58% Impervious, Inflow Depth = 5.23" for 100-Year event
Inflow = 15.17 cfs @ 12.09 hrs, Volume= 1.178 af
Outflow = 15.17 cfs @ 12.09 hrs, Volume= 1.176 af, Atten= 0%, Lag= 0.0 min
Primary = 1.07 cfs @ 12.24 hrs, Volume= 0.092 af
Routed to Pond 350 : WQ Pond F (283, 287)(2.41in/hr)
Secondary = 15.17 cfs @ 12.09 hrs, Volume= 1.084 af
Routed to Pond 352 : QP Pond F (280, 287.1) (2.41 in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 286.81' @ 12.34 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	281.00'	**6.00" Round Culvert X 2.00** L= 31.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 281.00' / 281.00' S= 0.0000 '/' Cc= 0.900 n= 0.012, Flow Area= 0.20 sf
#2	Secondary	285.00'	**19.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32

Primary OutFlow Max=1.02 cfs @ 12.24 hrs HW=286.67' TW=286.30' (Dynamic Tailwater)
1=Culvert (Outlet Controls 1.02 cfs @ 2.59 fps)

Secondary OutFlow Max=13.07 cfs @ 12.09 hrs HW=285.43' TW=285.24' (Dynamic Tailwater)
2=Broad-Crested Rectangular Weir (Weir Controls 13.07 cfs @ 1.59 fps)

Summary for Pond 349.2: Drywell A (1.02 in/hr) (2' Deep)

Inflow Area = 0.023 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.23 cfs @ 12.00 hrs, Volume= 0.016 af
Outflow = 0.22 cfs @ 12.01 hrs, Volume= 0.016 af, Atten= 4%, Lag= 0.6 min
Discarded = 0.00 cfs @ 2.98 hrs, Volume= 0.003 af
Primary = 0.22 cfs @ 12.01 hrs, Volume= 0.012 af
Routed to Pond 350 : WQ Pond F (283, 287)(2.41in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.28' @ 12.01 hrs Surf.Area= 58 sf Storage= 44 cf

Plug-Flow detention time= 71.4 min calculated for 0.016 af (100% of inflow)
Center-of-Mass det. time= 71.4 min (806.3 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#2	997.00'	38 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 116 cf Overall x 33.0% Voids
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		48 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	58	0	0
999.00	58	116	116

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Orifice** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 2.98 hrs HW=997.04' (Free Discharge)
↑—**1=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.22 cfs @ 12.01 hrs HW=1,000.28' TW=285.93' (Dynamic Tailwater)
↑—**2=Dome Orifice** (Orifice Controls 0.22 cfs @ 2.55 fps)

Summary for Pond 349.4: Drywell D (1.02 in/hr) (2' Deep)

Inflow Area = 0.046 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.47 cfs @ 12.00 hrs, Volume= 0.032 af
Outflow = 0.46 cfs @ 12.00 hrs, Volume= 0.032 af, Atten= 1%, Lag= 0.2 min
Discarded = 0.00 cfs @ 2.87 hrs, Volume= 0.007 af
Primary = 0.46 cfs @ 12.00 hrs, Volume= 0.025 af
Routed to Pond 350 : WQ Pond F (283, 287)(2.41in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.10' @ 12.00 hrs Surf.Area= 112 sf Storage= 83 cf

Plug-Flow detention time= 69.7 min calculated for 0.032 af (100% of inflow)
Center-of-Mass det. time= 69.8 min (804.7 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	997.00'	18 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 56 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		29 cf	x 4.00 = 114 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	28	0	0
999.00	28	56	56

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 4.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 2.87 hrs HW=997.04' (Free Discharge)
↑—**1=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.46 cfs @ 12.00 hrs HW=1,000.10' TW=285.93' (Dynamic Tailwater)
↑—**2=Dome Grate** (Weir Controls 0.46 cfs @ 1.05 fps)

Summary for Pond 350: WQ Pond F (283, 287)(2.41in/hr)

Inflow Area = 20.268 ac, 11.89% Impervious, Inflow Depth = 1.31" for 100-Year event
Inflow = 6.89 cfs @ 12.20 hrs, Volume= 2.204 af
Outflow = 7.40 cfs @ 12.41 hrs, Volume= 2.204 af, Atten= 0%, Lag= 12.4 min
Discarded = 0.37 cfs @ 12.40 hrs, Volume= 0.744 af
Primary = 7.03 cfs @ 12.41 hrs, Volume= 1.460 af
Routed to Pond 352 : QP Pond F (280, 287.1) (2.41 in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 286.79' @ 12.40 hrs Surf.Area= 6,604 sf Storage= 18,154 cf

Plug-Flow detention time= 183.9 min calculated for 2.204 af (100% of inflow)
Center-of-Mass det. time= 183.9 min (1,124.4 - 940.5)

Volume	Invert	Avail.Storage	Storage Description
#1	283.00'	19,581 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
283.00	2,554	0	0
284.00	4,088	3,321	3,321
286.00	5,845	9,933	13,254
287.00	6,809	6,327	19,581

Device	Routing	Invert	Outlet Devices
#1	Discarded	283.00'	**2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	285.75'	**20.0' long x 14.0' 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) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Discarded OutFlow Max=0.37 cfs @ 12.40 hrs HW=286.78' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.37 cfs)

Primary OutFlow Max=7.49 cfs @ 12.41 hrs HW=286.78' TW=286.78' (Dynamic Tailwater)
2=Broad-Crested Rectangular Weir (Weir Controls 7.49 cfs @ 0.36 fps)

Summary for Pond 352: QP Pond F (280, 287.1) (2.41 in/hr)

Inflow Area = 20.892 ac, 11.54% Impervious, Inflow Depth = 3.62" for 100-Year event
Inflow = 83.39 cfs @ 12.12 hrs, Volume= 6.308 af
Outflow = 39.81 cfs @ 12.33 hrs, Volume= 4.503 af, Atten= 52%, Lag= 12.5 min
Discarded = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
Secondary = 39.81 cfs @ 12.33 hrs, Volume= 4.503 af
Routed to Reach 352C : Wetland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 286.81' @ 12.33 hrs Surf.Area= 23,419 sf Storage= 94,693 cf

Plug-Flow detention time= 148.6 min calculated for 4.503 af (71% of inflow)
Center-of-Mass det. time= 59.8 min (894.2 - 834.3)

Volume	Invert	Avail.Storage	Storage Description
#1	280.00'	101,592 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
280.00	2,334	0	0
281.00	5,023	3,679	3,679
282.00	9,013	7,018	10,697
283.00	12,495	10,754	21,451
284.00	17,957	15,226	36,677
285.00	19,850	18,904	55,580
286.00	21,796	20,823	76,403
287.10	24,003	25,189	101,592

Device	Routing	Invert	Outlet Devices
#1	Secondary	286.10'	**25.0' long x 16.0' breadth Overflow 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	280.00'	**0.482 in/hr Exfiltration X 0.00 over Surface area** Phase-In= 0.01'

Discarded OutFlow Max=0.00 cfs @ 0.00 hrs HW=280.00' (Free Discharge)
└**2=Exfiltration** (Controls 0.00 cfs)

Secondary OutFlow Max=39.80 cfs @ 12.33 hrs HW=286.81' TW=282.25' (Dynamic Tailwater)
└**1=Overflow Weir** (Weir Controls 39.80 cfs @ 2.25 fps)

Summary for Pond 352.2: Drywell D (1.02 in/hr) (2' Deep)

Inflow Area = 0.069 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.70 cfs @ 12.00 hrs, Volume= 0.047 af
Outflow = 0.69 cfs @ 12.00 hrs, Volume= 0.047 af, Atten= 1%, Lag= 0.2 min
Discarded = 0.00 cfs @ 2.87 hrs, Volume= 0.010 af
Primary = 0.69 cfs @ 12.00 hrs, Volume= 0.037 af
Routed to Reach 352A : Upland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.10' @ 12.00 hrs Surf.Area= 168 sf Storage= 124 cf

Plug-Flow detention time= 69.7 min calculated for 0.047 af (100% of inflow)
Center-of-Mass det. time= 69.8 min (804.7 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	997.00'	18 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 56 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		29 cf	x 6.00 = 172 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	28	0	0
999.00	28	56	56

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 6.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 2.87 hrs HW=997.04' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.69 cfs @ 12.00 hrs HW=1,000.10' TW=313.02' (Dynamic Tailwater)
2=Dome Grate (Weir Controls 0.69 cfs @ 1.05 fps)

Summary for Pond 352.4: Drywell H (1.02 in/hr) (2' Deep)

Inflow Area = 0.436 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 4.44 cfs @ 12.00 hrs, Volume= 0.300 af
Outflow = 4.39 cfs @ 12.00 hrs, Volume= 0.300 af, Atten= 1%, Lag= 0.2 min
Discarded = 0.05 cfs @ 6.33 hrs, Volume= 0.119 af
Primary = 4.34 cfs @ 12.00 hrs, Volume= 0.181 af
Routed to Reach 352B : Upland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.10' @ 12.00 hrs Surf.Area= 2,128 sf Storage= 1,487 cf

Plug-Flow detention time= 113.6 min calculated for 0.300 af (100% of inflow)
Center-of-Mass det. time= 113.6 min (848.6 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	997.00'	37 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 112 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		47 cf	x 38.00 = 1,789 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	56	0	0
999.00	56	112	112

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 38.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.05 cfs @ 6.33 hrs HW=997.04' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.05 cfs)

Primary OutFlow Max=4.31 cfs @ 12.00 hrs HW=1,000.10' TW=335.03' (Dynamic Tailwater)
2=Dome Grate (Weir Controls 4.31 cfs @ 1.05 fps)

Summary for Pond 353.2: Drywell B (1.02 in/hr) (1' Deep)

Inflow Area = 0.069 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.70 cfs @ 12.00 hrs, Volume= 0.047 af
Outflow = 0.67 cfs @ 12.01 hrs, Volume= 0.047 af, Atten= 4%, Lag= 0.6 min
Discarded = 0.01 cfs @ 4.97 hrs, Volume= 0.014 af
Primary = 0.67 cfs @ 12.01 hrs, Volume= 0.033 af
Routed to Reach 354 : Swale G

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.28' @ 12.01 hrs Surf.Area= 285 sf Storage= 111 cf

Plug-Flow detention time= 49.0 min calculated for 0.047 af (100% of inflow)
Center-of-Mass det. time= 49.1 min (784.0 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	998.00'	31 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 95 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		41 cf	x 3.00 = 124 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
998.00	95	0	0
999.00	95	95	95

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	998.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 3.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.01 cfs @ 4.97 hrs HW=998.03' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.66 cfs @ 12.01 hrs HW=1,000.28' TW=169.81' (Dynamic Tailwater)
2=Dome Grate (Orifice Controls 0.66 cfs @ 2.54 fps)

Summary for Pond 356.2: Drywell A (1.02 in/hr) (2' Deep)

Inflow Area = 0.069 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.70 cfs @ 12.00 hrs, Volume= 0.047 af
Outflow = 0.67 cfs @ 12.01 hrs, Volume= 0.047 af, Atten= 4%, Lag= 0.6 min
Discarded = 0.00 cfs @ 2.98 hrs, Volume= 0.010 af
Primary = 0.67 cfs @ 12.01 hrs, Volume= 0.037 af
Routed to Pond 357 : Forebay G (162.5, 167.5)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.28' @ 12.01 hrs Surf.Area= 174 sf Storage= 132 cf

Plug-Flow detention time= 71.4 min calculated for 0.047 af (100% of inflow)
Center-of-Mass det. time= 71.4 min (806.3 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#2	997.00'	38 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 116 cf Overall x 33.0% Voids
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		48 cf	x 3.00 = 145 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	58	0	0
999.00	58	116	116

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Orifice X 3.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 2.98 hrs HW=997.04' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.67 cfs @ 12.01 hrs HW=1,000.28' TW=166.07' (Dynamic Tailwater)
2=Dome Orifice (Orifice Controls 0.67 cfs @ 2.55 fps)

Summary for Pond 356.4: Drywell C (1.02 in/hr) (0.5' Deep)

Inflow Area = 0.023 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.23 cfs @ 12.00 hrs, Volume= 0.016 af
Outflow = 0.21 cfs @ 12.02 hrs, Volume= 0.016 af, Atten= 10%, Lag= 1.1 min
Discarded = 0.00 cfs @ 7.26 hrs, Volume= 0.007 af
Primary = 0.21 cfs @ 12.02 hrs, Volume= 0.009 af
Routed to Pond 357 : Forebay G (162.5, 167.5)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.24' @ 12.02 hrs Surf.Area= 155 sf Storage= 66 cf

Plug-Flow detention time= 63.9 min calculated for 0.016 af (100% of inflow)
Center-of-Mass det. time= 63.9 min (798.8 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	998.50'	26 cf	**Drywell Storage (Prismatic)** Listed below (Recalc)
			78 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	42 cf	**6.00'D x 1.50'H Pipe Storage** -Impervious
		78 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
998.50	155	0	0
999.00	155	78	78

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	998.50'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 7.26 hrs HW=998.52' (Free Discharge)
↑—**1=Exfiltration** (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.21 cfs @ 12.02 hrs HW=1,000.24' TW=166.09' (Dynamic Tailwater)
↑—**2=Dome Grate** (Orifice Controls 0.21 cfs @ 2.38 fps)

Summary for Pond 356.6: Drywell D (1.02 in/hr) (2' Deep)

Inflow Area = 0.172 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 1.75 cfs @ 12.00 hrs, Volume= 0.118 af
Outflow = 1.73 cfs @ 12.00 hrs, Volume= 0.118 af, Atten= 1%, Lag= 0.3 min
Discarded = 0.02 cfs @ 6.33 hrs, Volume= 0.047 af
Primary = 1.71 cfs @ 12.00 hrs, Volume= 0.072 af
Routed to Pond 357 : Forebay G (162.5, 167.5)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.07' @ 12.00 hrs Surf.Area= 840 sf Storage= 596 cf

Plug-Flow detention time= 114.1 min calculated for 0.118 af (100% of inflow)
Center-of-Mass det. time= 114.1 min (849.0 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	997.00'	18 cf	**Drywell Storage (Prismatic)** Listed below (Recalc)
			56 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		29 cf	x 30.00 = 858 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	28	0	0
999.00	28	56	56

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate X 30.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.02 cfs @ 6.33 hrs HW=997.04' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=1.69 cfs @ 12.00 hrs HW=1,000.06' TW=166.06' (Dynamic Tailwater)
2=Dome Grate (Weir Controls 1.69 cfs @ 0.83 fps)

Summary for Pond 357: Forebay G (162.5, 167.5)

Inflow Area = 12.302 ac, 13.14% Impervious, Inflow Depth = 4.00" for 100-Year event
Inflow = 36.60 cfs @ 12.14 hrs, Volume= 4.101 af
Outflow = 36.60 cfs @ 12.14 hrs, Volume= 4.101 af, Atten= 0%, Lag= 0.0 min
Primary = 9.43 cfs @ 12.14 hrs, Volume= 2.293 af
Routed to Pond 359 : WQ Pond G (162, 165.75) (2.41in/hr)
Secondary = 27.17 cfs @ 12.14 hrs, Volume= 1.808 af
Routed to Pond 362 : QP Pond G (161, 165.75) (2.41 in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 166.20' @ 12.14 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	165.50'	**5.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#2	Secondary	165.75'	**30.0' long x 0.5' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32

Primary OutFlow Max=9.43 cfs @ 12.14 hrs HW=166.20' TW=163.49' (Dynamic Tailwater)
1=Broad-Crested Rectangular Weir (Weir Controls 9.43 cfs @ 2.68 fps)

Secondary OutFlow Max=27.16 cfs @ 12.14 hrs HW=166.20' TW=162.63' (Dynamic Tailwater)
2=Broad-Crested Rectangular Weir (Weir Controls 27.16 cfs @ 2.00 fps)

Summary for Pond 359: WQ Pond G (162, 165.75) (2.41in/hr)

Inflow Area = 12.438 ac, 13.00% Impervious, Inflow Depth = 2.27" for 100-Year event
Inflow = 9.85 cfs @ 12.13 hrs, Volume= 2.356 af
Outflow = 9.68 cfs @ 12.17 hrs, Volume= 2.356 af, Atten= 2%, Lag= 2.1 min
Discarded = 0.24 cfs @ 13.25 hrs, Volume= 0.448 af
Primary = 9.50 cfs @ 12.17 hrs, Volume= 1.907 af
Routed to Pond 362 : QP Pond G (161, 165.75) (2.41 in/hr)

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 164.97' @ 13.25 hrs Surf.Area= 4,367 sf Storage= 9,764 cf

Plug-Flow detention time= 87.1 min calculated for 2.355 af (100% of inflow)
Center-of-Mass det. time= 87.1 min (992.6 - 905.5)

Volume	Invert	Avail.Storage	Storage Description
#1	162.00'	13,424 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
162.00	2,285	0	0
164.00	3,620	5,905	5,905
165.75	4,973	7,519	13,424

Device	Routing	Invert	Outlet Devices
#1	Discarded	162.00'	**2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	163.00'	**10.0' long x 15.5' 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

Discarded OutFlow Max=0.24 cfs @ 13.25 hrs HW=164.97' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.24 cfs)

Primary OutFlow Max=9.50 cfs @ 12.17 hrs HW=163.50' TW=162.82' (Dynamic Tailwater)
2=Broad-Crested Rectangular Weir (Weir Controls 9.50 cfs @ 1.91 fps)

Summary for Pond 362: QP Pond G (161, 165.75) (2.41 in/hr)

Inflow Area = 15.979 ac, 10.12% Impervious, Inflow Depth = 3.65" for 100-Year event
Inflow = 44.59 cfs @ 12.16 hrs, Volume= 4.866 af
Outflow = 7.10 cfs @ 13.24 hrs, Volume= 4.866 af, Atten= 84%, Lag= 65.1 min
Discarded = 1.71 cfs @ 13.24 hrs, Volume= 3.891 af
Secondary = 5.39 cfs @ 13.24 hrs, Volume= 0.976 af
Routed to Reach 362A : Wetland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 164.97' @ 13.24 hrs Surf.Area= 30,703 sf Storage= 106,329 cf

Plug-Flow detention time= 535.6 min calculated for 4.866 af (100% of inflow)
Center-of-Mass det. time= 535.7 min (1,376.3 - 840.6)

Volume	Invert	Avail.Storage	Storage Description
#1	161.00'	131,022 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
161.00	23,056	0	0
162.00	24,896	23,976	23,976
164.00	28,743	53,639	77,615
165.75	32,294	53,407	131,022

Device	Routing	Invert	Outlet Devices
#1	Discarded	161.00'	**2.410 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Secondary	164.75'	**20.0' long x 16.0' breadth Emergency Overflow 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

Discarded OutFlow Max=1.71 cfs @ 13.24 hrs HW=164.97' (Free Discharge)
1=Exfiltration (Exfiltration Controls 1.71 cfs)

Secondary OutFlow Max=5.39 cfs @ 13.24 hrs HW=164.97' TW=162.00' (Dynamic Tailwater)
2=Emergency Overflow Weir (Weir Controls 5.39 cfs @ 1.25 fps)

Summary for Pond 365.2: Drywell G (1.02 in/hr) (1' Deep)

Inflow Area = 0.023 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 0.23 cfs @ 12.00 hrs, Volume= 0.016 af
Outflow = 0.22 cfs @ 12.01 hrs, Volume= 0.016 af, Atten= 4%, Lag= 0.6 min
Discarded = 0.00 cfs @ 8.22 hrs, Volume= 0.008 af
Primary = 0.22 cfs @ 12.01 hrs, Volume= 0.008 af
Routed to Reach 365A : Upland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.27' @ 12.01 hrs Surf.Area= 190 sf Storage= 68 cf

Plug-Flow detention time= 63.6 min calculated for 0.016 af (100% of inflow)
Center-of-Mass det. time= 63.6 min (798.5 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	998.00'	63 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 190 cf Overall x 33.0% Voids
#2	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		73 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
998.00	190	0	0
999.00	190	190	190

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Device	Routing	Invert	Outlet Devices
#1	Discarded	998.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Grate** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.00 cfs @ 8.22 hrs HW=998.03' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.00 cfs)

Primary OutFlow Max=0.22 cfs @ 12.01 hrs HW=1,000.27' TW=370.14' (Dynamic Tailwater)
2=Dome Grate (Orifice Controls 0.22 cfs @ 2.51 fps)

Summary for Pond 365.4: Drywell F (1.02 in/hr) (2' Deep)

Inflow Area = 0.161 ac,100.00% Impervious, Inflow Depth = 8.26" for 100-Year event
Inflow = 1.64 cfs @ 12.00 hrs, Volume= 0.111 af
Outflow = 1.57 cfs @ 12.01 hrs, Volume= 0.111 af, Atten= 4%, Lag= 0.6 min
Discarded = 0.02 cfs @ 6.49 hrs, Volume= 0.045 af
Primary = 1.55 cfs @ 12.01 hrs, Volume= 0.066 af
Routed to Reach 365C : Wetland

Routing by Dyn-Stor-Ind method, Time Span= 0.00-100.00 hrs, dt= 0.01 hrs
Peak Elev= 1,000.28' @ 12.01 hrs Surf.Area= 812 sf Storage= 575 cf

Plug-Flow detention time= 115.5 min calculated for 0.111 af (100% of inflow)
Center-of-Mass det. time= 115.5 min (850.4 - 734.9)

Volume	Invert	Avail.Storage	Storage Description
#1	1,000.00'	10 cf	**Above Drywell (Prismatic)** Listed below (Recalc) -Impervious
#2	997.00'	77 cf	**Drywell Storage (Prismatic)** Listed below (Recalc) 232 cf Overall x 33.0% Voids
#3	999.00'	0 cf	**0.33'D x 1.50'H Pipe Storage** -Impervious
		87 cf	x 7.00 = 607 cf Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,000.00	20	0	0
1,000.50	20	10	10

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
997.00	116	0	0
999.00	116	232	232

Device	Routing	Invert	Outlet Devices
#1	Discarded	997.00'	**1.020 in/hr Exfiltration over Surface area** Phase-In= 0.01'
#2	Primary	1,000.00'	**4.00" Horiz. Dome Orifice X 7.00** C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.02 cfs @ 6.49 hrs HW=997.04' (Free Discharge)
1=Exfiltration (Exfiltration Controls 0.02 cfs)

Primary OutFlow Max=1.55 cfs @ 12.01 hrs HW=1,000.28' TW=298.84' (Dynamic Tailwater)
2=Dome Orifice (Orifice Controls 1.55 cfs @ 2.53 fps)

A3.4.4.5 HydroCAD Volume Analysis

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 points
Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Link 117: DP-1: NW Wetland Inflow=0.01 cfs 0.000 af
Primary=0.01 cfs 0.000 af

Link 231: DP-2: Brushy Brook Inflow=0.10 cfs 0.008 af
Primary=0.10 cfs 0.008 af

Link 369: WQ Storm Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=0.03 cfs 0.012 af
Area= 239.106 ac 3.24% Imperv. Primary=0.03 cfs 0.012 af

Link 401: DP-4: NE Abutters Inflow=0.00 cfs 0.000 af
Primary=0.00 cfs 0.000 af

Link 506: Site Convergence Inflow=0.32 cfs 0.323 af
Primary=0.32 cfs 0.323 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=0.52 cfs 0.524 af
Primary=0.52 cfs 0.524 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Link 117: DP-1: NW Wetland Inflow=1.40 cfs 0.504 af
Primary=1.40 cfs 0.504 af

Link 231: DP-2: Brushy Brook Inflow=0.66 cfs 0.284 af
Primary=0.66 cfs 0.284 af

Link 1-Year Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=6.37 cfs 2.878 af
Area= 239.106 ac 3.24% Imperv. Primary=6.37 cfs 2.878 af

Link 401: DP-4: NE Abutters Inflow=0.59 cfs 0.233 af
Primary=0.59 cfs 0.233 af

Link 506: Site Convergence Inflow=12.04 cfs 13.343 af
Primary=12.04 cfs 13.343 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=12.02 cfs 15.935 af
Primary=12.02 cfs 15.935 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Link 117: DP-1: NW Wetland Inflow=3.89 cfs 1.045 af
Primary=3.89 cfs 1.045 af

Link 231: DP-2: Brushy Brook Inflow=2.70 cfs 0.570 af
Primary=2.70 cfs 0.570 af

Link 369: 2-Year Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=16.64 cfs 5.570 af
Area= 239.106 ac 3.24% Imperv. Primary=16.64 cfs 5.570 af

Link 401: DP-4: NE Abutters Inflow=1.90 cfs 0.449 af
Primary=1.90 cfs 0.449 af

Link 506: Site Convergence Inflow=22.61 cfs 26.626 af
Primary=22.61 cfs 26.626 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=22.60 cfs 31.173 af
Primary=22.60 cfs 31.173 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Link 117: DP-1: NW Wetland Inflow=24.31 cfs 3.781 af
Primary=24.31 cfs 3.781 af

Link 231: DP-2: Brushy Brook Inflow=14.65 cfs 2.099 af
Primary=14.65 cfs 2.099 af

10-Year Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=89.01 cfs 18.838 af
Link Area= 239.106 ac 3.24% Imperv. Primary=89.01 cfs 18.838 af

Link 401: DP-4: NE Abutters Inflow=10.34 cfs 1.473 af
Primary=10.34 cfs 1.473 af

Link 506: Site Convergence Inflow=108.37 cfs 92.024 af
Primary=108.37 cfs 92.024 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=104.05 cfs 105.360 af
Primary=104.05 cfs 105.360 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Link 117: DP-1: NW Wetland Inflow=45.53 cfs 6.414 af
Primary=45.53 cfs 6.414 af

Link 231: DP-2: Brushy Brook Inflow=27.05 cfs 3.659 af
Primary=27.05 cfs 3.659 af

25-Year Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=170.42 cfs 32.315 af
Link Area= 239.106 ac 3.24% Imperv. Primary=170.42 cfs 32.315 af

Link 401: DP-4: NE Abutters Inflow=19.62 cfs 2.488 af
Primary=19.62 cfs 2.488 af

Link 506: Site Convergence Inflow=210.66 cfs 157.990 af
Primary=210.66 cfs 157.990 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=204.11 cfs 179.759 af
Primary=204.11 cfs 179.759 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Link 117: DP-1: NW Wetland Inflow=95.71 cfs 12.609 af
Primary=95.71 cfs 12.609 af

Link 231: DP-2: Brushy Brook Inflow=56.43 cfs 7.469 af
Primary=56.43 cfs 7.469 af

100-Year Primary Outflow Imported from 1193-001-ALLS-PHCD-INHS DP-3~Link 369.hce Inflow=364.52 cfs 64.697 af
Link Area= 239.106 ac 3.24% Imperv. Primary=364.52 cfs 64.697 af

Link 401: DP-4: NE Abutters Inflow=42.25 cfs 4.934 af
Primary=42.25 cfs 4.934 af

Link 506: Site Convergence Inflow=459.30 cfs 318.220 af
Primary=459.30 cfs 318.220 af

Link POST: Brushy Brook/Sawmill Road Crossing Inflow=450.10 cfs 359.881 af
Primary=450.10 cfs 359.881 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 points
Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv.
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Reach 502: Brushy Brook - To Dye Hill Avg. Flow Depth=0.06' Max Vel=0.38 fps Inflow=0.32 cfs 0.350 af
n=0.040 L=1,094.7' S=0.0046 '/' Capacity=168.72 cfs Outflow=0.32 cfs 0.330 af

Pond 505: Culvert Peak Elev=128.05' Inflow=0.03 cfs 0.012 af
Primary=0.03 cfs 0.012 af Secondary=0.00 cfs 0.000 af Outflow=0.03 cfs 0.012 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Reach 502: Brushy Brook - To Dye Hill Avg. Flow Depth=0.49' Max Vel=1.25 fps Inflow=12.05 cfs 10.936 af
n=0.040 L=1,094.7' S=0.0046 '/' Capacity=168.72 cfs Outflow=12.04 cfs 10.694 af

Pond 505: Culvert Peak Elev=128.78' Inflow=6.20 cfs 2.878 af
Primary=6.20 cfs 2.878 af Secondary=0.00 cfs 0.000 af Outflow=6.20 cfs 2.878 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Reach 502: Brushy Brook - To Dye Hill Avg. Flow Depth=0.67' Max Vel=1.49 fps Inflow=22.63 cfs 21.794 af
n=0.040 L=1,094.7' S=0.0046 '/' Capacity=168.72 cfs Outflow=22.61 cfs 21.414 af

Pond 505: Culvert Peak Elev=129.38' Inflow=16.12 cfs 5.570 af
Primary=16.12 cfs 5.570 af Secondary=0.00 cfs 0.000 af Outflow=16.12 cfs 5.570 af

Time span=0.00-36.00 hrs, dt=0.01 hrs, 3601 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

Reach 502: Brushy Brook - To Dye Hill Avg. Flow Depth=1.18' Max Vel=2.04 fps Inflow=72.51 cfs 74.896 af
n=0.040 L=1,094.7' S=0.0046 '/' Capacity=168.72 cfs Outflow=72.46 cfs 74.014 af

Pond 505: Culvert Peak Elev=139.35' Inflow=87.32 cfs 18.838 af
Primary=76.35 cfs 18.566 af Secondary=10.97 cfs 0.272 af Outflow=87.32 cfs 18.838 af