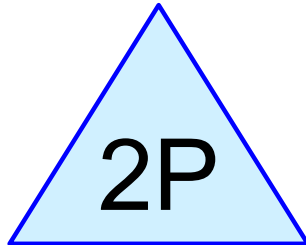
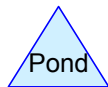
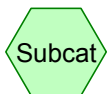


Roof runoff



Drywell



18-110 Dry Well Capacity

Type III 24-hr 50 Yr 24Hr. Rainfall=7.05"

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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 1: Roof runoff

Runoff Area=1,452 sf 100.00% Impervious Runoff Depth>6.81"
Tc=0.0 min CN=98 Runoff=0.26 cfs 0.019 af

Pond 2P: Drywell

Peak Elev=157.74' Storage=0.019 af Inflow=0.26 cfs 0.019 af
Outflow=0.00 cfs 0.000 af

Total Runoff Area = 0.033 ac Runoff Volume = 0.019 af Average Runoff Depth = 6.81"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.033 ac

18-110 Dry Well Capacity

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Type III 24-hr 50 Yr 24Hr. Rainfall=7.05"

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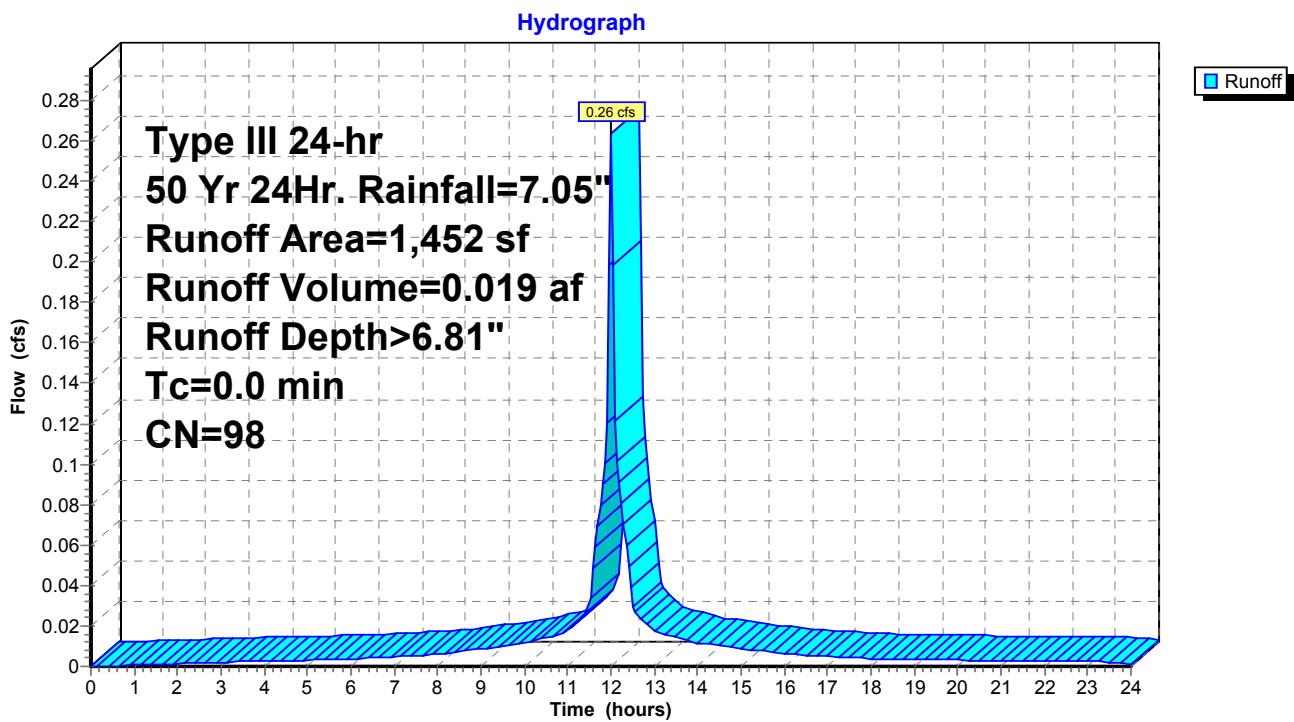
Summary for Subcatchment 1: Roof runoff

Runoff = 0.26 cfs @ 12.00 hrs, Volume= 0.019 af, Depth> 6.81"

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 50 Yr 24Hr. Rainfall=7.05"

Area (sf)	CN	Description
1,452	98	Roofs, HSG B
1,452		100.00% Impervious Area

Subcatchment 1: Roof runoff



18-110 Dry Well Capacity

Type III 24-hr 50 Yr 24Hr. Rainfall=7.05"

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Summary for Pond 2P: Drywell

Inflow Area = 0.033 ac, 100.00% Impervious, Inflow Depth > 6.81" for 50 Yr 24Hr. event
 Inflow = 0.26 cfs @ 12.00 hrs, Volume= 0.019 af
 Outflow = 0.00 cfs @ 24.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 720.0 min
 Discarded = 0.00 cfs @ 24.00 hrs, Volume= 0.000 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 157.74' @ 24.00 hrs Surf.Area= 0.006 ac Storage= 0.019 af
 Flood Elev= 159.50' Surf.Area= 0.006 ac Storage= 0.019 af

Plug-Flow detention time= 774.8 min calculated for 0.000 af (1% of inflow)
 Center-of-Mass det. time= 162.0 min (899.3 - 737.3)

Volume	Invert	Avail.Storage	Storage Description
#1	50.50'	0.017 af	17.75'D x 7.50'H Vertical Cone/Cylinder 0.043 af Overall x 40.0% Voids
#2	152.00'	0.002 af	4.00'D x 7.00'H Drywell
		0.019 af	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Discarded	50.50'	0.010 in/hr Exfiltration over Wetted area

Discarded OutFlow Max=0.00 cfs @ 24.00 hrs HW=157.74' (Free Discharge)
 ↑ 1=Exfiltration (Exfiltration Controls 0.00 cfs)

