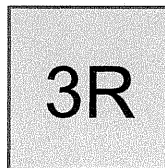


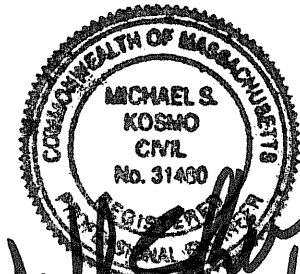
Proposed Cabana Roof
Runoff



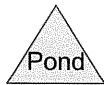
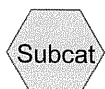
Proposed Area Drains



Overflow Connection



Handwritten signature and date: 5/13/21



Time span=0.00-25.00 hrs, dt=0.01 hrs, 2501 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 1S: Proposed Cabana Roof Runoff

Runoff Area=630 sf Runoff Depth=0.79"

Flow Length=50' Tc=3.0 min CN=98 Runoff=0.01 cfs 0.001 af

Subcatchment 11S: Proposed Area Drains

Runoff Area=4,360 sf Runoff Depth=0.36"

Flow Length=50' Tc=3.0 min CN=91 Runoff=0.05 cfs 0.003 af

Reach 3R: Overflow Connection

Inflow=0.06 cfs 0.004 af

Outflow=0.06 cfs 0.004 af

Total Runoff Area = 0.115 ac Runoff Volume = 0.004 af Average Runoff Depth = 0.41"

Subcatchment 1S: Proposed Cabana Roof Runoff

Runoff = 0.01 cfs @ 12.04 hrs, Volume= 0.001 af, Depth= 0.79"

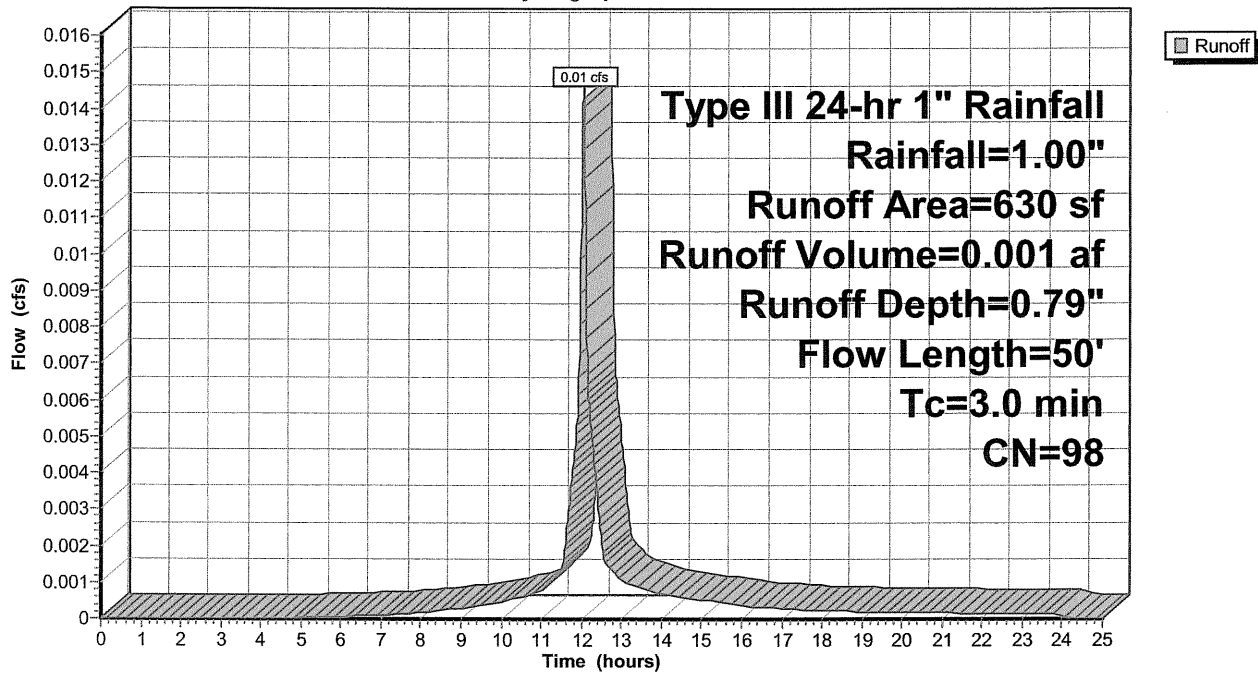
Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-25.00 hrs, dt= 0.01 hrs
 Type III 24-hr 1" Rainfall Rainfall=1.00"

Area (sf)	CN	Description
630	98	Proposed Cabana Roof

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.3	50	0.2500	3.0		Lag/CN Method,
0.3	50	Total, Increased to minimum Tc = 3.0 min			

Subcatchment 1S: Proposed Cabana Roof Runoff

Hydrograph



Subcatchment 11S: Proposed Area Drains

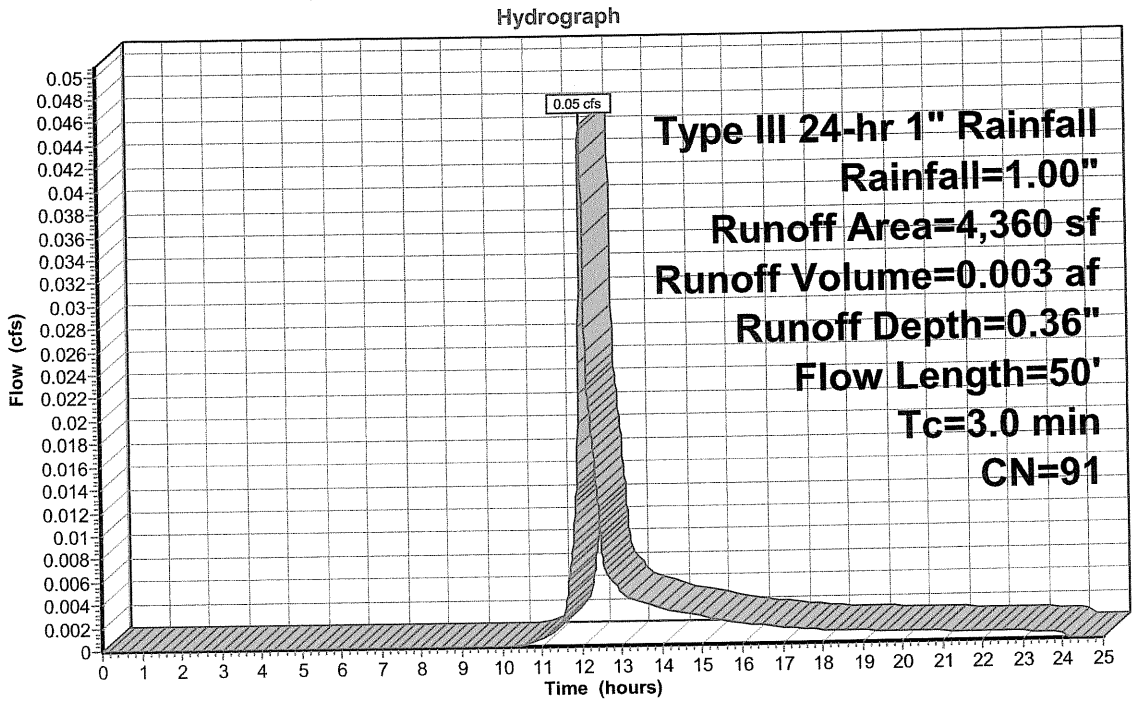
Runoff = 0.05 cfs @ 12.05 hrs, Volume= 0.003 af, Depth= 0.36"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-25.00 hrs, dt= 0.01 hrs
 Type III 24-hr 1" Rainfall Rainfall=1.00"

Area (sf)	CN	Description
2,600	98	Proposed Walls & Pool Deck
1,760	80	>75% Grass cover, Good, HSG D
4,360	91	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	50	0.0500	1.0		Lag/CN Method,
0.9	50	Total, Increased to minimum Tc = 3.0 min			

Subcatchment 11S: Proposed Area Drains



Runoff

Reach 3R: Overflow Connection

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.115 ac, Inflow Depth = 0.41" for 1" Rainfall event
Inflow = 0.06 cfs @ 12.04 hrs, Volume= 0.004 af
Outflow = 0.06 cfs @ 12.04 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-25.00 hrs, dt= 0.01 hrs

Reach 3R: Overflow Connection

Hydrograph

