Summary for Subcatchment 2S: POST - 1

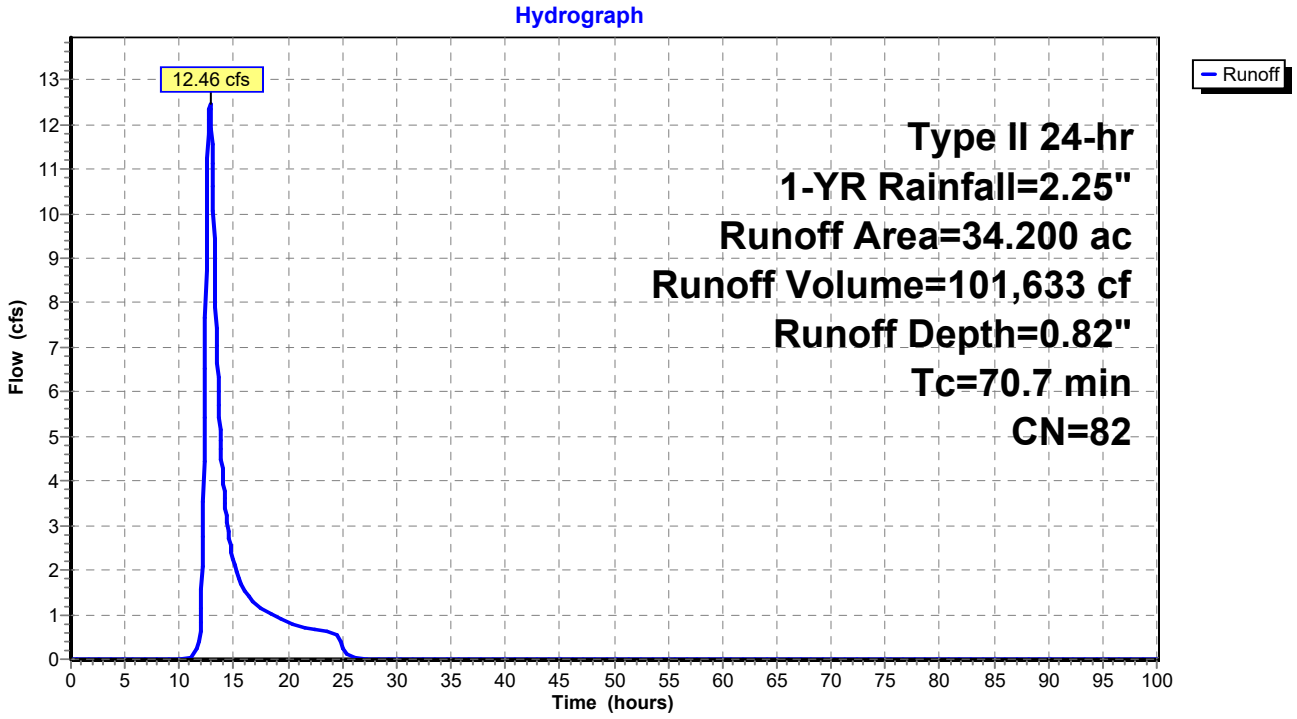
Runoff = 12.46 cfs @ 12.80 hrs, Volume= 101,633 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	34.200	82	
	34.200		100.00% Pervious Area

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

Subcatchment 2S: POST - 1



Summary for Subcatchment 3S: PRE - 2

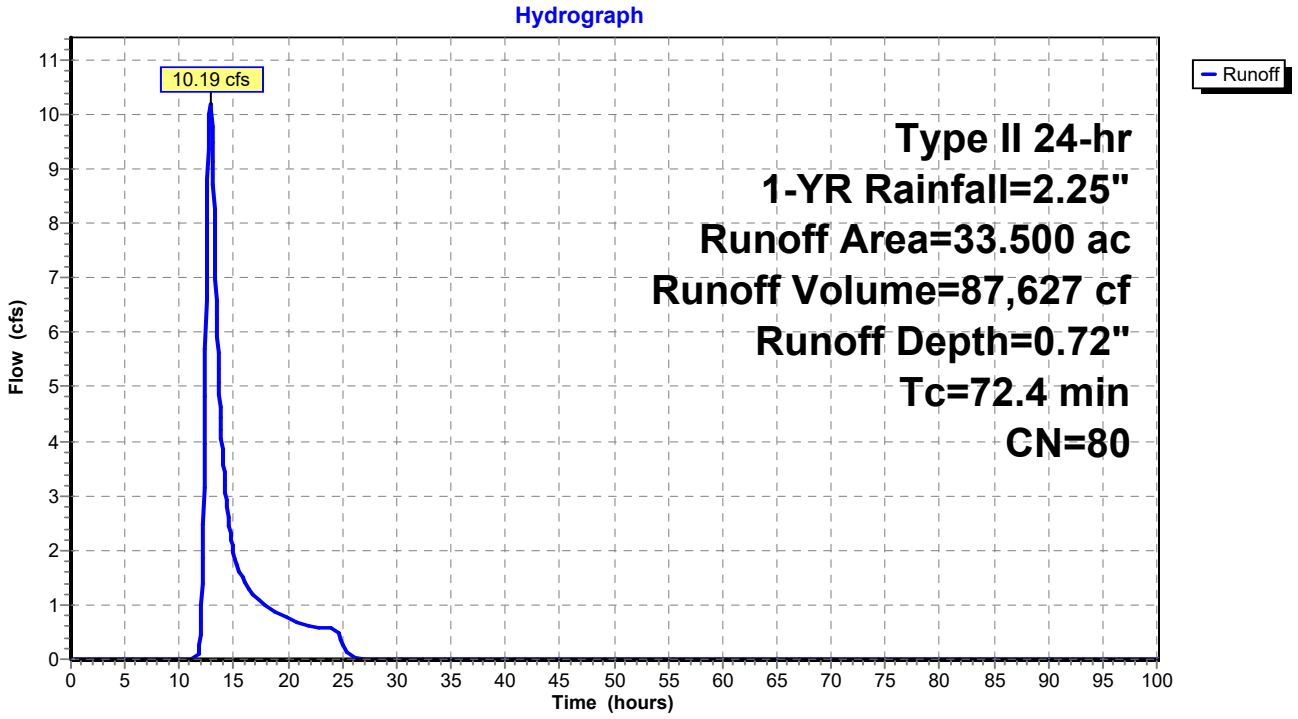
Runoff = 10.19 cfs @ 12.83 hrs, Volume= 87,627 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	33.500	80	
	33.500		100.00% Pervious Area

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

Subcatchment 3S: PRE - 2



Summary for Subcatchment 4S: POST - 2

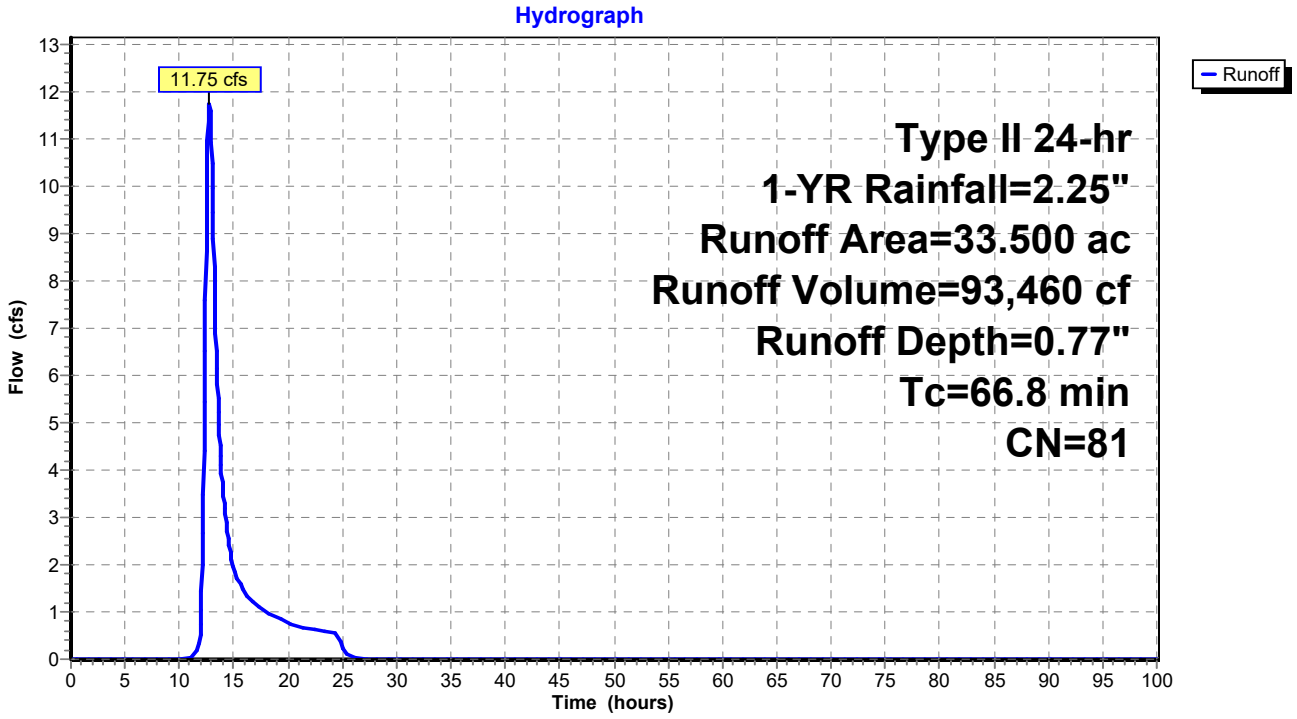
Runoff = 11.75 cfs @ 12.76 hrs, Volume= 93,460 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	33.500	81	
	33.500		100.00% Pervious Area

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

Subcatchment 4S: POST - 2



Summary for Subcatchment 5S: PRE - 3

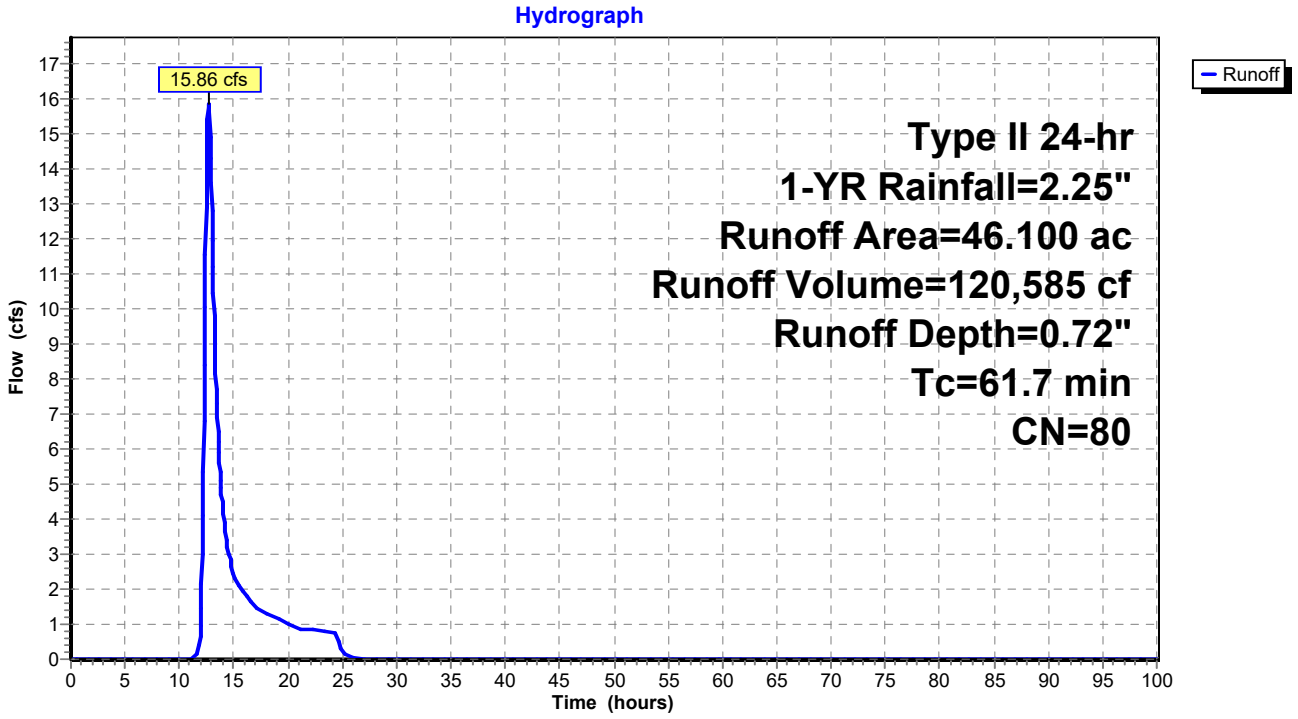
Runoff = 15.86 cfs @ 12.69 hrs, Volume= 120,585 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	46.100	80	
	46.100		100.00% Pervious Area

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

Subcatchment 5S: PRE - 3



Summary for Subcatchment 6S: POST - 3

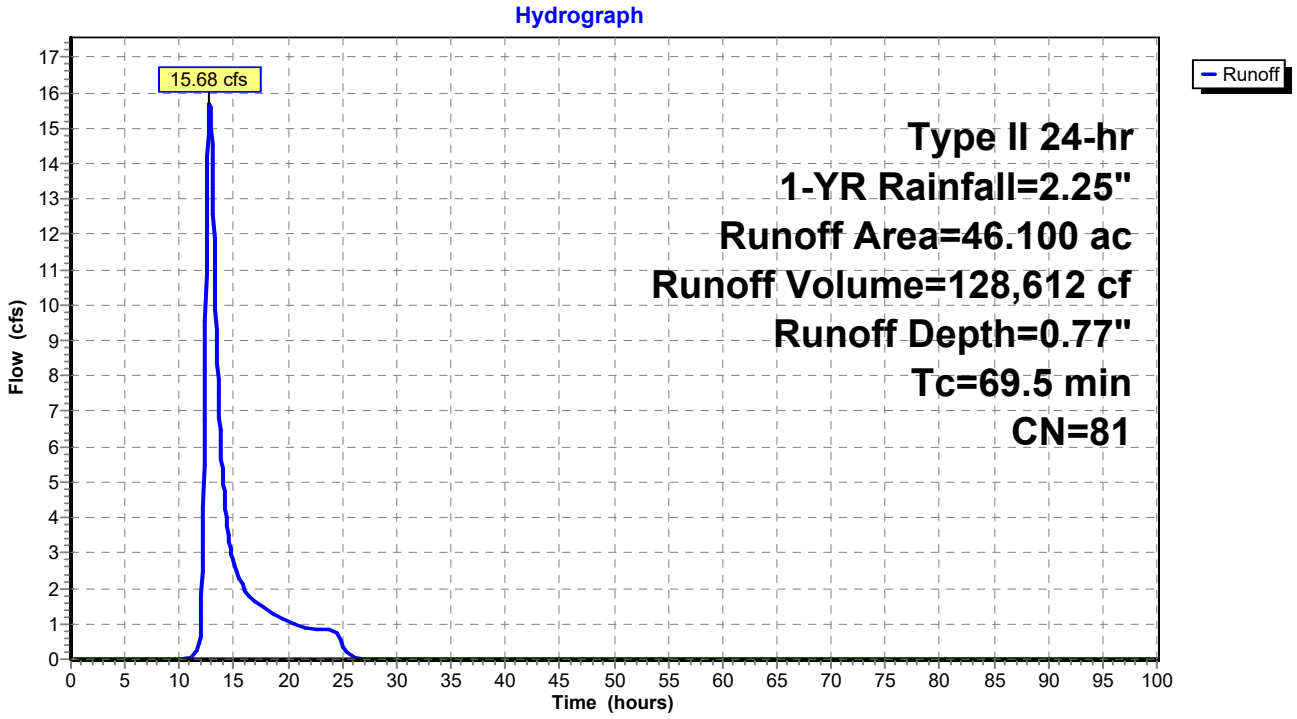
Runoff = 15.68 cfs @ 12.79 hrs, Volume= 128,612 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	46.100	81	
	46.100		100.00% Pervious Area

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

Subcatchment 6S: POST - 3



Summary for Subcatchment 7S: PRE - 4

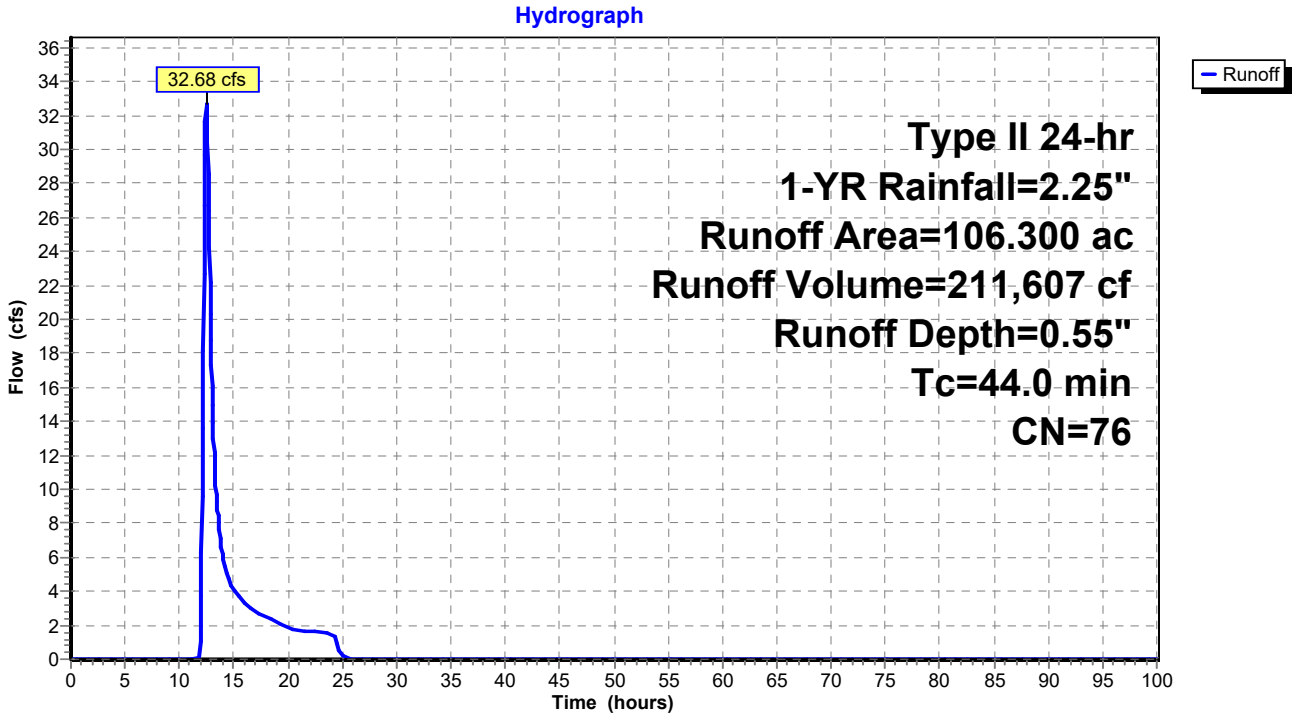
Runoff = 32.68 cfs @ 12.47 hrs, Volume= 211,607 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	106.300	76	
	106.300		100.00% Pervious Area

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

Subcatchment 7S: PRE - 4



Summary for Subcatchment 8S: POST - 4

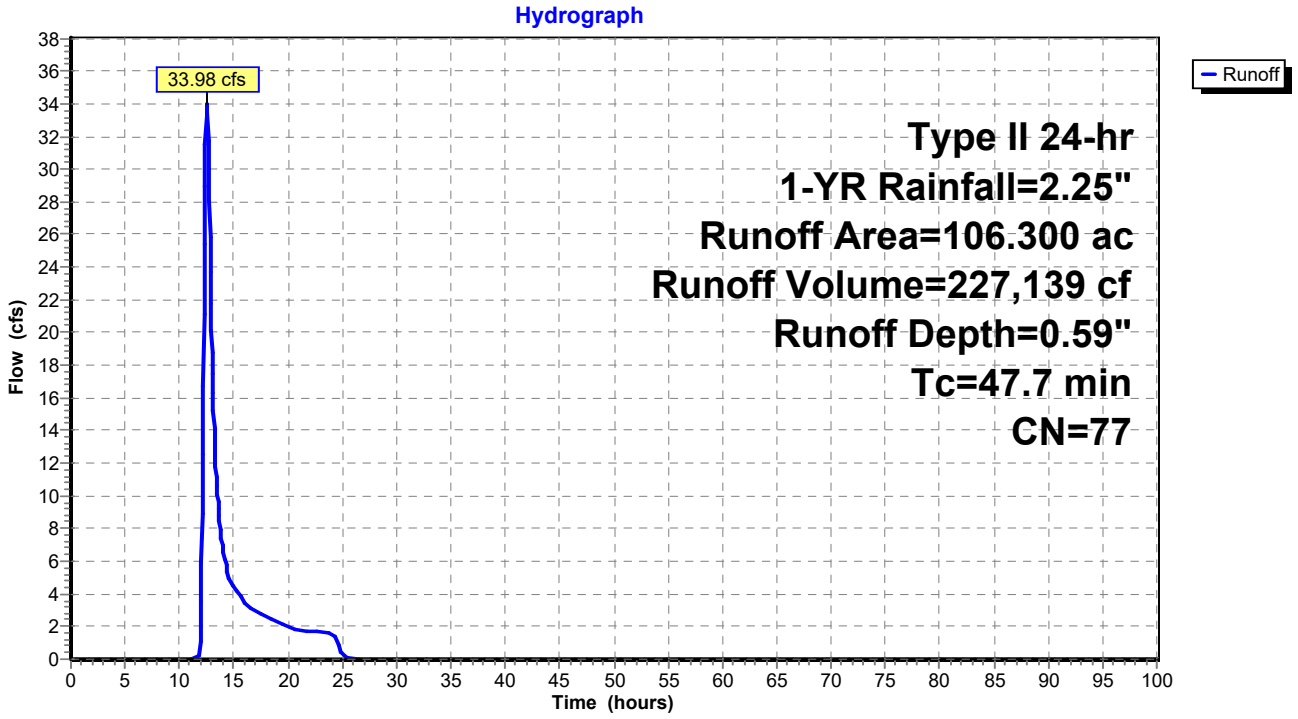
Runoff = 33.98 cfs @ 12.53 hrs, Volume= 227,139 cf, Depth= 0.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	106.300	77	
	106.300		100.00% Pervious Area

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

Subcatchment 8S: POST - 4



Summary for Subcatchment 9S: PRE - 5

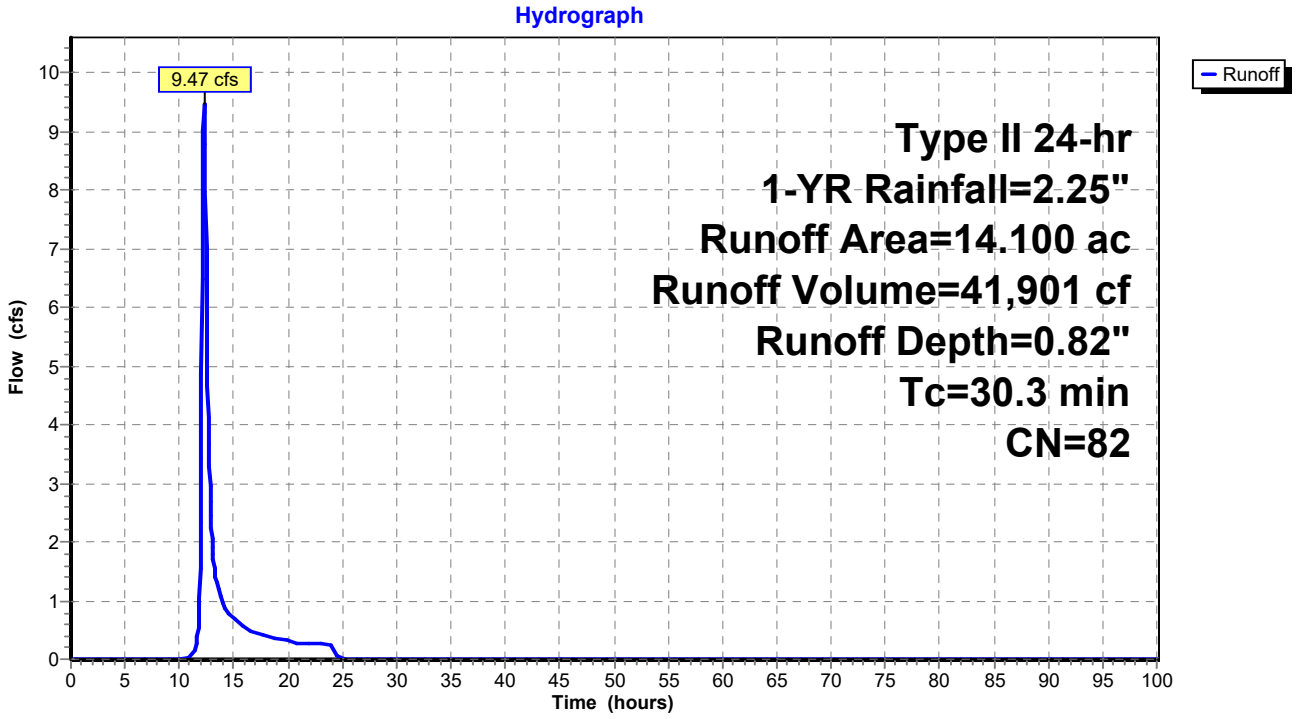
Runoff = 9.47 cfs @ 12.26 hrs, Volume= 41,901 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 9S: PRE - 5



Summary for Subcatchment 10S: POST - 5

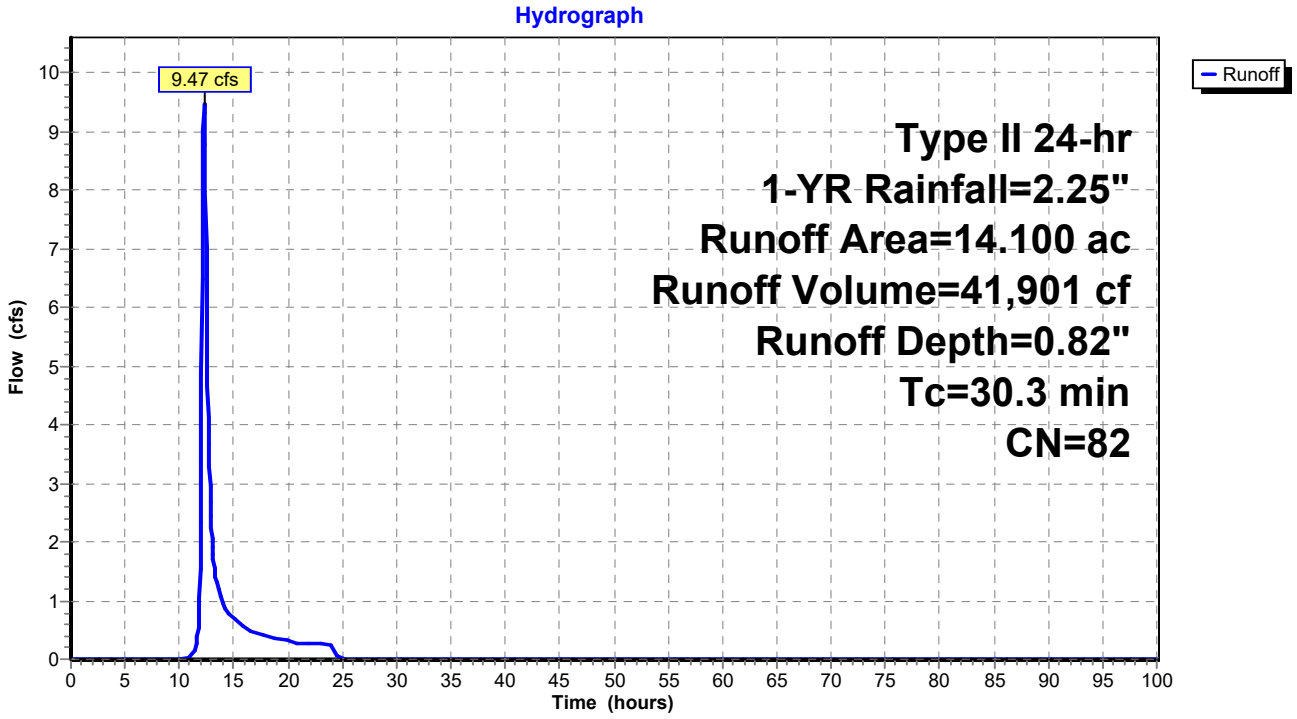
Runoff = 9.47 cfs @ 12.26 hrs, Volume= 41,901 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 10S: POST - 5



Summary for Subcatchment 11S: PRE - 6

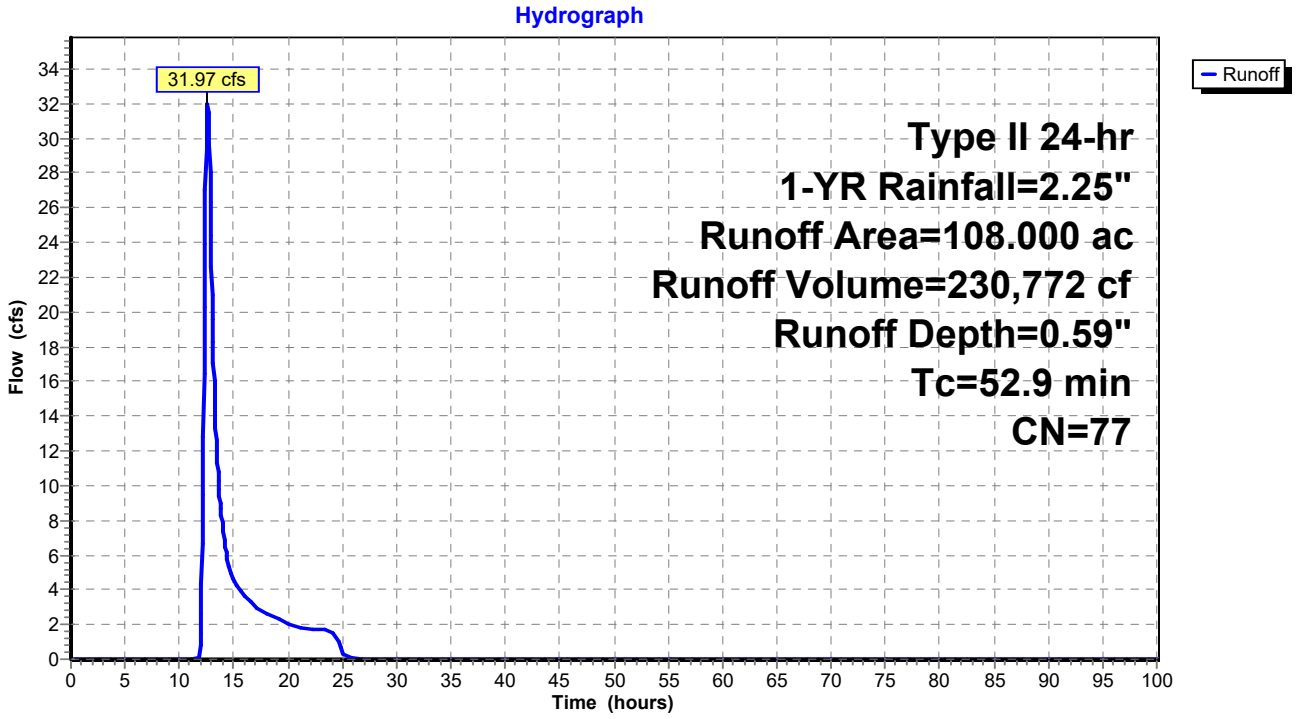
Runoff = 31.97 cfs @ 12.60 hrs, Volume= 230,772 cf, Depth= 0.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	108.000	77	
	108.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 6



Summary for Subcatchment 12S: POST - 6

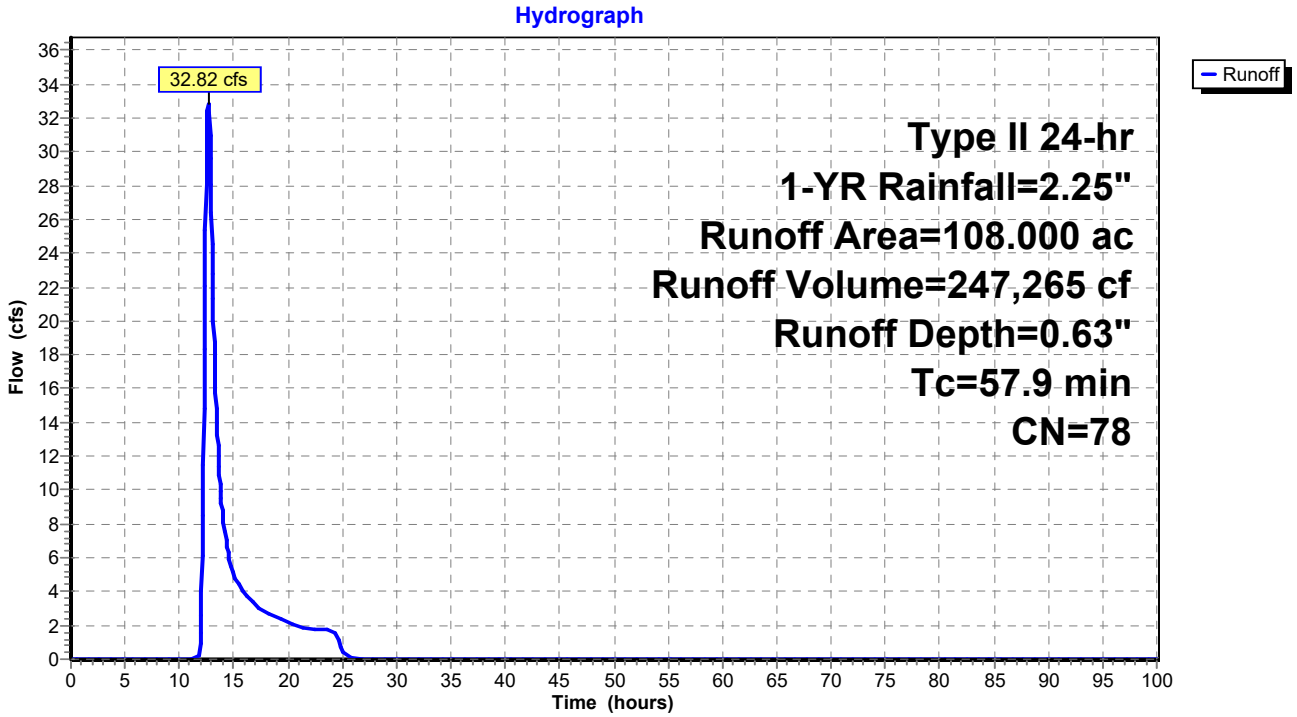
Runoff = 32.82 cfs @ 12.66 hrs, Volume= 247,265 cf, Depth= 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	108.000	78	
	108.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 6



Summary for Subcatchment 13S: PRE - 7

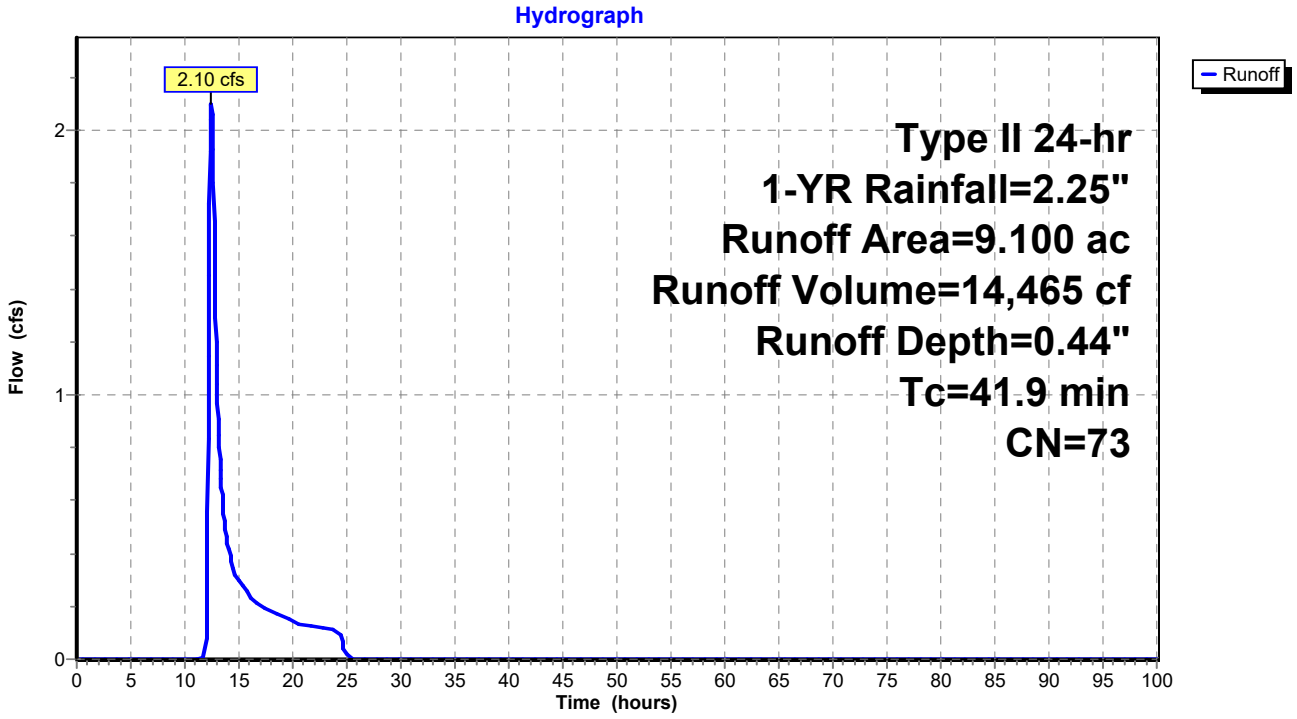
Runoff = 2.10 cfs @ 12.47 hrs, Volume= 14,465 cf, Depth= 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	9.100	73	
	9.100		100.00% Pervious Area

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

Subcatchment 13S: PRE - 7



Summary for Subcatchment 14S: POST - 7

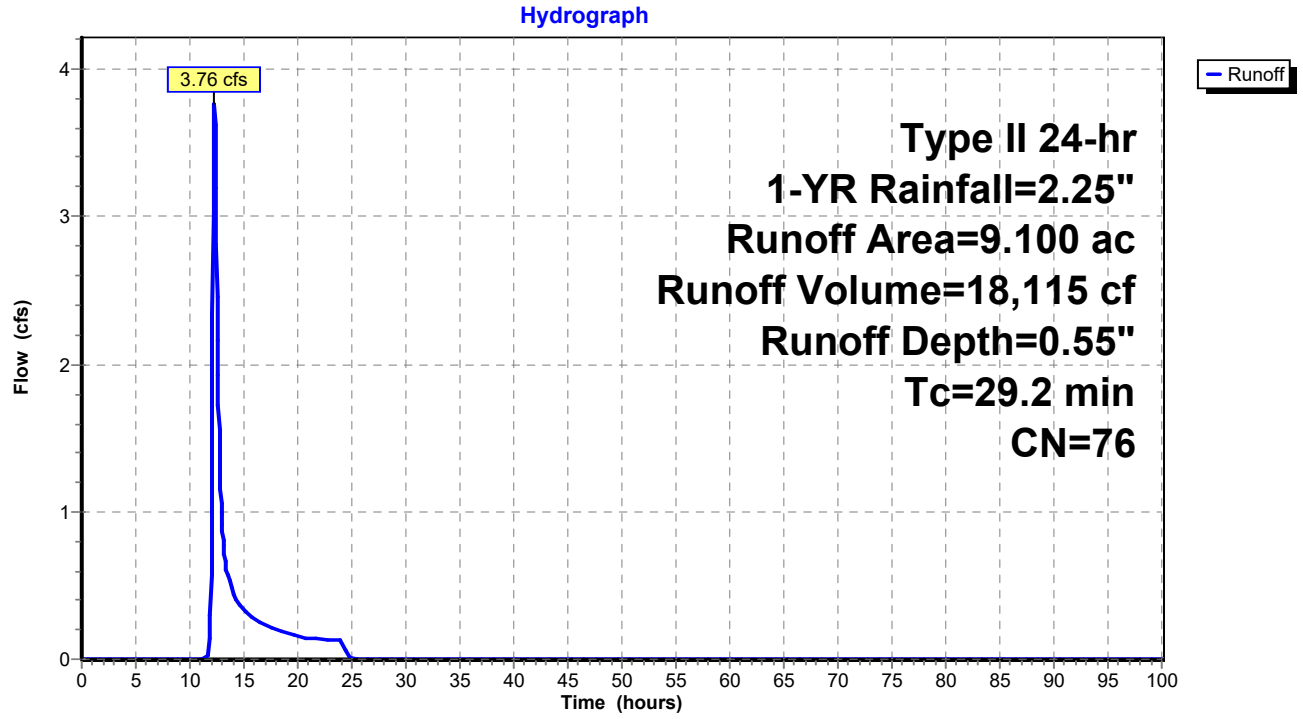
Runoff = 3.76 cfs @ 12.27 hrs, Volume= 18,115 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	9.100	76	
	9.100		100.00% Pervious Area

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

Subcatchment 14S: POST - 7



Summary for Subcatchment 15S: PRE - 8

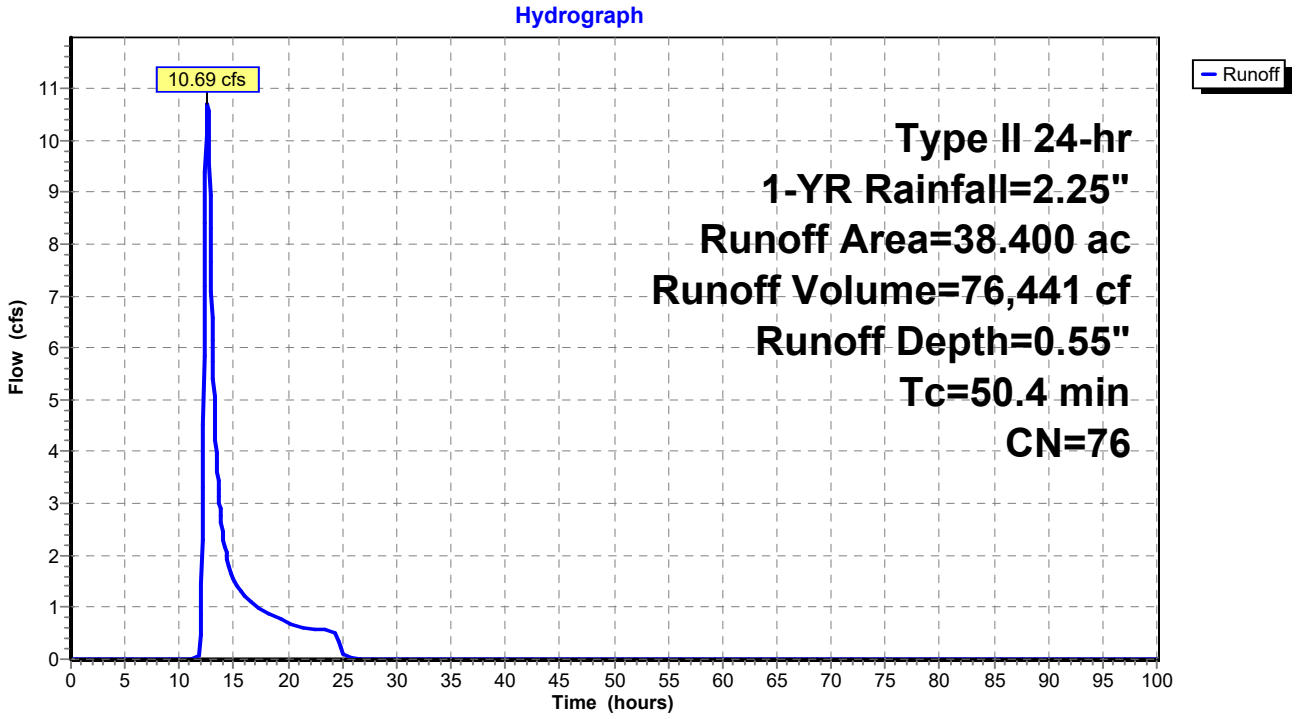
Runoff = 10.69 cfs @ 12.57 hrs, Volume= 76,441 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	38.400	76	
	38.400		100.00% Pervious Area

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

Subcatchment 15S: PRE - 8



Summary for Subcatchment 16S: POST - 8

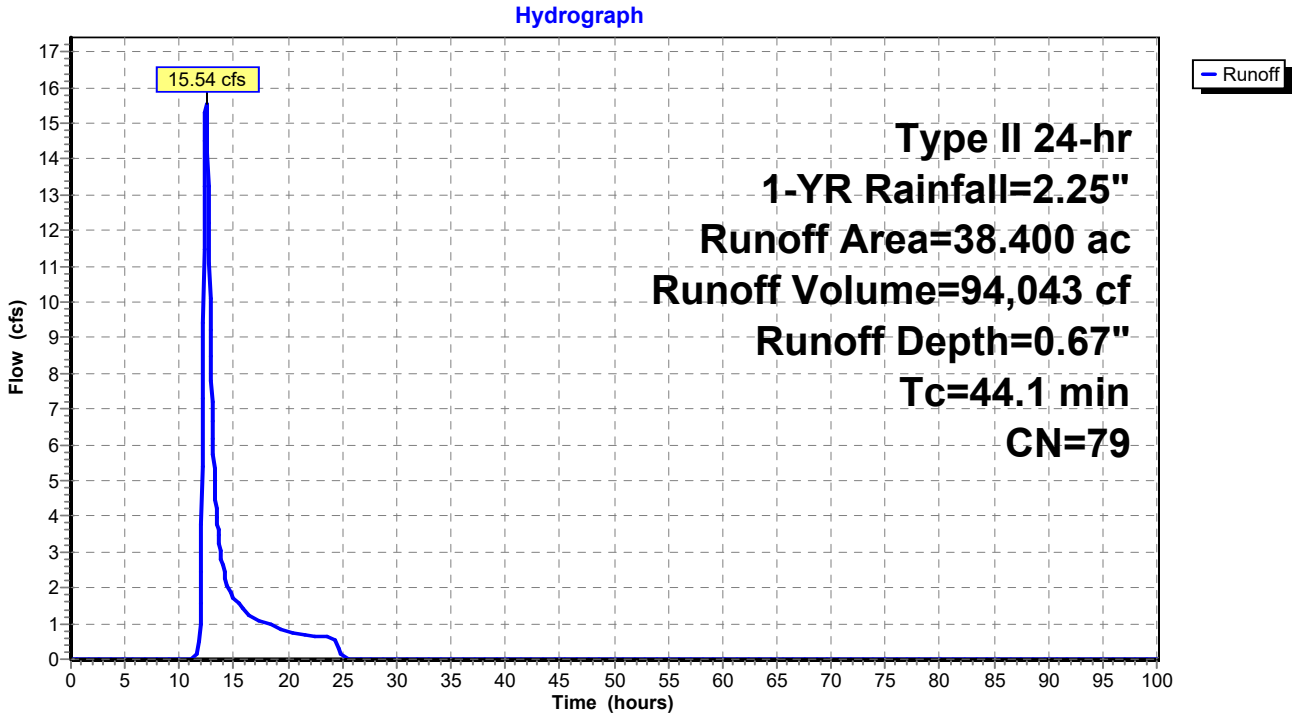
Runoff = 15.54 cfs @ 12.46 hrs, Volume= 94,043 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	38.400	79	
	38.400		100.00% Pervious Area

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

Subcatchment 16S: POST - 8



Summary for Subcatchment 17S: PRE - 9

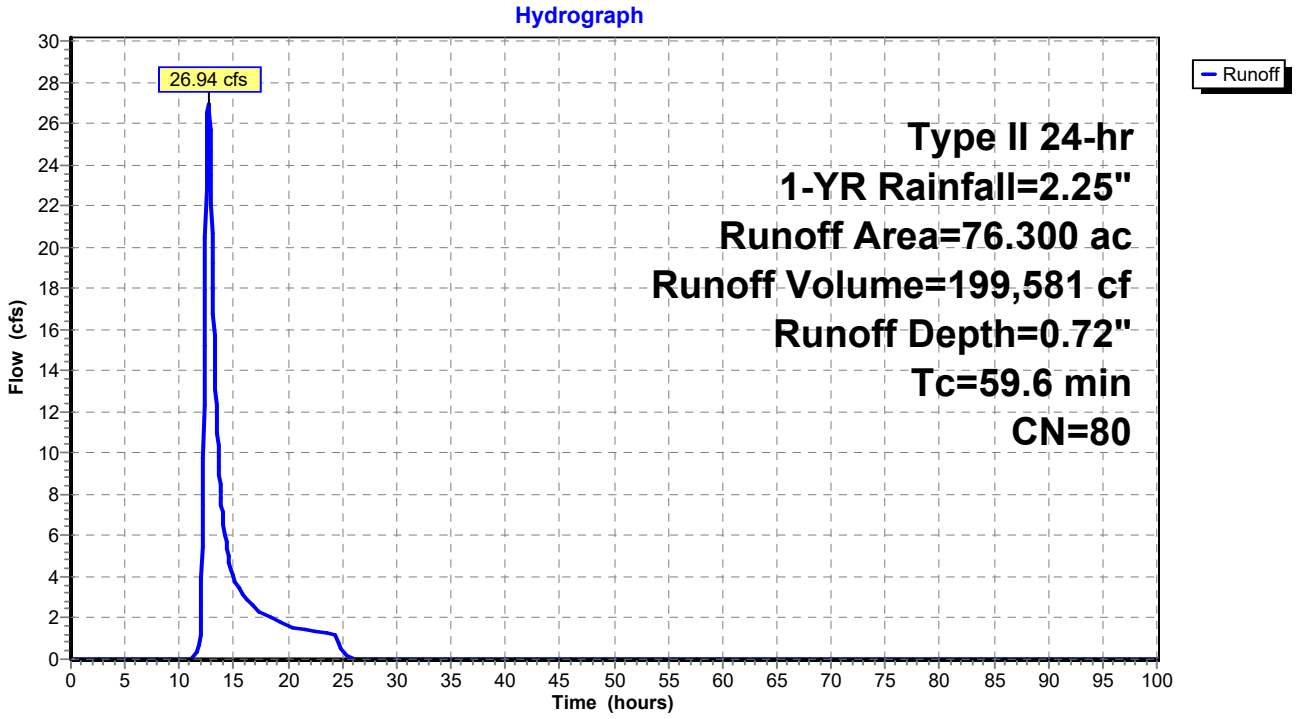
Runoff = 26.94 cfs @ 12.66 hrs, Volume= 199,581 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	76.300	80	
	76.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 9



Summary for Subcatchment 18S: POST - 9

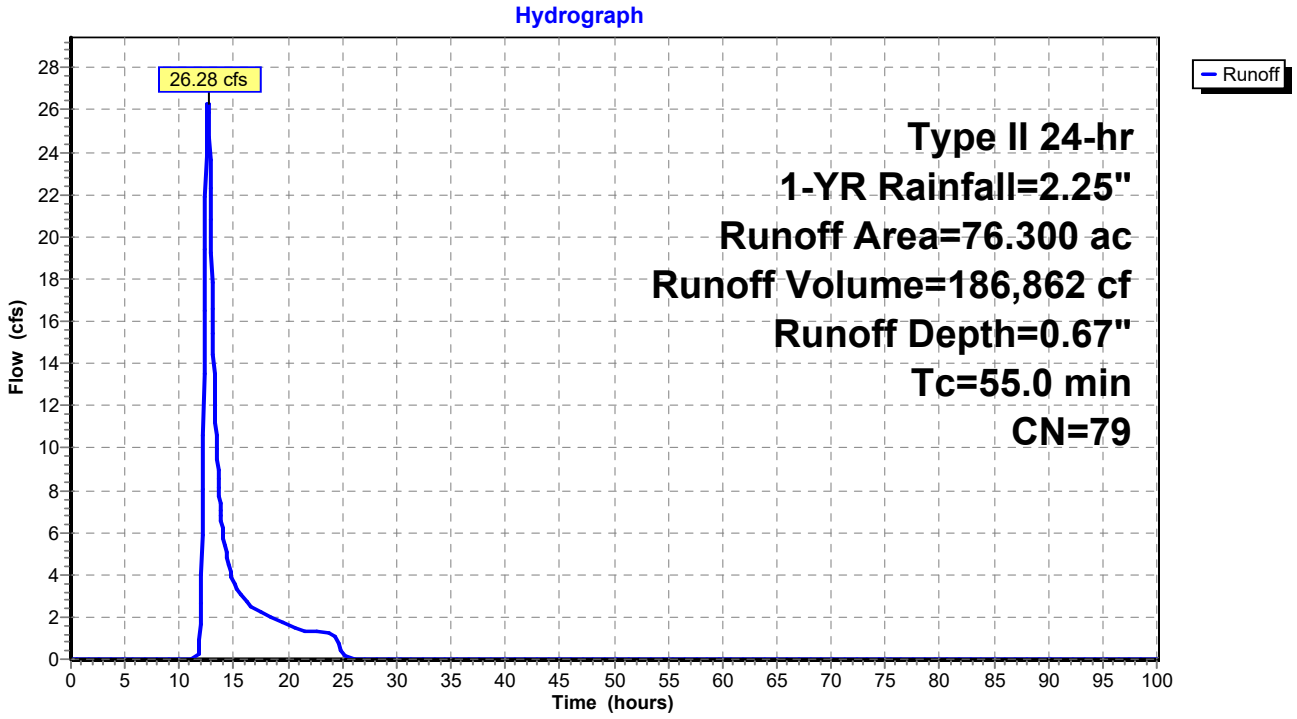
Runoff = 26.28 cfs @ 12.62 hrs, Volume= 186,862 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	76.300	79	
	76.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 9



Summary for Subcatchment 19S: PRE - 10

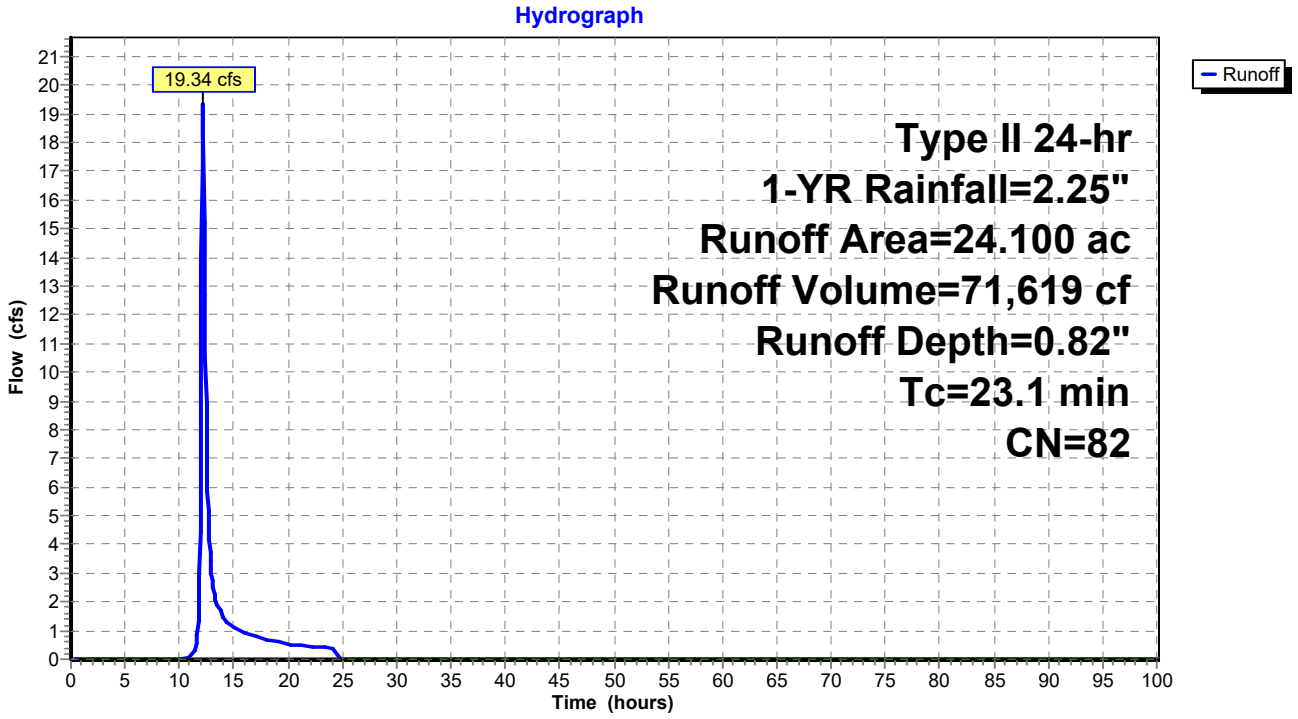
Runoff = 19.34 cfs @ 12.17 hrs, Volume= 71,619 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	24.100	82	
	24.100		100.00% Pervious Area

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

Subcatchment 19S: PRE - 10



Summary for Subcatchment 20S: POST - 10

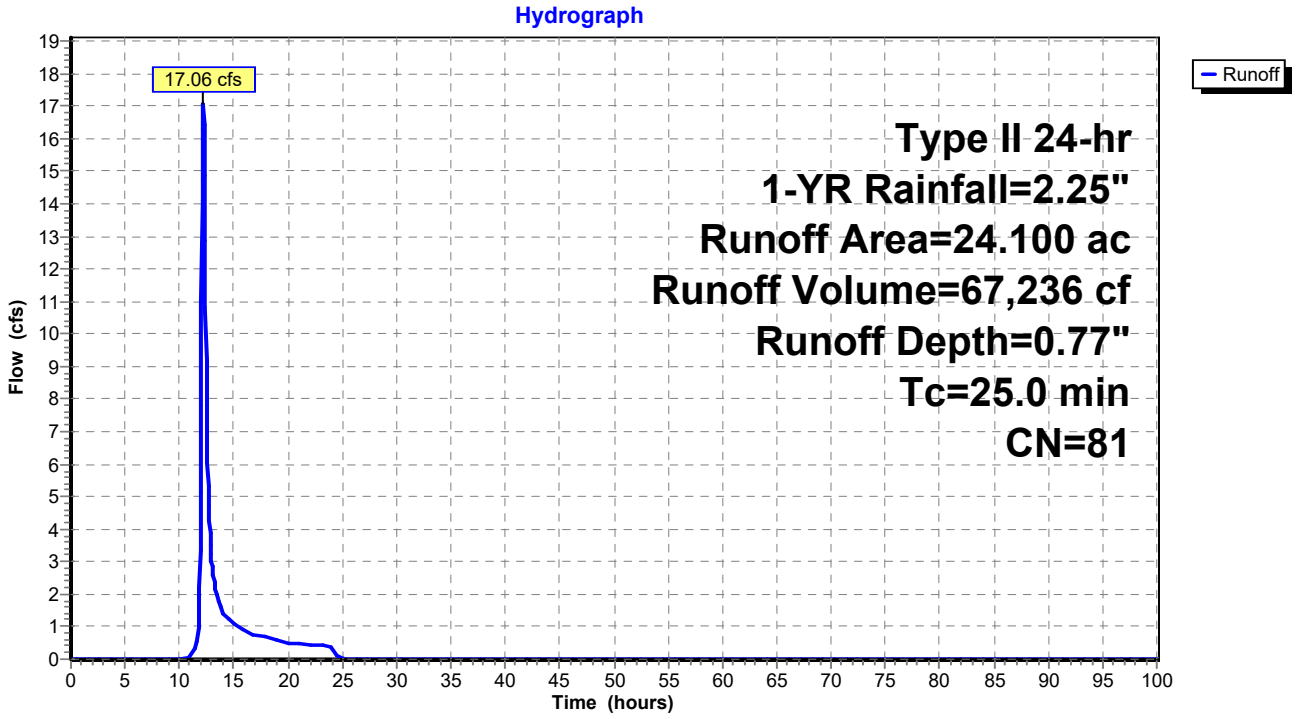
Runoff = 17.06 cfs @ 12.20 hrs, Volume= 67,236 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	24.100	81	
	24.100		100.00% Pervious Area

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

Subcatchment 20S: POST - 10



Summary for Subcatchment 21S: PRE - 11

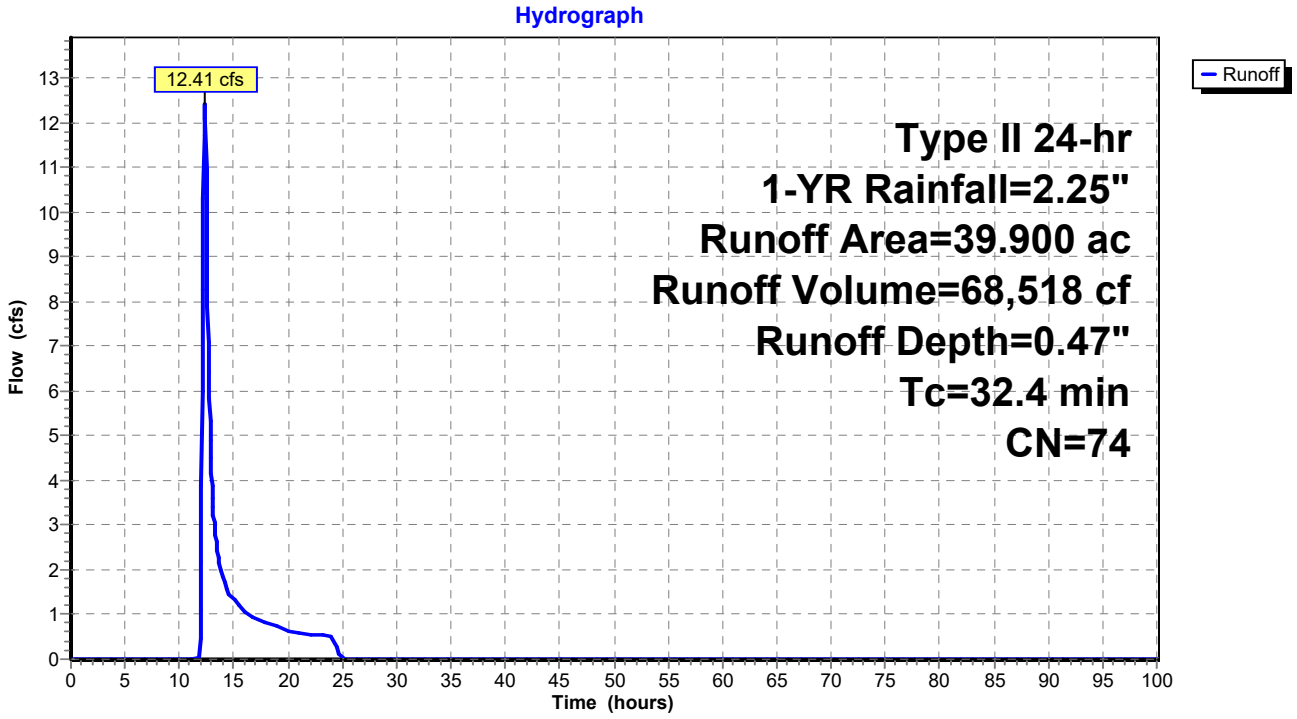
Runoff = 12.41 cfs @ 12.33 hrs, Volume= 68,518 cf, Depth= 0.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	39.900	74	
	39.900		100.00% Pervious Area

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

Subcatchment 21S: PRE - 11



Summary for Subcatchment 22S: POST - 11

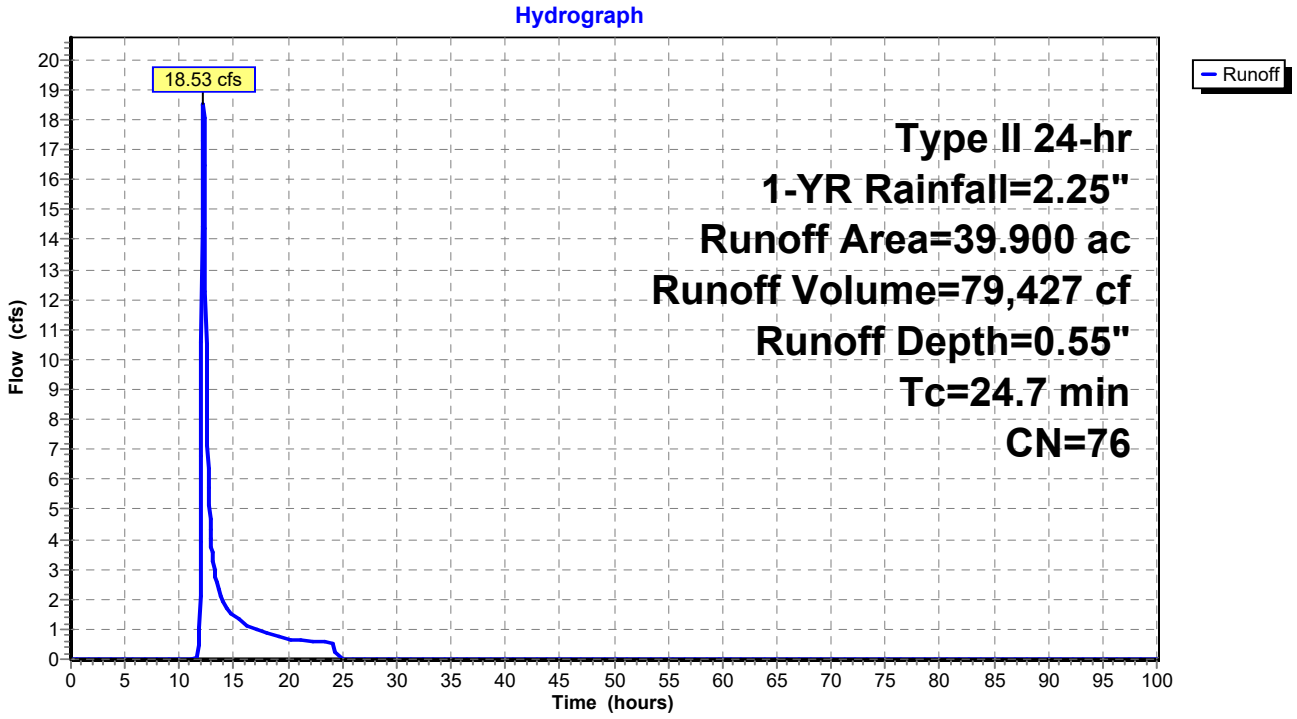
Runoff = 18.53 cfs @ 12.21 hrs, Volume= 79,427 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	39.900	76	
	39.900		100.00% Pervious Area

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

Subcatchment 22S: POST - 11



Summary for Subcatchment 23S: PRE - 12

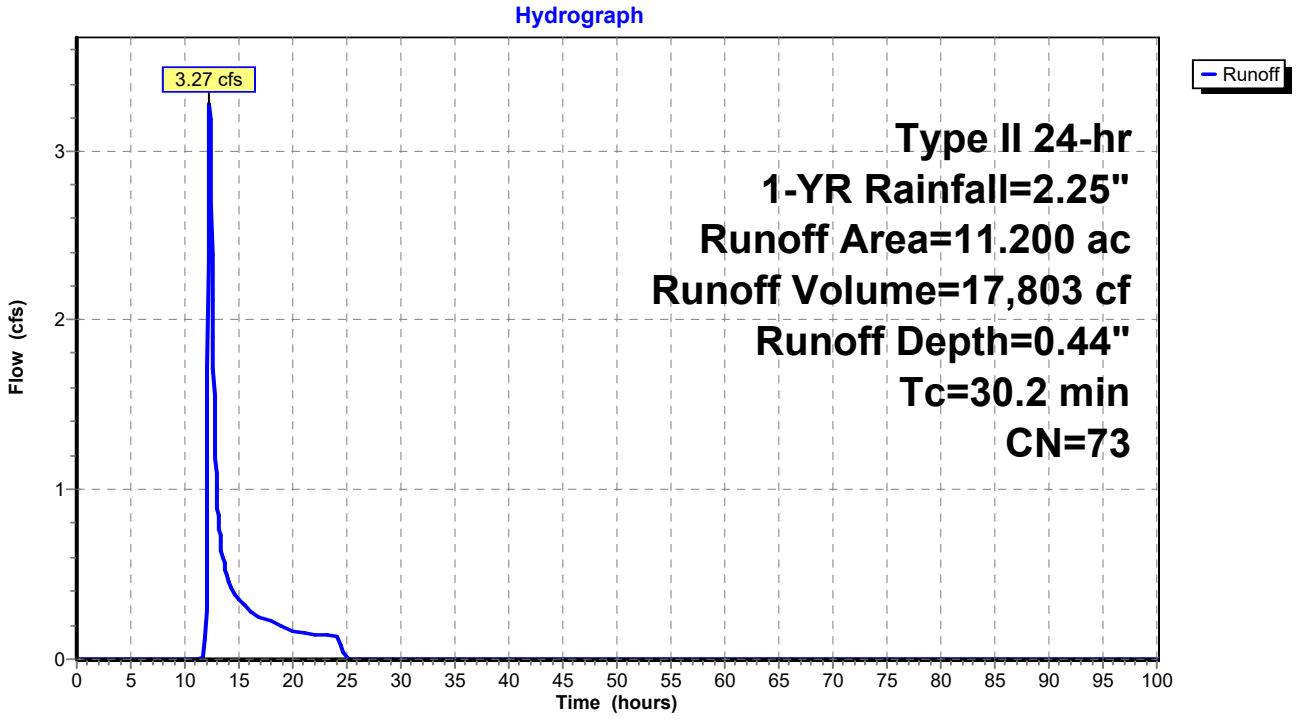
Runoff = 3.27 cfs @ 12.30 hrs, Volume= 17,803 cf, Depth= 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	11.200	73	
	11.200		100.00% Pervious Area

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

Subcatchment 23S: PRE - 12



Summary for Subcatchment 24S: POST - 12

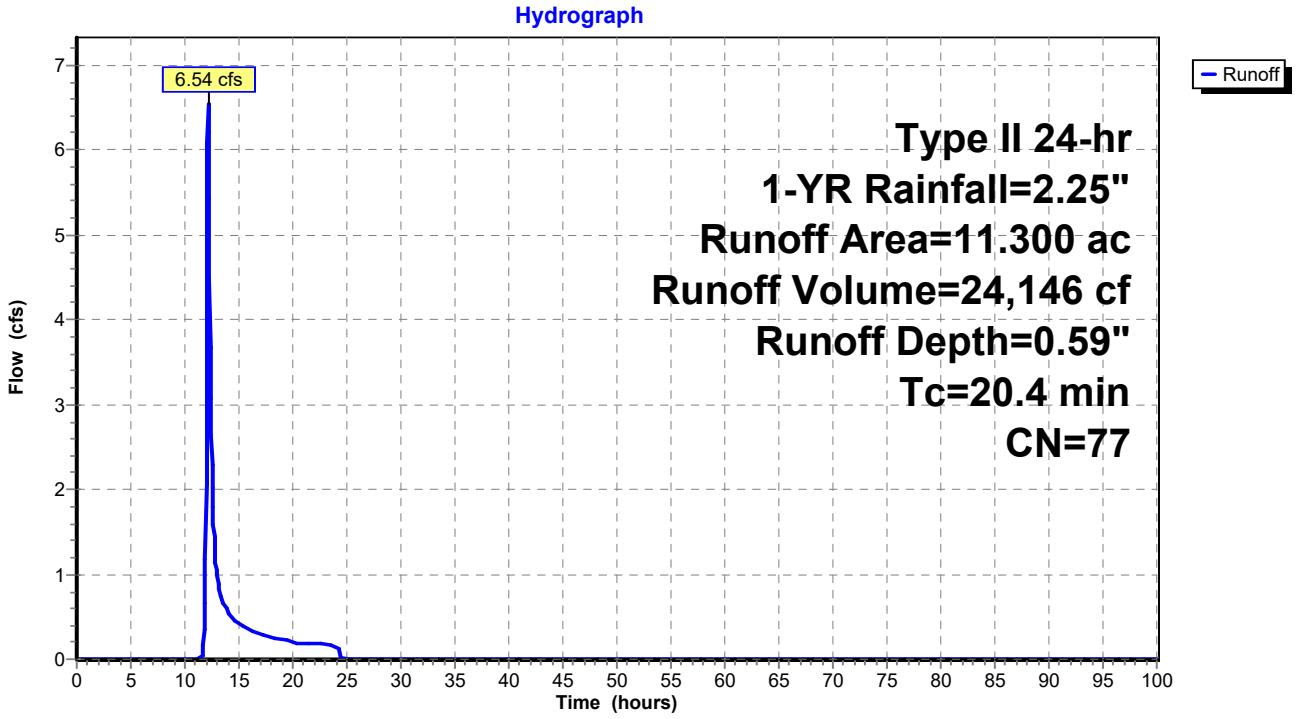
Runoff = 6.54 cfs @ 12.15 hrs, Volume= 24,146 cf, Depth= 0.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	11.300	77	
	11.300		100.00% Pervious Area

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

Subcatchment 24S: POST - 12



Summary for Subcatchment 25S: PRE - 13

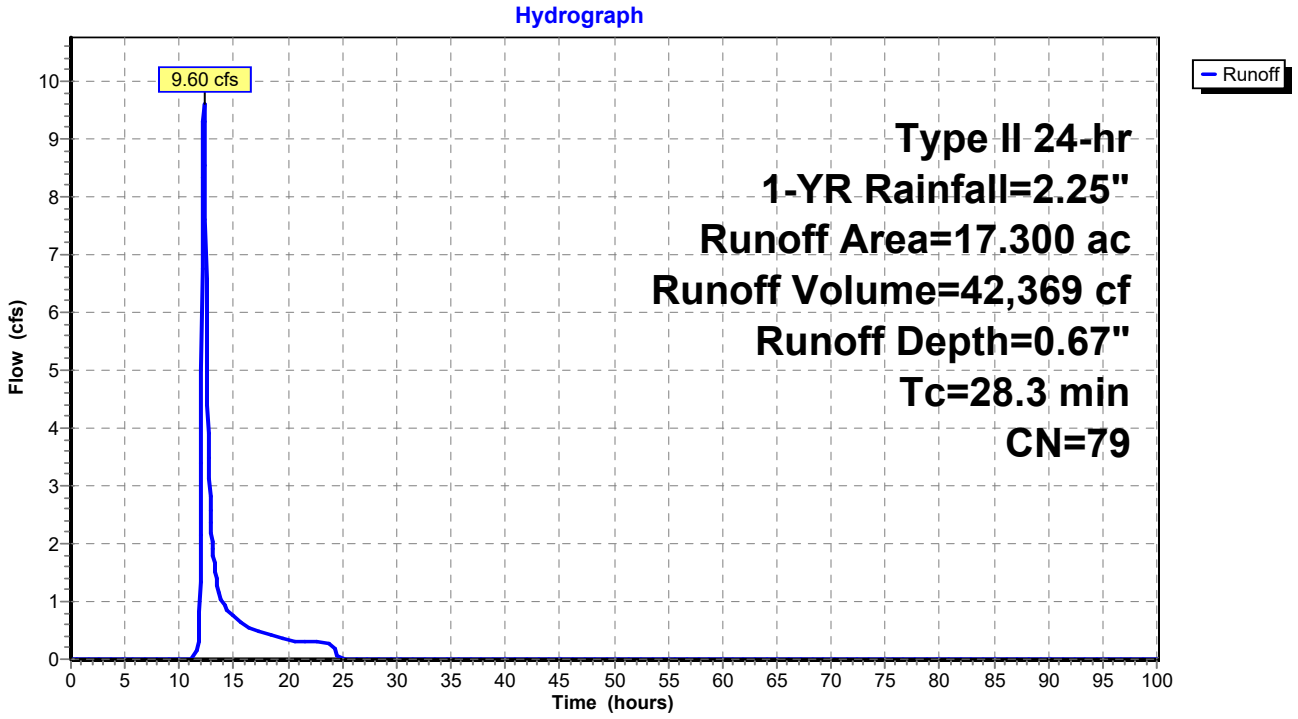
Runoff = 9.60 cfs @ 12.25 hrs, Volume= 42,369 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	17.300	79	
	17.300		100.00% Pervious Area

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

Subcatchment 25S: PRE - 13



Summary for Subcatchment 26S: POST - 13

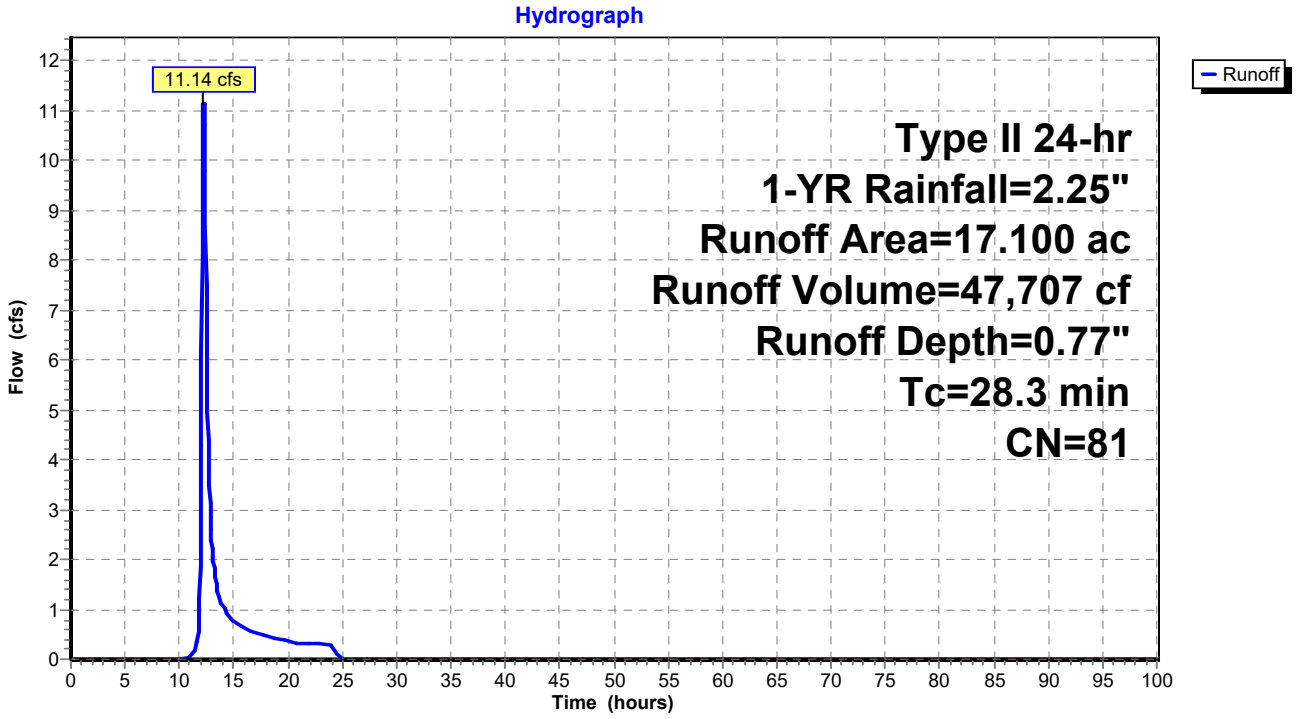
Runoff = 11.14 cfs @ 12.24 hrs, Volume= 47,707 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	17.100	81	
	17.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 13



Summary for Subcatchment 27S: PRE - 14

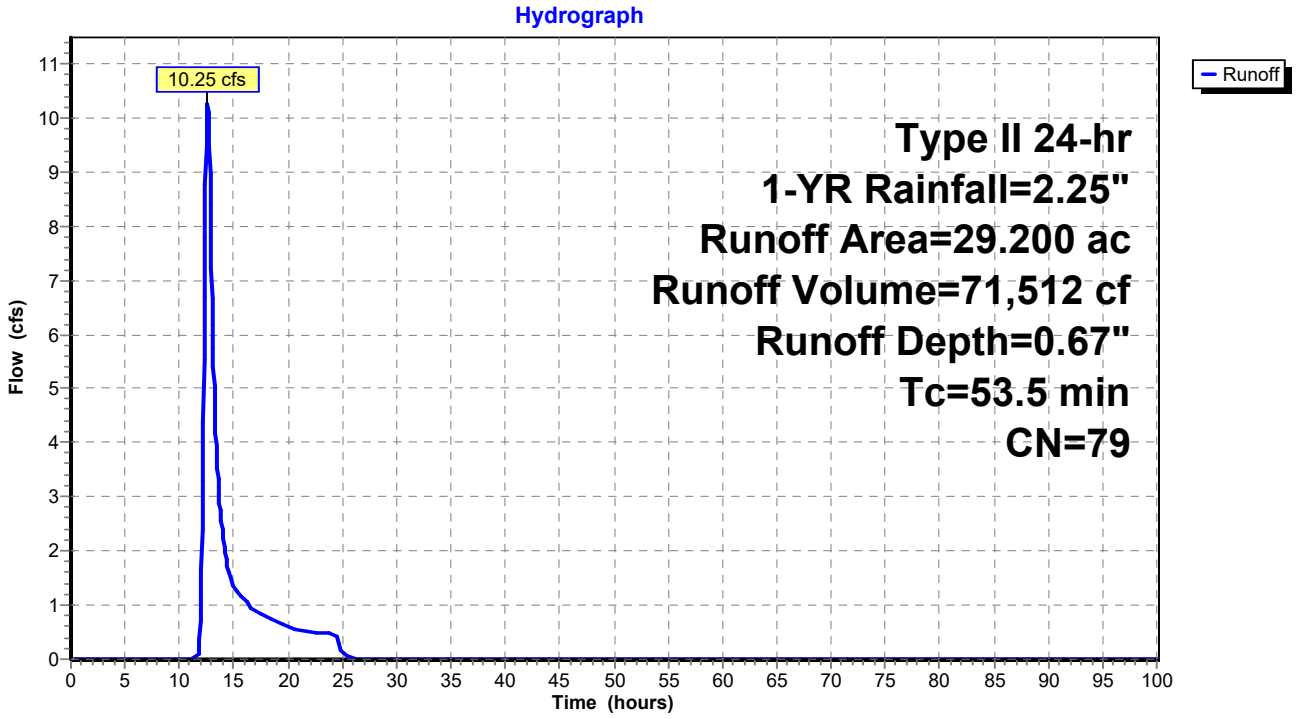
Runoff = 10.25 cfs @ 12.58 hrs, Volume= 71,512 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	29.200	79	
	29.200		100.00% Pervious Area

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

Subcatchment 27S: PRE - 14



Summary for Subcatchment 28S: POST - 14

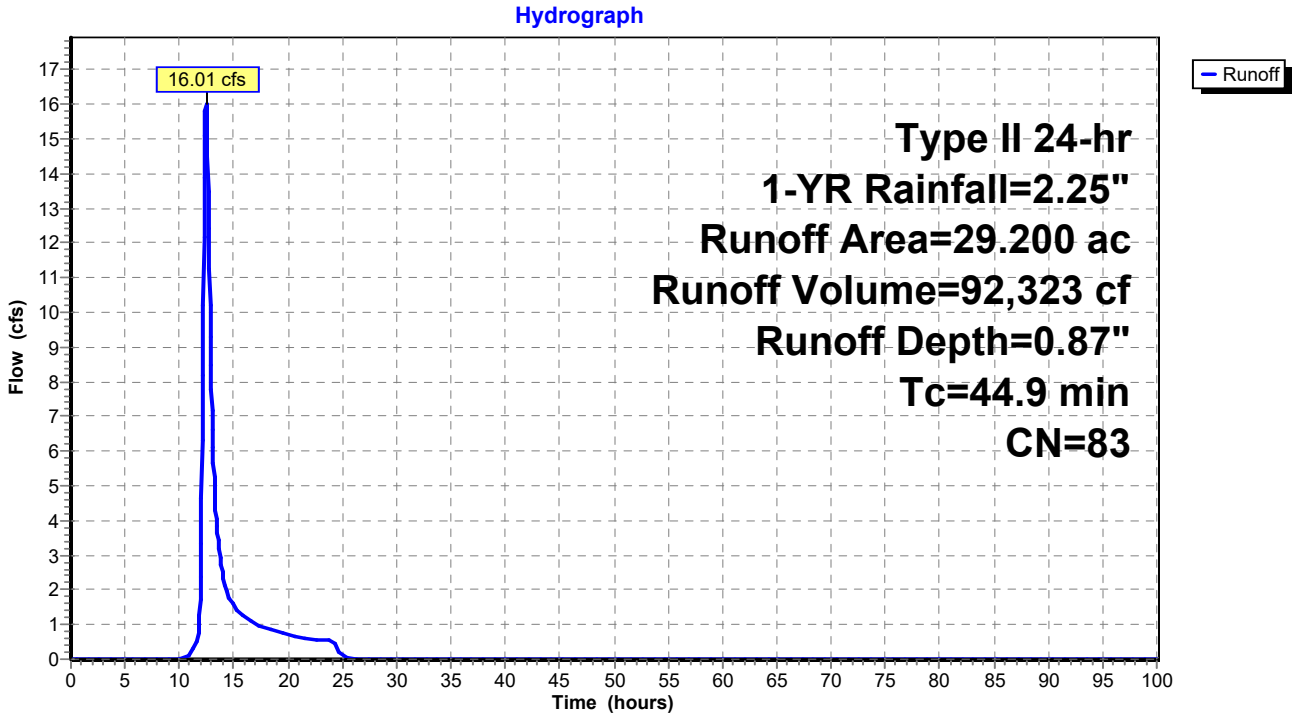
Runoff = 16.01 cfs @ 12.45 hrs, Volume= 92,323 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	29.200	83	
	29.200		100.00% Pervious Area

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

Subcatchment 28S: POST - 14



Summary for Subcatchment 29S: PRE - 15

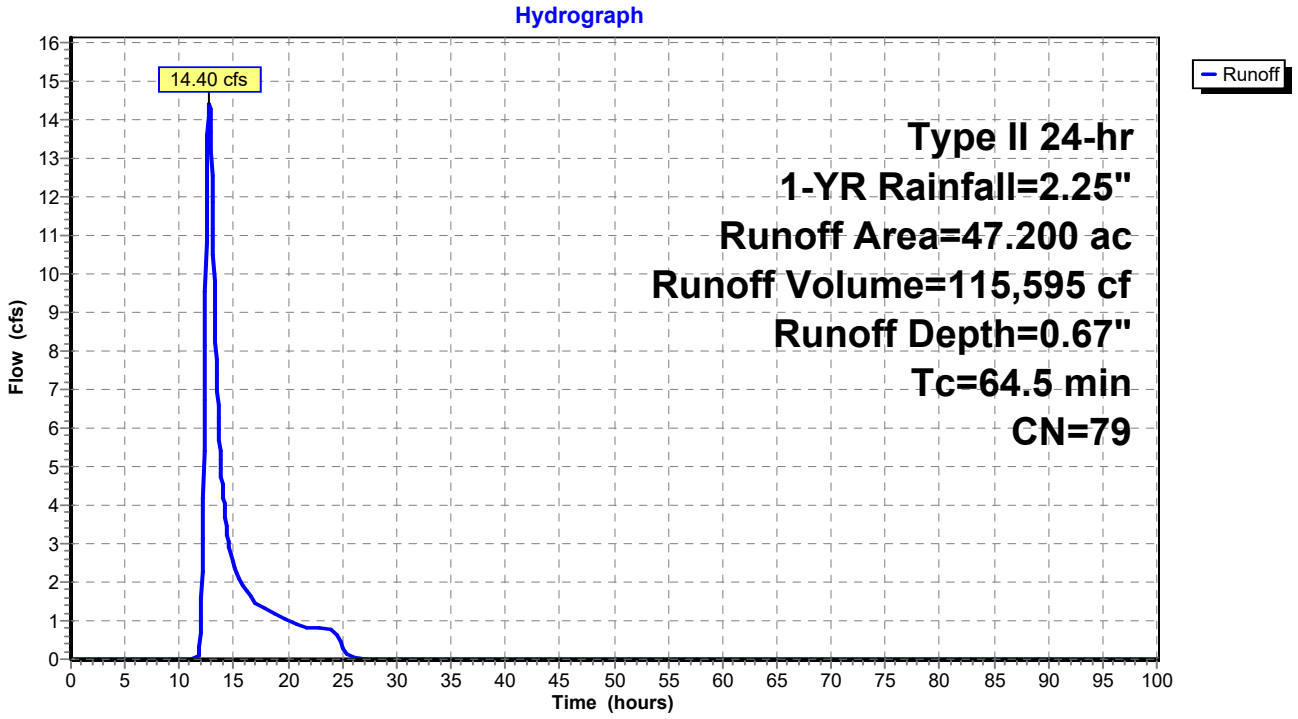
Runoff = 14.40 cfs @ 12.74 hrs, Volume= 115,595 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	47.200	79	
	47.200		100.00% Pervious Area

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

Subcatchment 29S: PRE - 15



Summary for Subcatchment 30S: POST - 15

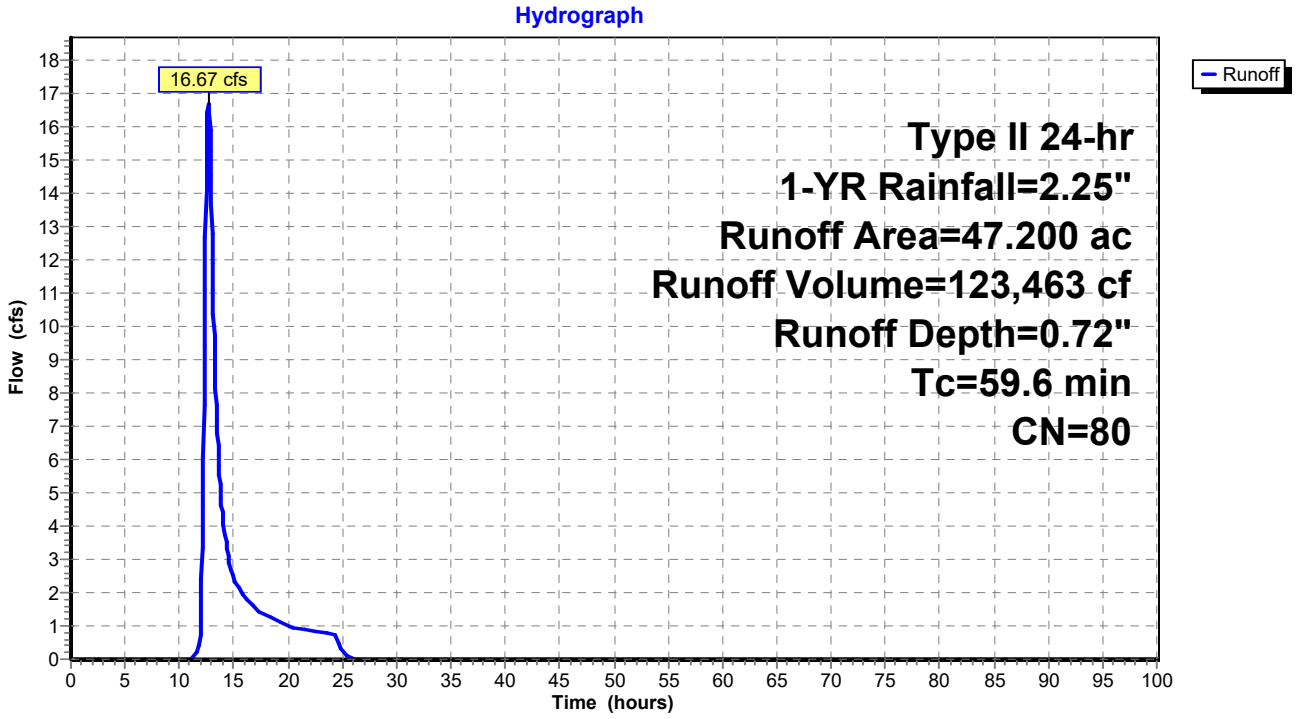
Runoff = 16.67 cfs @ 12.66 hrs, Volume= 123,463 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	47.200	80	
	47.200		100.00% Pervious Area

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

Subcatchment 30S: POST - 15



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=1.09"
Tc=77.7 min CN=81 Runoff=15.67 cfs 135,002 cf

Subcatchment2S: POST - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=1.15"
Tc=70.7 min CN=82 Runoff=17.98 cfs 142,420 cf

Subcatchment3S: PRE - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=1.03"
Tc=72.4 min CN=80 Runoff=15.20 cfs 125,227 cf

Subcatchment4S: POST - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=1.09"
Tc=66.8 min CN=81 Runoff=17.21 cfs 132,239 cf

Subcatchment5S: PRE - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=1.03"
Tc=61.7 min CN=80 Runoff=23.59 cfs 172,328 cf

Subcatchment6S: POST - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=1.09"
Tc=69.5 min CN=81 Runoff=23.01 cfs 181,977 cf

Subcatchment7S: PRE - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=0.82"
Tc=44.0 min CN=76 Runoff=52.49 cfs 315,880 cf

Subcatchment8S: POST - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=0.87"
Tc=47.7 min CN=77 Runoff=53.35 cfs 335,172 cf

Subcatchment9S: PRE - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=1.15"
Tc=30.3 min CN=82 Runoff=13.60 cfs 58,717 cf

Subcatchment10S: POST - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=1.15"
Tc=30.3 min CN=82 Runoff=13.60 cfs 58,717 cf

Subcatchment11S: PRE - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=0.87"
Tc=52.9 min CN=77 Runoff=50.27 cfs 340,532 cf

Subcatchment12S: POST - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=0.92"
Tc=57.9 min CN=78 Runoff=50.58 cfs 360,848 cf

Subcatchment13S: PRE - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=0.68"
Tc=41.9 min CN=73 Runoff=3.63 cfs 22,431 cf

Subcatchment14S: POST - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=0.82"
Tc=29.2 min CN=76 Runoff=6.02 cfs 27,041 cf

Subcatchment15S: PRE - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=0.82"
Tc=50.4 min CN=76 Runoff=17.16 cfs 114,109 cf

Subcatchment16S: POST - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=0.97"
Tc=44.1 min CN=79 Runoff=23.49 cfs 135,787 cf

Subcatchment17S: PRE - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=1.03"
Tc=59.6 min CN=80 Runoff=40.10 cfs 285,219 cf

Subcatchment18S: POST - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=0.97"
Tc=55.0 min CN=79 Runoff=39.75 cfs 269,806 cf

Subcatchment19S: PRE - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=1.15"
Tc=23.1 min CN=82 Runoff=27.69 cfs 100,360 cf

Subcatchment20S: POST - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=1.09"
Tc=25.0 min CN=81 Runoff=24.80 cfs 95,133 cf

Subcatchment21S: PRE - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=0.72"
Tc=32.4 min CN=74 Runoff=20.90 cfs 104,845 cf

Subcatchment22S: POST - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=0.82"
Tc=24.7 min CN=76 Runoff=29.53 cfs 118,566 cf

Subcatchment23S: PRE - 12 Runoff Area=11.200 ac 0.00% Impervious Runoff Depth=0.68"
Tc=30.2 min CN=73 Runoff=5.66 cfs 27,607 cf

Subcatchment24S: POST - 12 Runoff Area=11.300 ac 0.00% Impervious Runoff Depth=0.87"
Tc=20.4 min CN=77 Runoff=10.16 cfs 35,630 cf

Subcatchment25S: PRE - 13 Runoff Area=17.300 ac 0.00% Impervious Runoff Depth=0.97"
Tc=28.3 min CN=79 Runoff=14.43 cfs 61,175 cf

Subcatchment26S: POST - 13 Runoff Area=17.100 ac 0.00% Impervious Runoff Depth=1.09"
Tc=28.3 min CN=81 Runoff=16.21 cfs 67,501 cf

Subcatchment27S: PRE - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=0.97"
Tc=53.5 min CN=79 Runoff=15.55 cfs 103,255 cf

Subcatchment28S: POST - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=1.21"
Tc=44.9 min CN=83 Runoff=22.74 cfs 128,160 cf

Subcatchment29S: PRE - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=0.97"
Tc=64.5 min CN=79 Runoff=21.84 cfs 166,905 cf

Subcatchment30S: POST - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=1.03"
Tc=59.6 min CN=80 Runoff=24.80 cfs 176,440 cf

Total Runoff Area = 55,308,132 sf Runoff Volume = 4,399,030 cf Average Runoff Depth = 0.95"
100.00% Pervious = 55,308,132 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 1

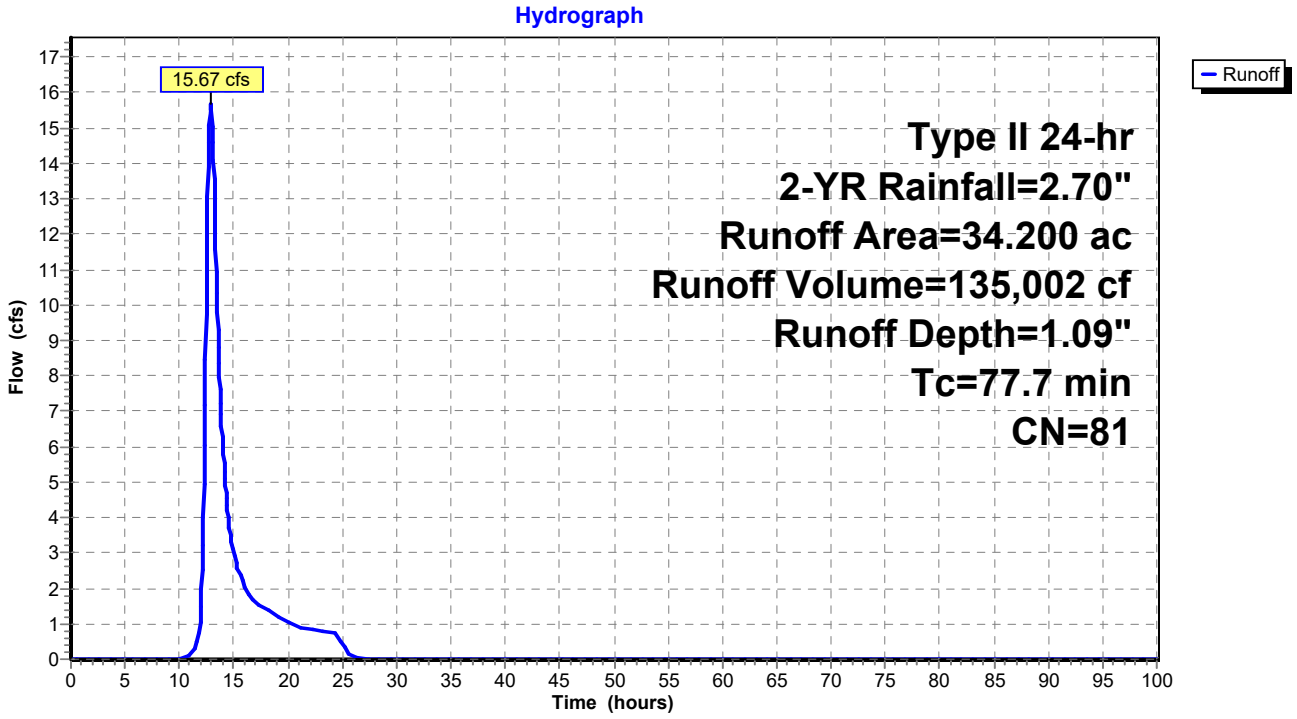
Runoff = 15.67 cfs @ 12.88 hrs, Volume= 135,002 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	34.200	81	
	34.200		100.00% Pervious Area

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

Subcatchment 1S: PRE - 1



Summary for Subcatchment 2S: POST - 1

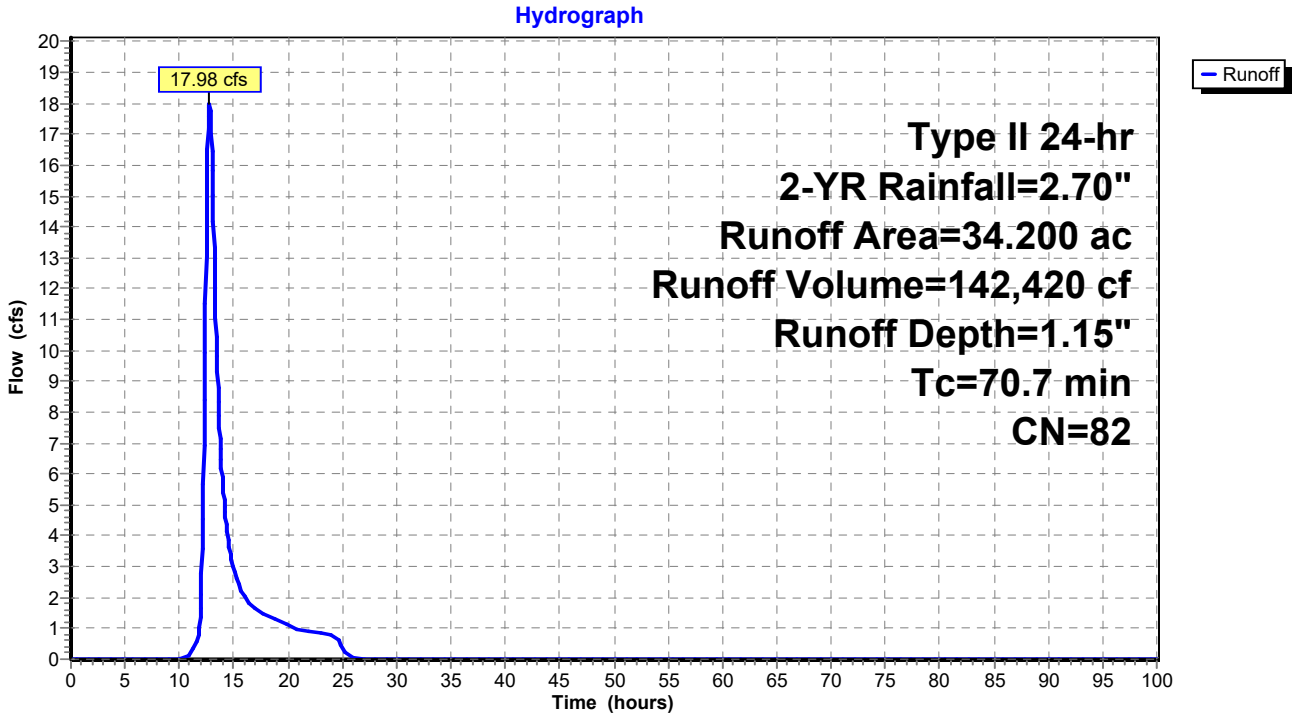
Runoff = 17.98 cfs @ 12.79 hrs, Volume= 142,420 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	34.200	82	
	34.200		100.00% Pervious Area

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

Subcatchment 2S: POST - 1



Summary for Subcatchment 3S: PRE - 2

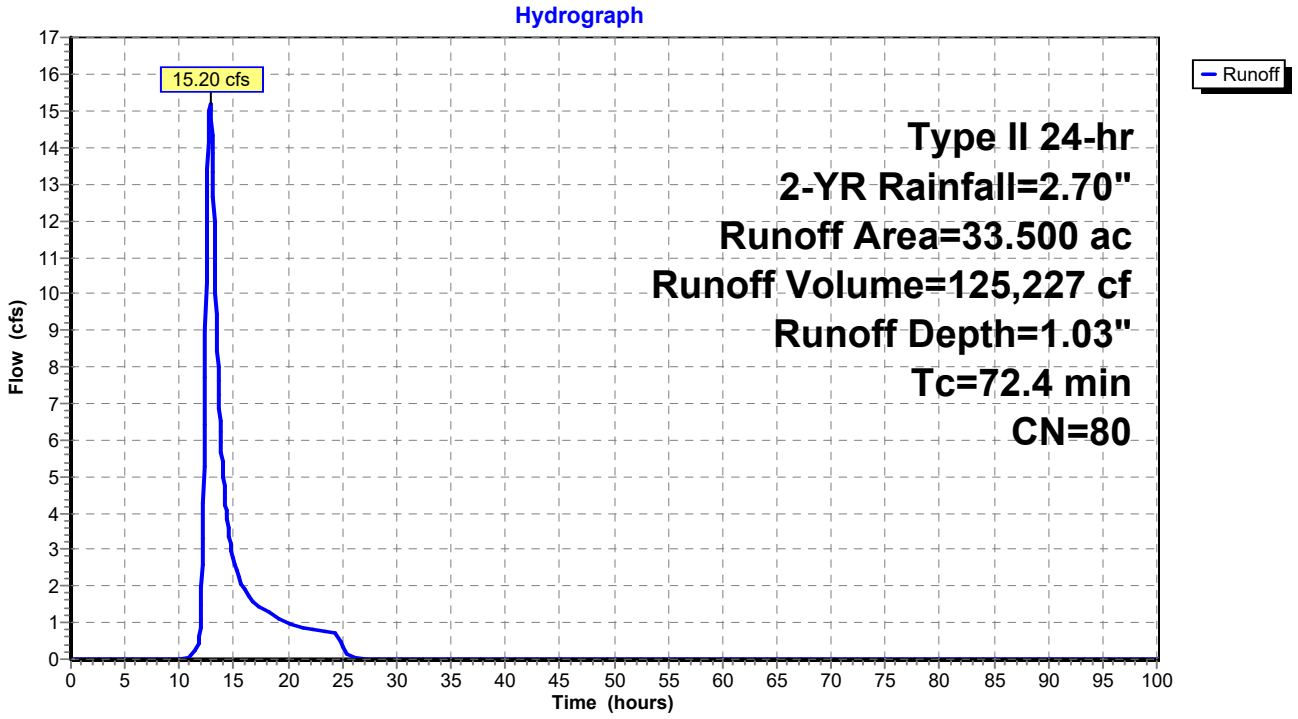
Runoff = 15.20 cfs @ 12.81 hrs, Volume= 125,227 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	33.500	80	
	33.500		100.00% Pervious Area

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

Subcatchment 3S: PRE - 2



Summary for Subcatchment 4S: POST - 2

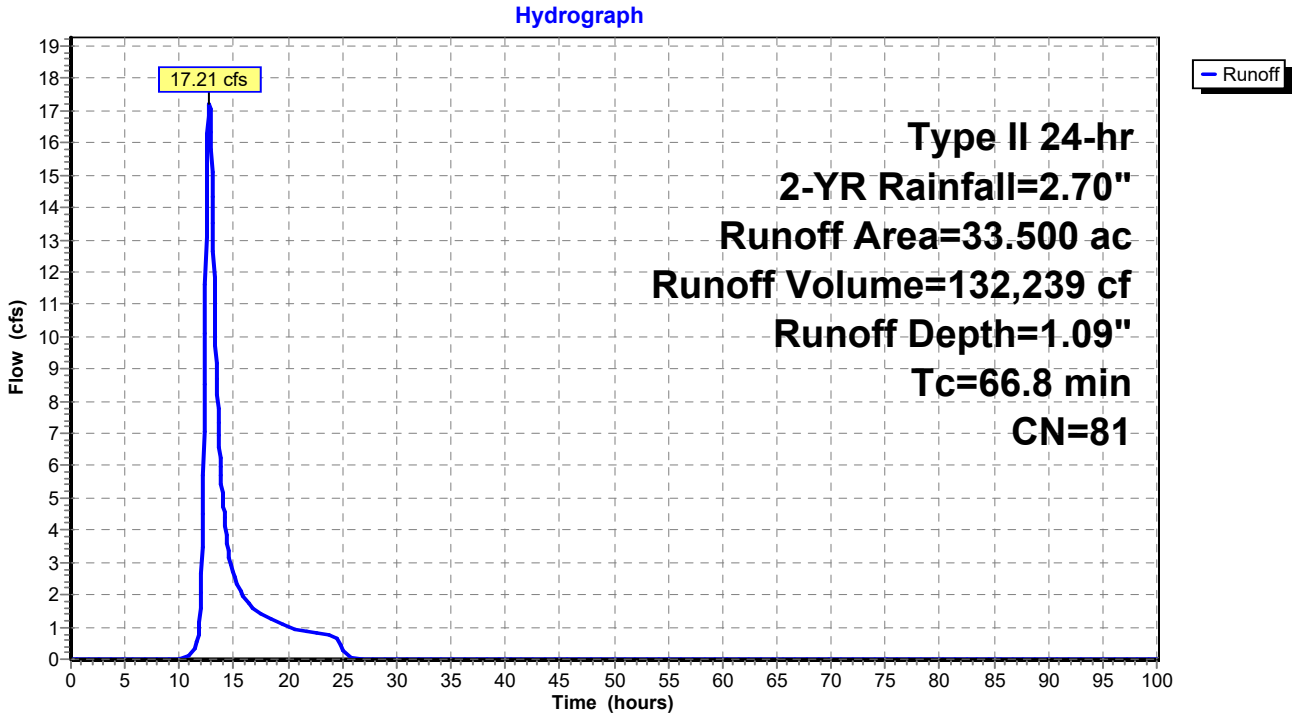
Runoff = 17.21 cfs @ 12.74 hrs, Volume= 132,239 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	33.500	81	
	33.500		100.00% Pervious Area

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

Subcatchment 4S: POST - 2



Summary for Subcatchment 5S: PRE - 3

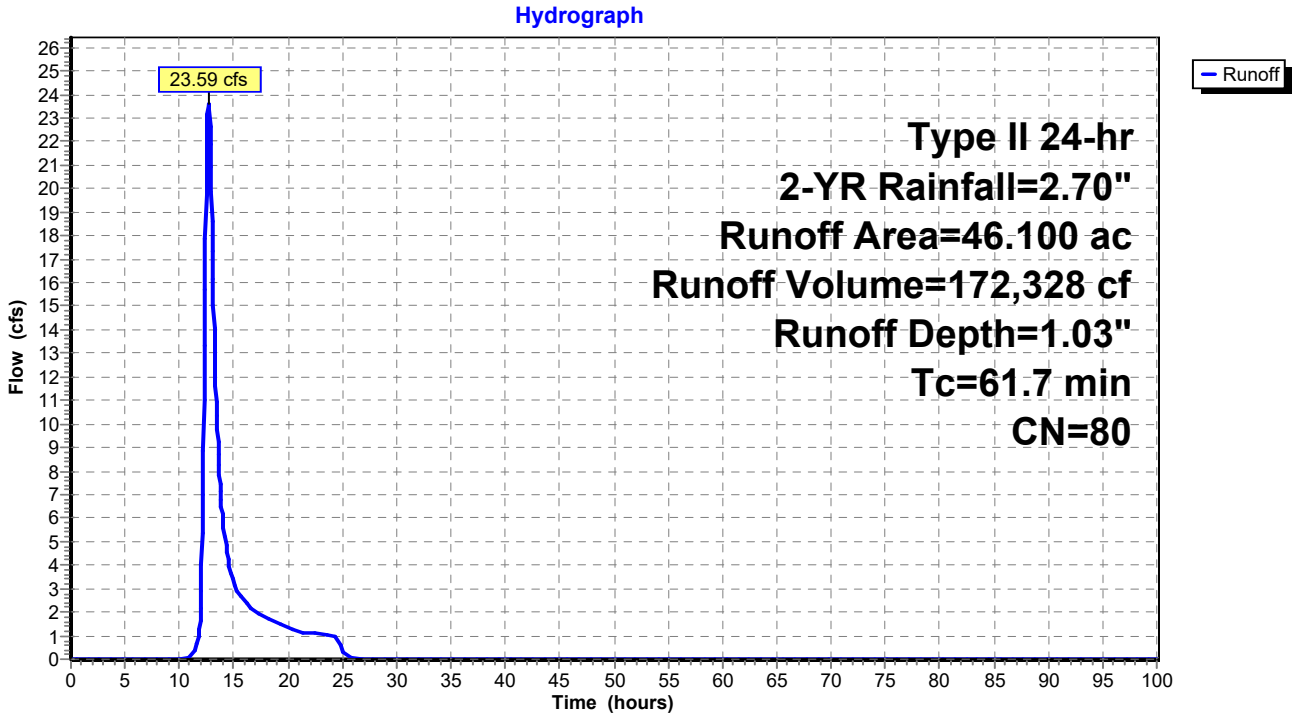
Runoff = 23.59 cfs @ 12.68 hrs, Volume= 172,328 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	46.100	80	
	46.100		100.00% Pervious Area

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

Subcatchment 5S: PRE - 3



Summary for Subcatchment 6S: POST - 3

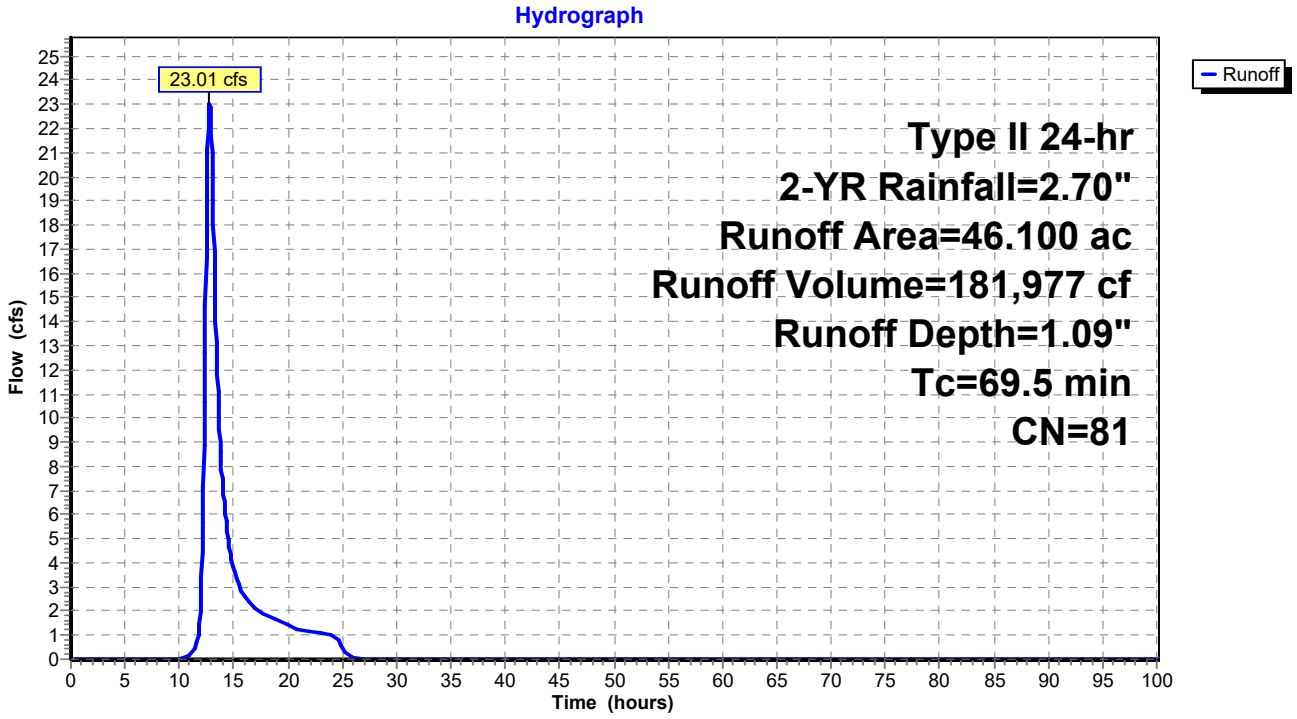
Runoff = 23.01 cfs @ 12.77 hrs, Volume= 181,977 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	46.100	81	
	46.100		100.00% Pervious Area

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

Subcatchment 6S: POST - 3



Summary for Subcatchment 7S: PRE - 4

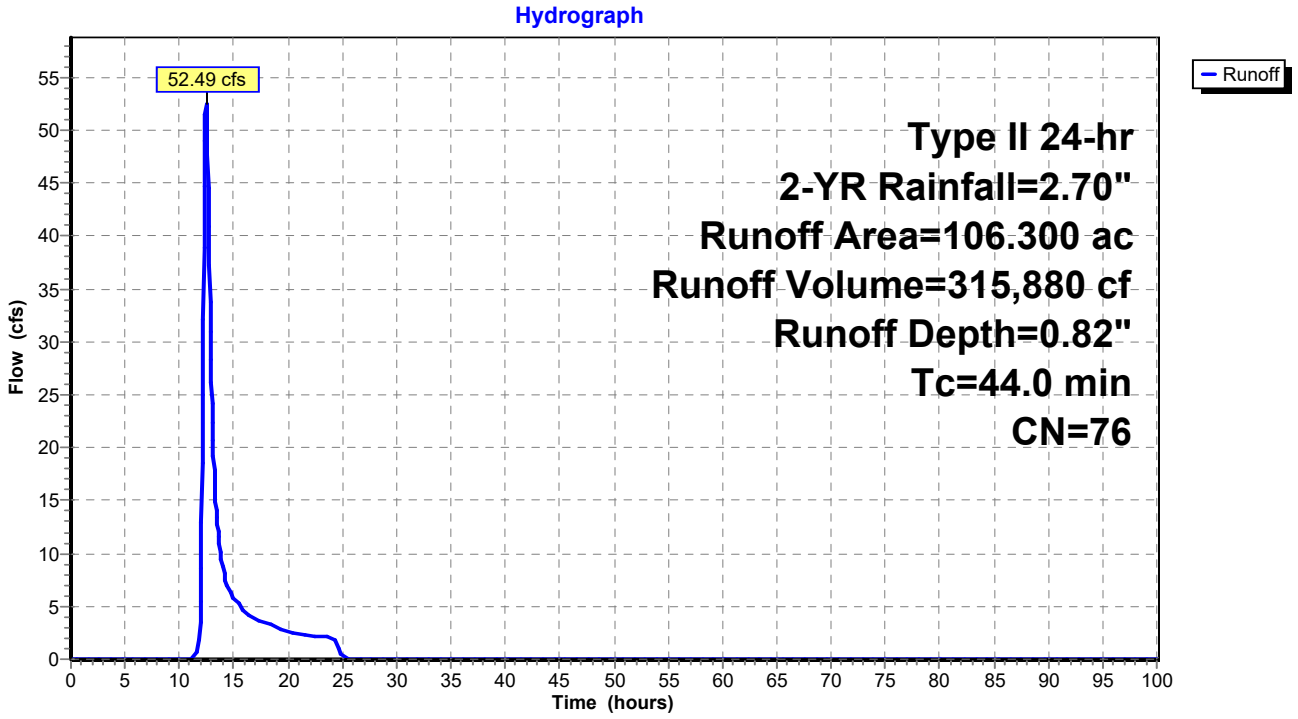
Runoff = 52.49 cfs @ 12.46 hrs, Volume= 315,880 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	106.300	76	
	106.300		100.00% Pervious Area

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

Subcatchment 7S: PRE - 4



Summary for Subcatchment 8S: POST - 4

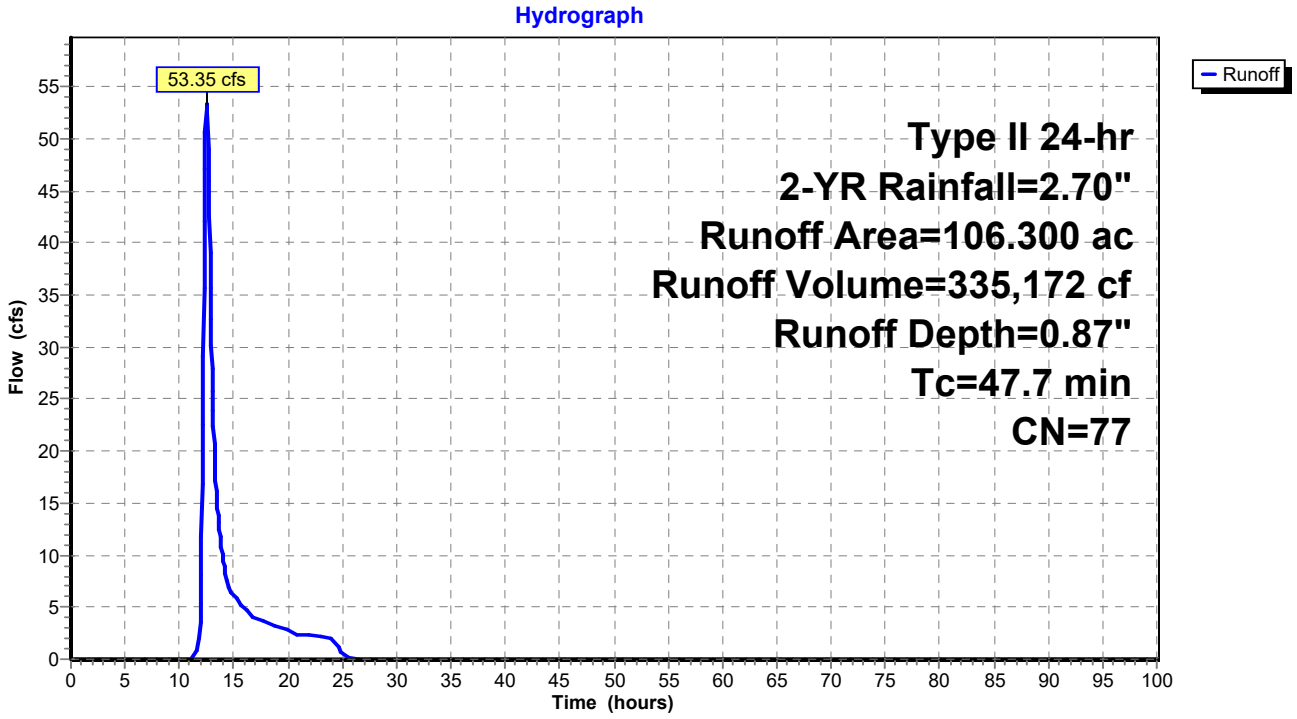
Runoff = 53.35 cfs @ 12.50 hrs, Volume= 335,172 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	106.300	77	
	106.300		100.00% Pervious Area

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

Subcatchment 8S: POST - 4



Summary for Subcatchment 9S: PRE - 5

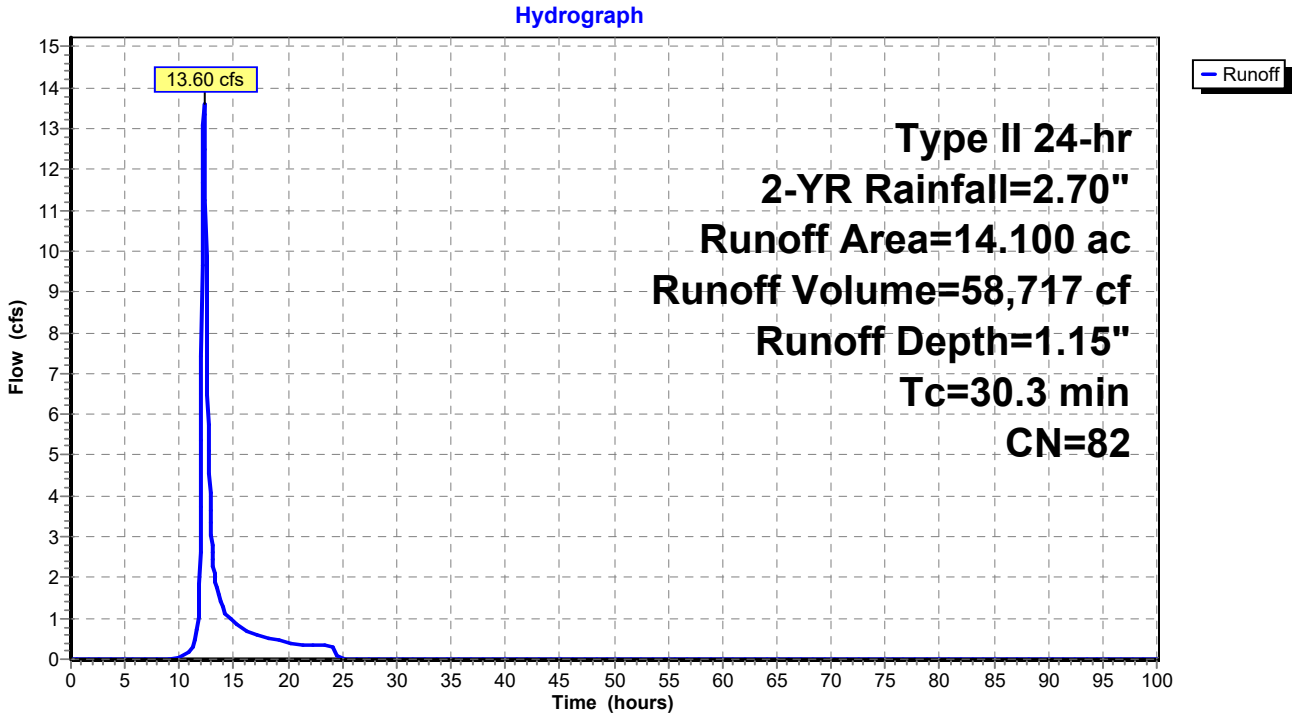
Runoff = 13.60 cfs @ 12.26 hrs, Volume= 58,717 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 9S: PRE - 5



Summary for Subcatchment 10S: POST - 5

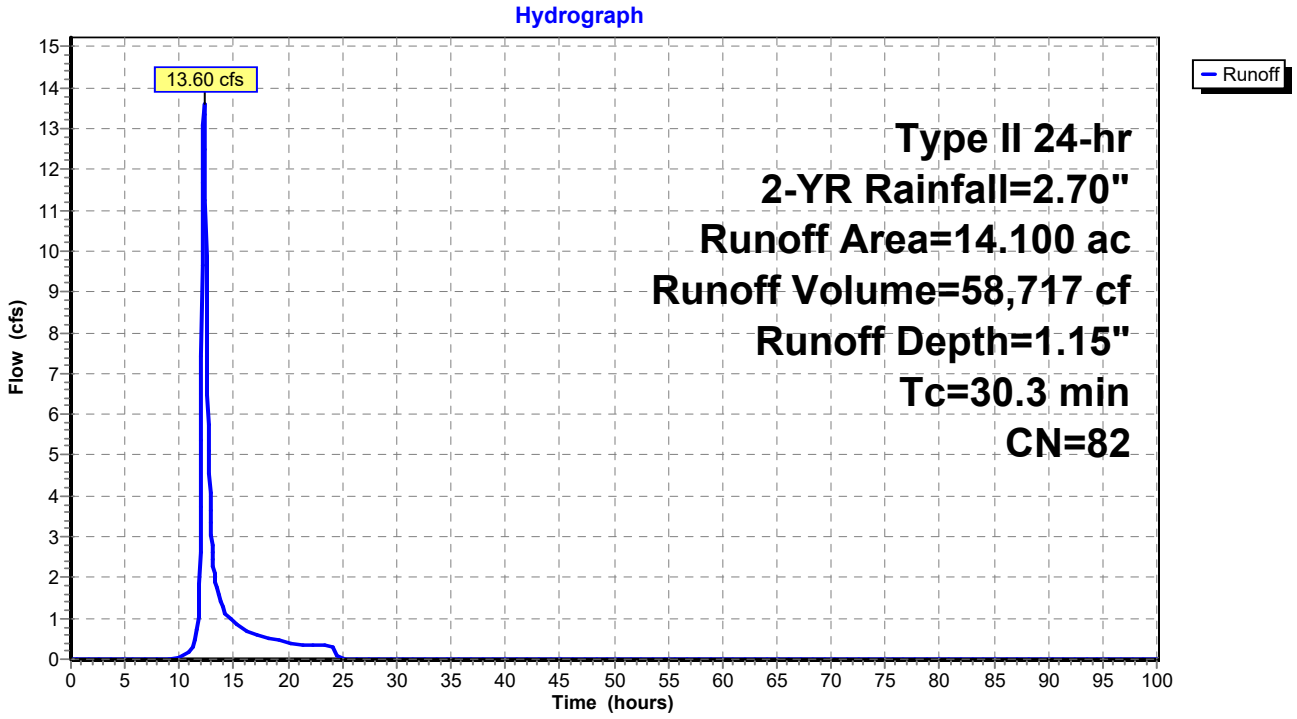
Runoff = 13.60 cfs @ 12.26 hrs, Volume= 58,717 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 10S: POST - 5



Summary for Subcatchment 11S: PRE - 6

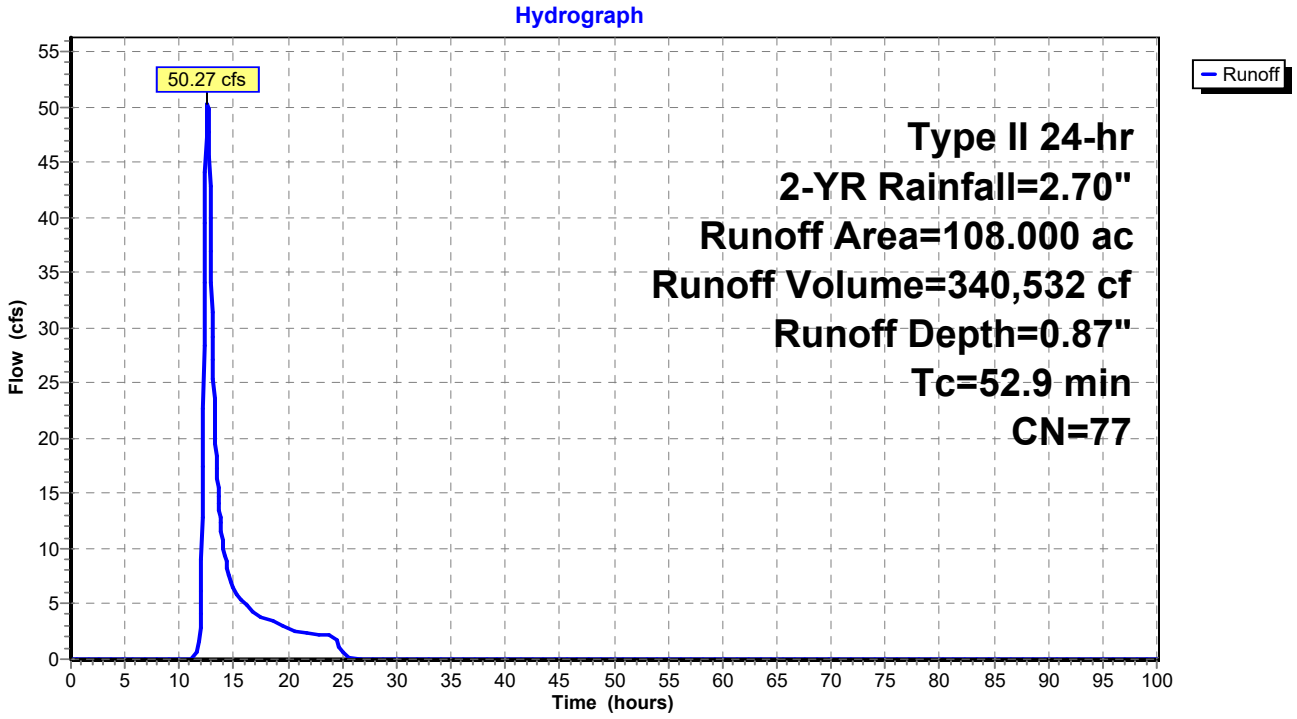
Runoff = 50.27 cfs @ 12.57 hrs, Volume= 340,532 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	108.000	77	
	108.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 6



Summary for Subcatchment 12S: POST - 6

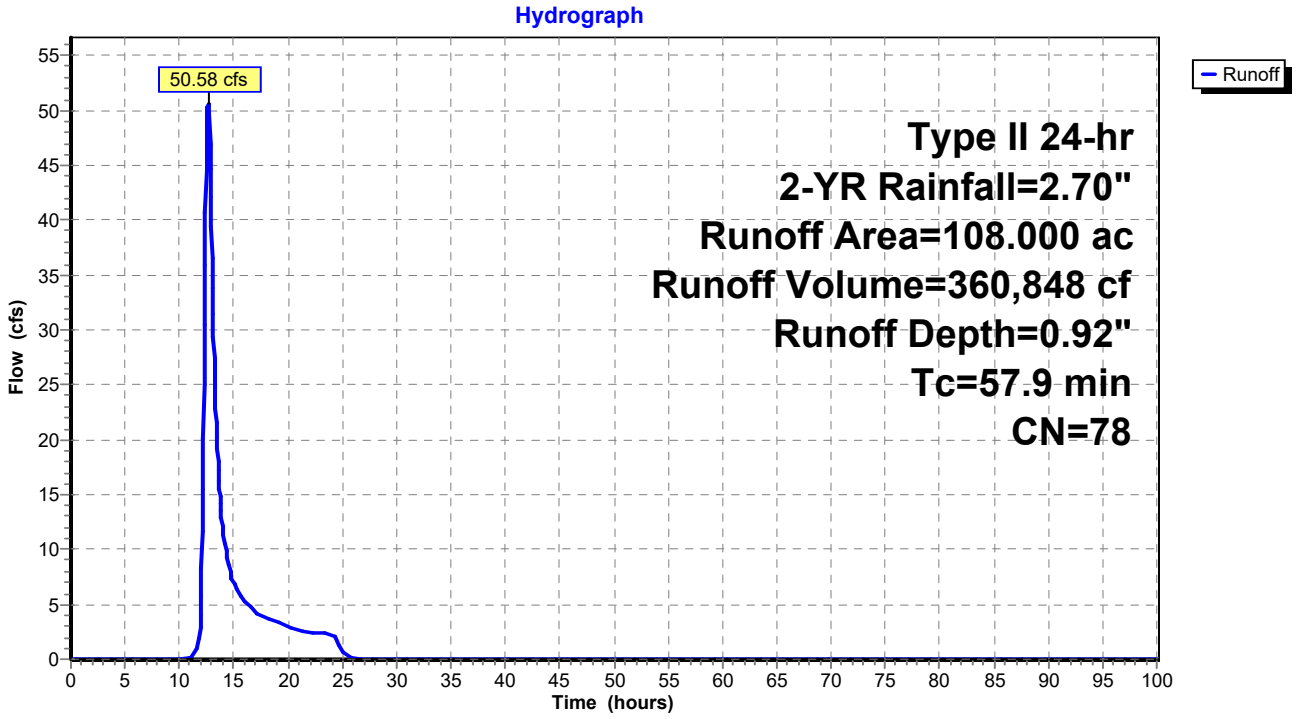
Runoff = 50.58 cfs @ 12.64 hrs, Volume= 360,848 cf, Depth= 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	108.000	78	
	108.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 6



Summary for Subcatchment 13S: PRE - 7

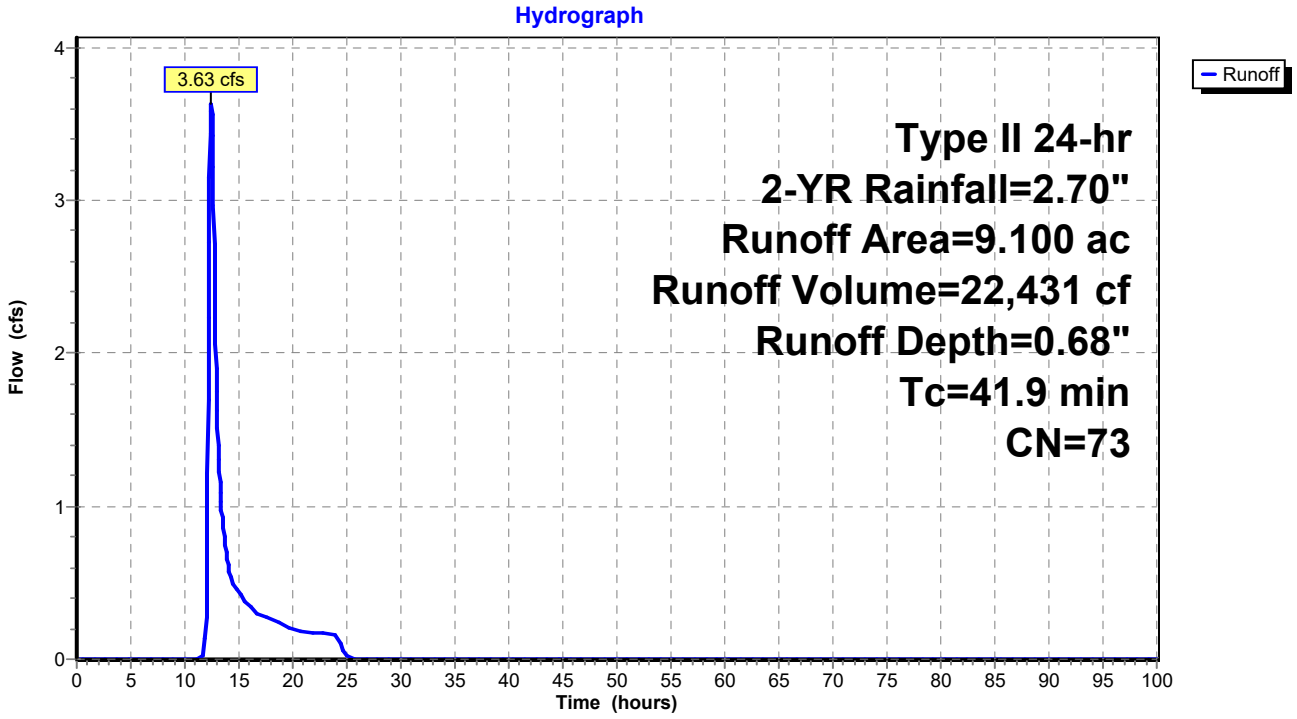
Runoff = 3.63 cfs @ 12.44 hrs, Volume= 22,431 cf, Depth= 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	9.100	73	
	9.100		100.00% Pervious Area

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

Subcatchment 13S: PRE - 7



Summary for Subcatchment 14S: POST - 7

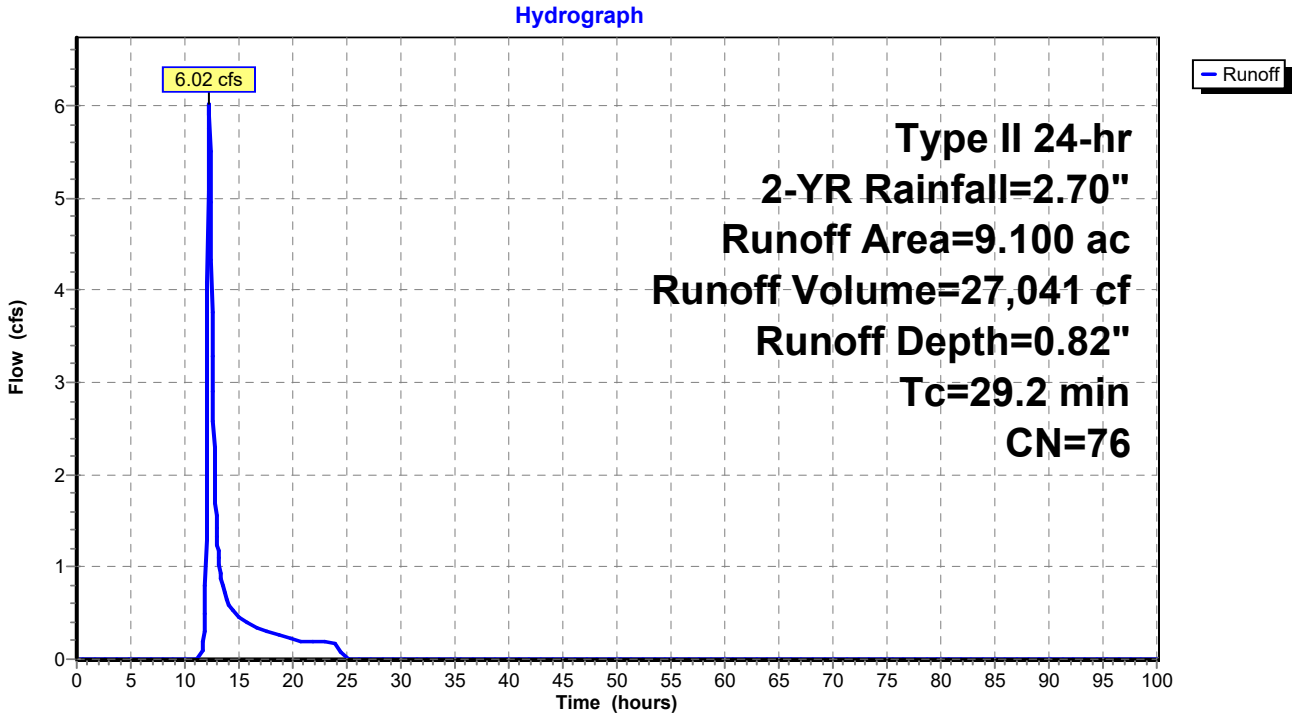
Runoff = 6.02 cfs @ 12.26 hrs, Volume= 27,041 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	9.100	76	
	9.100		100.00% Pervious Area

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

Subcatchment 14S: POST - 7



Summary for Subcatchment 15S: PRE - 8

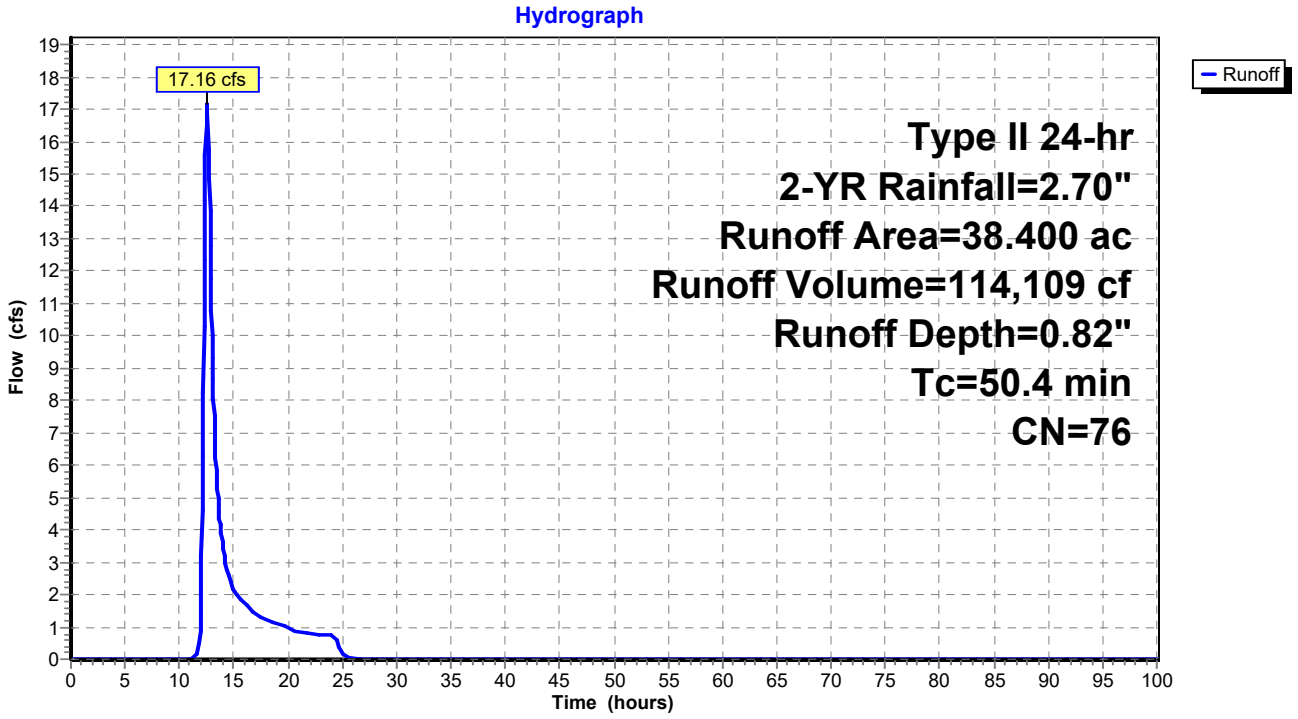
Runoff = 17.16 cfs @ 12.54 hrs, Volume= 114,109 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	38.400	76	
	38.400		100.00% Pervious Area

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

Subcatchment 15S: PRE - 8



Summary for Subcatchment 16S: POST - 8

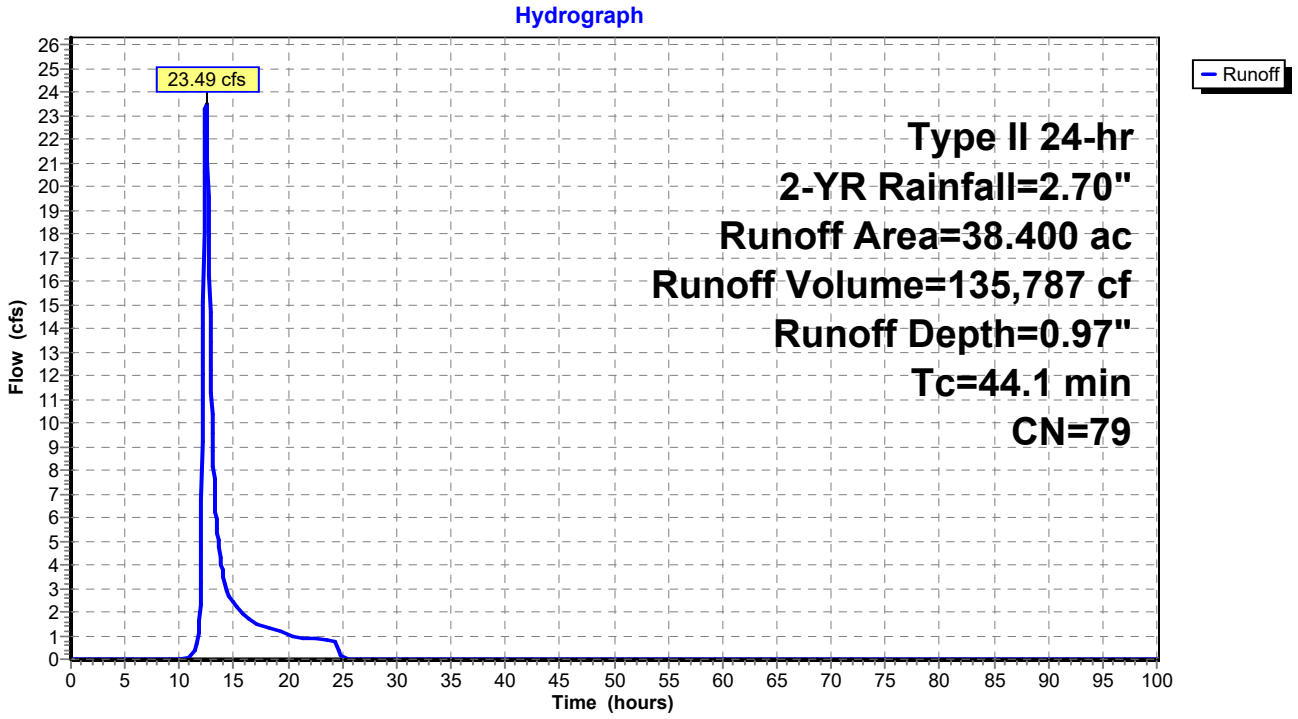
Runoff = 23.49 cfs @ 12.44 hrs, Volume= 135,787 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	38.400	79	
	38.400		100.00% Pervious Area

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

Subcatchment 16S: POST - 8



Summary for Subcatchment 17S: PRE - 9

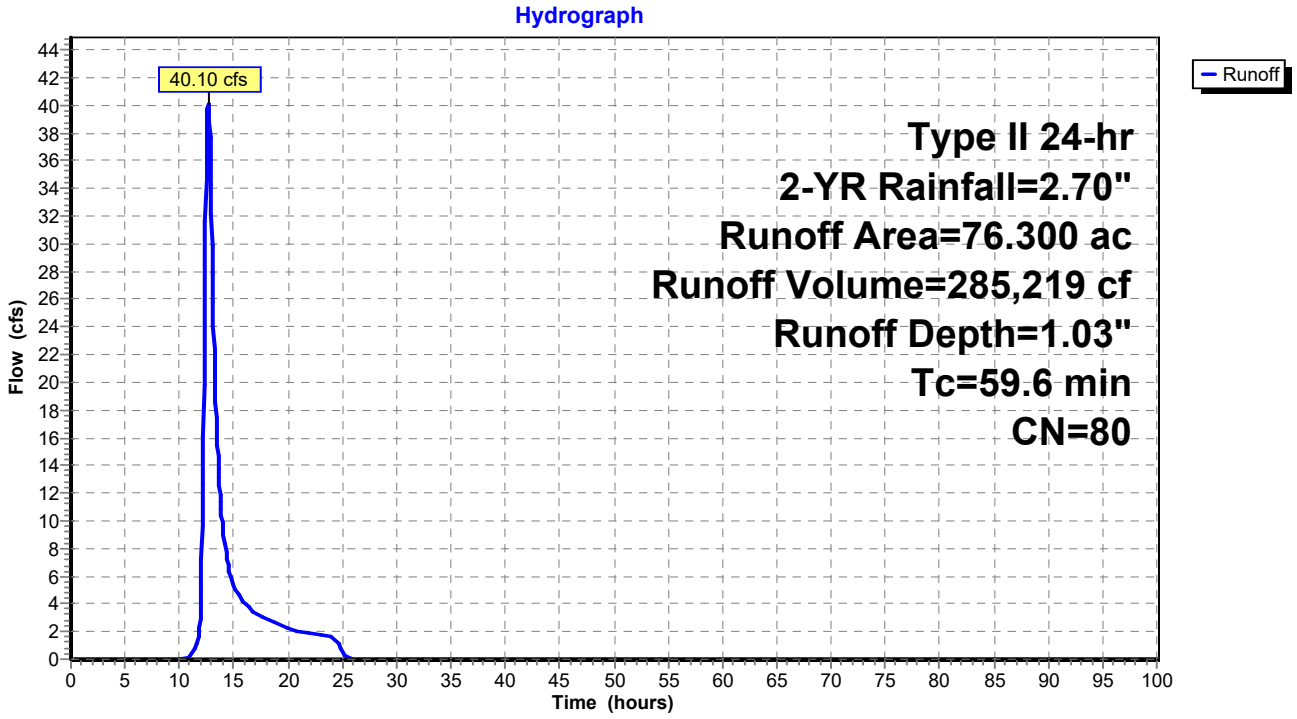
Runoff = 40.10 cfs @ 12.65 hrs, Volume= 285,219 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	76.300	80	
	76.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 9



Summary for Subcatchment 18S: POST - 9

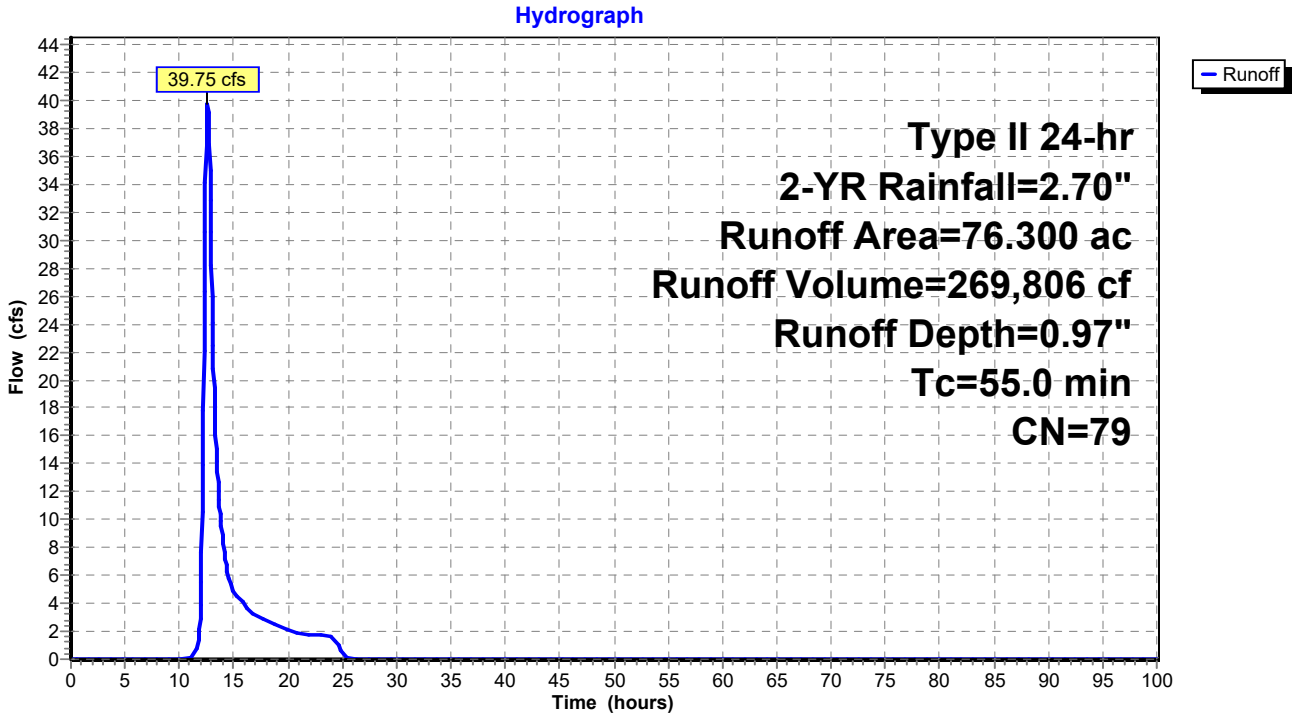
Runoff = 39.75 cfs @ 12.59 hrs, Volume= 269,806 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	76.300	79	
	76.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 9



Summary for Subcatchment 19S: PRE - 10

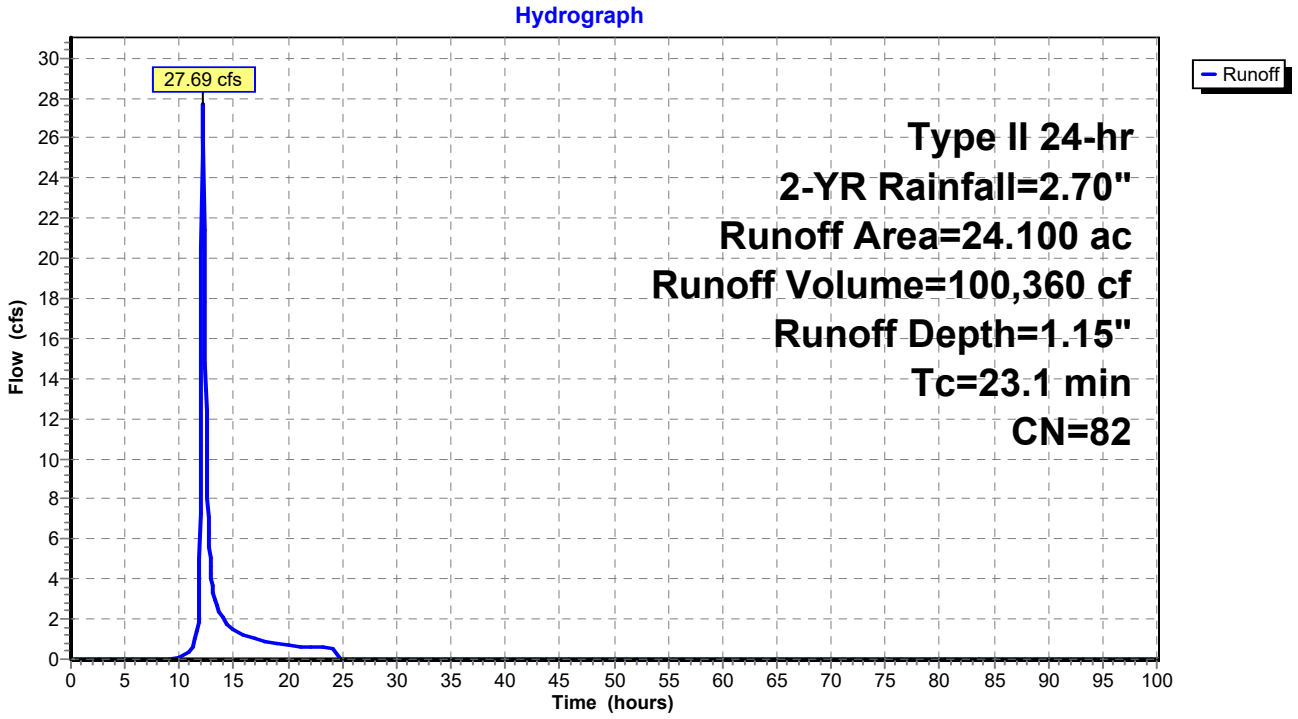
Runoff = 27.69 cfs @ 12.17 hrs, Volume= 100,360 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	24.100	82	
	24.100		100.00% Pervious Area

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

Subcatchment 19S: PRE - 10



Summary for Subcatchment 20S: POST - 10

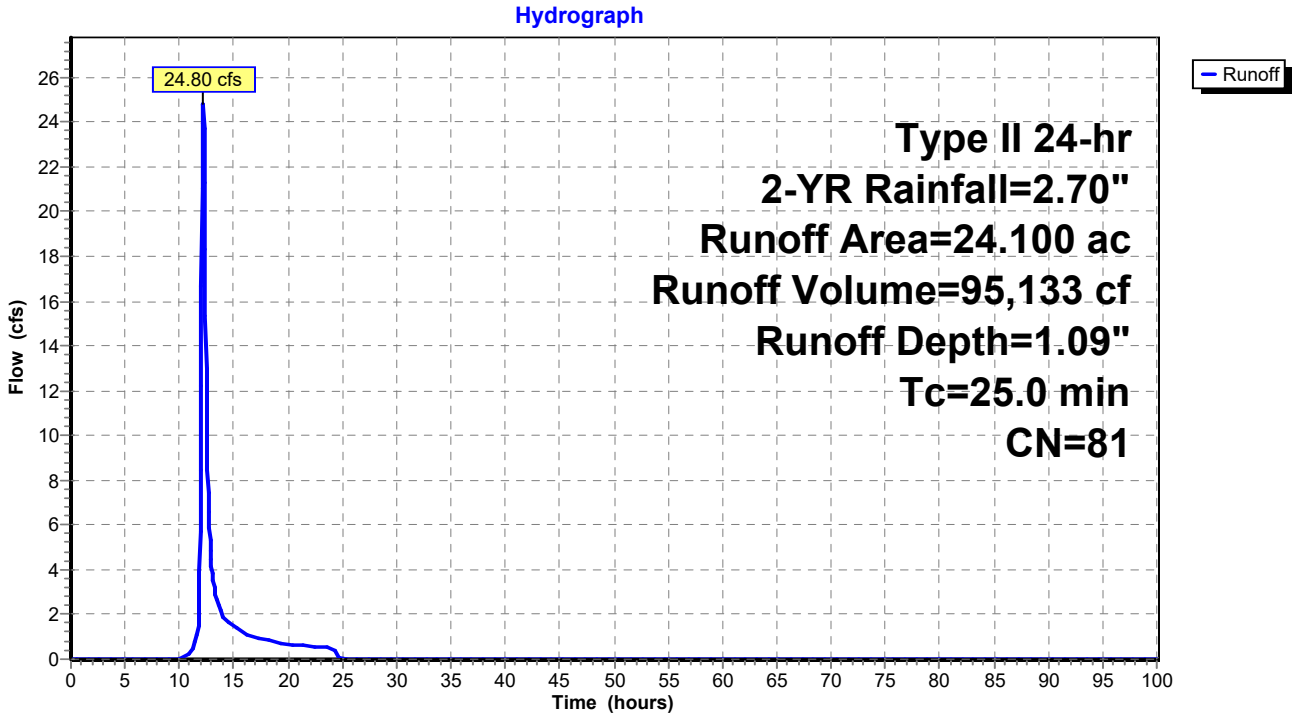
Runoff = 24.80 cfs @ 12.20 hrs, Volume= 95,133 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	24.100	81	
	24.100		100.00% Pervious Area

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

Subcatchment 20S: POST - 10



Summary for Subcatchment 21S: PRE - 11

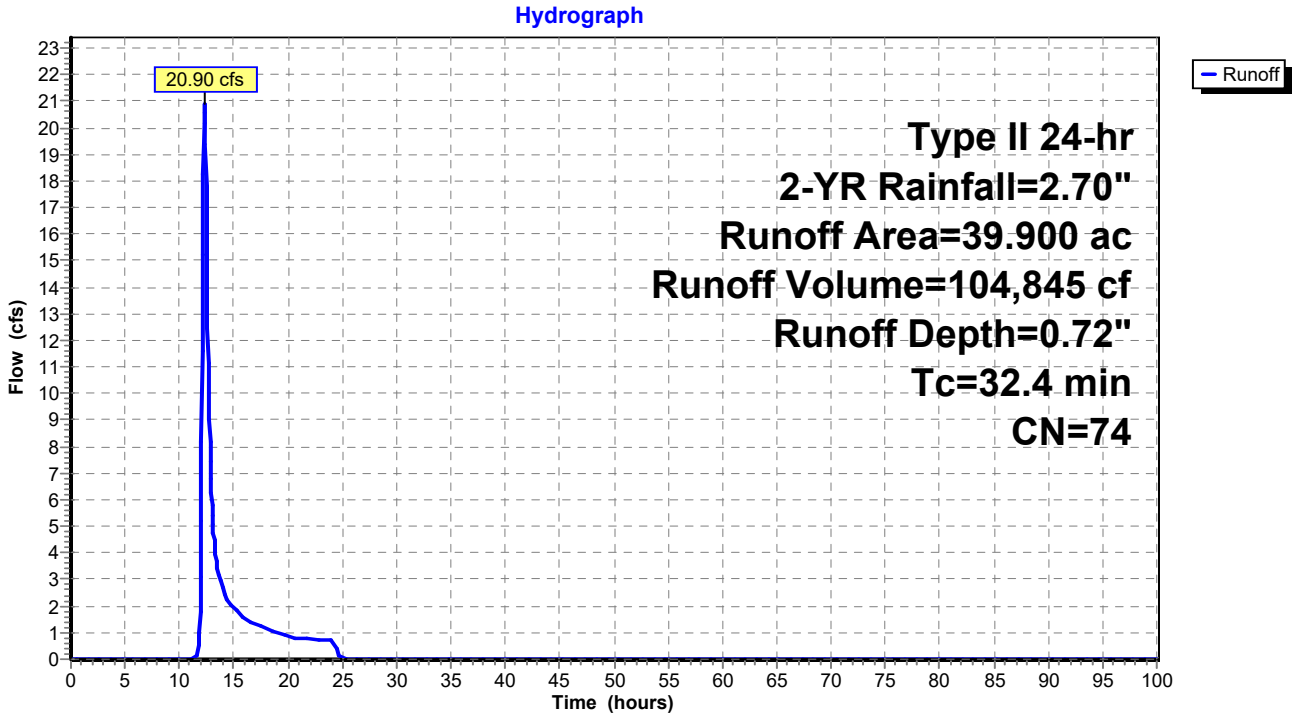
Runoff = 20.90 cfs @ 12.31 hrs, Volume= 104,845 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	39.900	74	
	39.900		100.00% Pervious Area

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

Subcatchment 21S: PRE - 11



Summary for Subcatchment 22S: POST - 11

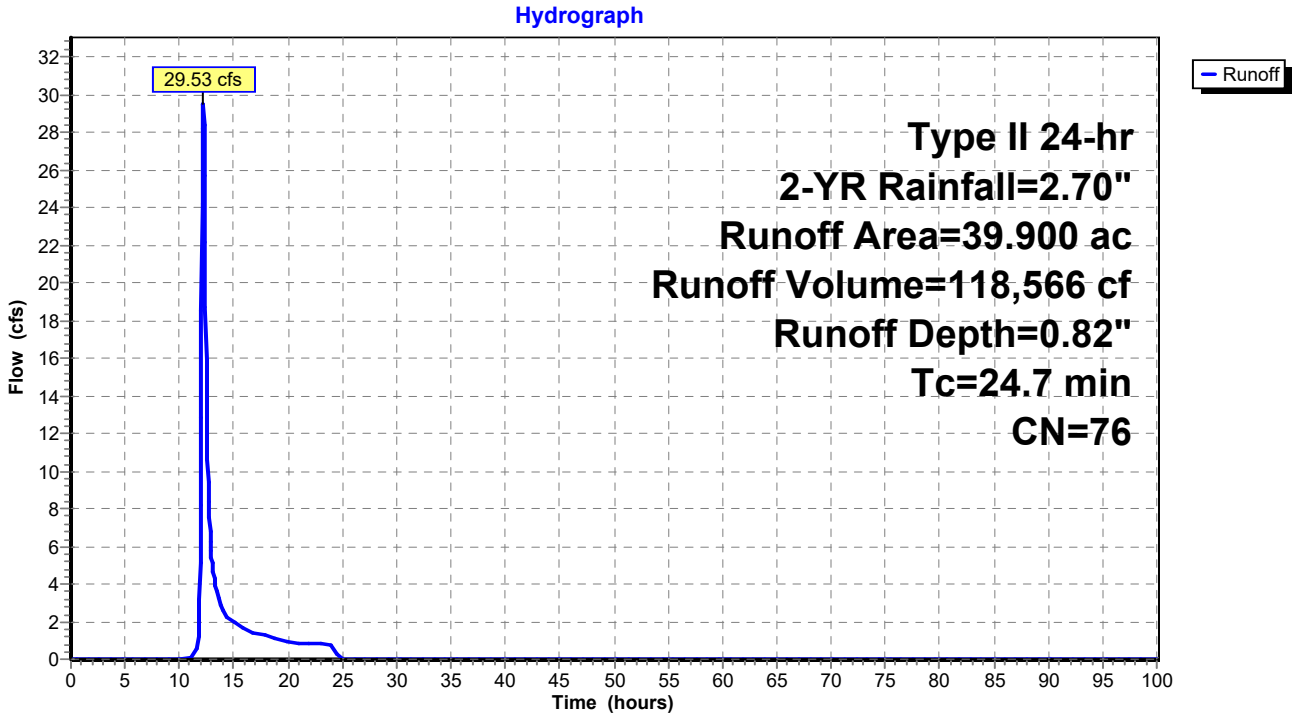
Runoff = 29.53 cfs @ 12.20 hrs, Volume= 118,566 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	39.900	76	
	39.900		100.00% Pervious Area

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

Subcatchment 22S: POST - 11



Summary for Subcatchment 23S: PRE - 12

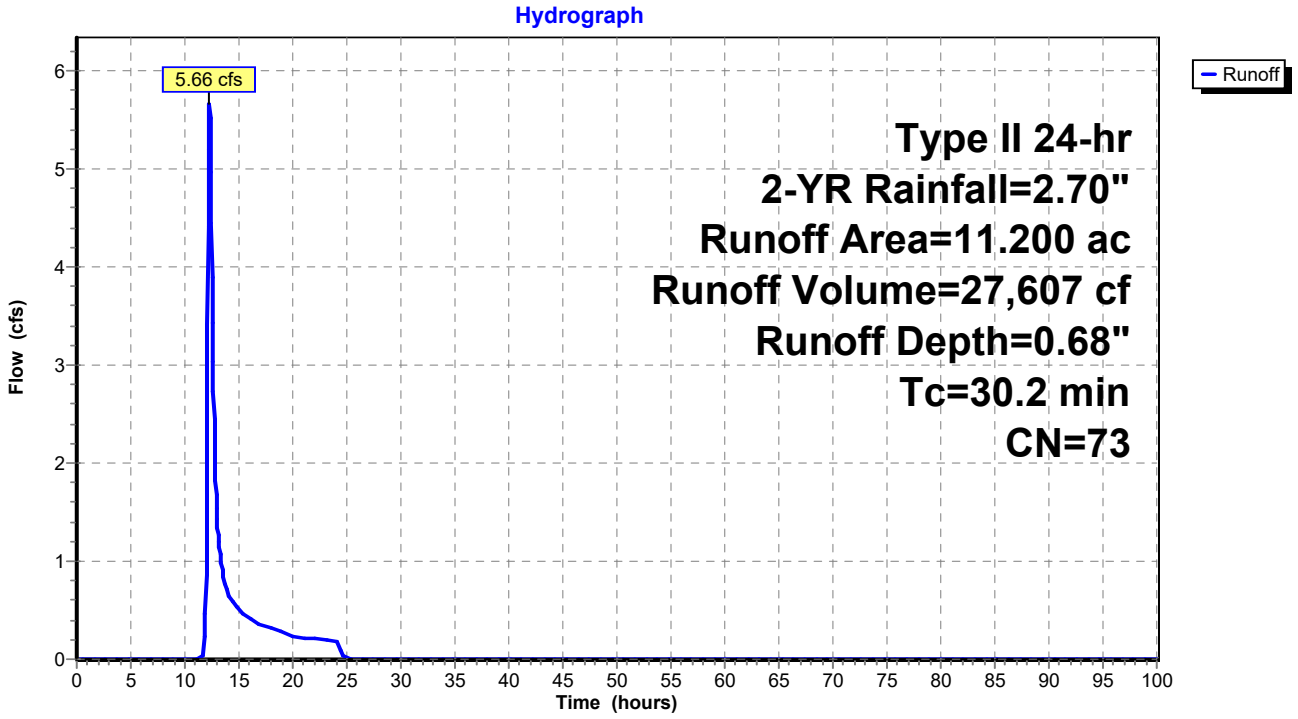
Runoff = 5.66 cfs @ 12.28 hrs, Volume= 27,607 cf, Depth= 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	11.200	73	
	11.200		100.00% Pervious Area

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

Subcatchment 23S: PRE - 12



Summary for Subcatchment 24S: POST - 12

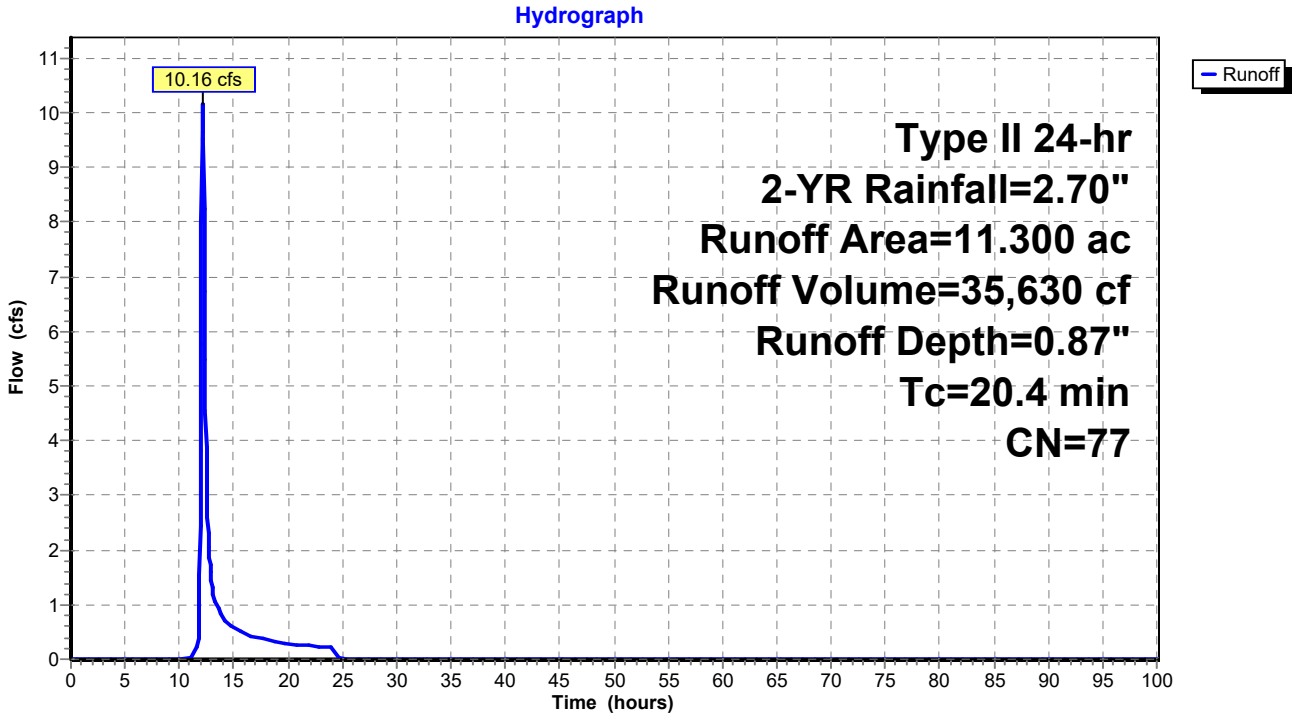
Runoff = 10.16 cfs @ 12.15 hrs, Volume= 35,630 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	11.300	77	
	11.300		100.00% Pervious Area

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

Subcatchment 24S: POST - 12



Summary for Subcatchment 25S: PRE - 13

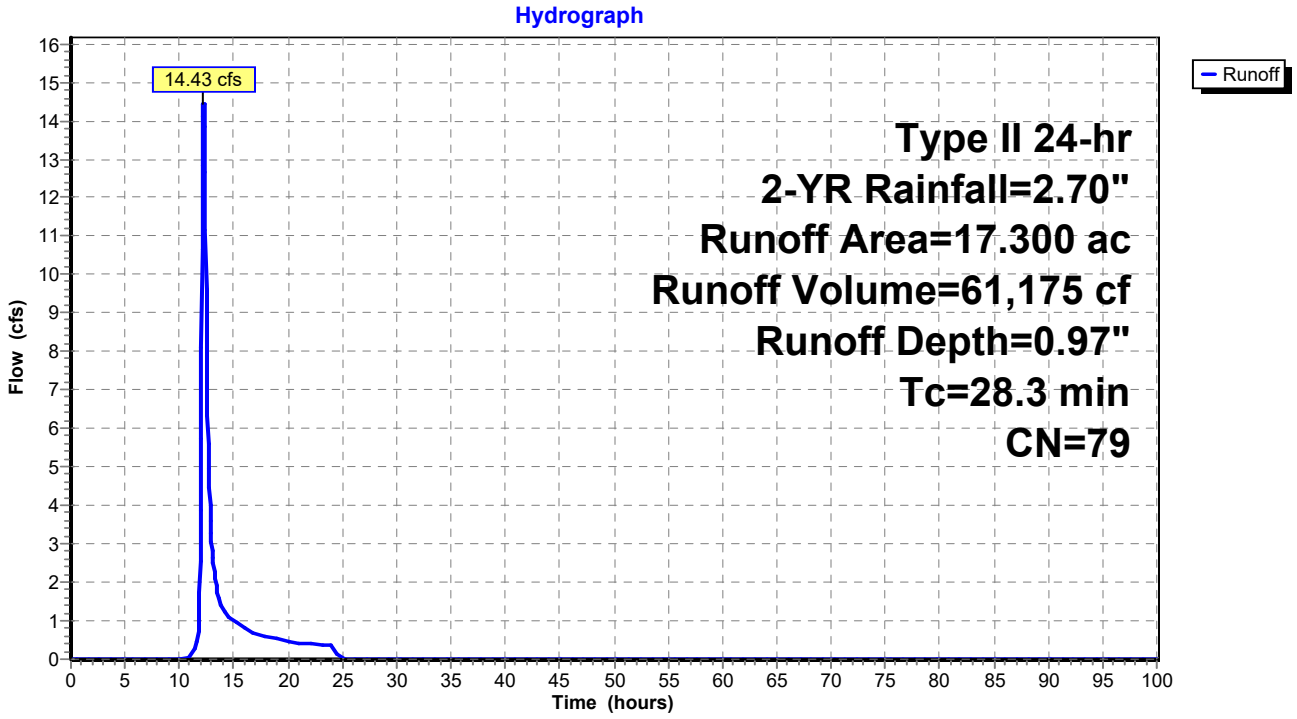
Runoff = 14.43 cfs @ 12.24 hrs, Volume= 61,175 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	17.300	79	
	17.300		100.00% Pervious Area

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

Subcatchment 25S: PRE - 13



Summary for Subcatchment 26S: POST - 13

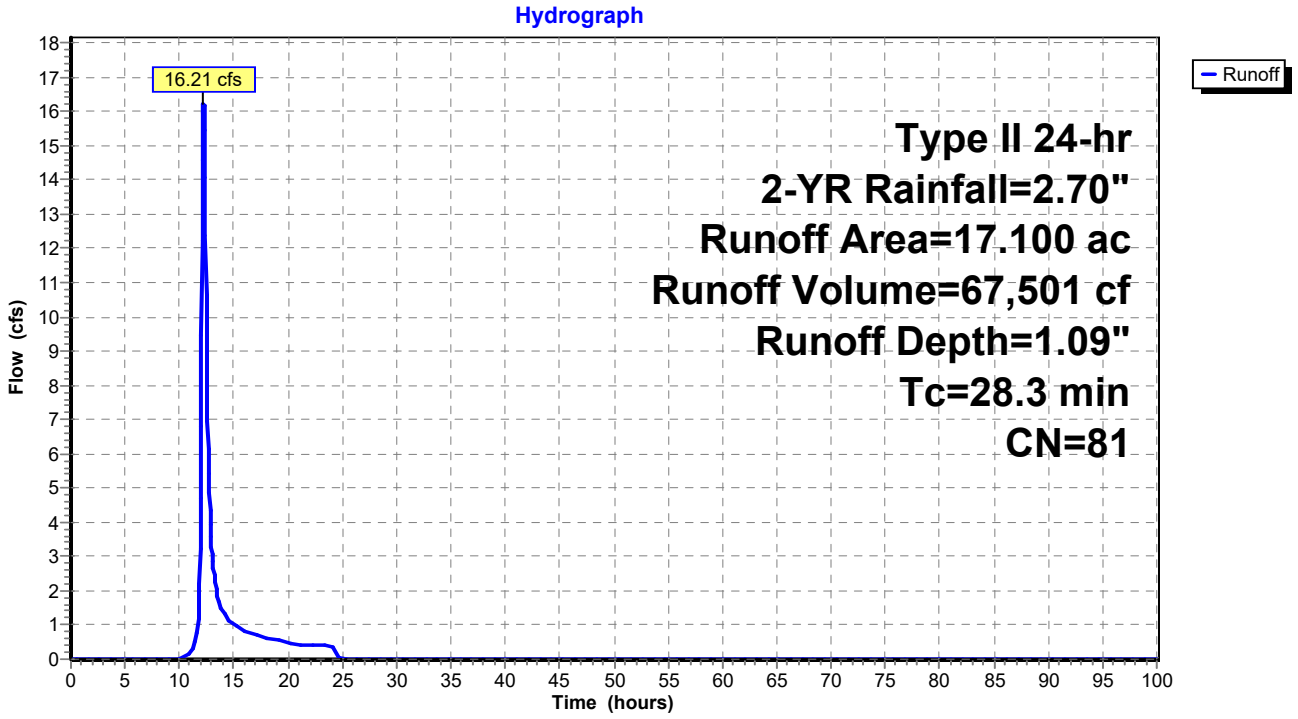
Runoff = 16.21 cfs @ 12.24 hrs, Volume= 67,501 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	17.100	81	
	17.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 13



Summary for Subcatchment 27S: PRE - 14

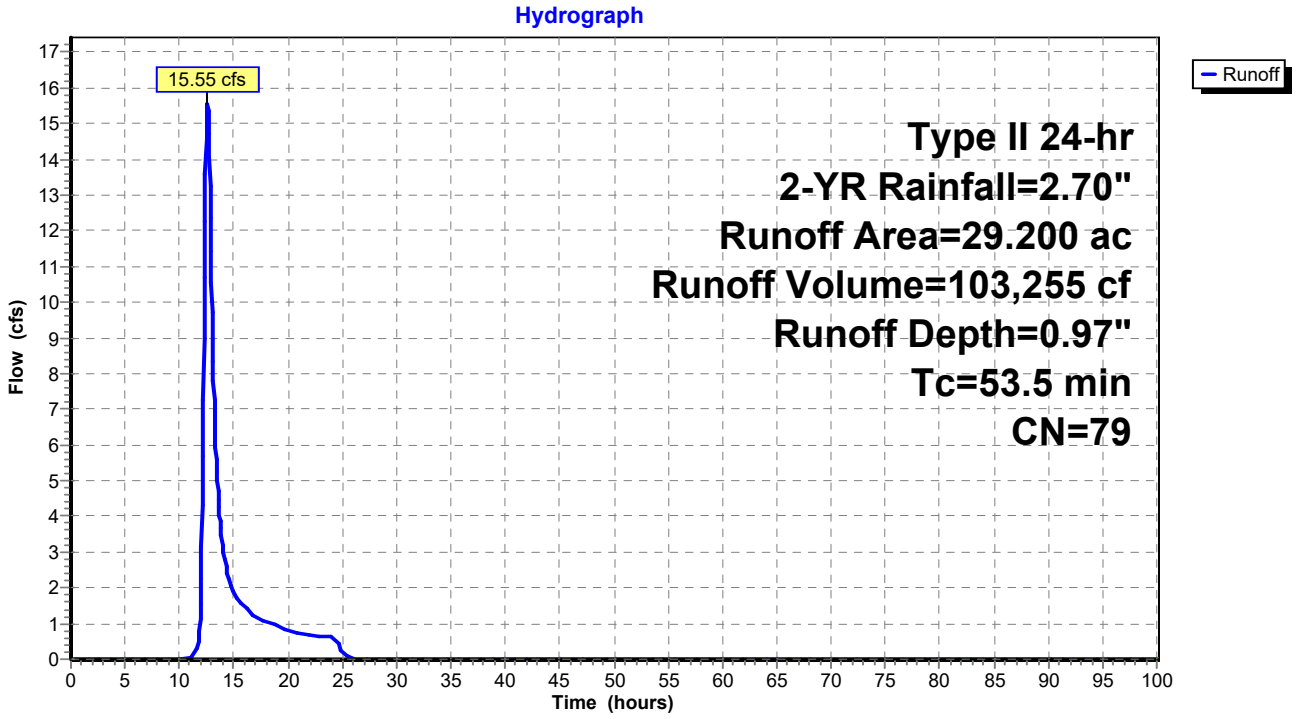
Runoff = 15.55 cfs @ 12.57 hrs, Volume= 103,255 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	29.200	79	
	29.200		100.00% Pervious Area

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

Subcatchment 27S: PRE - 14



Summary for Subcatchment 28S: POST - 14

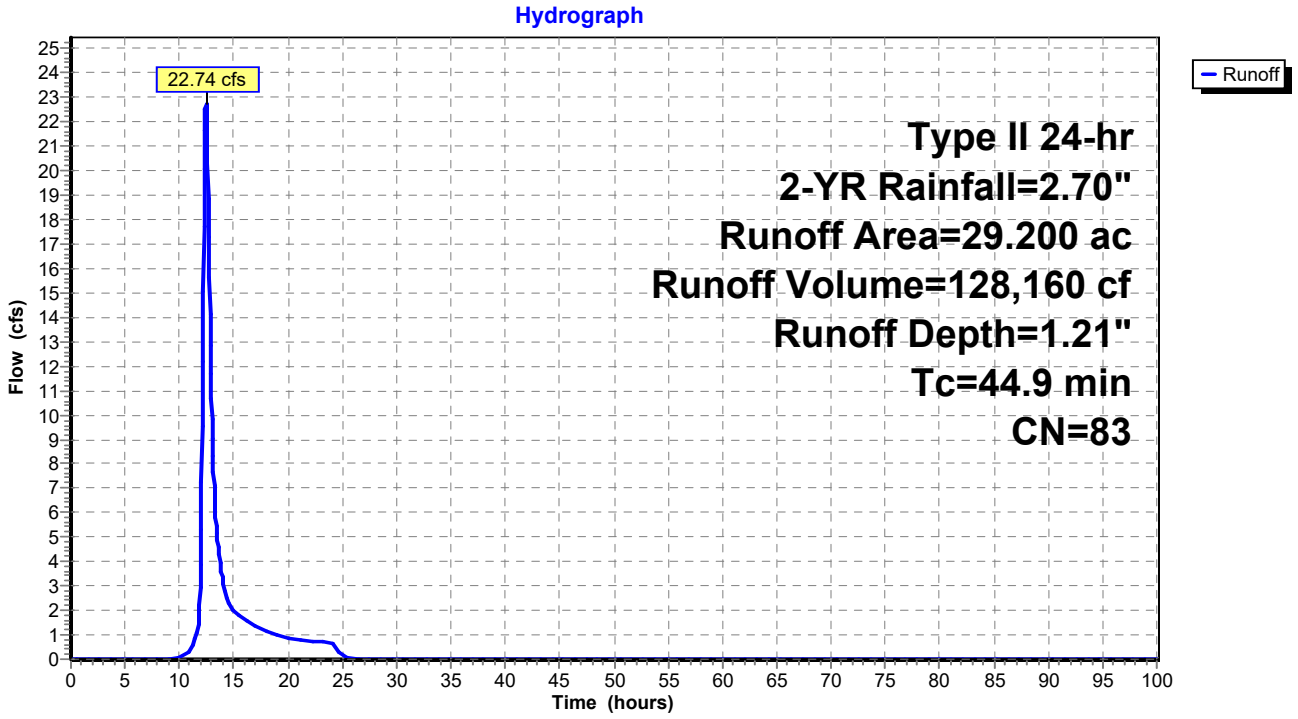
Runoff = 22.74 cfs @ 12.44 hrs, Volume= 128,160 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	29.200	83	
	29.200		100.00% Pervious Area

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

Subcatchment 28S: POST - 14



Summary for Subcatchment 29S: PRE - 15

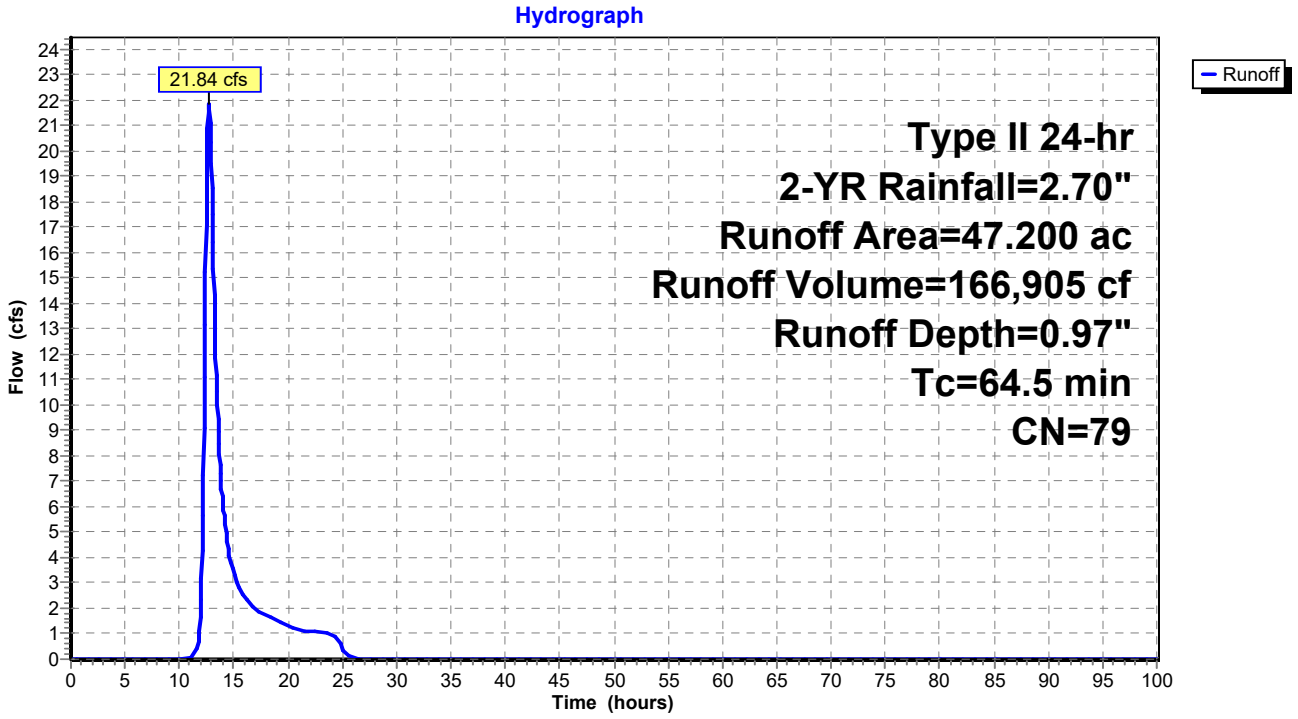
Runoff = 21.84 cfs @ 12.72 hrs, Volume= 166,905 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	47.200	79	
	47.200		100.00% Pervious Area

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

Subcatchment 29S: PRE - 15



Summary for Subcatchment 30S: POST - 15

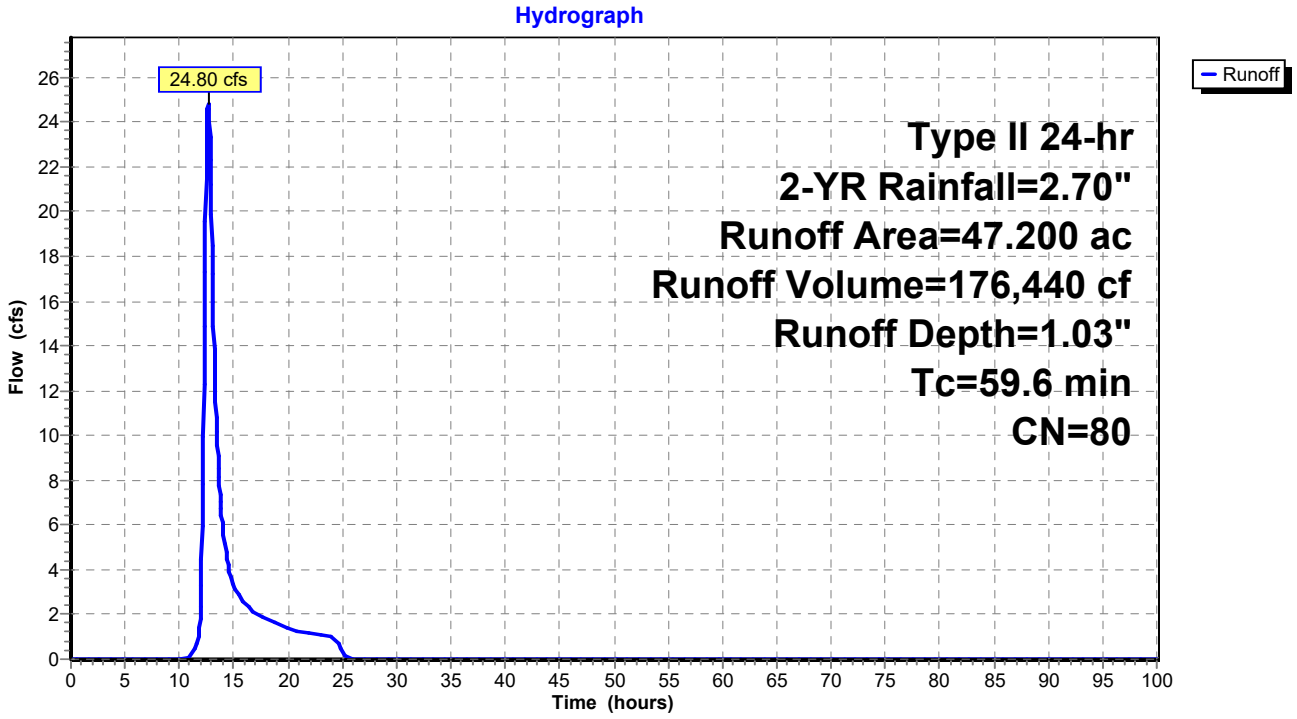
Runoff = 24.80 cfs @ 12.65 hrs, Volume= 176,440 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	47.200	80	
	47.200		100.00% Pervious Area

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

Subcatchment 30S: POST - 15



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=2.16"
Tc=77.7 min CN=81 Runoff=32.43 cfs 268,601 cf

Subcatchment2S: POST - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=2.25"
Tc=70.7 min CN=82 Runoff=36.25 cfs 278,803 cf

Subcatchment3S: PRE - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=2.08"
Tc=72.4 min CN=80 Runoff=32.14 cfs 253,310 cf

Subcatchment4S: POST - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=2.16"
Tc=66.8 min CN=81 Runoff=35.59 cfs 263,103 cf

Subcatchment5S: PRE - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=2.08"
Tc=61.7 min CN=80 Runoff=49.77 cfs 348,585 cf

Subcatchment6S: POST - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=2.16"
Tc=69.5 min CN=81 Runoff=47.52 cfs 362,061 cf

Subcatchment7S: PRE - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=1.78"
Tc=44.0 min CN=76 Runoff=122.97 cfs 685,659 cf

Subcatchment8S: POST - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=1.85"
Tc=47.7 min CN=77 Runoff=121.84 cfs 714,286 cf

Subcatchment9S: PRE - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=2.25"
Tc=30.3 min CN=82 Runoff=27.21 cfs 114,945 cf

Subcatchment10S: POST - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=2.25"
Tc=30.3 min CN=82 Runoff=27.21 cfs 114,945 cf

Subcatchment11S: PRE - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=1.85"
Tc=52.9 min CN=77 Runoff=114.69 cfs 725,709 cf

Subcatchment12S: POST - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=1.93"
Tc=57.9 min CN=78 Runoff=112.16 cfs 755,401 cf

Subcatchment13S: PRE - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=1.56"
Tc=41.9 min CN=73 Runoff=9.40 cfs 51,645 cf

Subcatchment14S: POST - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=1.78"
Tc=29.2 min CN=76 Runoff=13.98 cfs 58,697 cf

Subcatchment15S: PRE - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=1.78"
Tc=50.4 min CN=76 Runoff=40.38 cfs 247,689 cf

Subcatchment16S: POST - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=2.00"
Tc=44.1 min CN=79 Runoff=50.80 cfs 279,363 cf

Subcatchment17S: PRE - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=2.08"
Tc=59.6 min CN=80 Runoff=84.62 cfs 576,942 cf

Subcatchment18S: POST - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=2.00"
Tc=55.0 min CN=79 Runoff=86.09 cfs 555,088 cf

Subcatchment19S: PRE - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=2.25"
Tc=23.1 min CN=82 Runoff=55.15 cfs 196,466 cf

Subcatchment20S: POST - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=2.16"
Tc=25.0 min CN=81 Runoff=50.54 cfs 189,277 cf

Subcatchment21S: PRE - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=1.63"
Tc=32.4 min CN=74 Runoff=51.87 cfs 236,533 cf

Subcatchment22S: POST - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=1.78"
Tc=24.7 min CN=76 Runoff=68.27 cfs 257,364 cf

Subcatchment23S: PRE - 12 Runoff Area=11.200 ac 0.00% Impervious Runoff Depth=1.56"
Tc=30.2 min CN=73 Runoff=14.54 cfs 63,563 cf

Subcatchment24S: POST - 12 Runoff Area=11.300 ac 0.00% Impervious Runoff Depth=1.85"
Tc=20.4 min CN=77 Runoff=22.70 cfs 75,931 cf

Subcatchment25S: PRE - 13 Runoff Area=17.300 ac 0.00% Impervious Runoff Depth=2.00"
Tc=28.3 min CN=79 Runoff=30.91 cfs 125,859 cf

Subcatchment26S: POST - 13 Runoff Area=17.100 ac 0.00% Impervious Runoff Depth=2.16"
Tc=28.3 min CN=81 Runoff=33.13 cfs 134,300 cf

Subcatchment27S: PRE - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=2.00"
Tc=53.5 min CN=79 Runoff=33.63 cfs 212,432 cf

Subcatchment28S: POST - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=2.33"
Tc=44.9 min CN=83 Runoff=44.76 cfs 246,932 cf

Subcatchment29S: PRE - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=2.00"
Tc=64.5 min CN=79 Runoff=47.30 cfs 343,384 cf

Subcatchment30S: POST - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=2.08"
Tc=59.6 min CN=80 Runoff=52.35 cfs 356,903 cf

Total Runoff Area = 55,308,132 sf Runoff Volume = 9,093,777 cf Average Runoff Depth = 1.97"
100.00% Pervious = 55,308,132 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 1

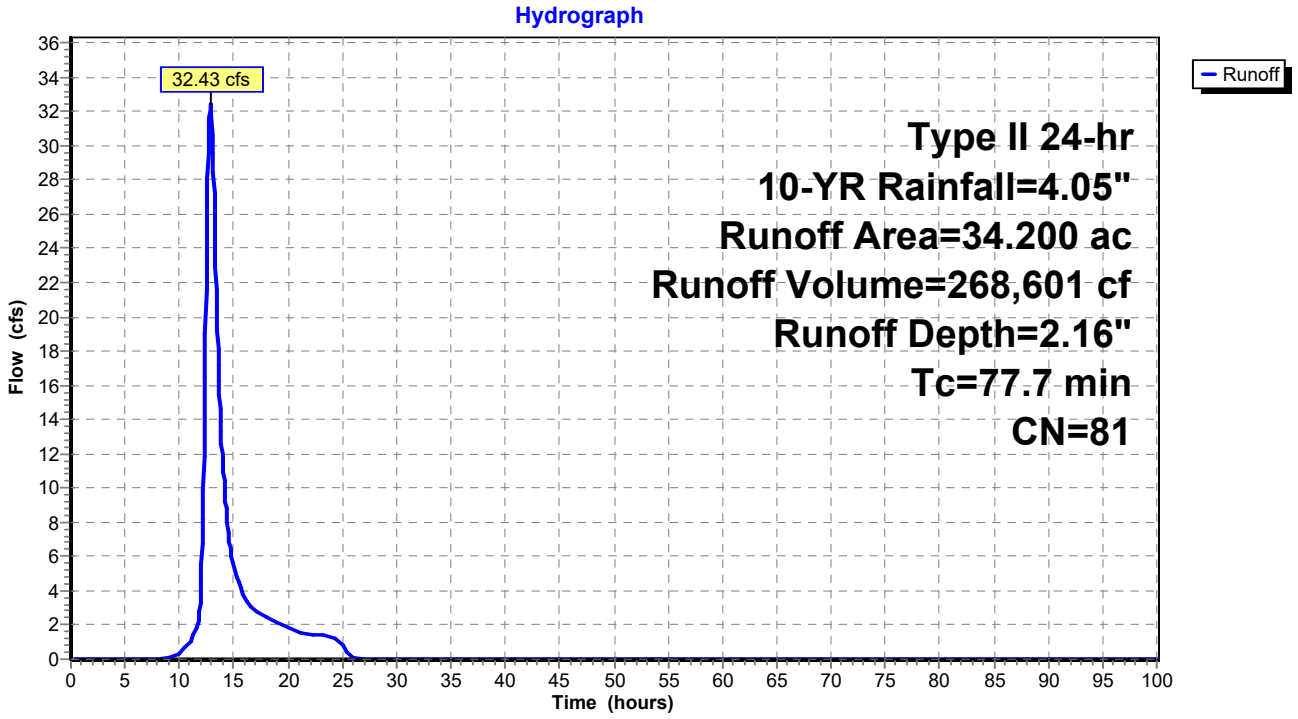
Runoff = 32.43 cfs @ 12.86 hrs, Volume= 268,601 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	34.200	81	
	34.200		100.00% Pervious Area

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

Subcatchment 1S: PRE - 1



Summary for Subcatchment 2S: POST - 1

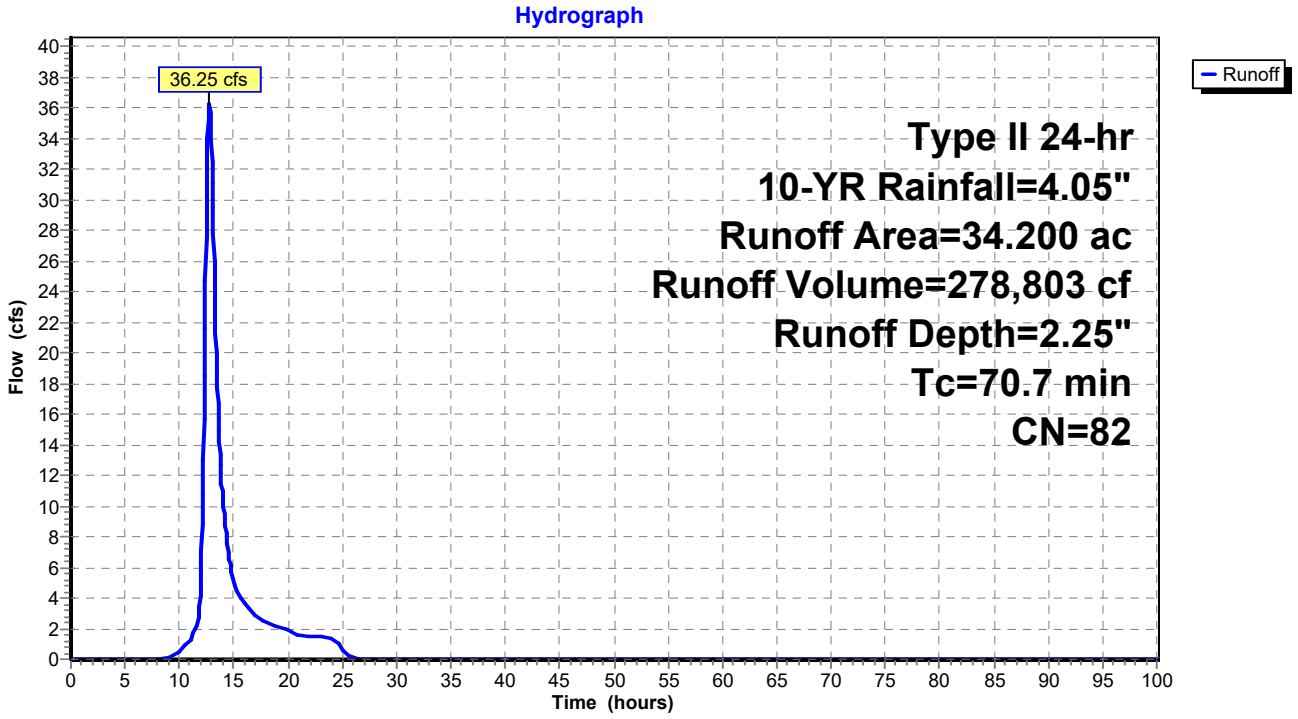
Runoff = 36.25 cfs @ 12.78 hrs, Volume= 278,803 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	34.200	82	
	34.200		100.00% Pervious Area

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

Subcatchment 2S: POST - 1



Summary for Subcatchment 3S: PRE - 2

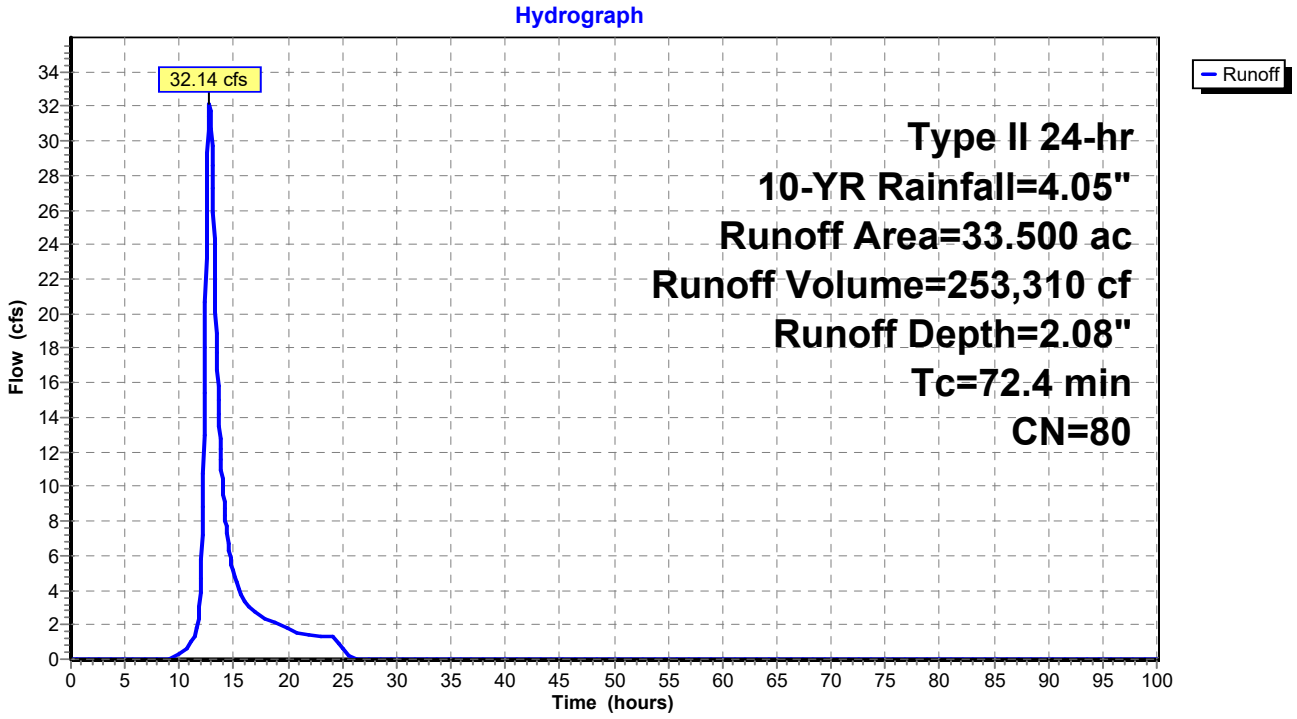
Runoff = 32.14 cfs @ 12.80 hrs, Volume= 253,310 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	33.500	80	
	33.500		100.00% Pervious Area

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

Subcatchment 3S: PRE - 2



Summary for Subcatchment 4S: POST - 2

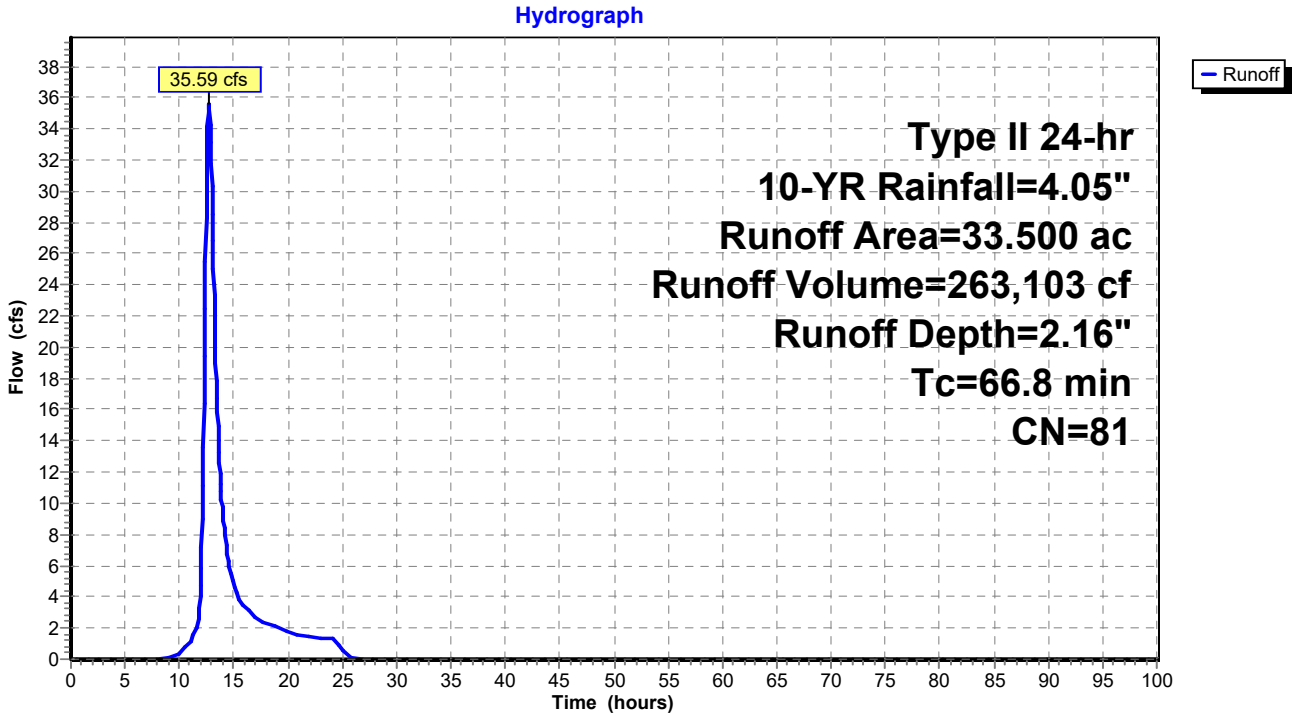
Runoff = 35.59 cfs @ 12.71 hrs, Volume= 263,103 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	33.500	81	
	33.500		100.00% Pervious Area

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

Subcatchment 4S: POST - 2



Summary for Subcatchment 5S: PRE - 3

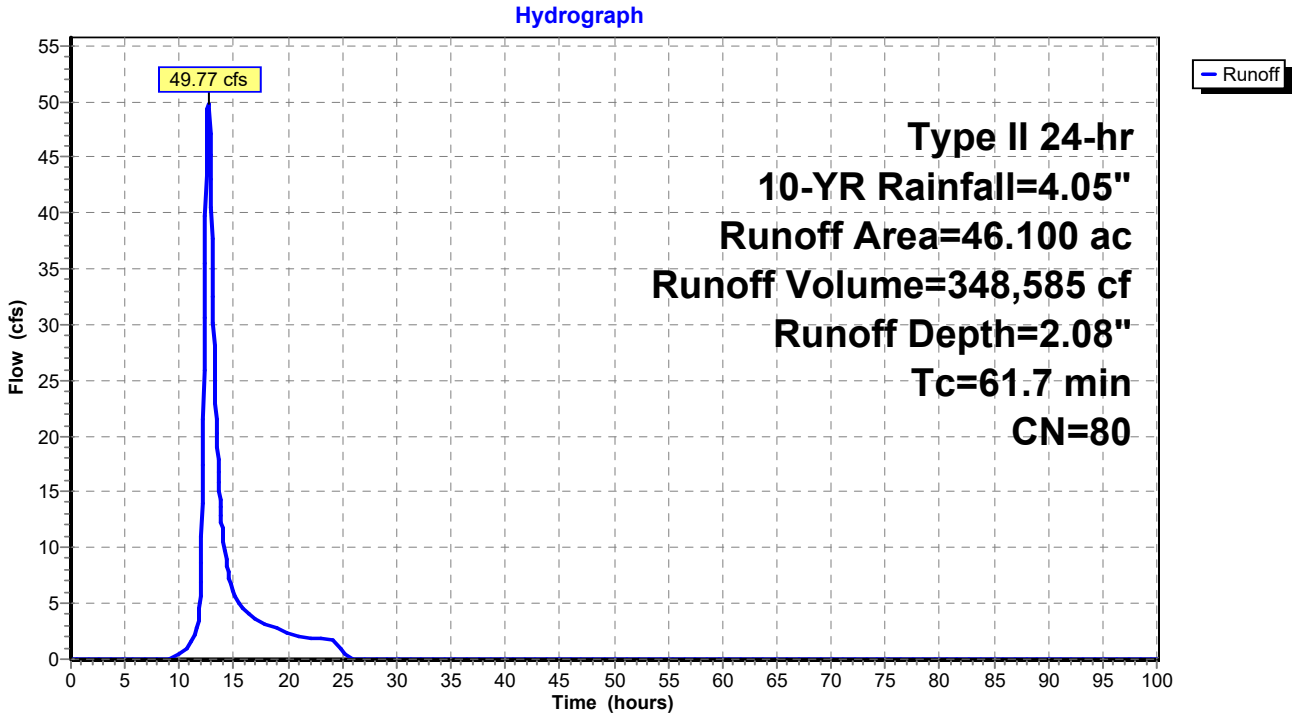
Runoff = 49.77 cfs @ 12.66 hrs, Volume= 348,585 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	46.100	80	
	46.100		100.00% Pervious Area

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

Subcatchment 5S: PRE - 3



Summary for Subcatchment 6S: POST - 3

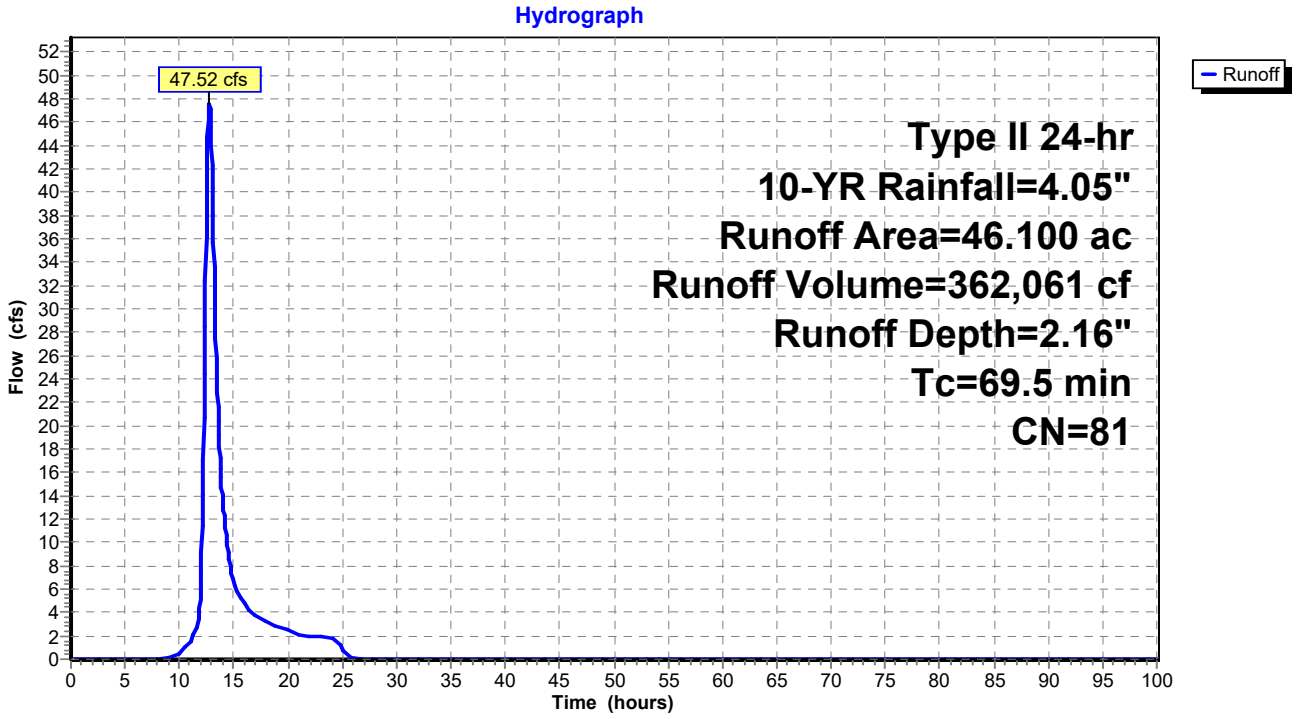
Runoff = 47.52 cfs @ 12.75 hrs, Volume= 362,061 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	46.100	81	
	46.100		100.00% Pervious Area

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

Subcatchment 6S: POST - 3



Summary for Subcatchment 7S: PRE - 4

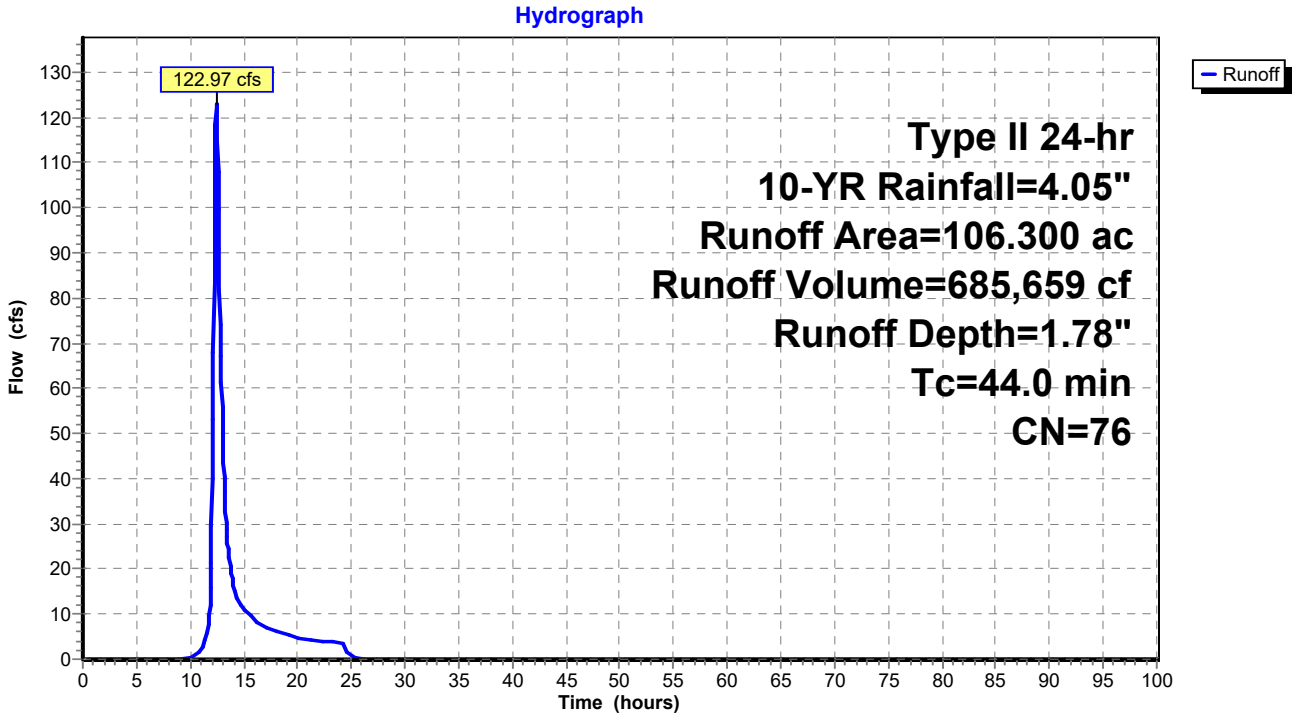
Runoff = 122.97 cfs @ 12.43 hrs, Volume= 685,659 cf, Depth= 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	106.300	76	
	106.300		100.00% Pervious Area

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

Subcatchment 7S: PRE - 4



Summary for Subcatchment 8S: POST - 4

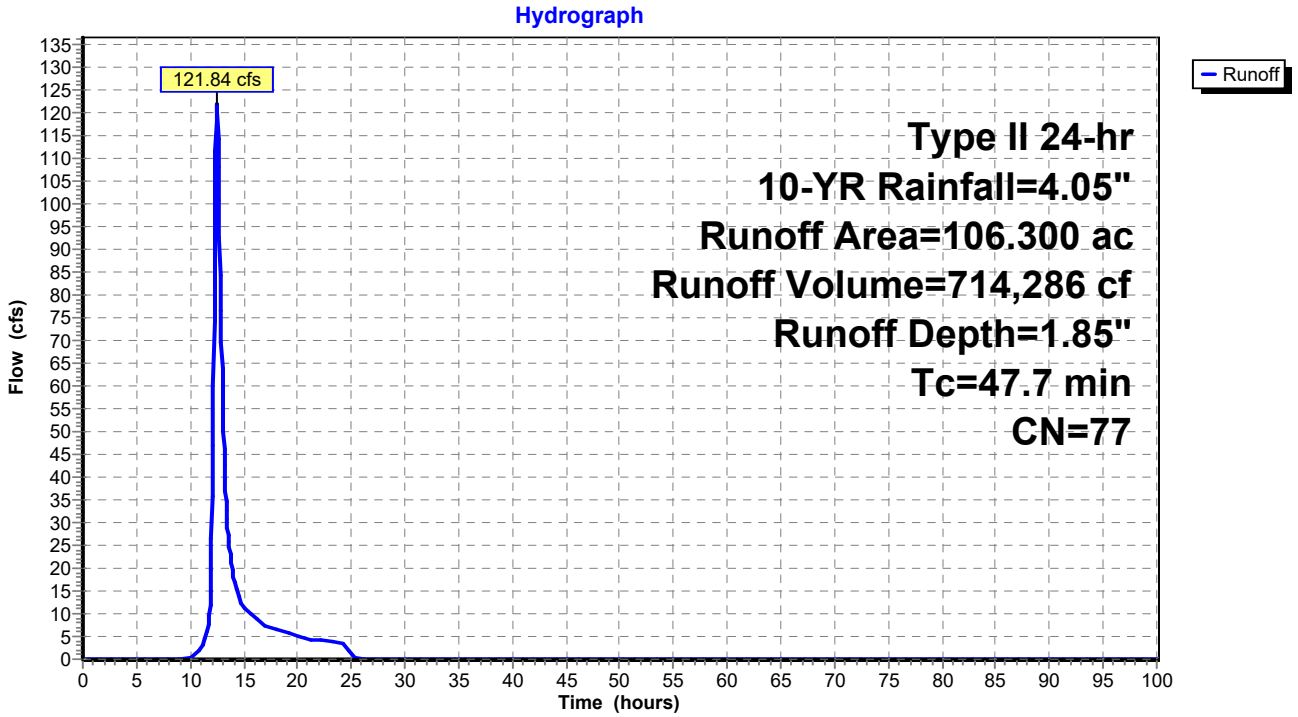
Runoff = 121.84 cfs @ 12.47 hrs, Volume= 714,286 cf, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	106.300	77	
	106.300		100.00% Pervious Area

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

Subcatchment 8S: POST - 4



Summary for Subcatchment 9S: PRE - 5

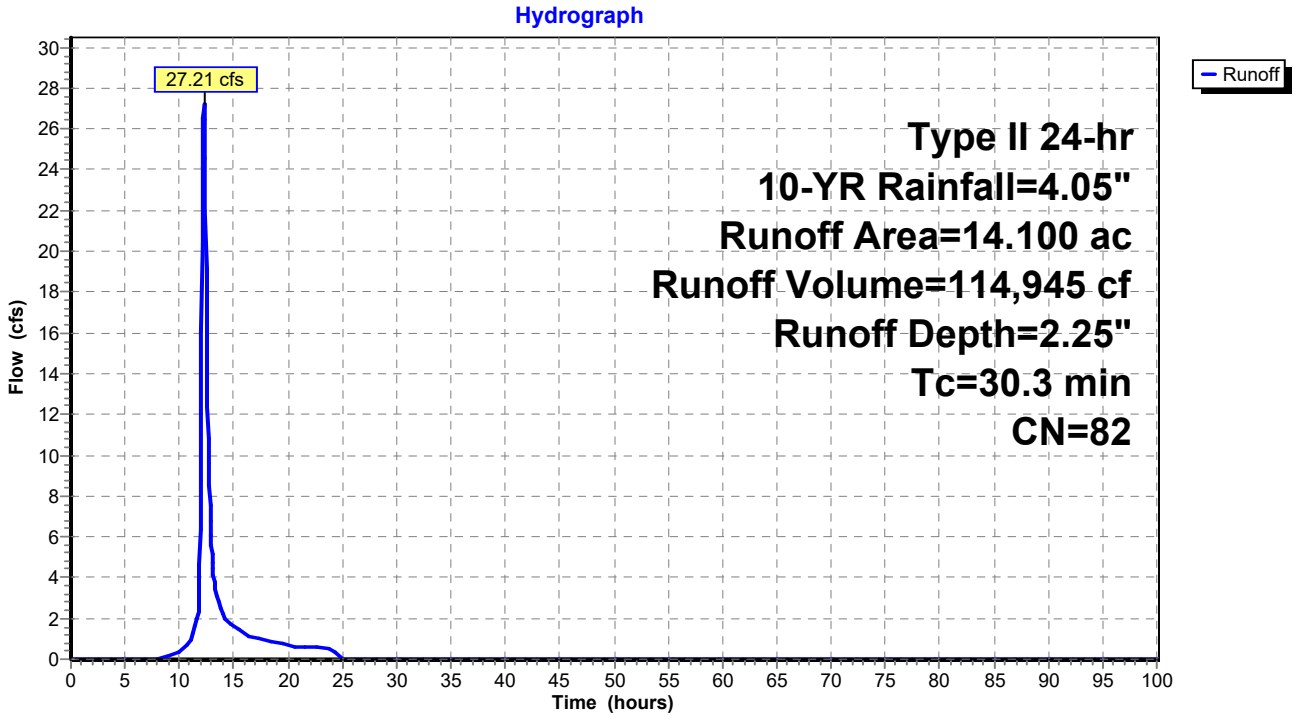
Runoff = 27.21 cfs @ 12.25 hrs, Volume= 114,945 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 9S: PRE - 5



Summary for Subcatchment 10S: POST - 5

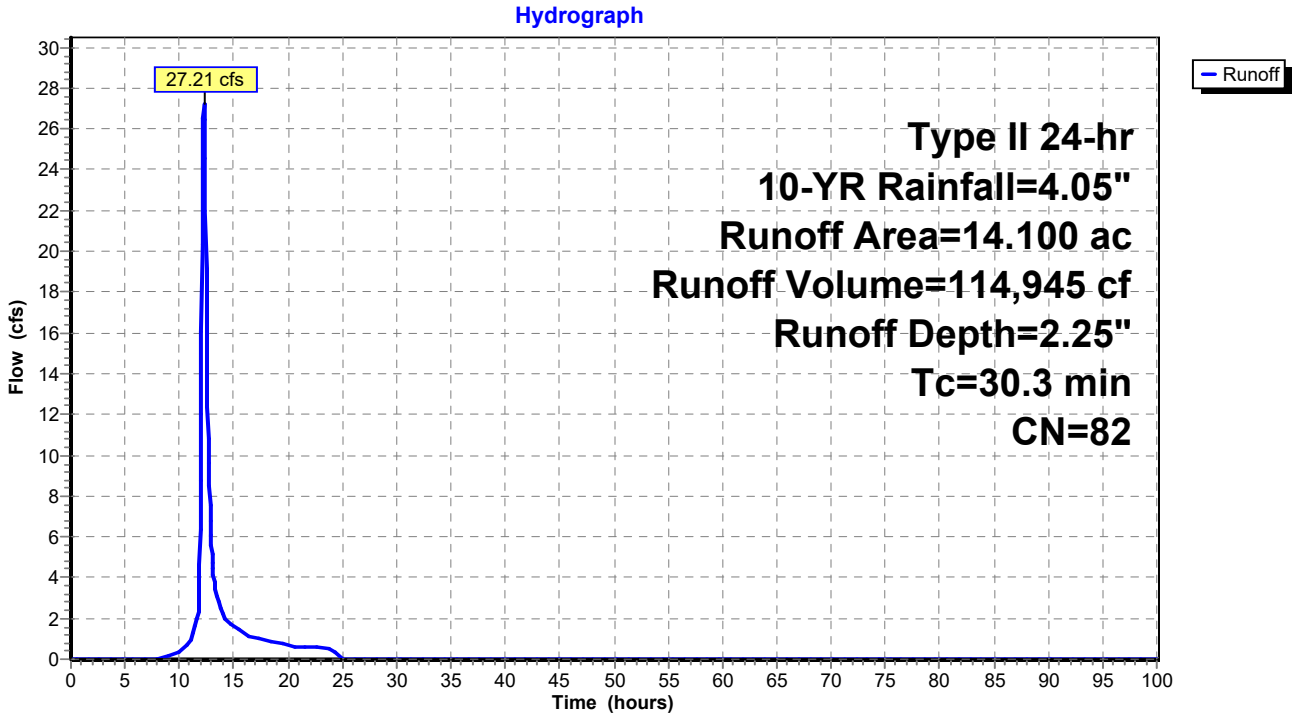
Runoff = 27.21 cfs @ 12.25 hrs, Volume= 114,945 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 10S: POST - 5



Summary for Subcatchment 11S: PRE - 6

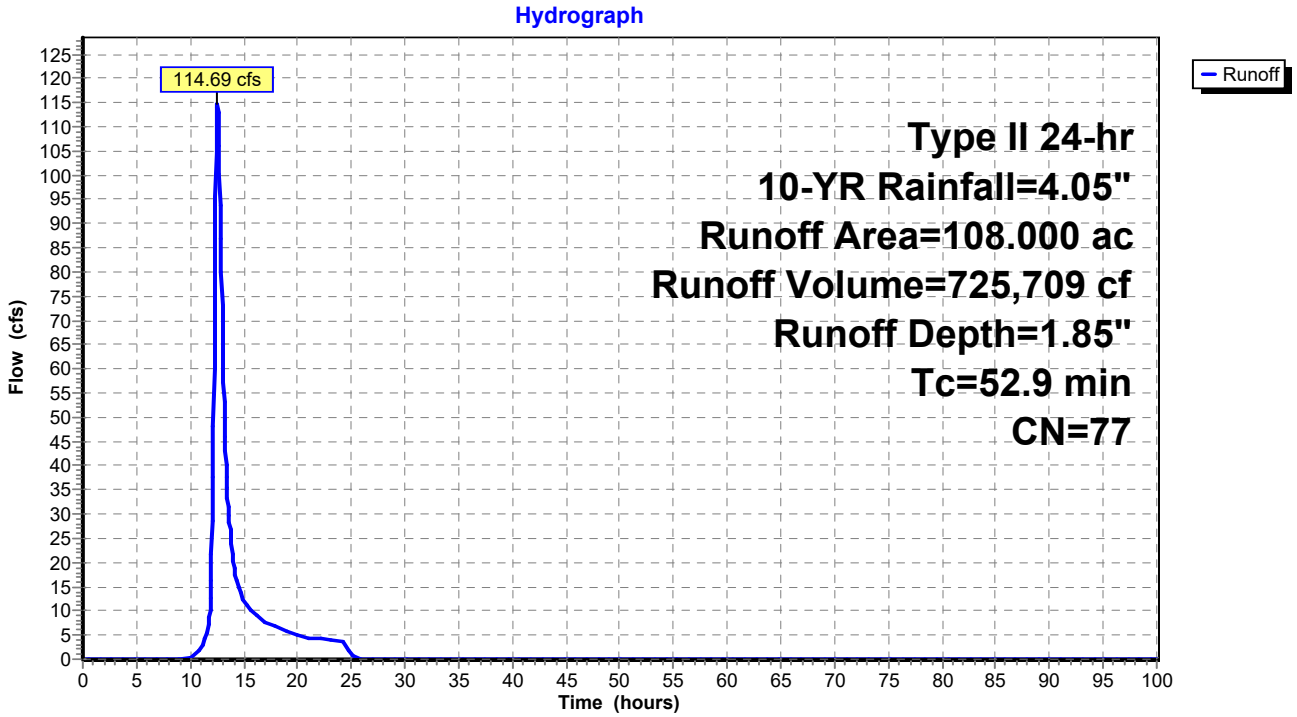
Runoff = 114.69 cfs @ 12.54 hrs, Volume= 725,709 cf, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	108.000	77	
	108.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 6



Summary for Subcatchment 12S: POST - 6

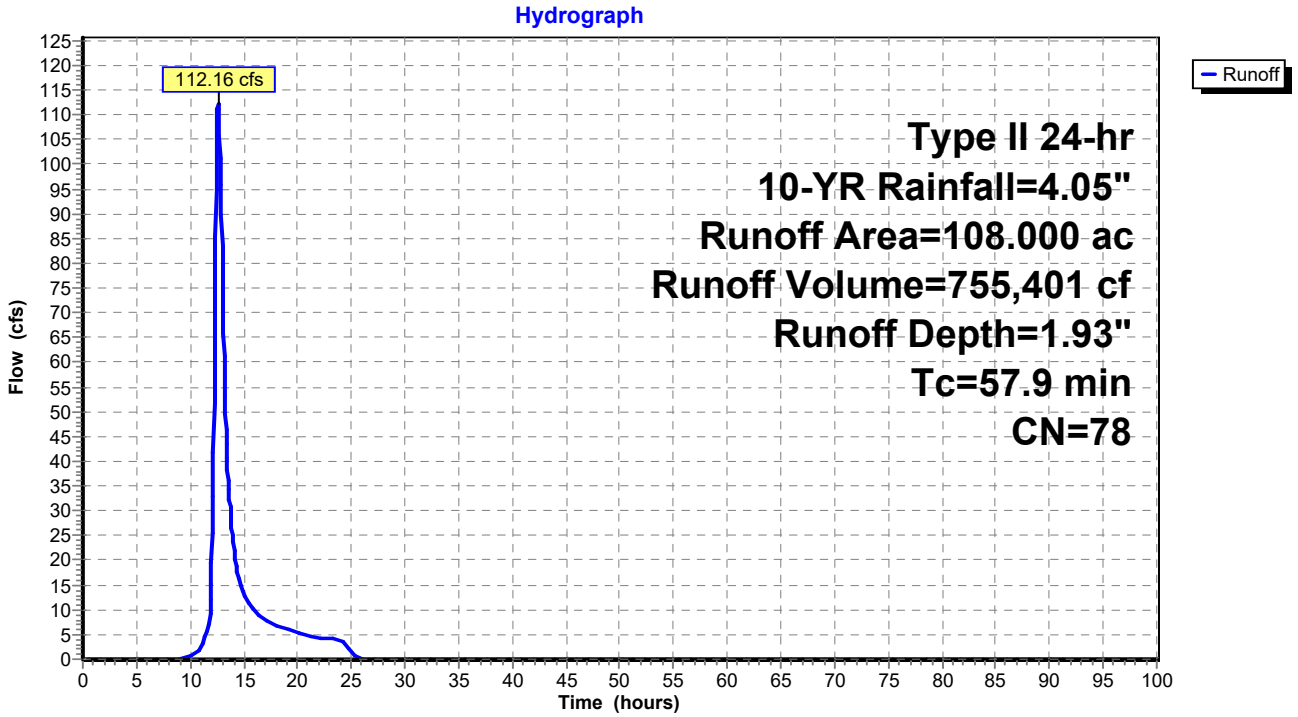
Runoff = 112.16 cfs @ 12.61 hrs, Volume= 755,401 cf, Depth= 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	108.000	78	
	108.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 6



Summary for Subcatchment 13S: PRE - 7

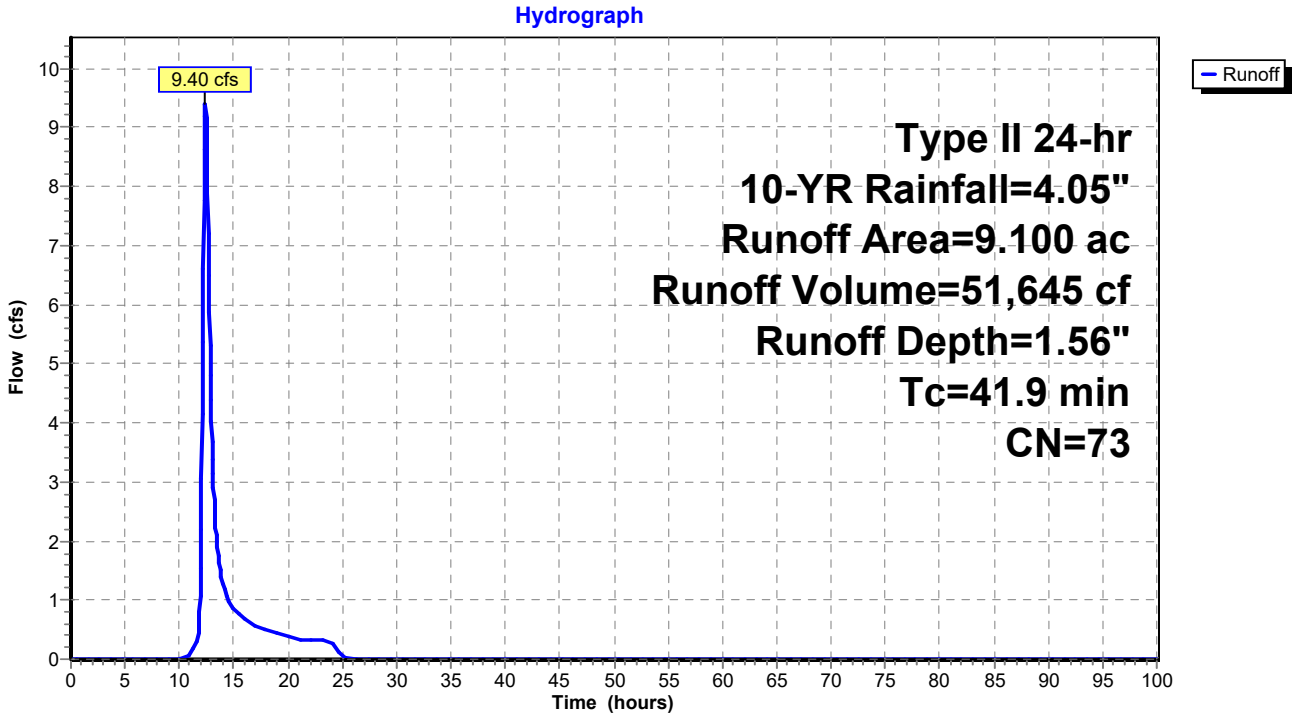
Runoff = 9.40 cfs @ 12.41 hrs, Volume= 51,645 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	9.100	73	
	9.100		100.00% Pervious Area

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

Subcatchment 13S: PRE - 7



Summary for Subcatchment 14S: POST - 7

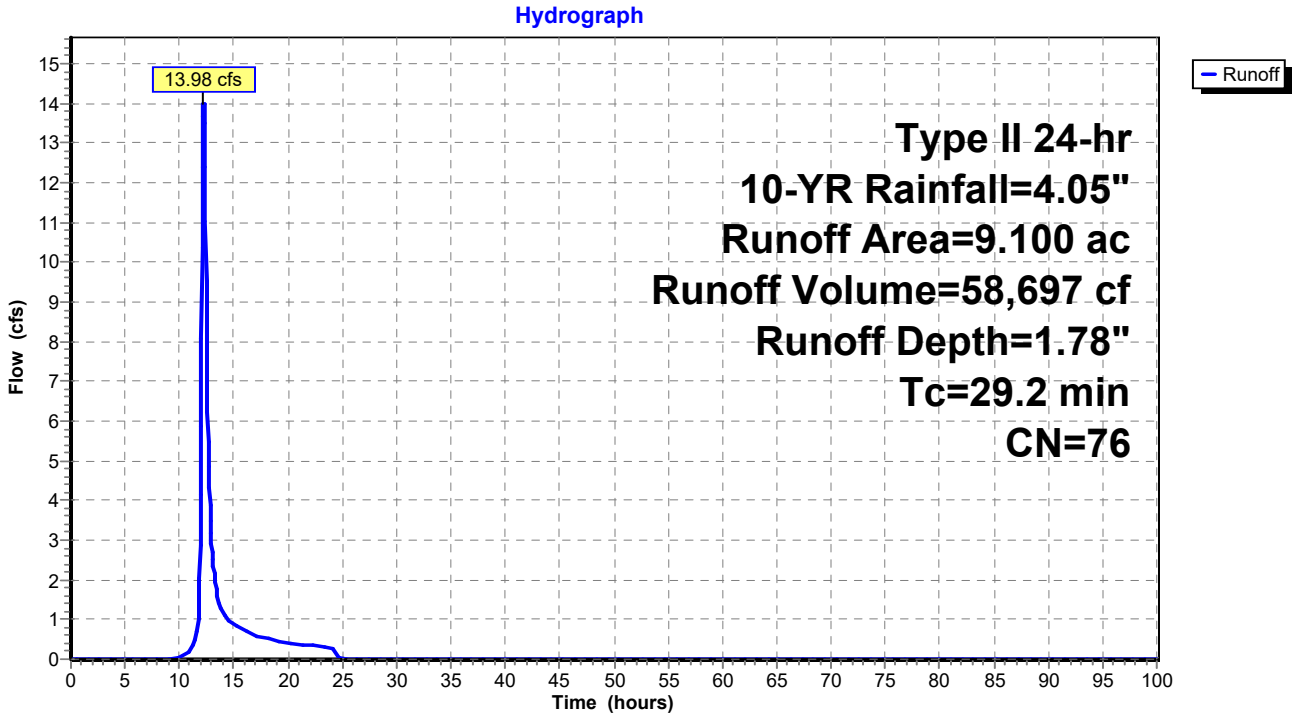
Runoff = 13.98 cfs @ 12.24 hrs, Volume= 58,697 cf, Depth= 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	9.100	76	
	9.100		100.00% Pervious Area

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

Subcatchment 14S: POST - 7



Summary for Subcatchment 15S: PRE - 8

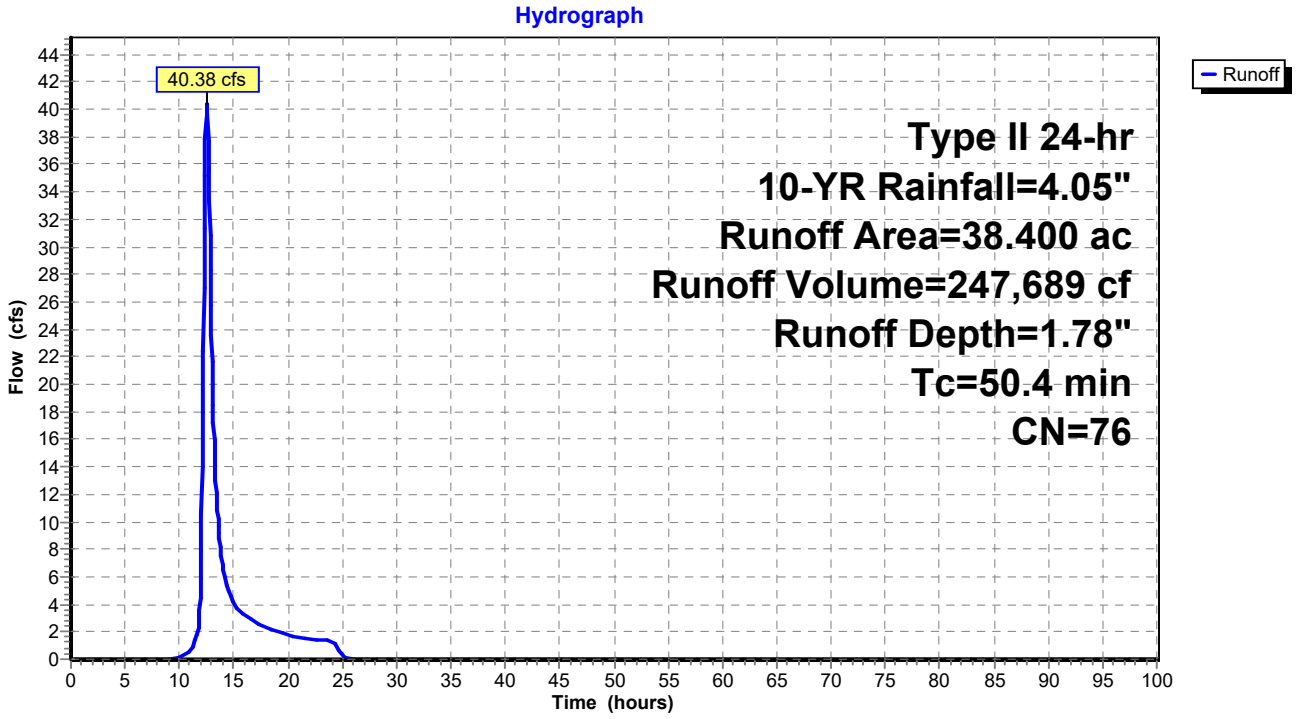
Runoff = 40.38 cfs @ 12.51 hrs, Volume= 247,689 cf, Depth= 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	38.400	76	
	38.400		100.00% Pervious Area

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

Subcatchment 15S: PRE - 8



Summary for Subcatchment 16S: POST - 8

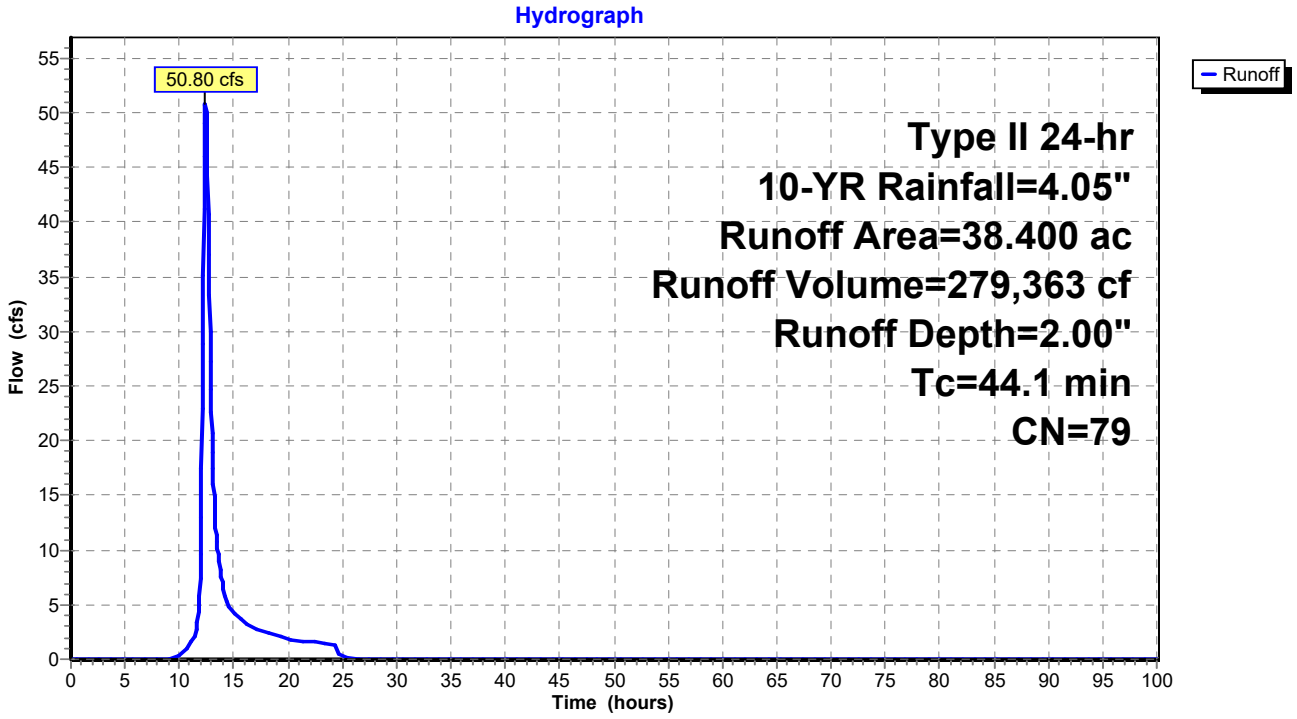
Runoff = 50.80 cfs @ 12.42 hrs, Volume= 279,363 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	38.400	79	
	38.400		100.00% Pervious Area

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

Subcatchment 16S: POST - 8



Summary for Subcatchment 17S: PRE - 9

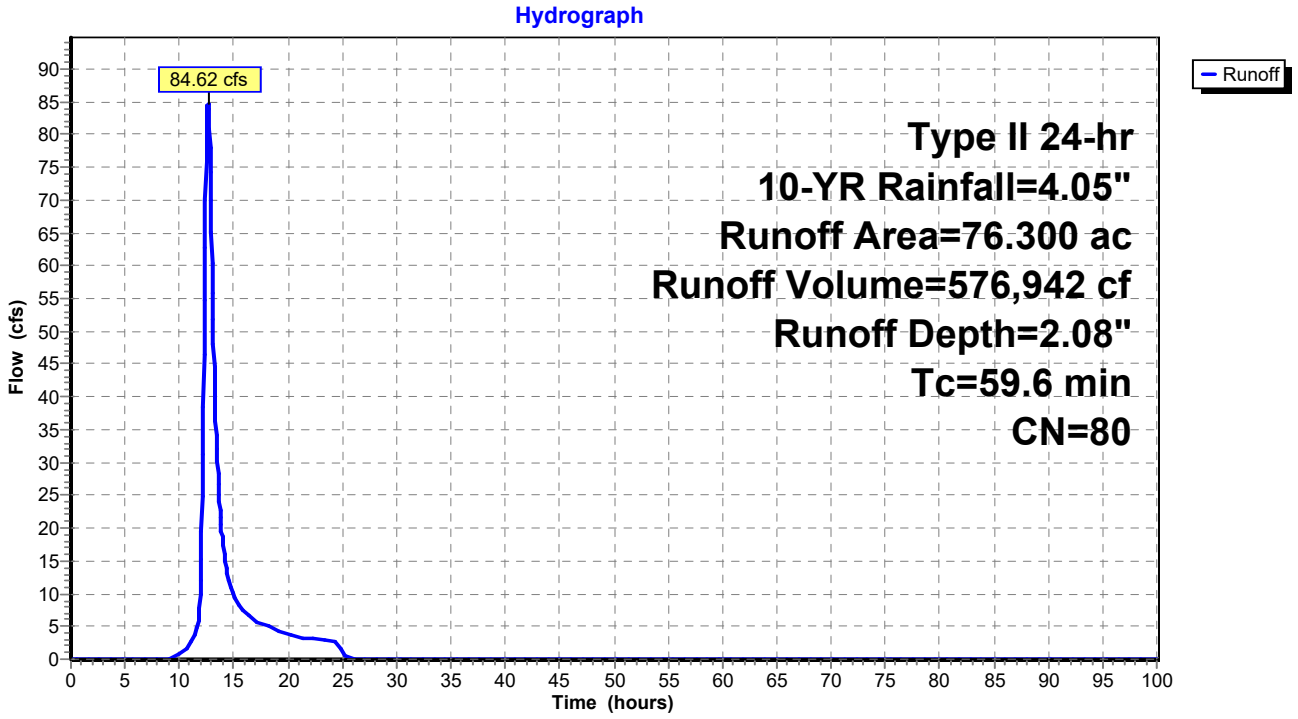
Runoff = 84.62 cfs @ 12.63 hrs, Volume= 576,942 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	76.300	80	
	76.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 9



Summary for Subcatchment 18S: POST - 9

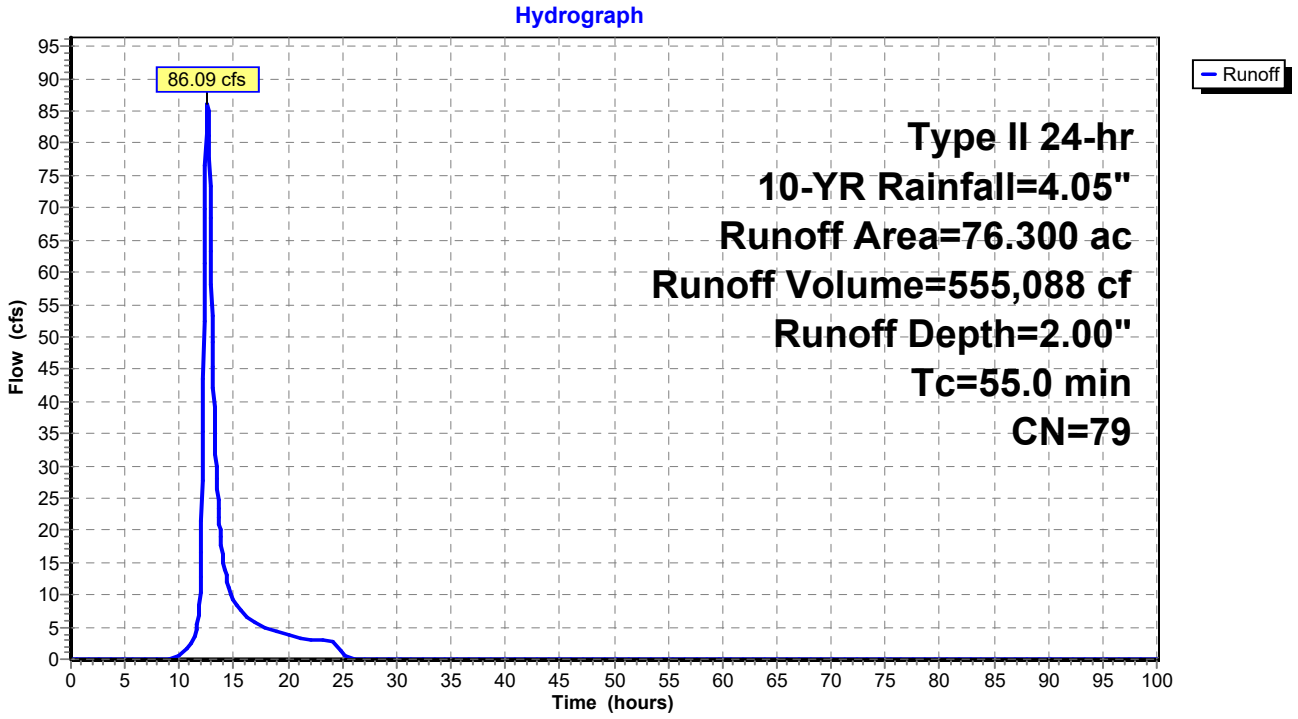
Runoff = 86.09 cfs @ 12.56 hrs, Volume= 555,088 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	76.300	79	
	76.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 9



Summary for Subcatchment 19S: PRE - 10

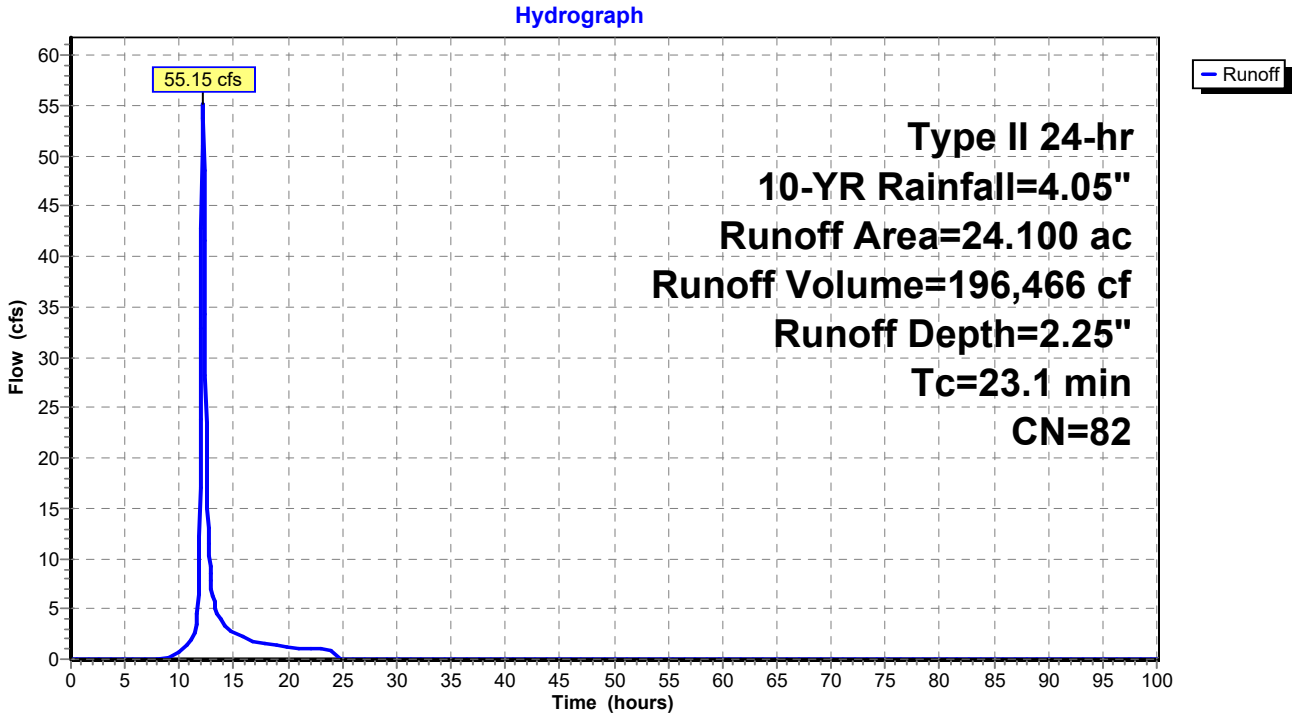
Runoff = 55.15 cfs @ 12.16 hrs, Volume= 196,466 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	24.100	82	
	24.100		100.00% Pervious Area

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

Subcatchment 19S: PRE - 10



Summary for Subcatchment 20S: POST - 10

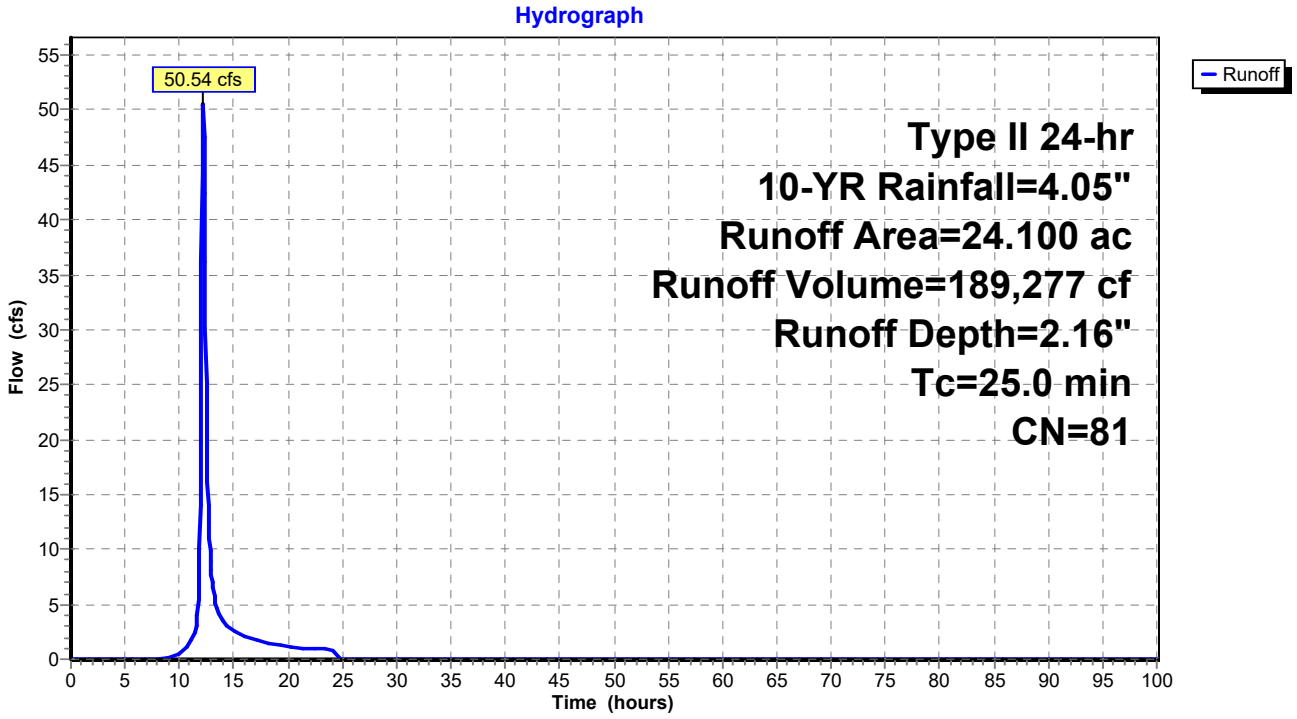
Runoff = 50.54 cfs @ 12.19 hrs, Volume= 189,277 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	24.100	81	
	24.100		100.00% Pervious Area

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

Subcatchment 20S: POST - 10



Summary for Subcatchment 21S: PRE - 11

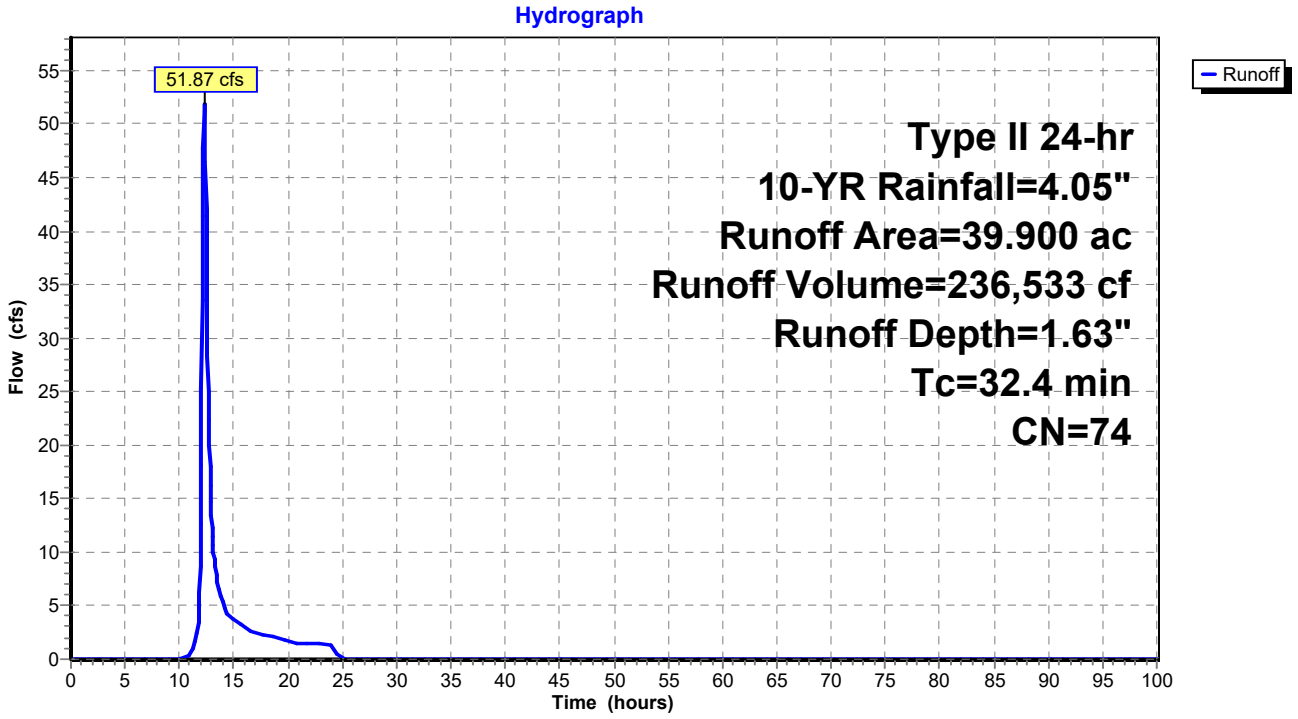
Runoff = 51.87 cfs @ 12.29 hrs, Volume= 236,533 cf, Depth= 1.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	39.900	74	
	39.900		100.00% Pervious Area

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

Subcatchment 21S: PRE - 11



Summary for Subcatchment 22S: POST - 11

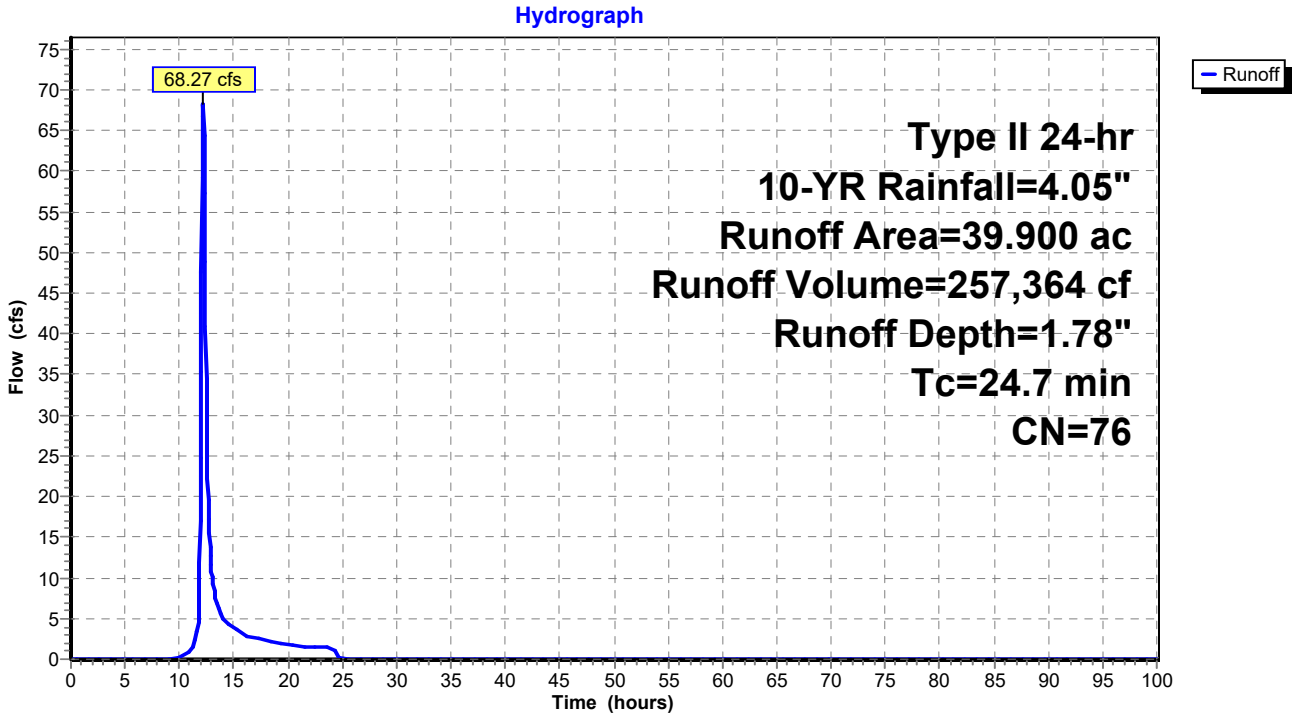
Runoff = 68.27 cfs @ 12.19 hrs, Volume= 257,364 cf, Depth= 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	39.900	76	
	39.900		100.00% Pervious Area

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

Subcatchment 22S: POST - 11



Summary for Subcatchment 23S: PRE - 12

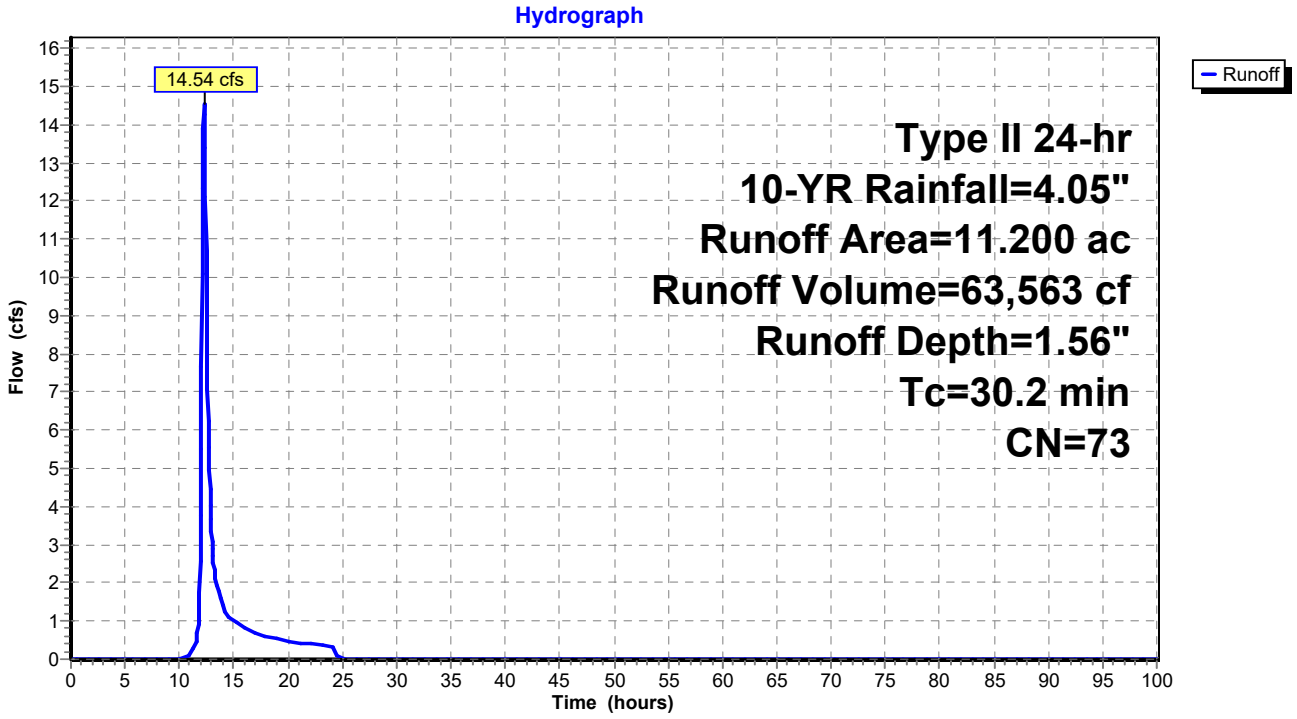
Runoff = 14.54 cfs @ 12.26 hrs, Volume= 63,563 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	11.200	73	
	11.200		100.00% Pervious Area

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

Subcatchment 23S: PRE - 12



Summary for Subcatchment 24S: POST - 12

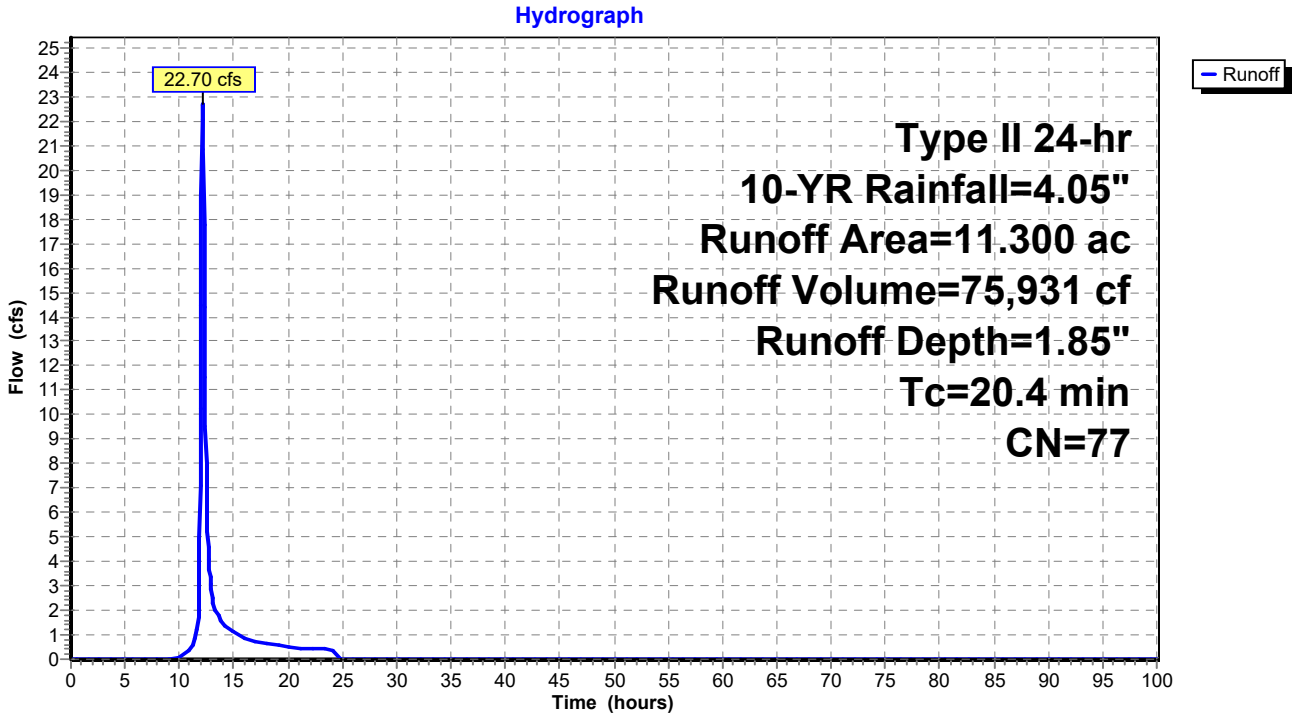
Runoff = 22.70 cfs @ 12.14 hrs, Volume= 75,931 cf, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	11.300	77	
	11.300		100.00% Pervious Area

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

Subcatchment 24S: POST - 12



Summary for Subcatchment 25S: PRE - 13

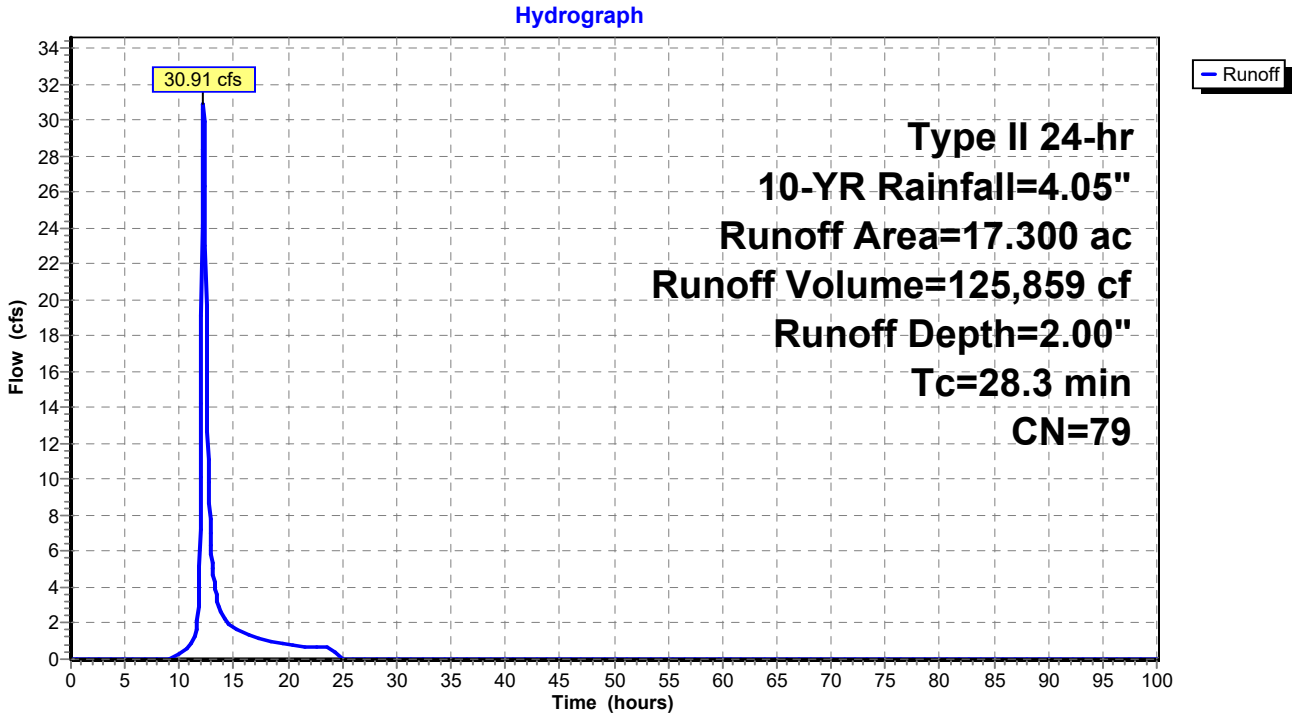
Runoff = 30.91 cfs @ 12.23 hrs, Volume= 125,859 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	17.300	79	
	17.300		100.00% Pervious Area

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

Subcatchment 25S: PRE - 13



Summary for Subcatchment 26S: POST - 13

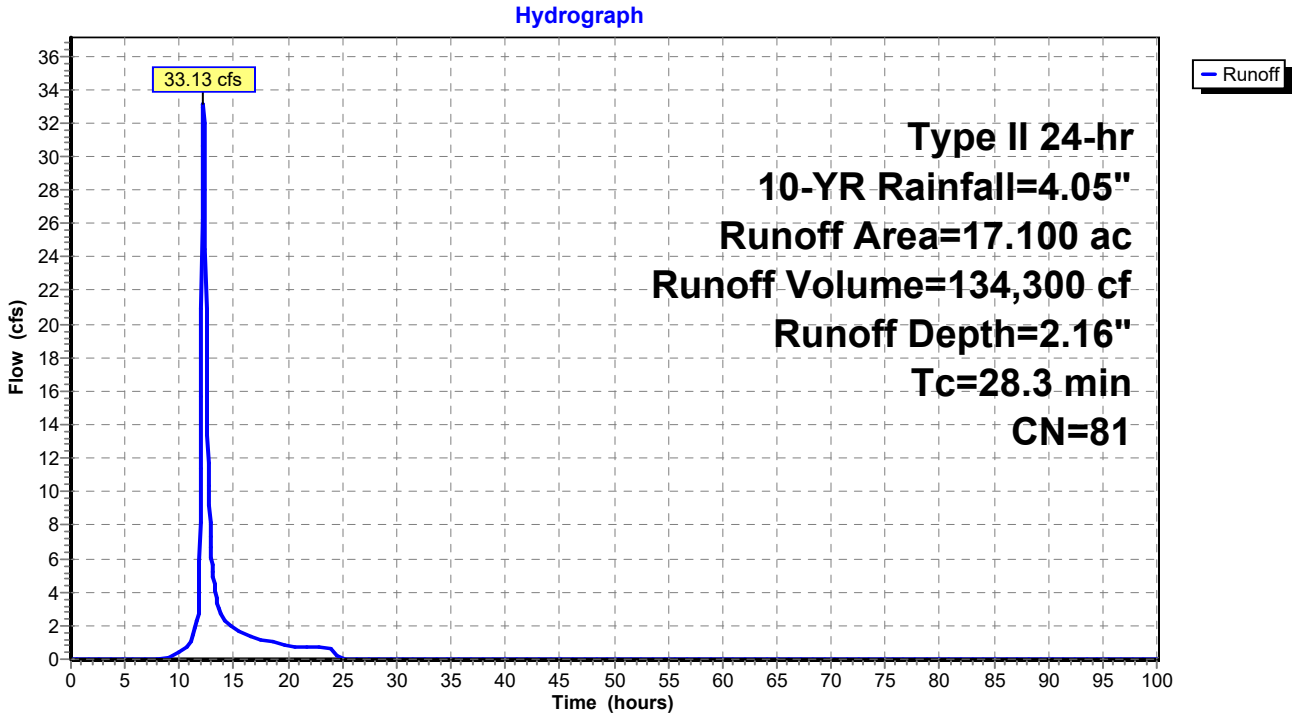
Runoff = 33.13 cfs @ 12.23 hrs, Volume= 134,300 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	17.100	81	
	17.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 13



Summary for Subcatchment 27S: PRE - 14

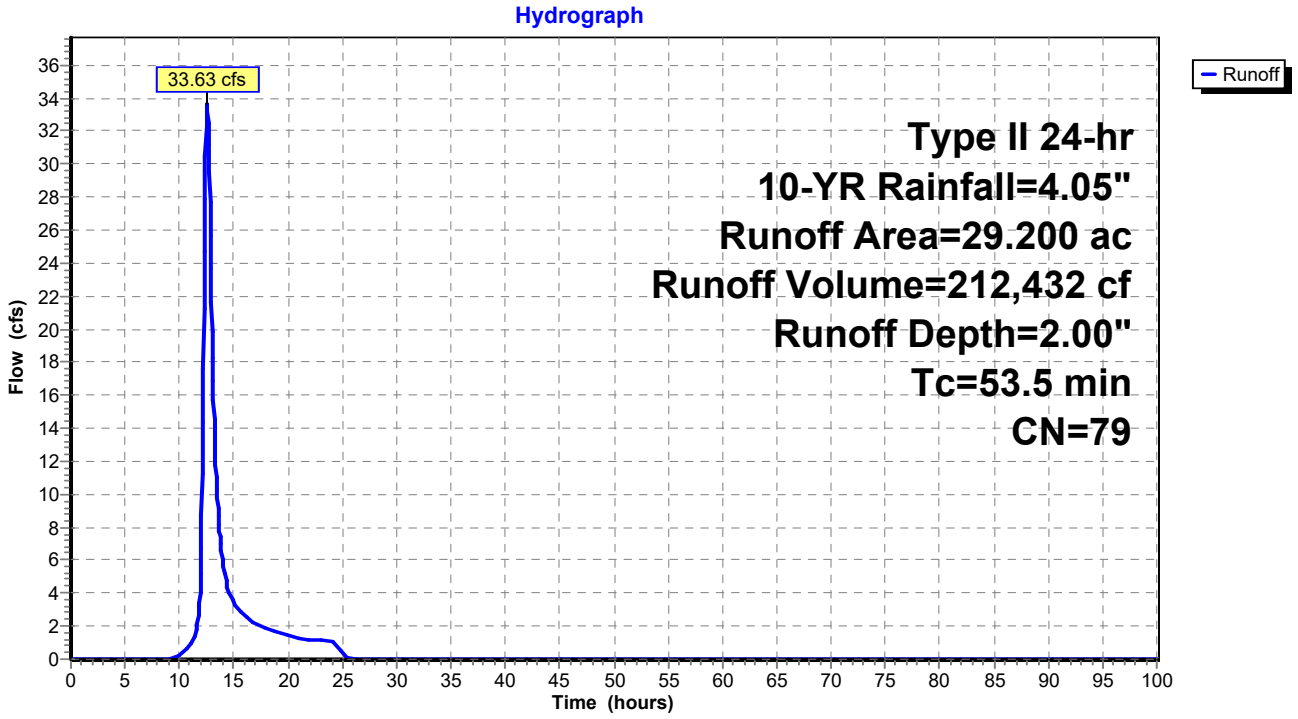
Runoff = 33.63 cfs @ 12.55 hrs, Volume= 212,432 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	29.200	79	
	29.200		100.00% Pervious Area

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

Subcatchment 27S: PRE - 14



Summary for Subcatchment 28S: POST - 14

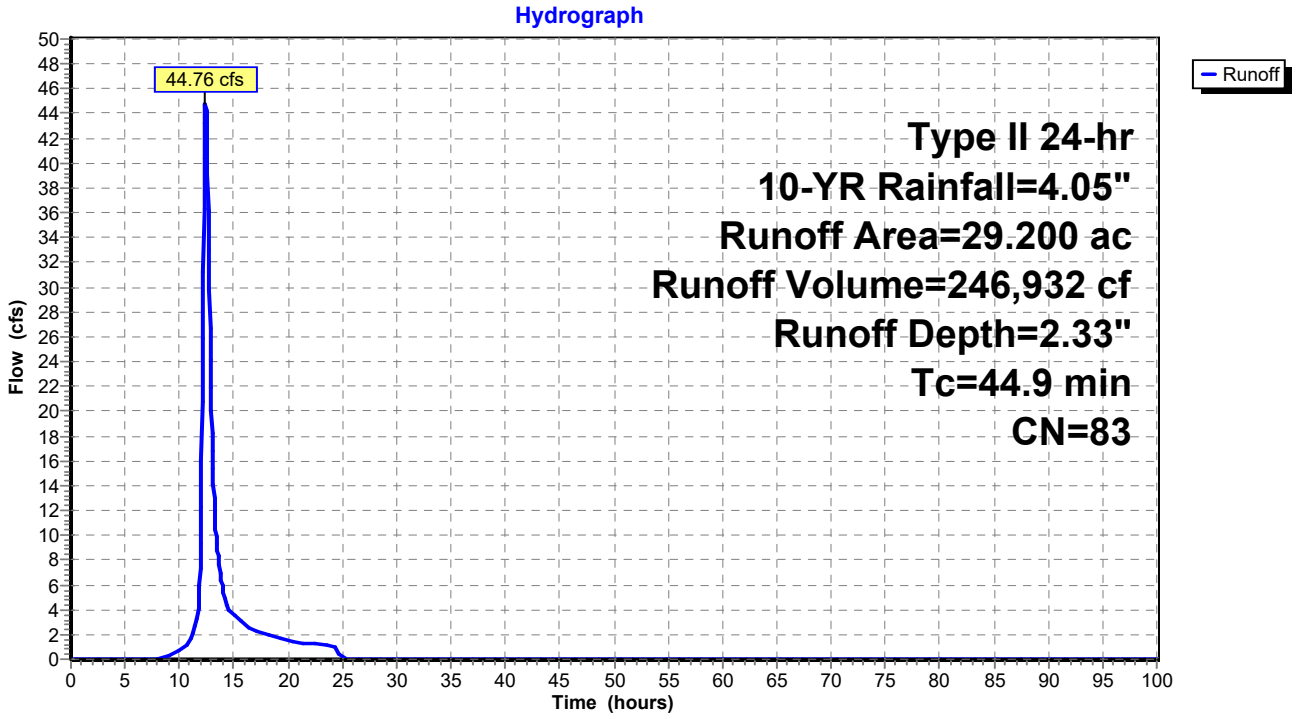
Runoff = 44.76 cfs @ 12.43 hrs, Volume= 246,932 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	29.200	83	
	29.200		100.00% Pervious Area

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

Subcatchment 28S: POST - 14



Summary for Subcatchment 29S: PRE - 15

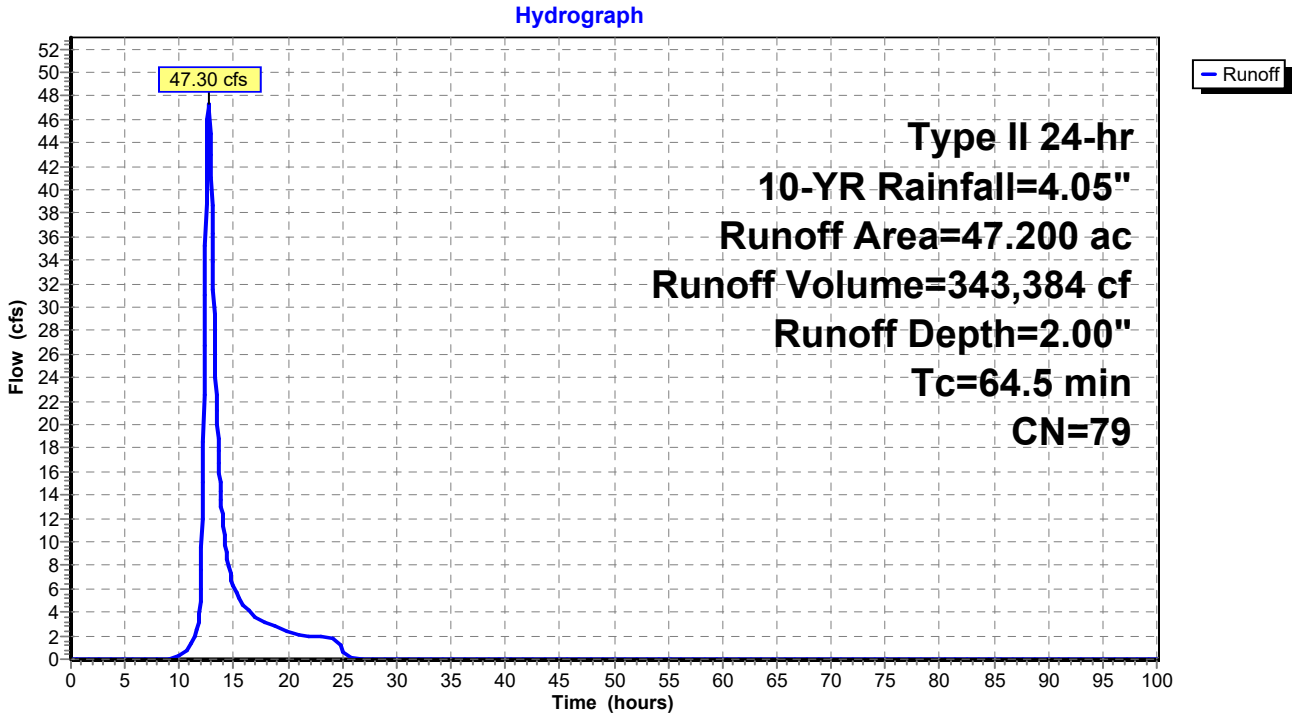
Runoff = 47.30 cfs @ 12.70 hrs, Volume= 343,384 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	47.200	79	
	47.200		100.00% Pervious Area

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

Subcatchment 29S: PRE - 15



Summary for Subcatchment 30S: POST - 15

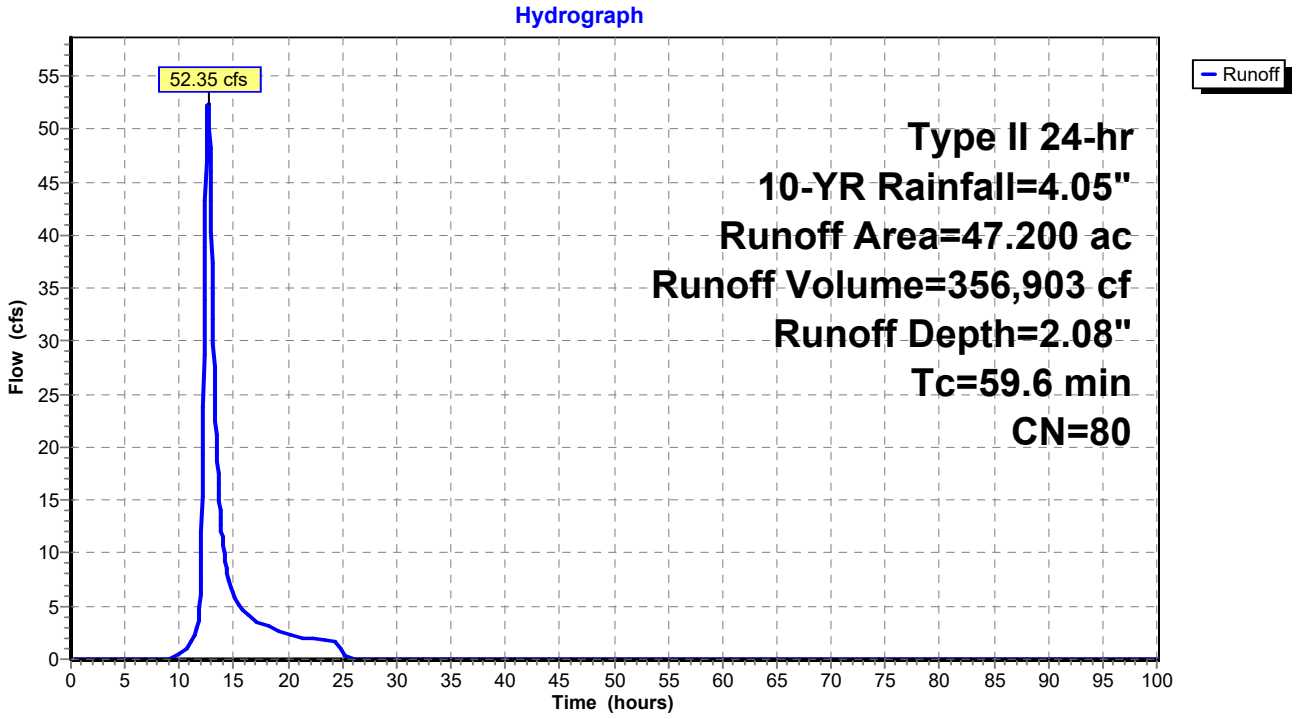
Runoff = 52.35 cfs @ 12.63 hrs, Volume= 356,903 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	47.200	80	
	47.200		100.00% Pervious Area

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

Subcatchment 30S: POST - 15



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=4.07"
Tc=77.7 min CN=81 Runoff=61.42 cfs 504,833 cf

Subcatchment2S: POST - 1 Runoff Area=34.200 ac 0.00% Impervious Runoff Depth=4.17"
Tc=70.7 min CN=82 Runoff=67.47 cfs 517,875 cf

Subcatchment3S: PRE - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=3.96"
Tc=72.4 min CN=80 Runoff=61.78 cfs 481,823 cf

Subcatchment4S: POST - 2 Runoff Area=33.500 ac 0.00% Impervious Runoff Depth=4.07"
Tc=66.8 min CN=81 Runoff=67.35 cfs 494,500 cf

Subcatchment5S: PRE - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=3.96"
Tc=61.7 min CN=80 Runoff=95.59 cfs 663,046 cf

Subcatchment6S: POST - 3 Runoff Area=46.100 ac 0.00% Impervious Runoff Depth=4.07"
Tc=69.5 min CN=81 Runoff=89.94 cfs 680,491 cf

Subcatchment7S: PRE - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=3.55"
Tc=44.0 min CN=76 Runoff=251.75 cfs 1,371,113 cf

Subcatchment8S: POST - 4 Runoff Area=106.300 ac 0.00% Impervious Runoff Depth=3.65"
Tc=47.7 min CN=77 Runoff=245.52 cfs 1,410,085 cf

Subcatchment9S: PRE - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=4.17"
Tc=30.3 min CN=82 Runoff=50.40 cfs 213,510 cf

Subcatchment10S: POST - 5 Runoff Area=14.100 ac 0.00% Impervious Runoff Depth=4.17"
Tc=30.3 min CN=82 Runoff=50.40 cfs 213,510 cf

Subcatchment11S: PRE - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=3.65"
Tc=52.9 min CN=77 Runoff=231.25 cfs 1,432,636 cf

Subcatchment12S: POST - 6 Runoff Area=108.000 ac 0.00% Impervious Runoff Depth=3.76"
Tc=57.9 min CN=78 Runoff=222.50 cfs 1,472,552 cf

Subcatchment13S: PRE - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=3.26"
Tc=41.9 min CN=73 Runoff=20.34 cfs 107,531 cf

Subcatchment14S: POST - 7 Runoff Area=9.100 ac 0.00% Impervious Runoff Depth=3.55"
Tc=29.2 min CN=76 Runoff=28.46 cfs 117,377 cf

Subcatchment15S: PRE - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=3.55"
Tc=50.4 min CN=76 Runoff=82.82 cfs 495,303 cf

Subcatchment16S: POST - 8 Runoff Area=38.400 ac 0.00% Impervious Runoff Depth=3.86"
Tc=44.1 min CN=79 Runoff=98.97 cfs 537,880 cf

Subcatchment17S: PRE - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=3.96"
Tc=59.6 min CN=80 Runoff=162.28 cfs 1,097,405 cf

Subcatchment18S: POST - 9 Runoff Area=76.300 ac 0.00% Impervious Runoff Depth=3.86"
Tc=55.0 min CN=79 Runoff=167.97 cfs 1,068,756 cf

Subcatchment19S: PRE - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=4.17"
Tc=23.1 min CN=82 Runoff=101.77 cfs 364,935 cf

Subcatchment20S: POST - 10 Runoff Area=24.100 ac 0.00% Impervious Runoff Depth=4.07"
Tc=25.0 min CN=81 Runoff=94.73 cfs 355,745 cf

Subcatchment21S: PRE - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=3.35"
Tc=32.4 min CN=74 Runoff=109.86 cfs 485,751 cf

Subcatchment22S: POST - 11 Runoff Area=39.900 ac 0.00% Impervious Runoff Depth=3.55"
Tc=24.7 min CN=76 Runoff=138.58 cfs 514,651 cf

Subcatchment23S: PRE - 12 Runoff Area=11.200 ac 0.00% Impervious Runoff Depth=3.26"
Tc=30.2 min CN=73 Runoff=31.31 cfs 132,346 cf

Subcatchment24S: POST - 12 Runoff Area=11.300 ac 0.00% Impervious Runoff Depth=3.65"
Tc=20.4 min CN=77 Runoff=45.13 cfs 149,896 cf

Subcatchment25S: PRE - 13 Runoff Area=17.300 ac 0.00% Impervious Runoff Depth=3.86"
Tc=28.3 min CN=79 Runoff=59.94 cfs 242,326 cf

Subcatchment26S: POST - 13 Runoff Area=17.100 ac 0.00% Impervious Runoff Depth=4.07"
Tc=28.3 min CN=81 Runoff=62.30 cfs 252,416 cf

Subcatchment27S: PRE - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=3.86"
Tc=53.5 min CN=79 Runoff=65.57 cfs 409,013 cf

Subcatchment28S: POST - 14 Runoff Area=29.200 ac 0.00% Impervious Runoff Depth=4.28"
Tc=44.9 min CN=83 Runoff=82.10 cfs 453,383 cf

Subcatchment29S: PRE - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=3.86"
Tc=64.5 min CN=79 Runoff=92.32 cfs 661,144 cf

Subcatchment30S: POST - 15 Runoff Area=47.200 ac 0.00% Impervious Runoff Depth=3.96"
Tc=59.6 min CN=80 Runoff=100.39 cfs 678,867 cf

Total Runoff Area = 55,308,132 sf Runoff Volume = 17,580,693 cf Average Runoff Depth = 3.81"
100.00% Pervious = 55,308,132 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 1

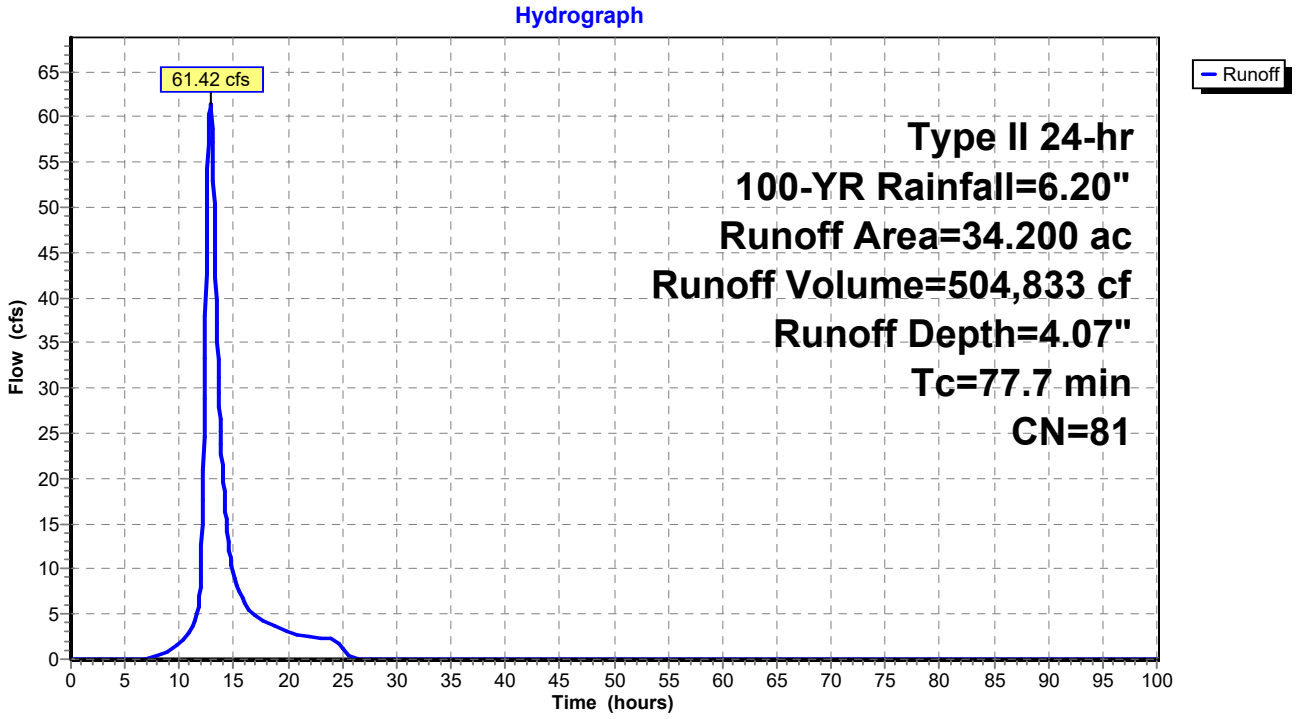
Runoff = 61.42 cfs @ 12.85 hrs, Volume= 504,833 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	34.200	81	
	34.200		100.00% Pervious Area

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

Subcatchment 1S: PRE - 1



Summary for Subcatchment 2S: POST - 1

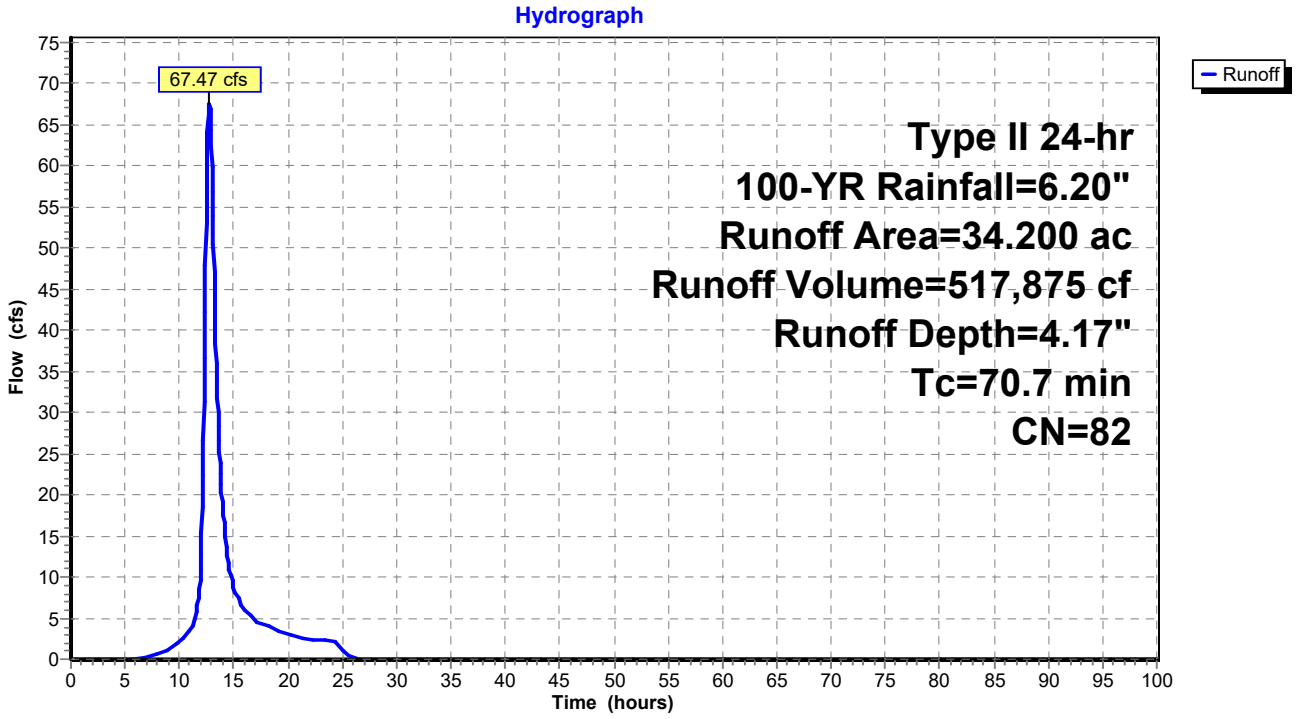
Runoff = 67.47 cfs @ 12.76 hrs, Volume= 517,875 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	34.200	82	
	34.200		100.00% Pervious Area

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

Subcatchment 2S: POST - 1



Summary for Subcatchment 3S: PRE - 2

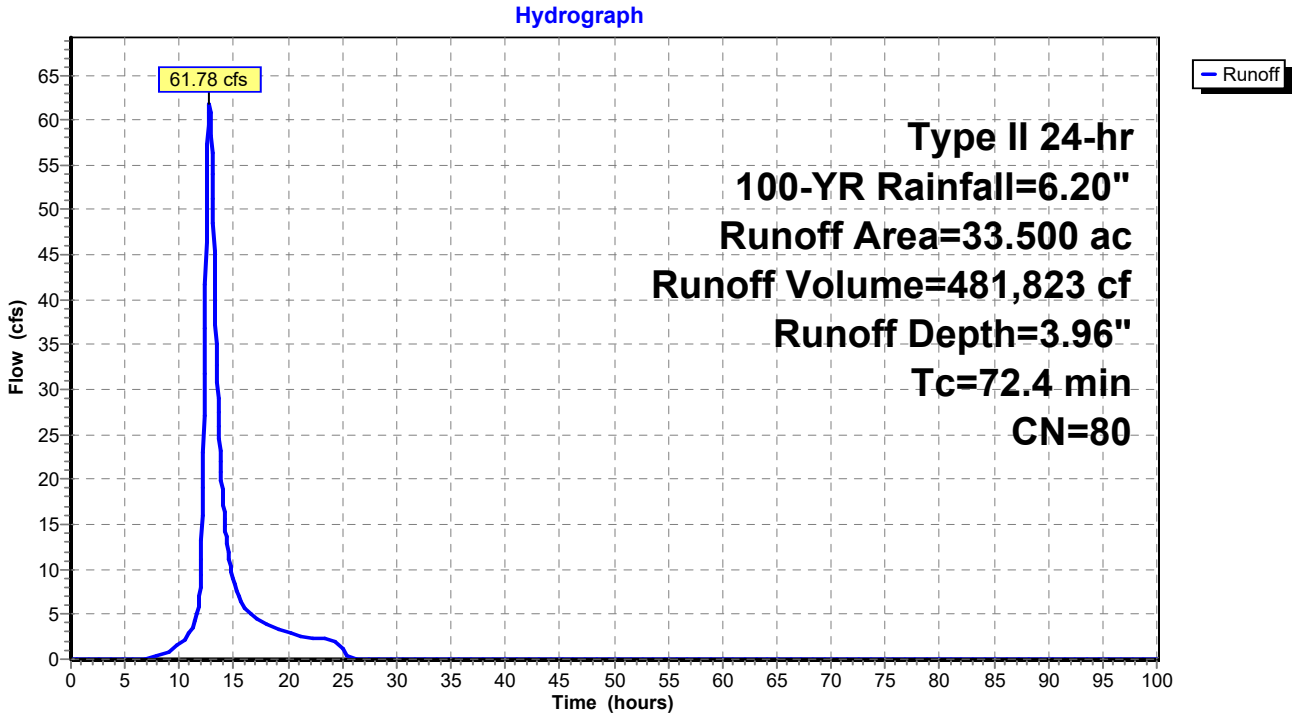
Runoff = 61.78 cfs @ 12.78 hrs, Volume= 481,823 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	33.500	80	
	33.500		100.00% Pervious Area

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

Subcatchment 3S: PRE - 2



Summary for Subcatchment 4S: POST - 2

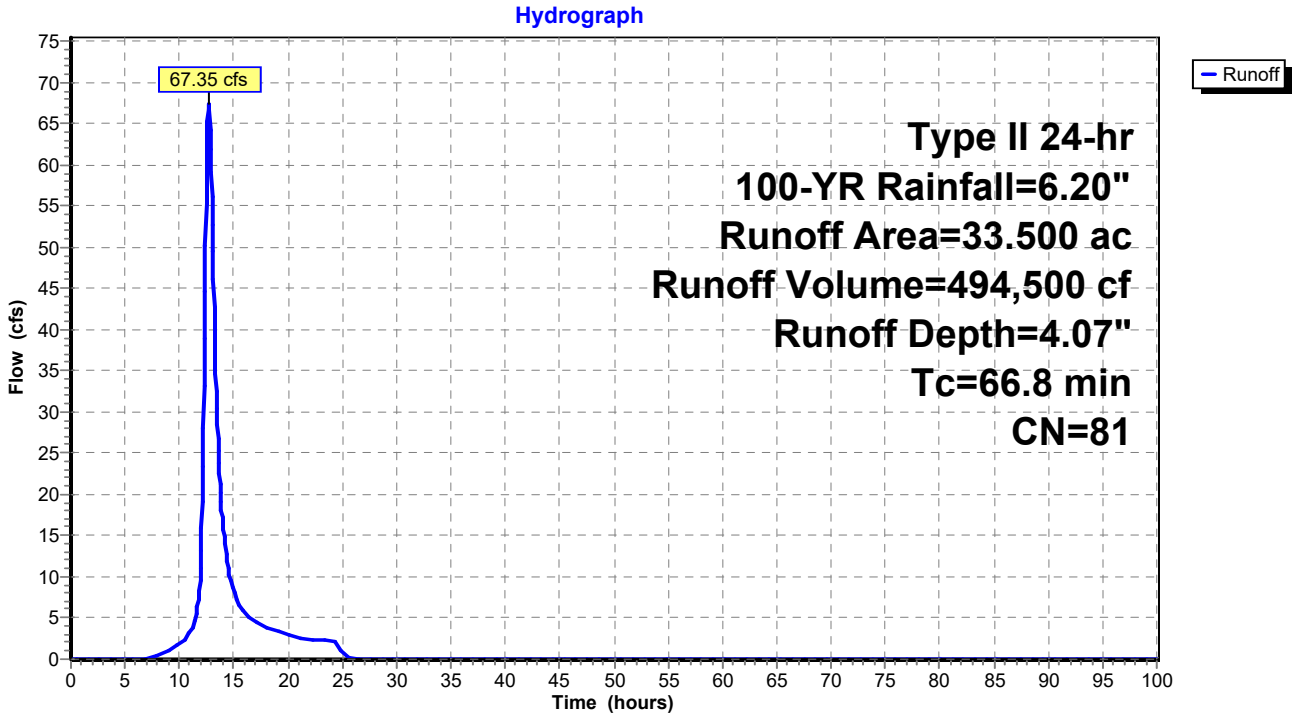
Runoff = 67.35 cfs @ 12.70 hrs, Volume= 494,500 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	33.500	81	
	33.500		100.00% Pervious Area

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

Subcatchment 4S: POST - 2



Summary for Subcatchment 5S: PRE - 3

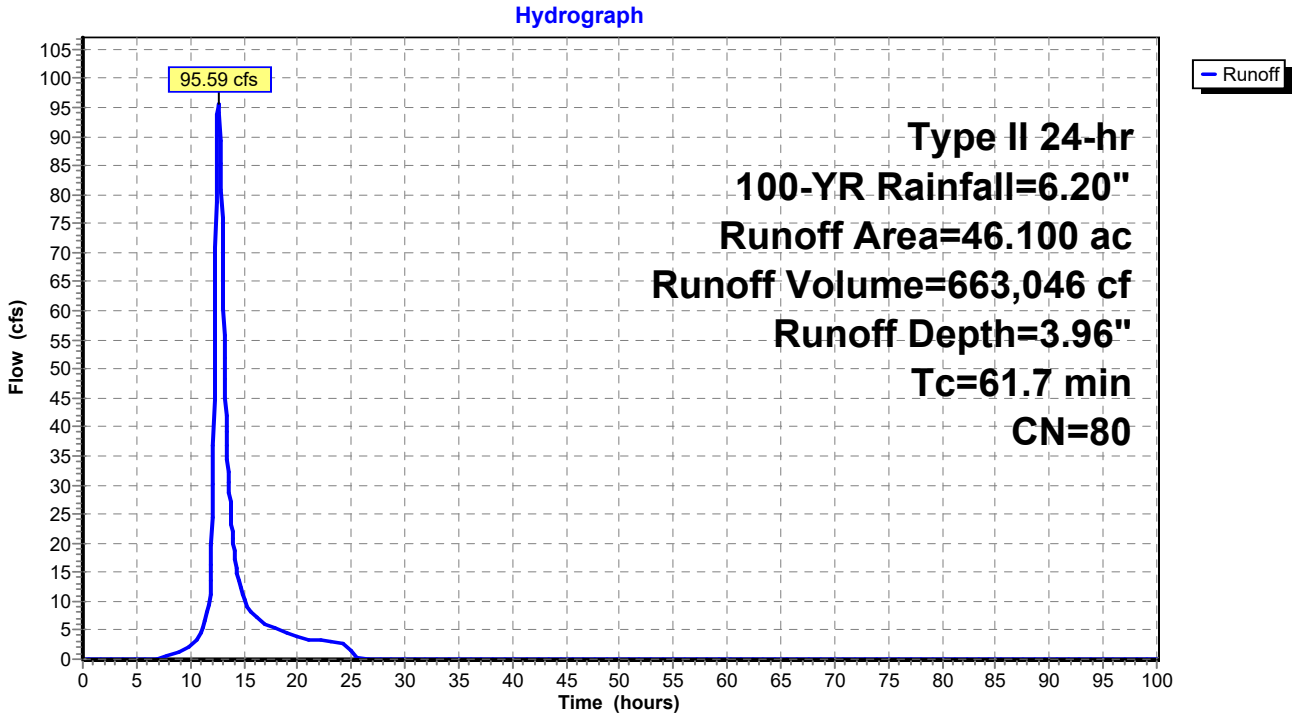
Runoff = 95.59 cfs @ 12.64 hrs, Volume= 663,046 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	46.100	80	
	46.100		100.00% Pervious Area

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

Subcatchment 5S: PRE - 3



Summary for Subcatchment 6S: POST - 3

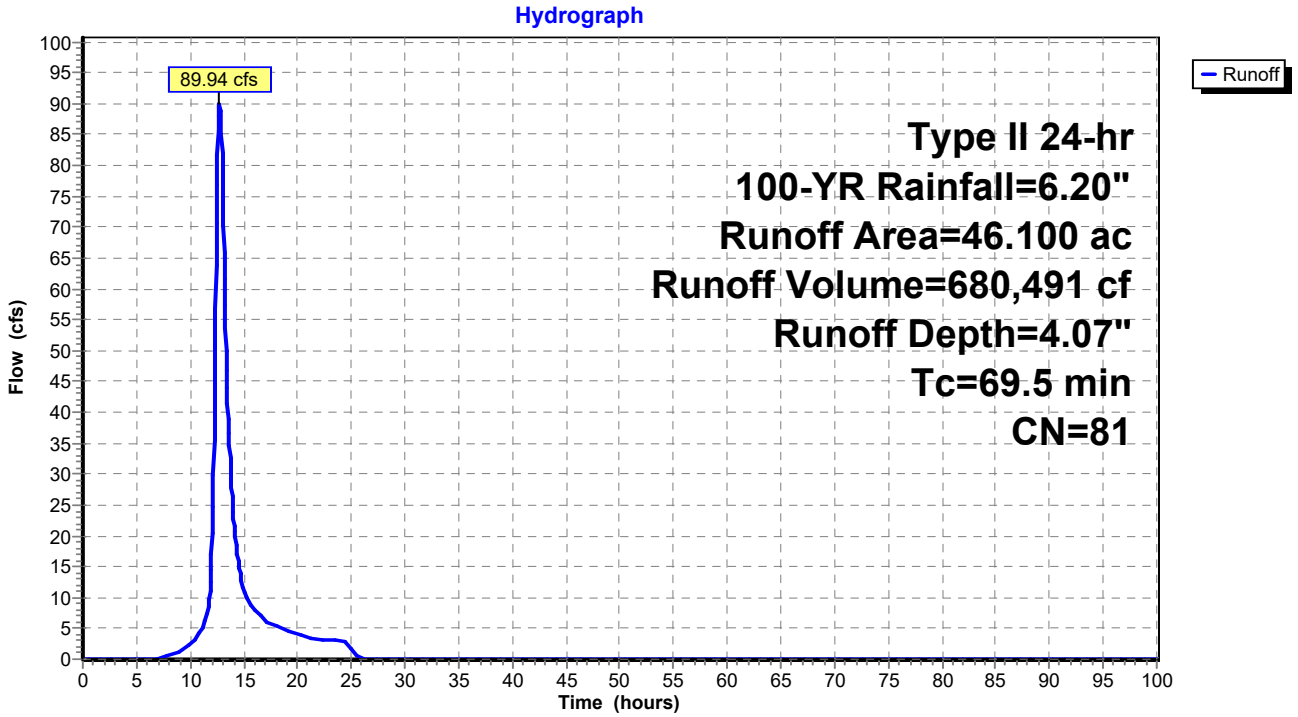
Runoff = 89.94 cfs @ 12.74 hrs, Volume= 680,491 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	46.100	81	
	46.100		100.00% Pervious Area

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

Subcatchment 6S: POST - 3



Summary for Subcatchment 7S: PRE - 4

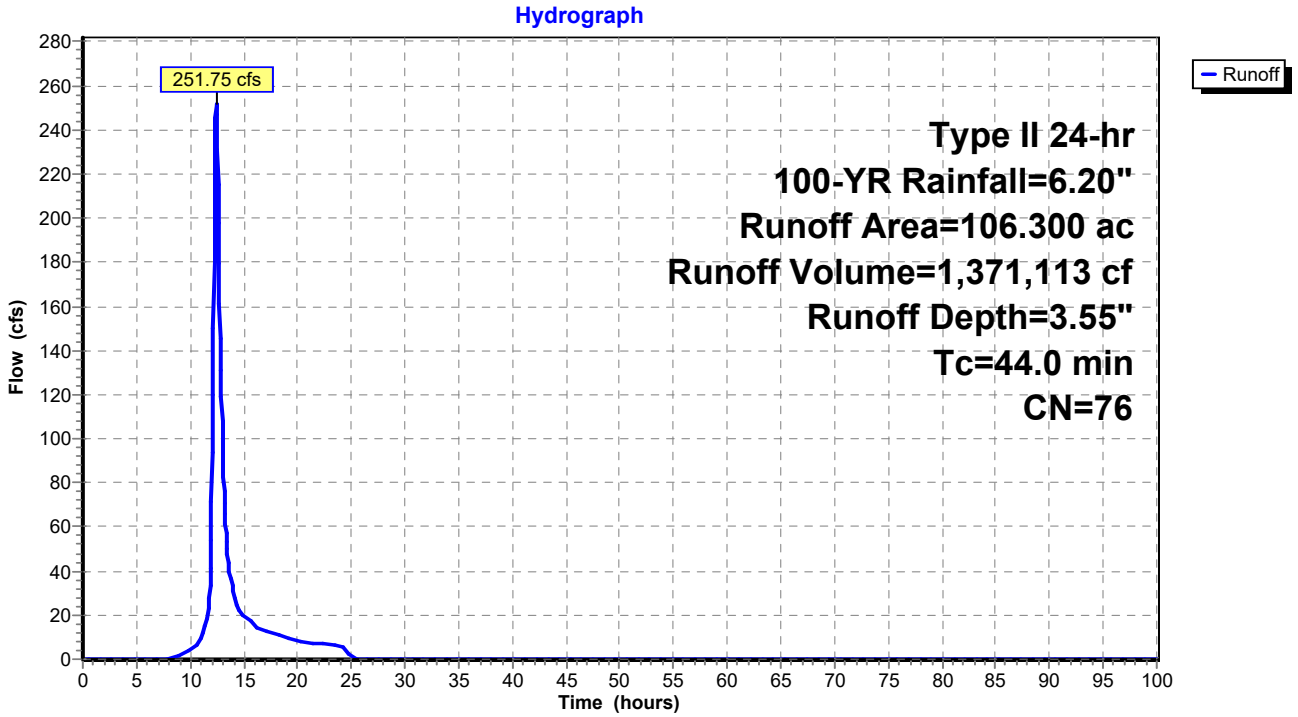
Runoff = 251.75 cfs @ 12.42 hrs, Volume= 1,371,113 cf, Depth= 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	106.300	76	
	106.300		100.00% Pervious Area

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

Subcatchment 7S: PRE - 4



Summary for Subcatchment 8S: POST - 4

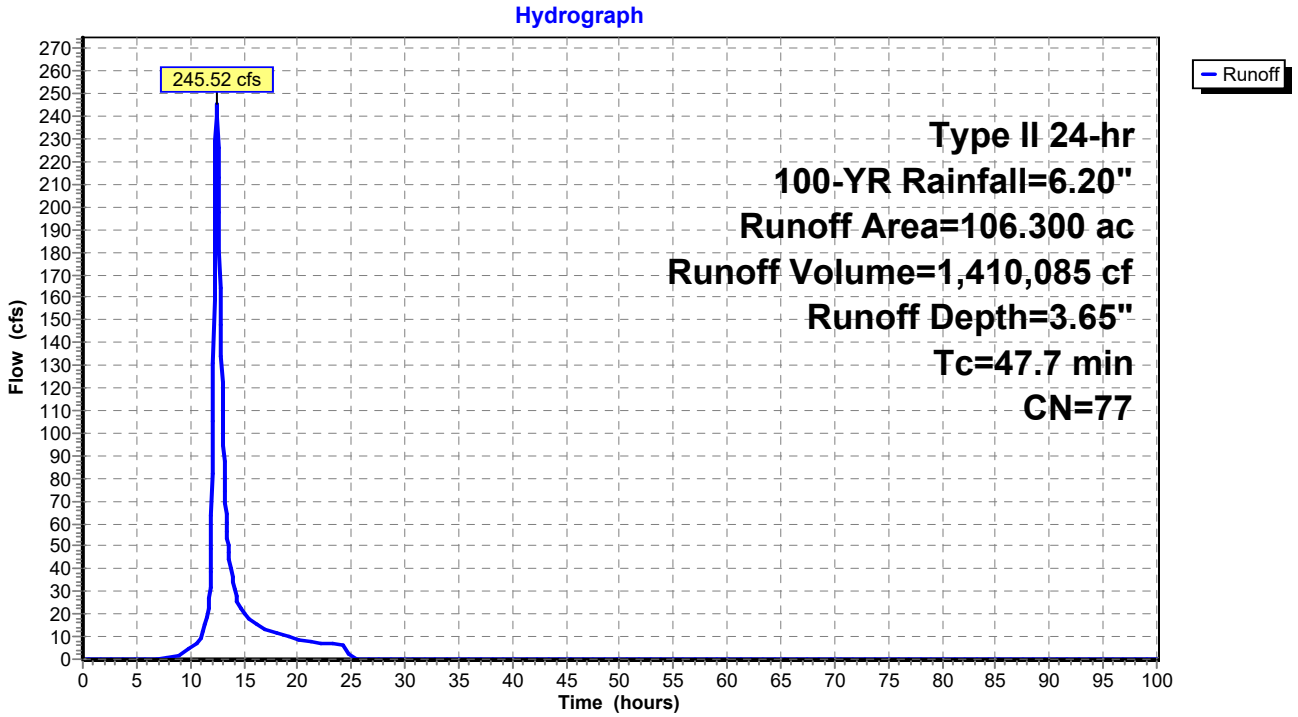
Runoff = 245.52 cfs @ 12.46 hrs, Volume= 1,410,085 cf, Depth= 3.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	106.300	77	
	106.300		100.00% Pervious Area

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

Subcatchment 8S: POST - 4



Summary for Subcatchment 9S: PRE - 5

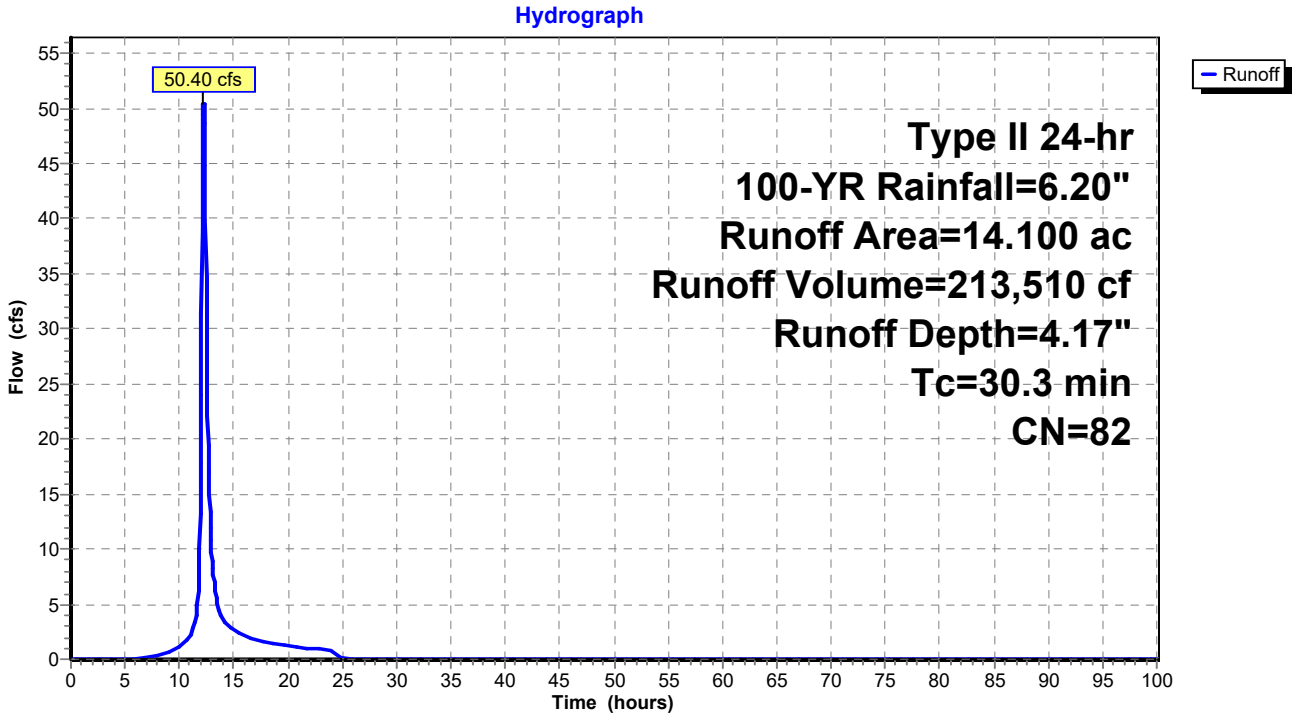
Runoff = 50.40 cfs @ 12.24 hrs, Volume= 213,510 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 9S: PRE - 5



Summary for Subcatchment 10S: POST - 5

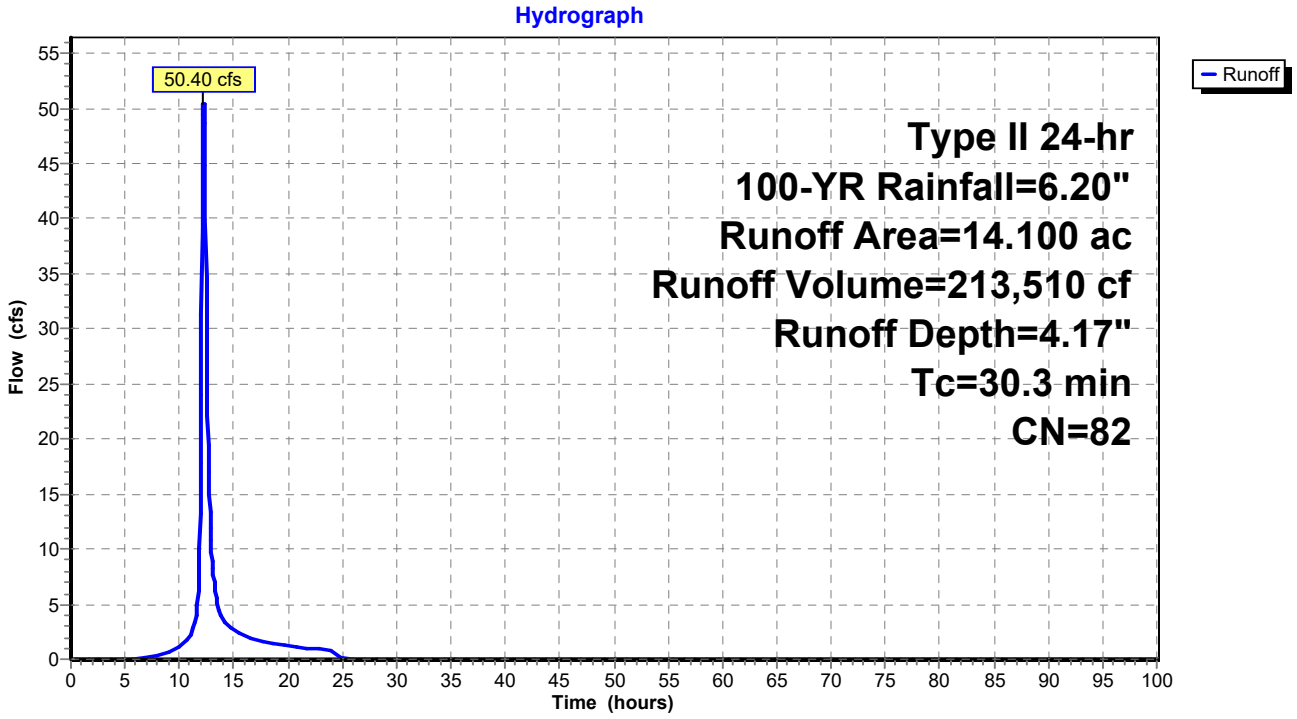
Runoff = 50.40 cfs @ 12.24 hrs, Volume= 213,510 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	14.100	82	
	14.100		100.00% Pervious Area

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

Subcatchment 10S: POST - 5



Summary for Subcatchment 11S: PRE - 6

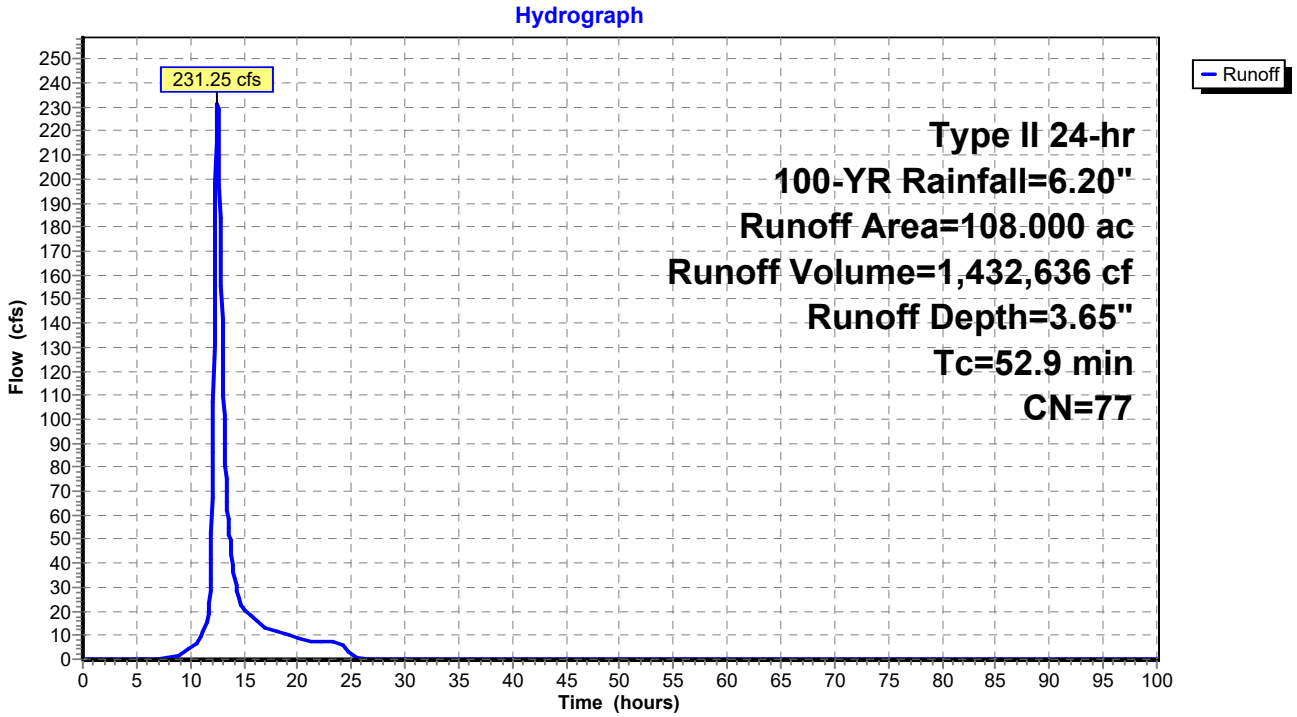
Runoff = 231.25 cfs @ 12.53 hrs, Volume= 1,432,636 cf, Depth= 3.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	108.000	77	
	108.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 6



Summary for Subcatchment 12S: POST - 6

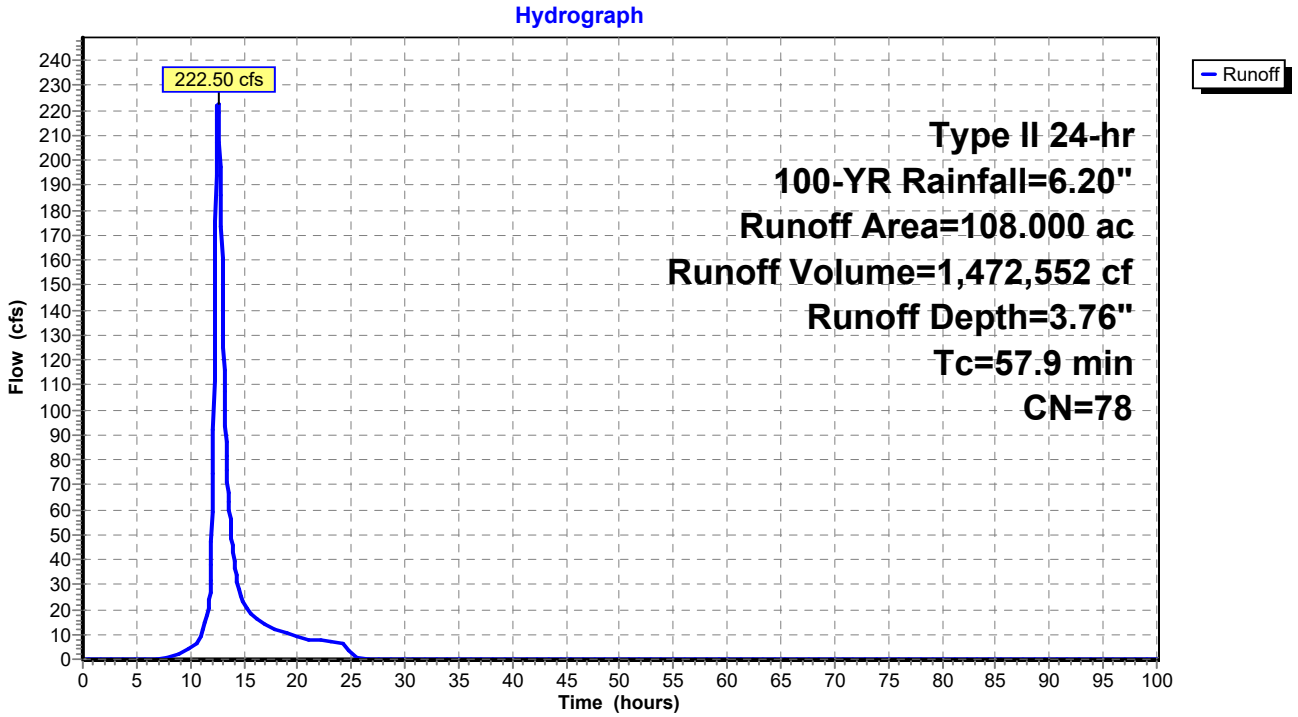
Runoff = 222.50 cfs @ 12.59 hrs, Volume= 1,472,552 cf, Depth= 3.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	108.000	78	
	108.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 6



Summary for Subcatchment 13S: PRE - 7

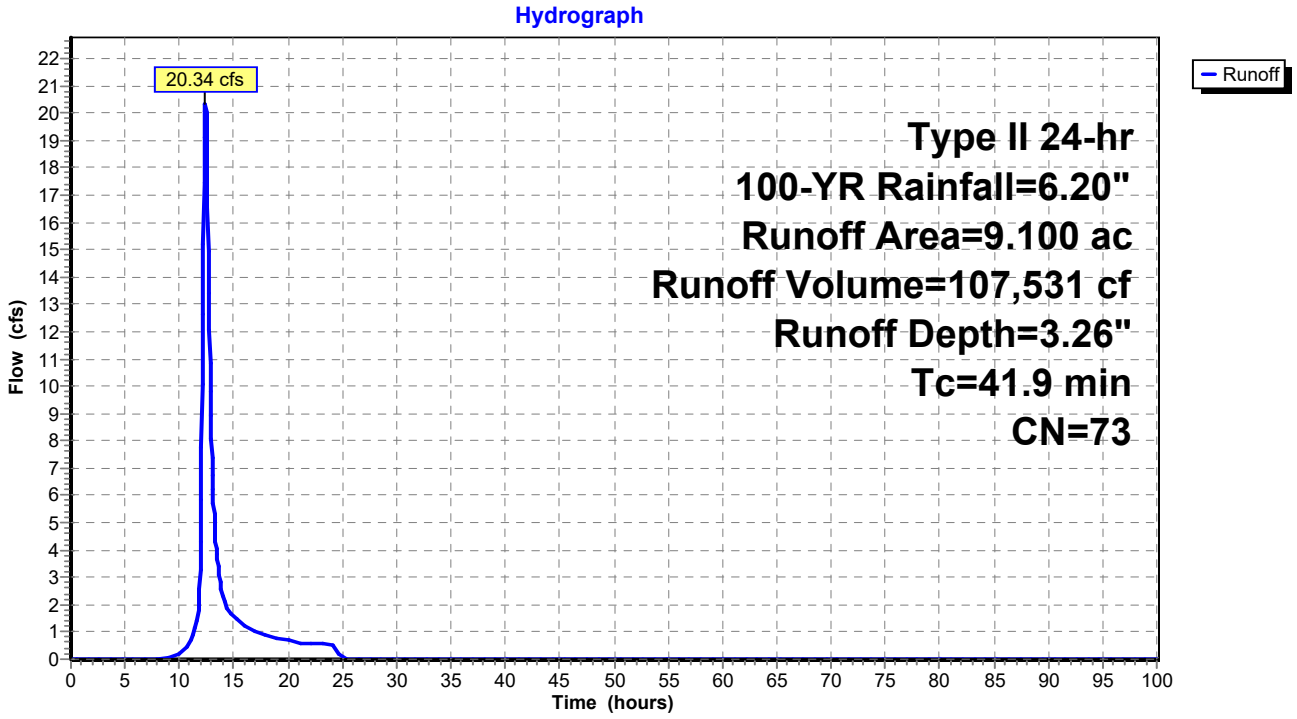
Runoff = 20.34 cfs @ 12.40 hrs, Volume= 107,531 cf, Depth= 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	9.100	73	
	9.100		100.00% Pervious Area

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

Subcatchment 13S: PRE - 7



Summary for Subcatchment 14S: POST - 7

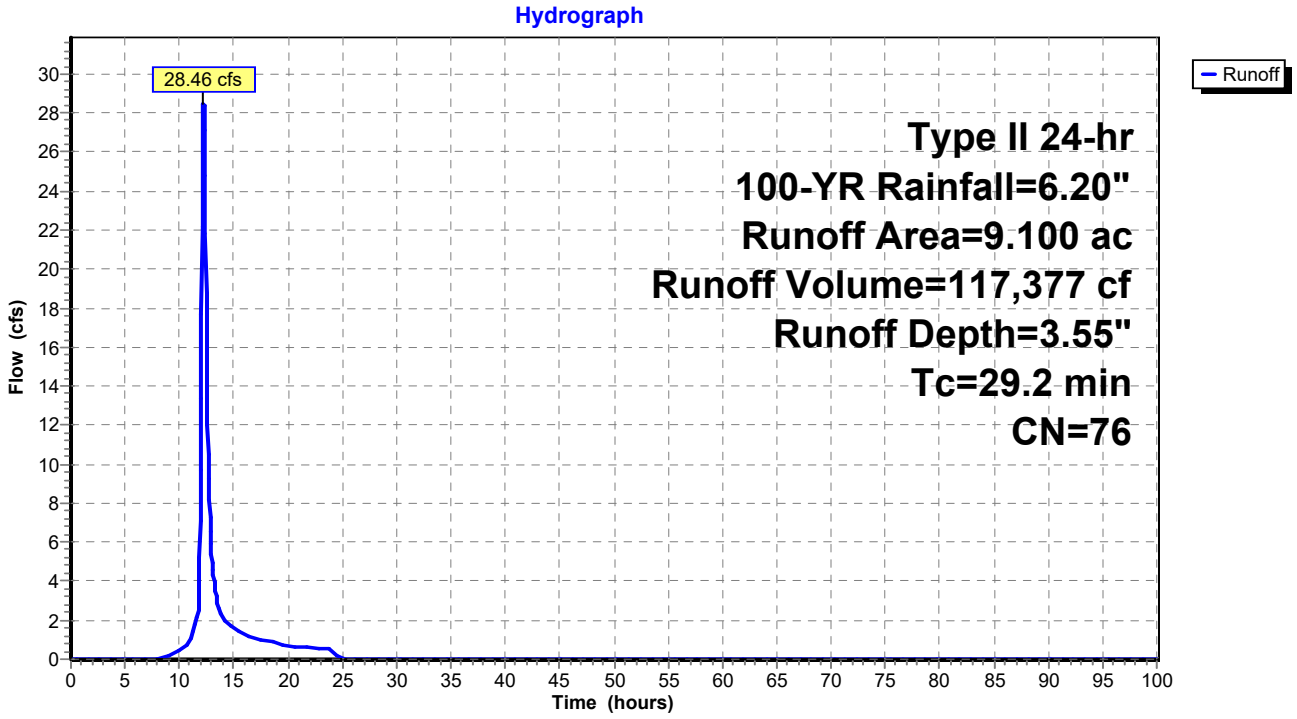
Runoff = 28.46 cfs @ 12.23 hrs, Volume= 117,377 cf, Depth= 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	9.100	76	
	9.100		100.00% Pervious Area

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

Subcatchment 14S: POST - 7



Summary for Subcatchment 15S: PRE - 8

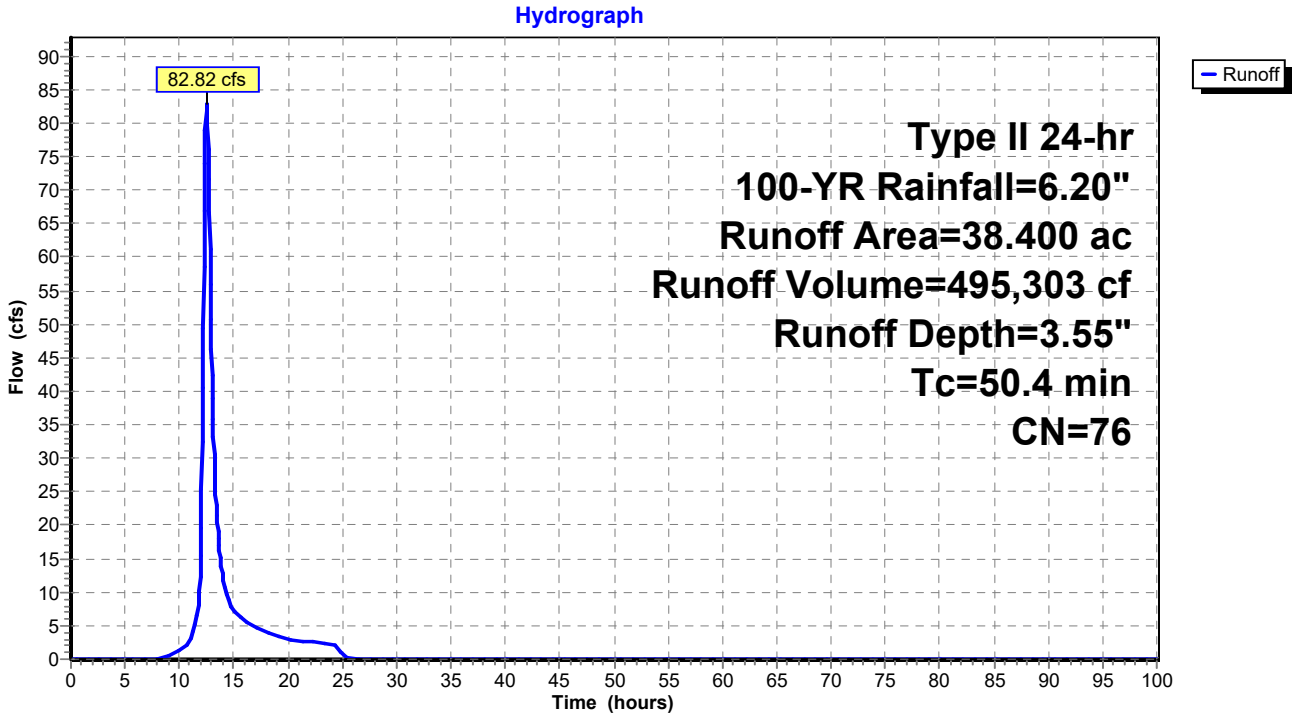
Runoff = 82.82 cfs @ 12.50 hrs, Volume= 495,303 cf, Depth= 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	38.400	76	
	38.400		100.00% Pervious Area

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

Subcatchment 15S: PRE - 8



Summary for Subcatchment 16S: POST - 8

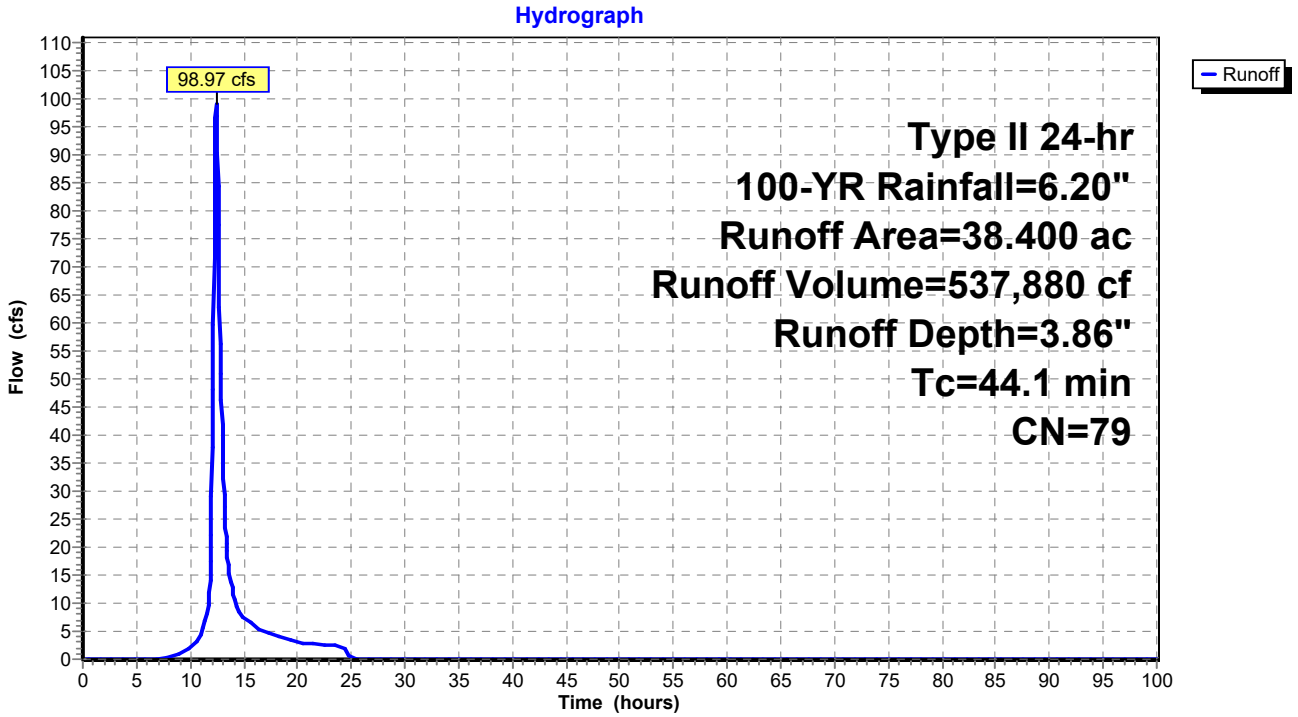
Runoff = 98.97 cfs @ 12.41 hrs, Volume= 537,880 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	38.400	79	
	38.400		100.00% Pervious Area

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

Subcatchment 16S: POST - 8



Summary for Subcatchment 17S: PRE - 9

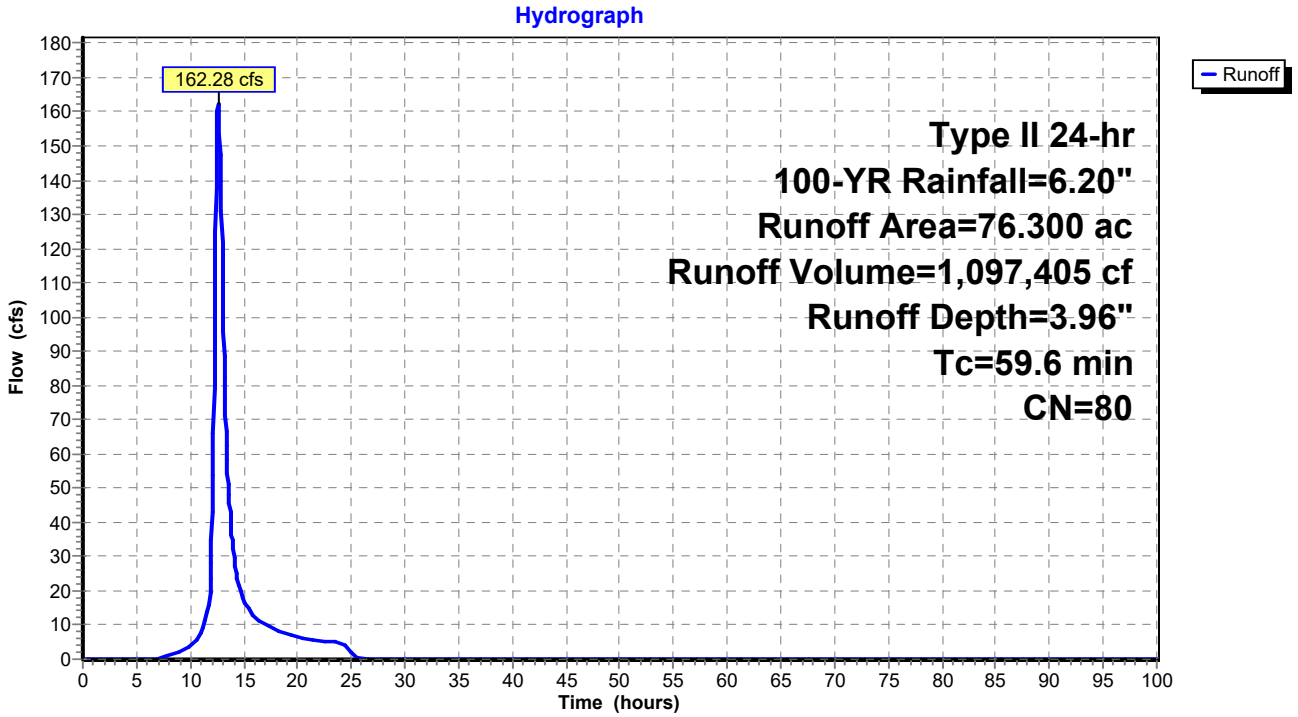
Runoff = 162.28 cfs @ 12.62 hrs, Volume= 1,097,405 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	76.300	80	
	76.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 9



Summary for Subcatchment 18S: POST - 9

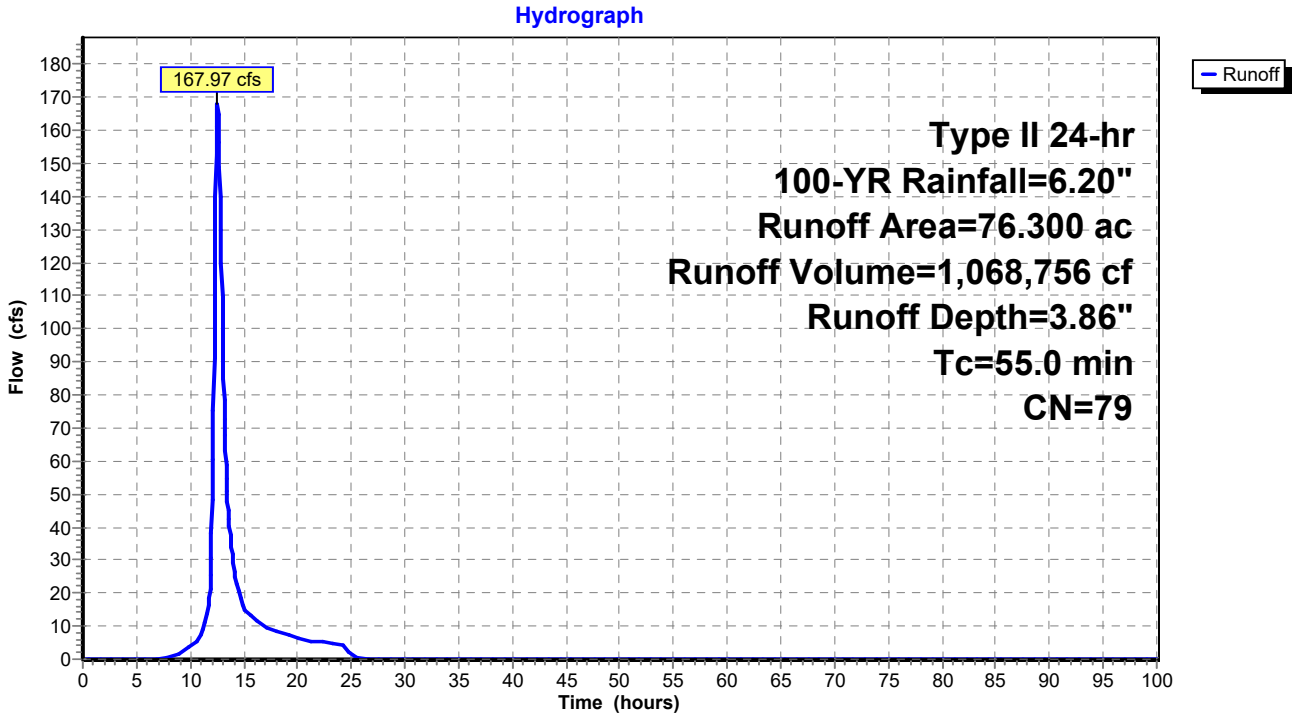
Runoff = 167.97 cfs @ 12.55 hrs, Volume= 1,068,756 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	76.300	79	
	76.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 9



Summary for Subcatchment 19S: PRE - 10

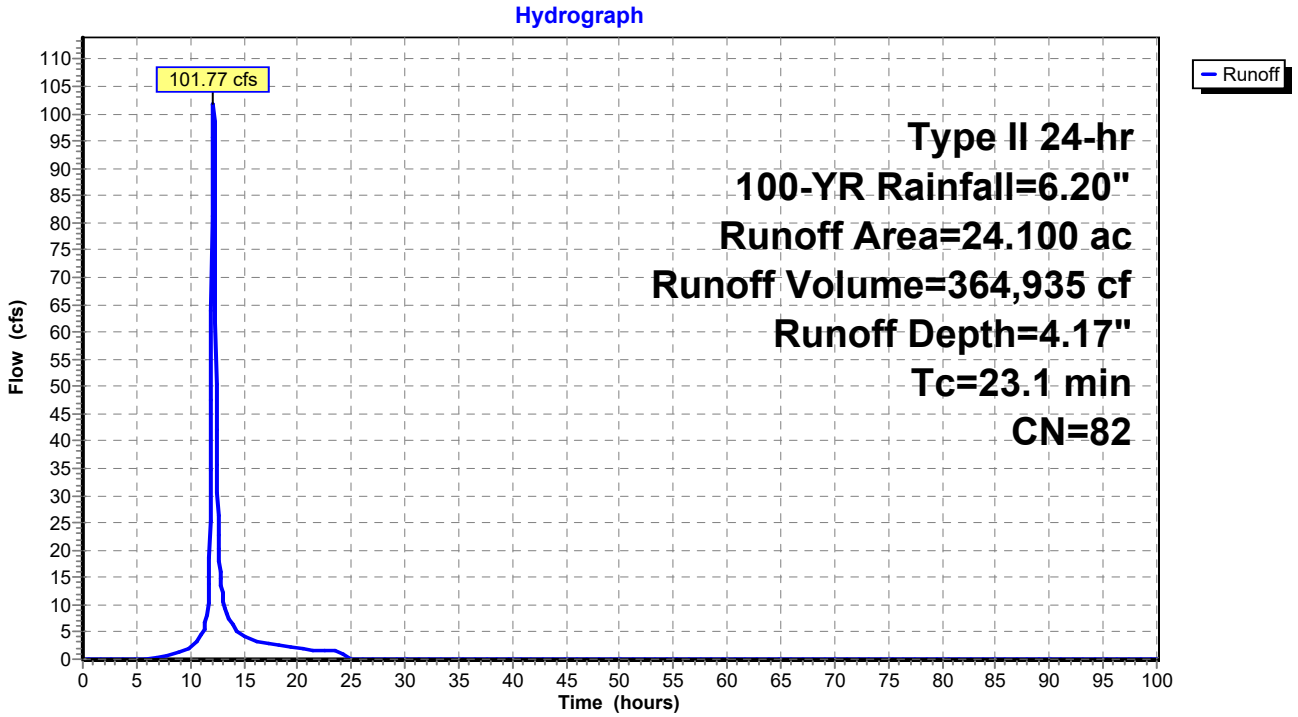
Runoff = 101.77 cfs @ 12.16 hrs, Volume= 364,935 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	24.100	82	
	24.100		100.00% Pervious Area

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

Subcatchment 19S: PRE - 10



Summary for Subcatchment 20S: POST - 10

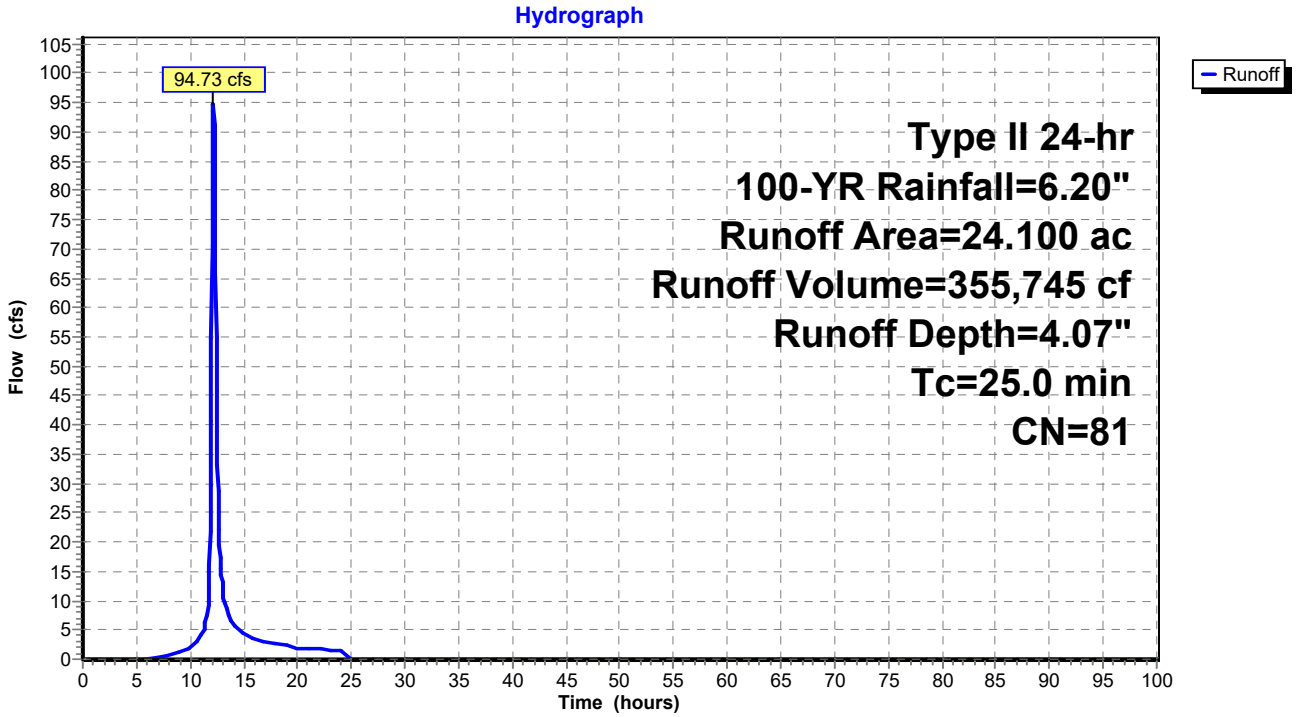
Runoff = 94.73 cfs @ 12.18 hrs, Volume= 355,745 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	24.100	81	
	24.100		100.00% Pervious Area

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

Subcatchment 20S: POST - 10



Summary for Subcatchment 21S: PRE - 11

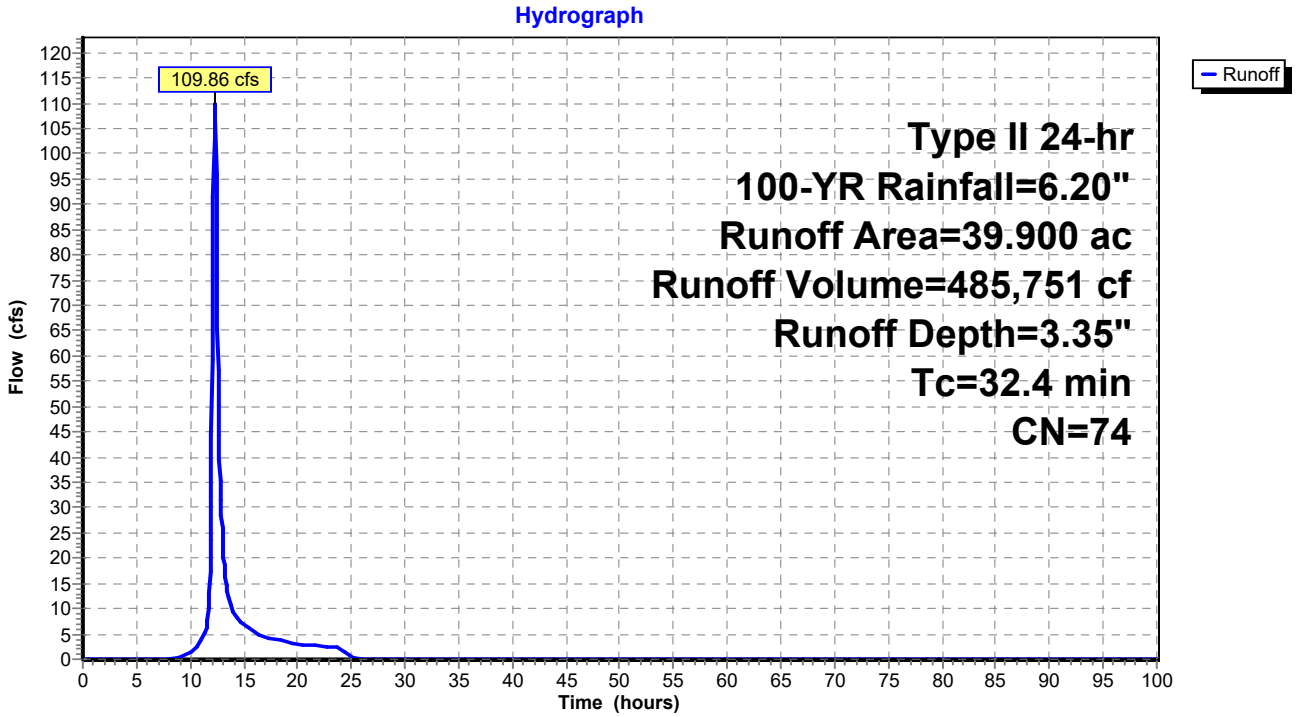
Runoff = 109.86 cfs @ 12.27 hrs, Volume= 485,751 cf, Depth= 3.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	39.900	74	
	39.900		100.00% Pervious Area

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

Subcatchment 21S: PRE - 11



Summary for Subcatchment 22S: POST - 11

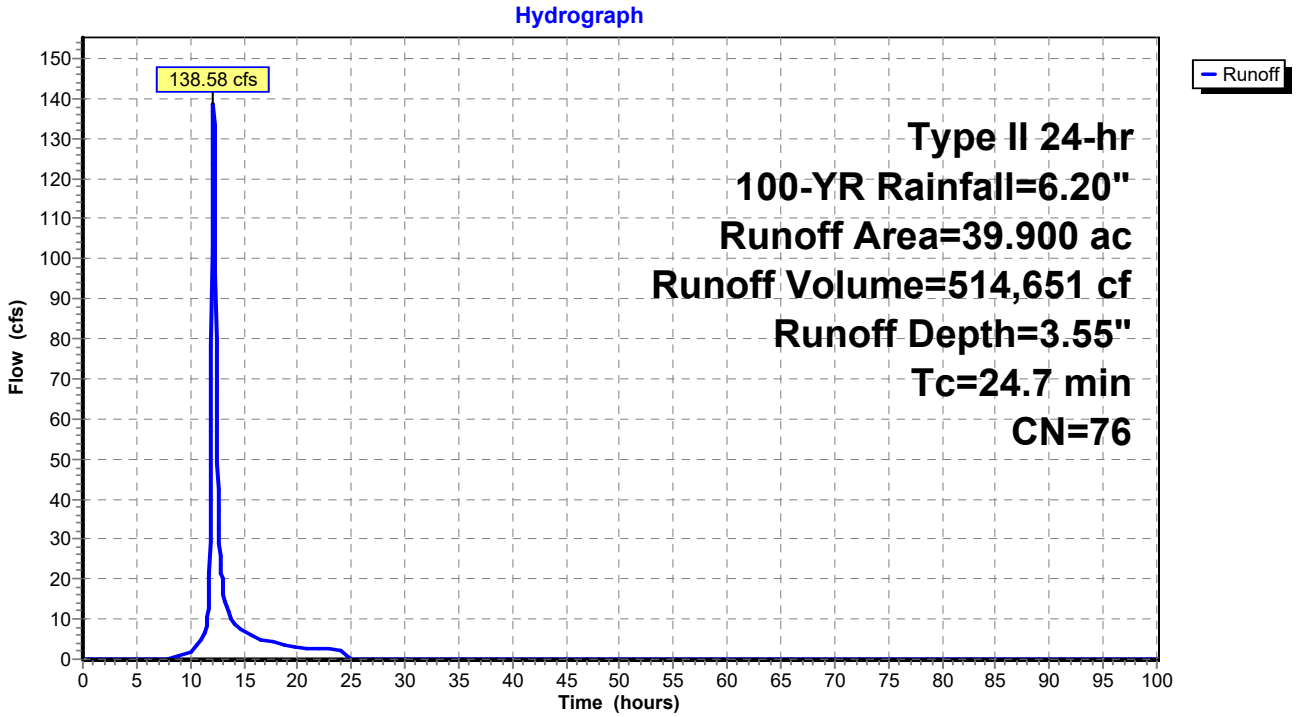
Runoff = 138.58 cfs @ 12.18 hrs, Volume= 514,651 cf, Depth= 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	39.900	76	
	39.900		100.00% Pervious Area

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

Subcatchment 22S: POST - 11



Summary for Subcatchment 23S: PRE - 12

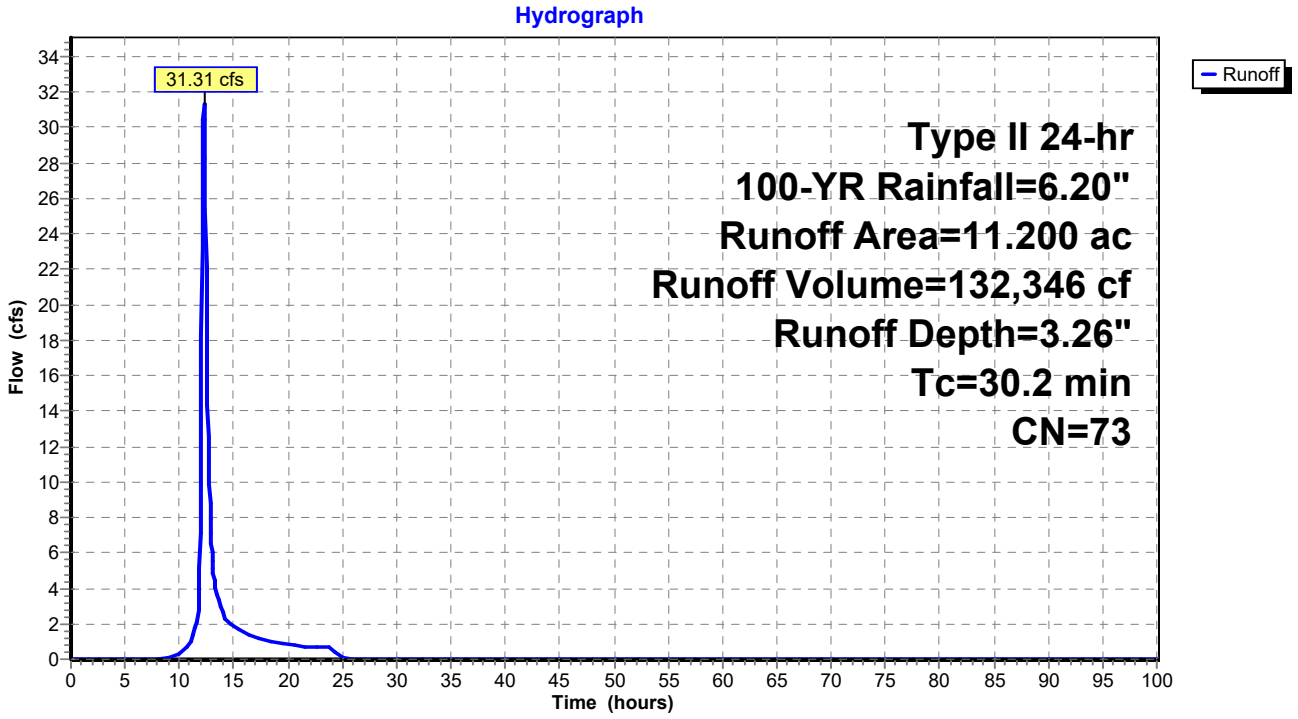
Runoff = 31.31 cfs @ 12.25 hrs, Volume= 132,346 cf, Depth= 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	11.200	73	
	11.200		100.00% Pervious Area

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

Subcatchment 23S: PRE - 12



Summary for Subcatchment 24S: POST - 12

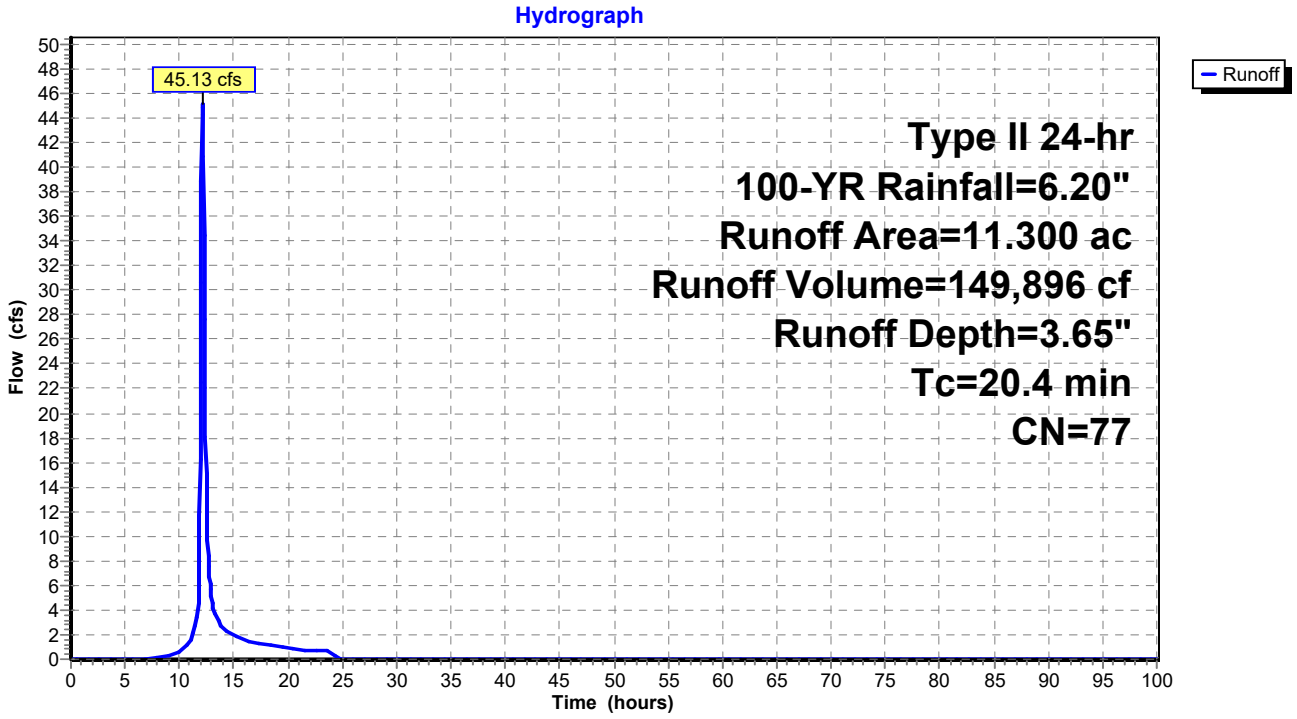
Runoff = 45.13 cfs @ 12.13 hrs, Volume= 149,896 cf, Depth= 3.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	11.300	77	
	11.300		100.00% Pervious Area

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

Subcatchment 24S: POST - 12



Summary for Subcatchment 25S: PRE - 13

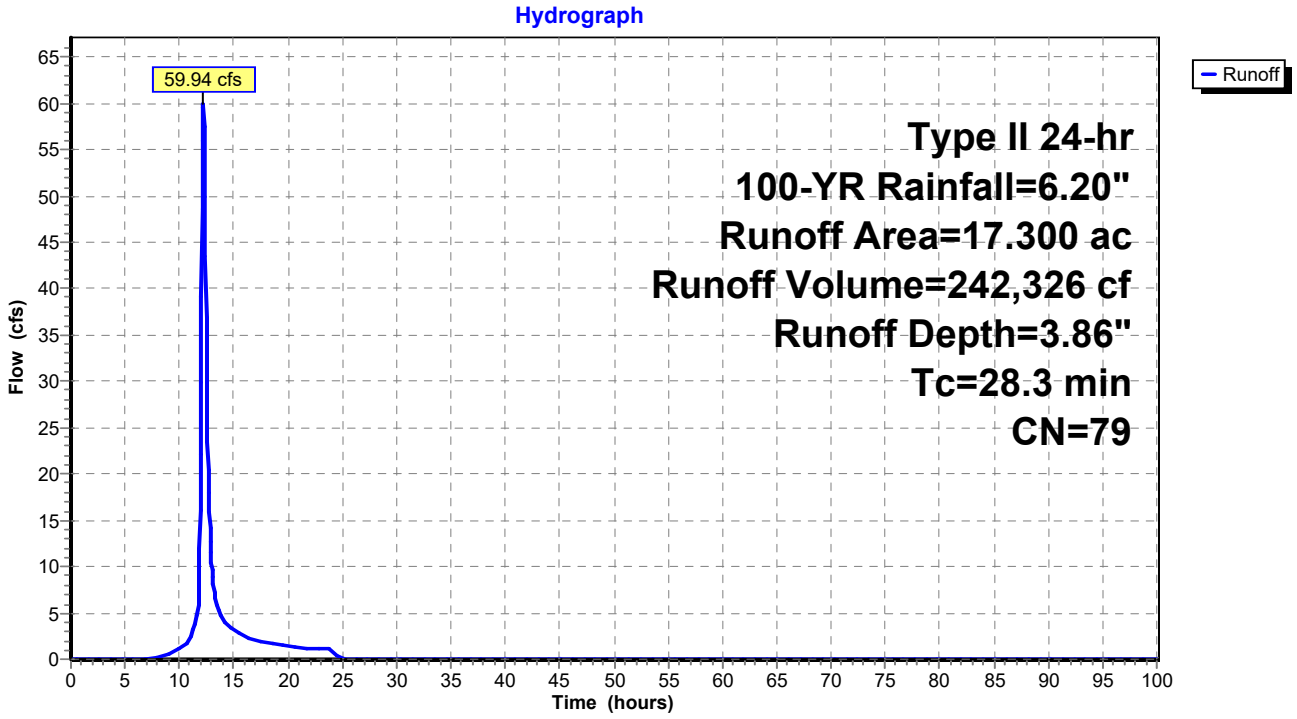
Runoff = 59.94 cfs @ 12.22 hrs, Volume= 242,326 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	17.300	79	
	17.300		100.00% Pervious Area

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

Subcatchment 25S: PRE - 13



Summary for Subcatchment 26S: POST - 13

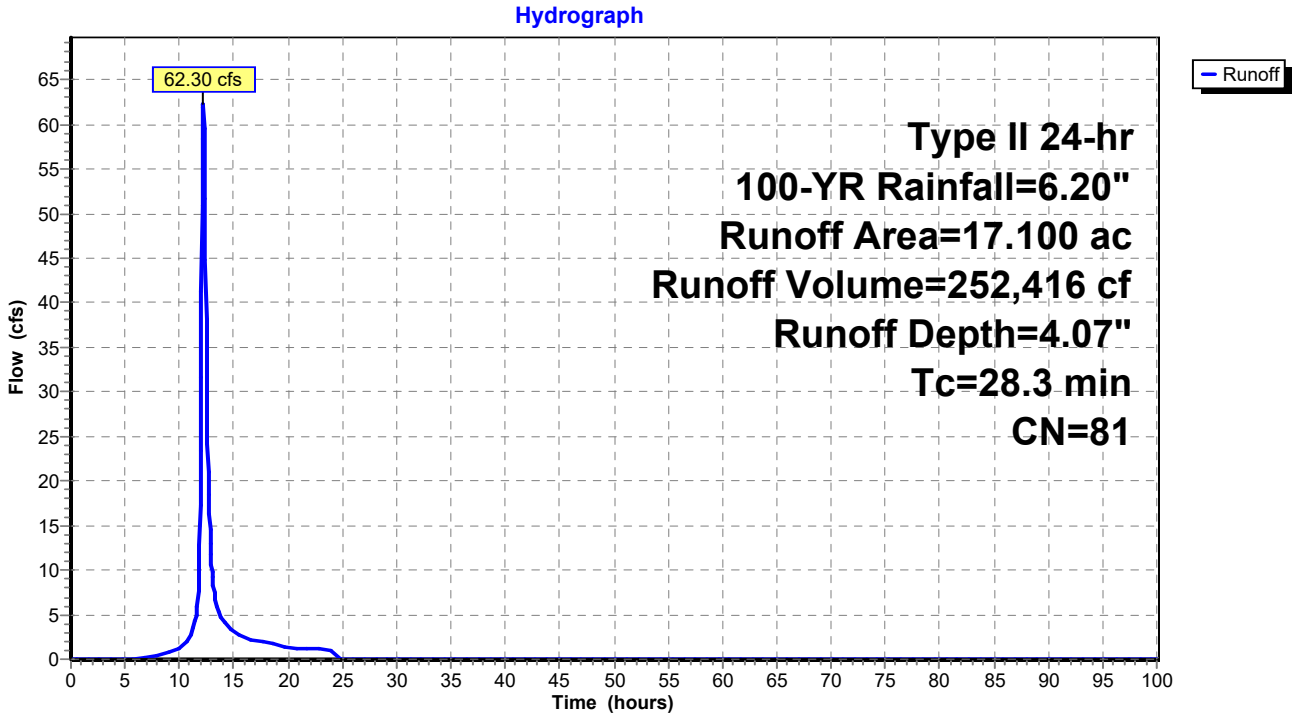
Runoff = 62.30 cfs @ 12.22 hrs, Volume= 252,416 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	17.100	81	
	17.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 13



Summary for Subcatchment 27S: PRE - 14

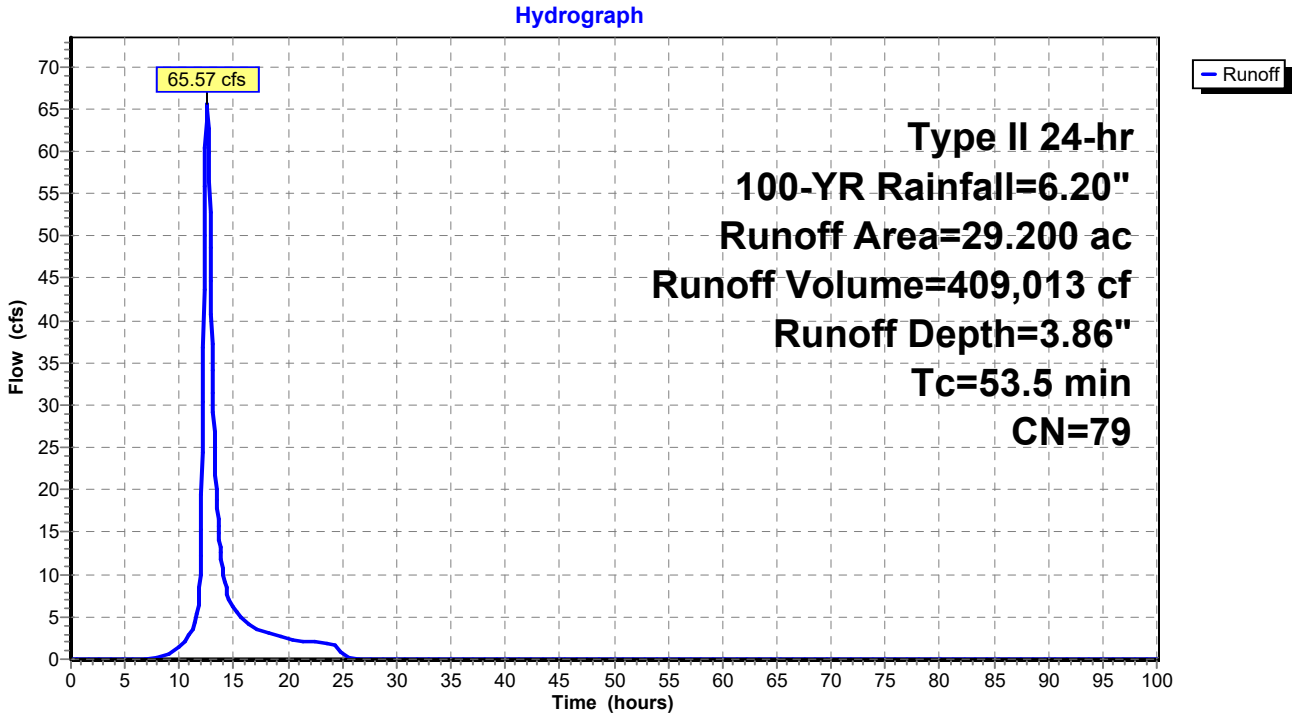
Runoff = 65.57 cfs @ 12.54 hrs, Volume= 409,013 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	29.200	79	
	29.200		100.00% Pervious Area

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

Subcatchment 27S: PRE - 14



Summary for Subcatchment 28S: POST - 14

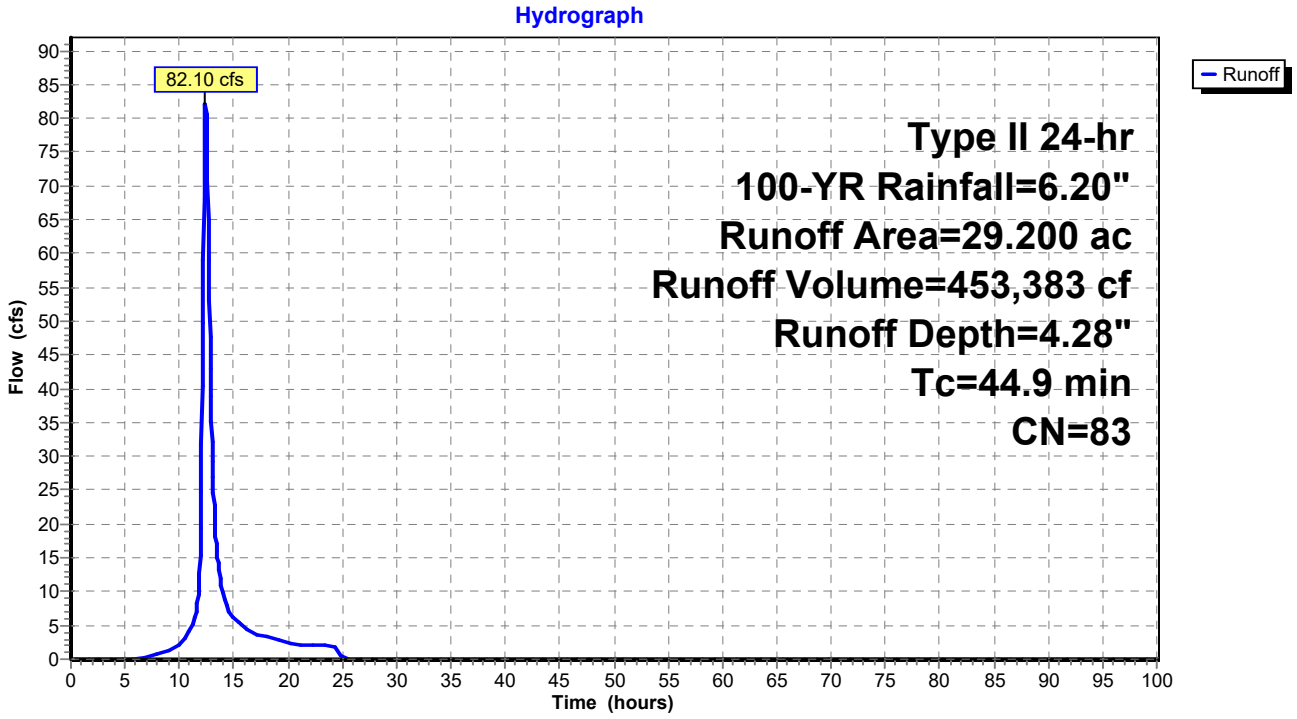
Runoff = 82.10 cfs @ 12.42 hrs, Volume= 453,383 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	29.200	83	
	29.200		100.00% Pervious Area

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

Subcatchment 28S: POST - 14



Summary for Subcatchment 29S: PRE - 15

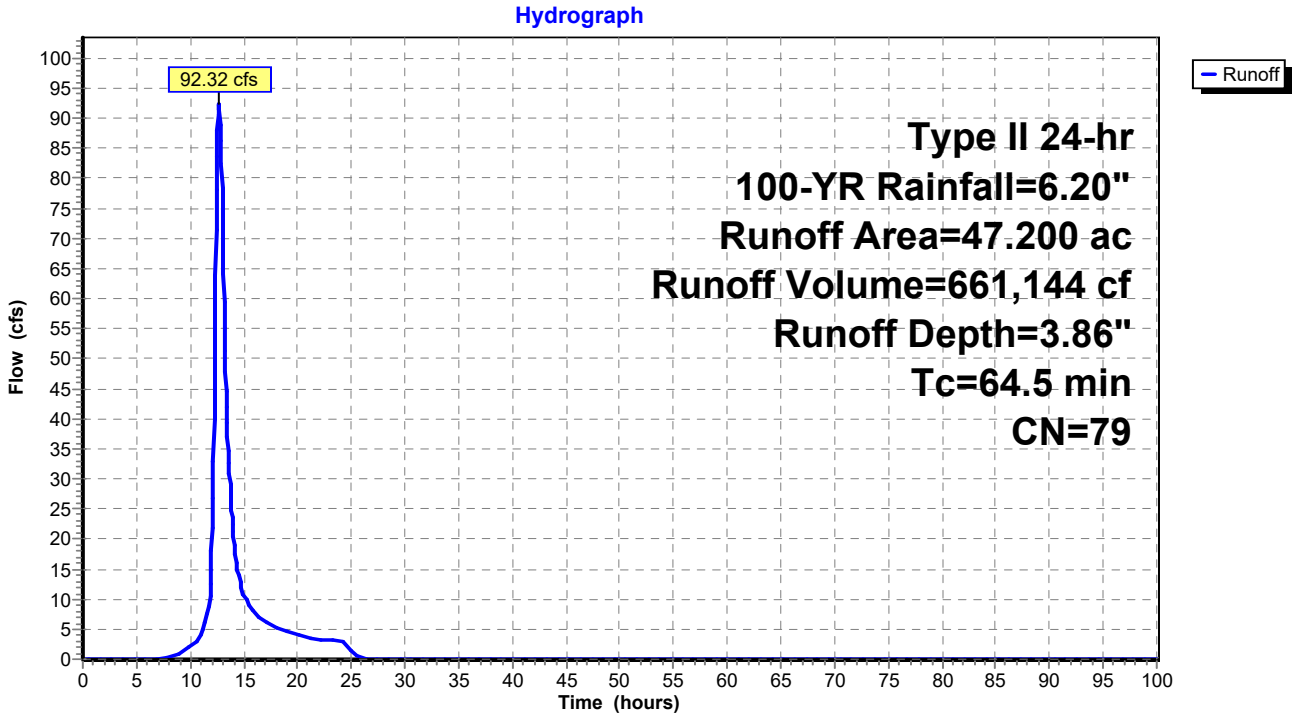
Runoff = 92.32 cfs @ 12.68 hrs, Volume= 661,144 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	47.200	79	
	47.200		100.00% Pervious Area

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

Subcatchment 29S: PRE - 15



Summary for Subcatchment 30S: POST - 15

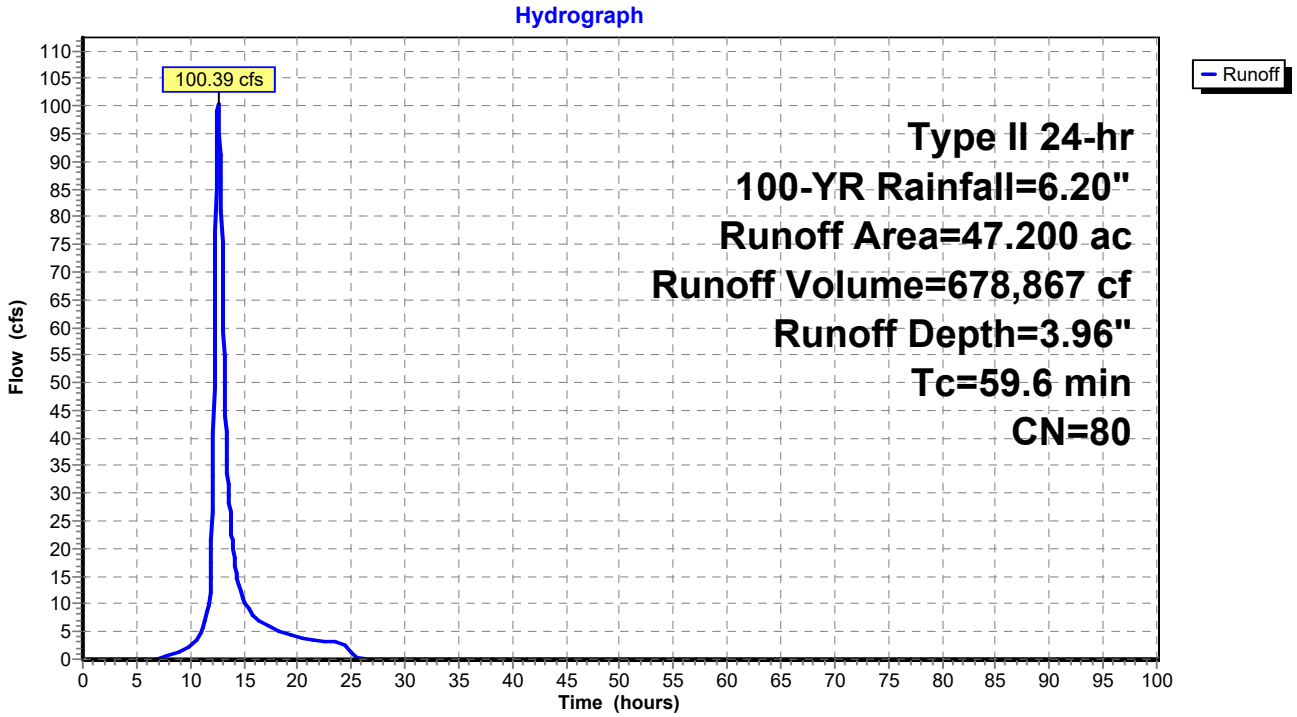
Runoff = 100.39 cfs @ 12.62 hrs, Volume= 678,867 cf, Depth= 3.96"

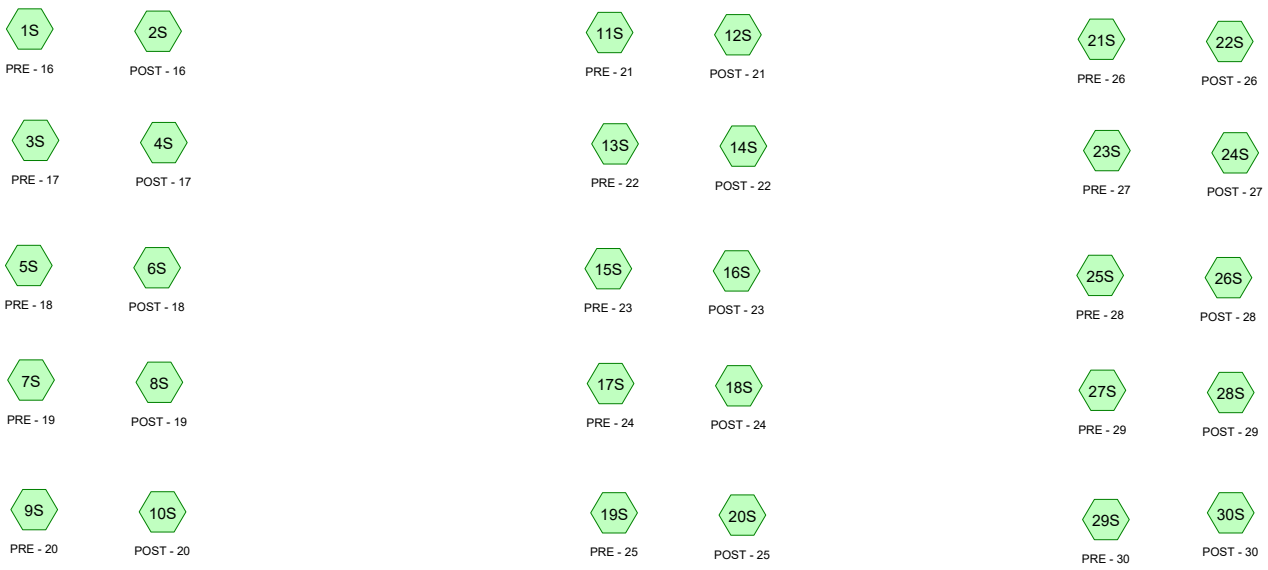
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	47.200	80	
	47.200		100.00% Pervious Area

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

Subcatchment 30S: POST - 15





Subcat Reach Pond Link

Routing Diagram for South Ripley 16- 30
Prepared by Microsoft, Printed 7/13/2021
HydroCAD® 10.00-19 s/n 06365 © 2016 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
15,320,052	83	(1S, 2S, 22S, 30S)
45,524,556	80	(3S, 6S, 9S, 17S, 18S)
23,478,840	81	(4S, 8S, 10S, 23S, 29S)
12,458,160	79	(5S, 28S)
2,295,612	78	(7S, 27S)
8,476,776	73	(11S, 13S)
8,476,776	75	(12S, 14S)
3,332,340	68	(15S)
3,332,340	70	(16S)
22,725,252	82	(19S, 20S, 21S, 24S)
1,646,568	84	(25S, 26S)
147,067,272	**80**	**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	0	0	0	147,067,272	147,067,272		1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S

Ground Covers (all nodes) (continued)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	**0**	**0**	**0**	**147,067,272**	**147,067,272**	**TOTAL AREA**	

Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=0.87"
Tc=54.4 min CN=83 Runoff=27.77 cfs 184,329 cf

Subcatchment2S: POST - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=0.87"
Tc=57.2 min CN=83 Runoff=26.76 cfs 184,329 cf

Subcatchment3S: PRE - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=0.72"
Tc=43.2 min CN=80 Runoff=26.84 cfs 156,944 cf

Subcatchment4S: POST - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=0.77"
Tc=46.2 min CN=81 Runoff=27.67 cfs 167,391 cf

Subcatchment5S: PRE - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=0.67"
Tc=59.2 min CN=79 Runoff=79.11 cfs 593,159 cf

Subcatchment6S: POST - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=0.72"
Tc=55.1 min CN=80 Runoff=90.56 cfs 633,531 cf

Subcatchment7S: PRE - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=0.63"
Tc=40.5 min CN=78 Runoff=3.51 cfs 20,376 cf

Subcatchment8S: POST - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=0.77"
Tc=28.0 min CN=81 Runoff=5.84 cfs 24,830 cf

Subcatchment9S: PRE - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=0.72"
Tc=60.3 min CN=80 Runoff=134.95 cfs 1,008,889 cf

Subcatchment10S: POST - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=0.77"
Tc=51.4 min CN=81 Runoff=164.61 cfs 1,076,048 cf

Subcatchment11S: PRE - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=0.44"
Tc=44.1 min CN=73 Runoff=36.09 cfs 257,506 cf

Subcatchment12S: POST - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=0.51"
Tc=37.3 min CN=75 Runoff=50.73 cfs 299,844 cf

Subcatchment13S: PRE - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=0.44"
Tc=34.7 min CN=73 Runoff=8.62 cfs 51,819 cf

Subcatchment14S: POST - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=0.51"
Tc=25.5 min CN=75 Runoff=13.40 cfs 60,339 cf

Subcatchment15S: PRE - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=0.28"
Tc=21.4 min CN=68 Runoff=14.20 cfs 79,089 cf

Subcatchment16S: POST - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=0.34"
Tc=20.5 min CN=70 Runoff=19.90 cfs 94,873 cf

Subcatchment17S: PRE - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=0.72"
Tc=31.2 min CN=80 Runoff=100.69 cfs 467,170 cf

Subcatchment18S: POST - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=0.72"
Tc=33.5 min CN=80 Runoff=95.88 cfs 467,170 cf

Subcatchment19S: PRE - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=0.82"
Tc=51.9 min CN=82 Runoff=69.51 cfs 451,110 cf

Subcatchment20S: POST - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=0.82"
Tc=65.3 min CN=82 Runoff=58.60 cfs 451,110 cf

Subcatchment21S: PRE - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=0.82"
Tc=45.1 min CN=82 Runoff=93.46 cfs 547,988 cf

Subcatchment22S: POST - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=0.87"
Tc=42.4 min CN=83 Runoff=105.44 cfs 583,023 cf

Subcatchment23S: PRE - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=0.77"
Tc=22.4 min CN=81 Runoff=25.62 cfs 94,018 cf

Subcatchment24S: POST - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=0.82"
Tc=22.4 min CN=82 Runoff=27.60 cfs 100,148 cf

Subcatchment25S: PRE - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=0.93"
Tc=21.7 min CN=84 Runoff=18.14 cfs 63,508 cf

Subcatchment26S: POST - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=0.93"
Tc=22.6 min CN=84 Runoff=17.70 cfs 63,508 cf

Subcatchment27S: PRE - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=0.63"
Tc=37.4 min CN=78 Runoff=18.33 cfs 100,280 cf

Subcatchment28S: POST - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=0.67"
Tc=25.5 min CN=79 Runoff=26.09 cfs 107,268 cf

Subcatchment29S: PRE - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=0.77"
Tc=31.6 min CN=81 Runoff=30.62 cfs 141,446 cf

Subcatchment30S: POST - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=0.87"
Tc=30.2 min CN=83 Runoff=36.70 cfs 160,300 cf

Total Runoff Area = 147,067,272 sf Runoff Volume = 8,691,342 cf Average Runoff Depth = 0.71"
100.00% Pervious = 147,067,272 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 16

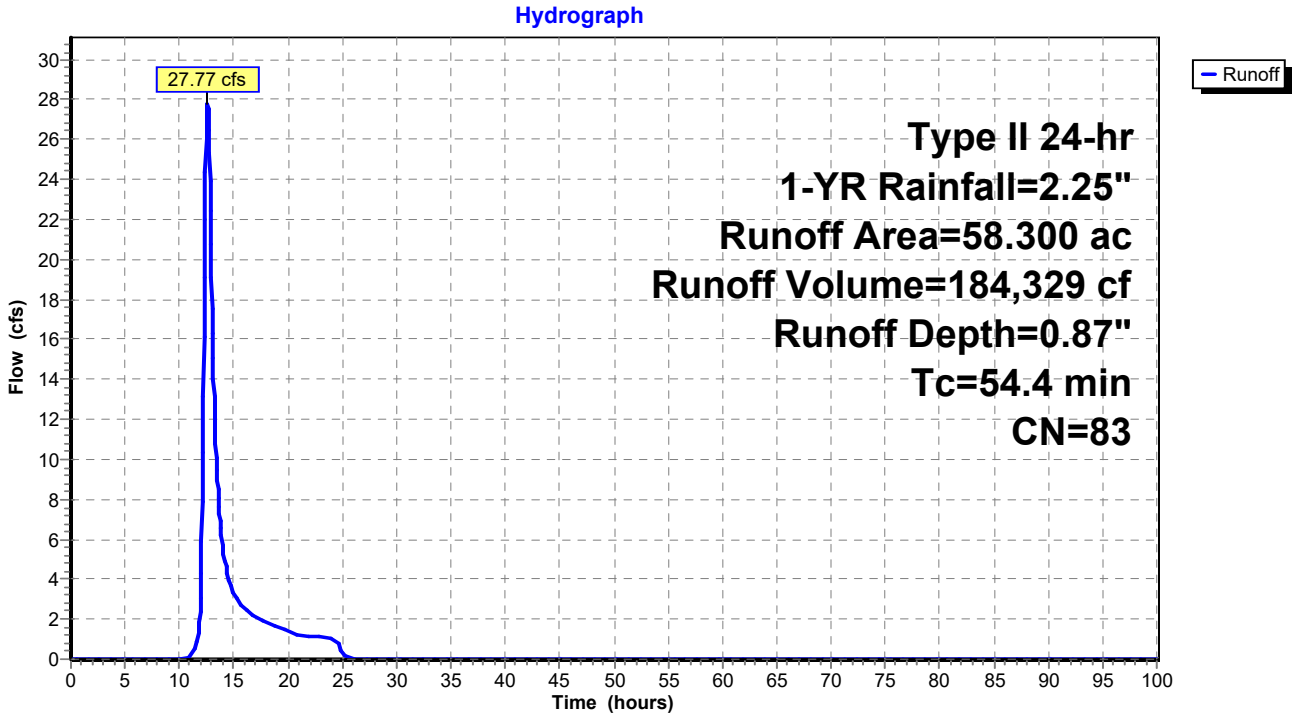
Runoff = 27.77 cfs @ 12.58 hrs, Volume= 184,329 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 16



Summary for Subcatchment 2S: POST - 16

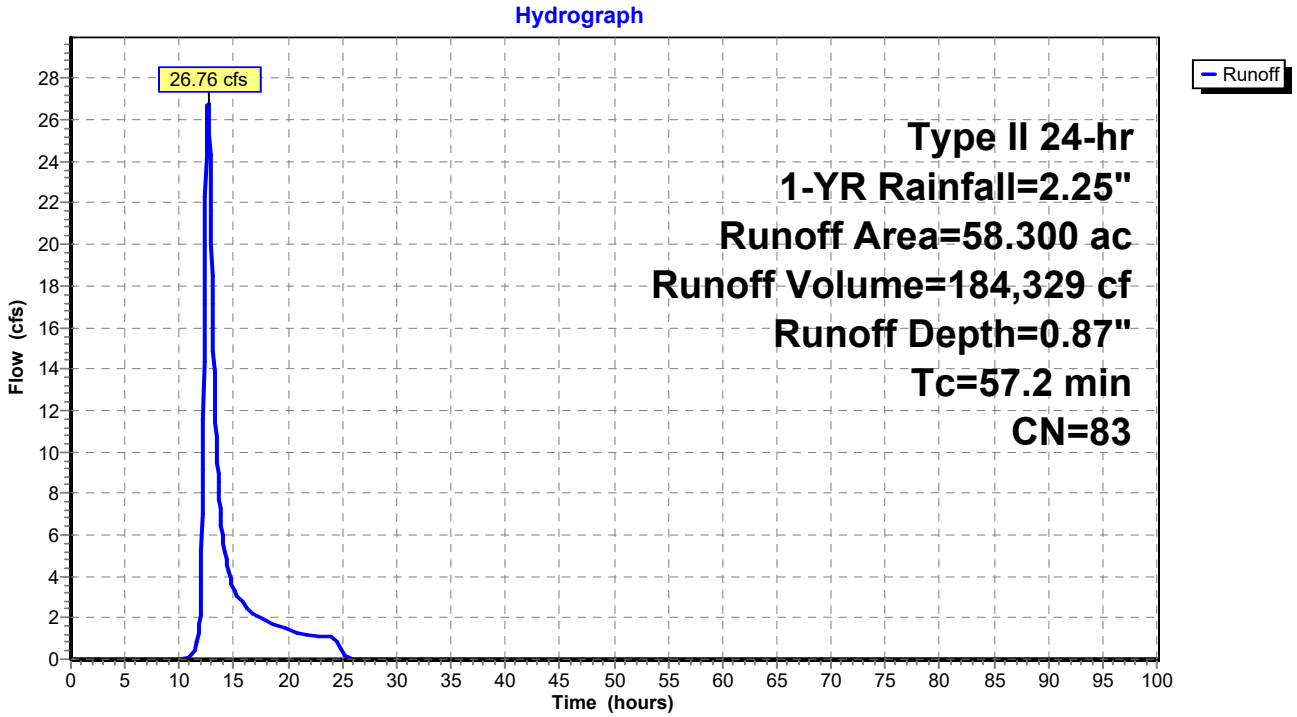
Runoff = 26.76 cfs @ 12.62 hrs, Volume= 184,329 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 16



Summary for Subcatchment 3S: PRE - 17

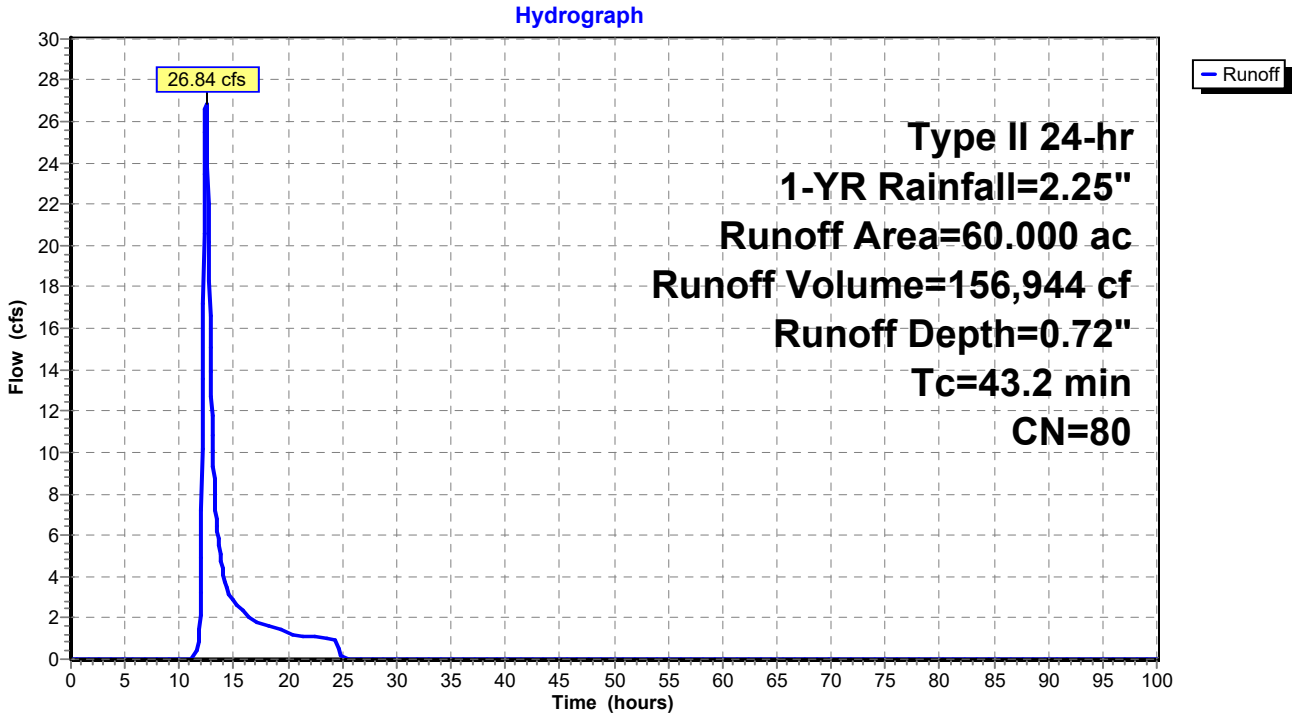
Runoff = 26.84 cfs @ 12.44 hrs, Volume= 156,944 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	60.000	80	
	60.000		100.00% Pervious Area

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

Subcatchment 3S: PRE - 17



Summary for Subcatchment 4S: POST - 17

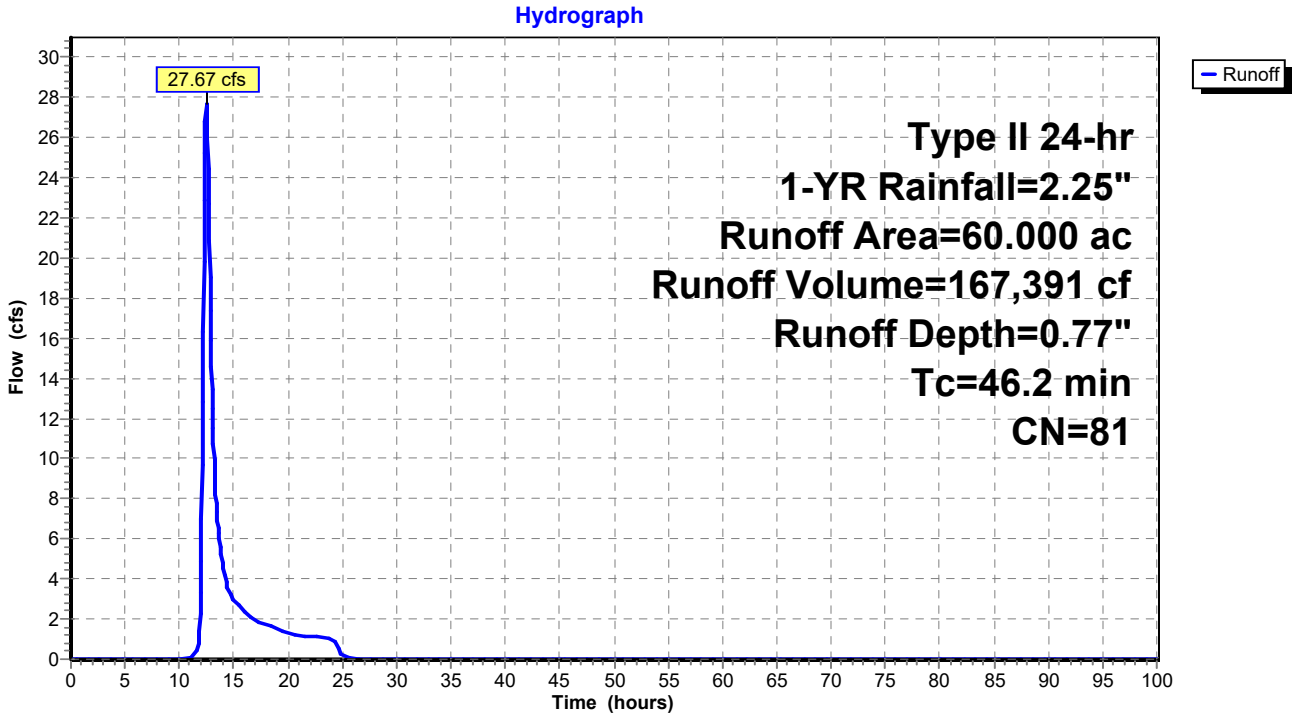
Runoff = 27.67 cfs @ 12.48 hrs, Volume= 167,391 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	60.000	81	
	60.000		100.00% Pervious Area

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

Subcatchment 4S: POST - 17



Summary for Subcatchment 5S: PRE - 18

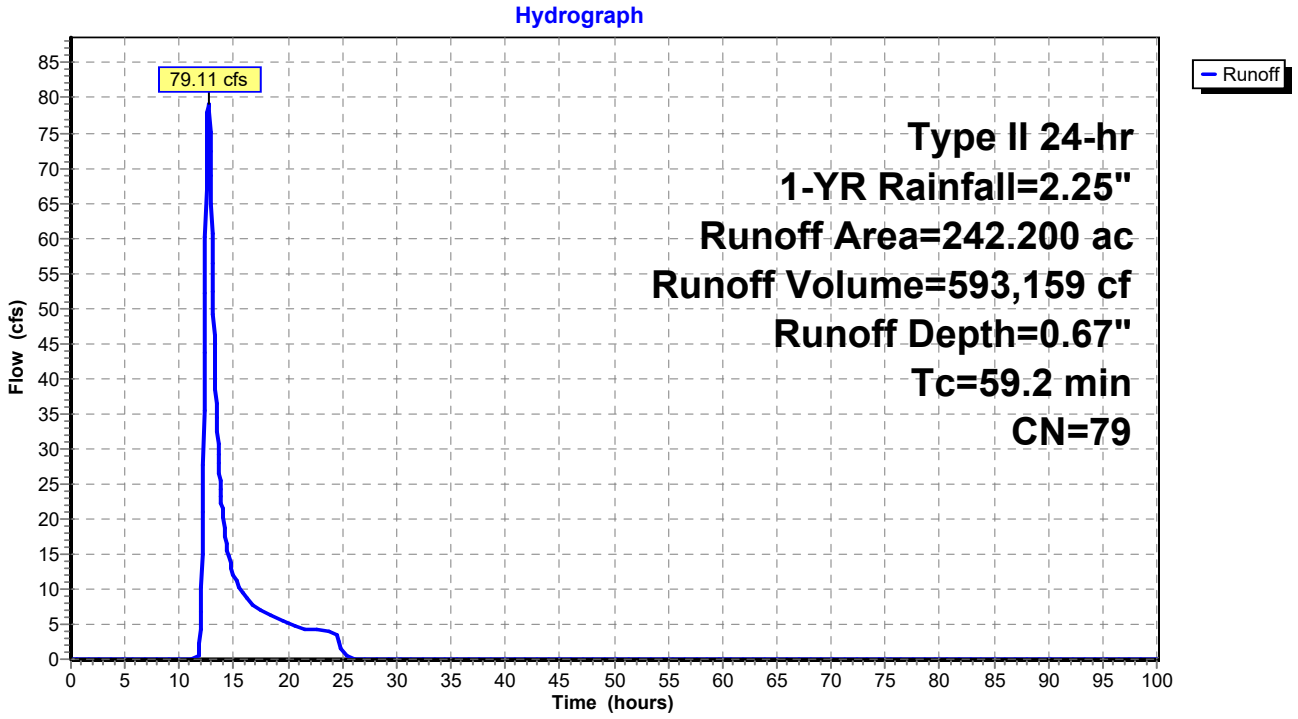
Runoff = 79.11 cfs @ 12.68 hrs, Volume= 593,159 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	242.200	79	
	242.200		100.00% Pervious Area

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

Subcatchment 5S: PRE - 18



Summary for Subcatchment 6S: POST - 18

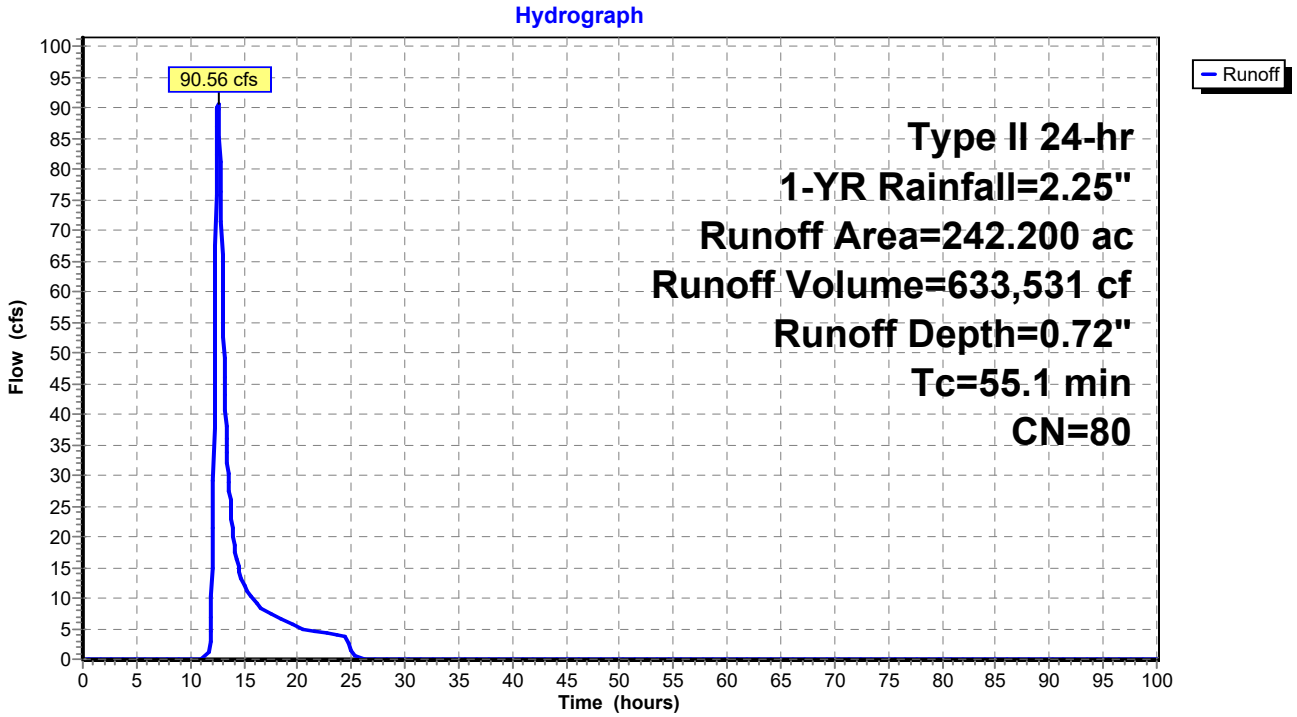
Runoff = 90.56 cfs @ 12.60 hrs, Volume= 633,531 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	242.200	80	
	242.200		100.00% Pervious Area

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

Subcatchment 6S: POST - 18



Summary for Subcatchment 7S: PRE - 19

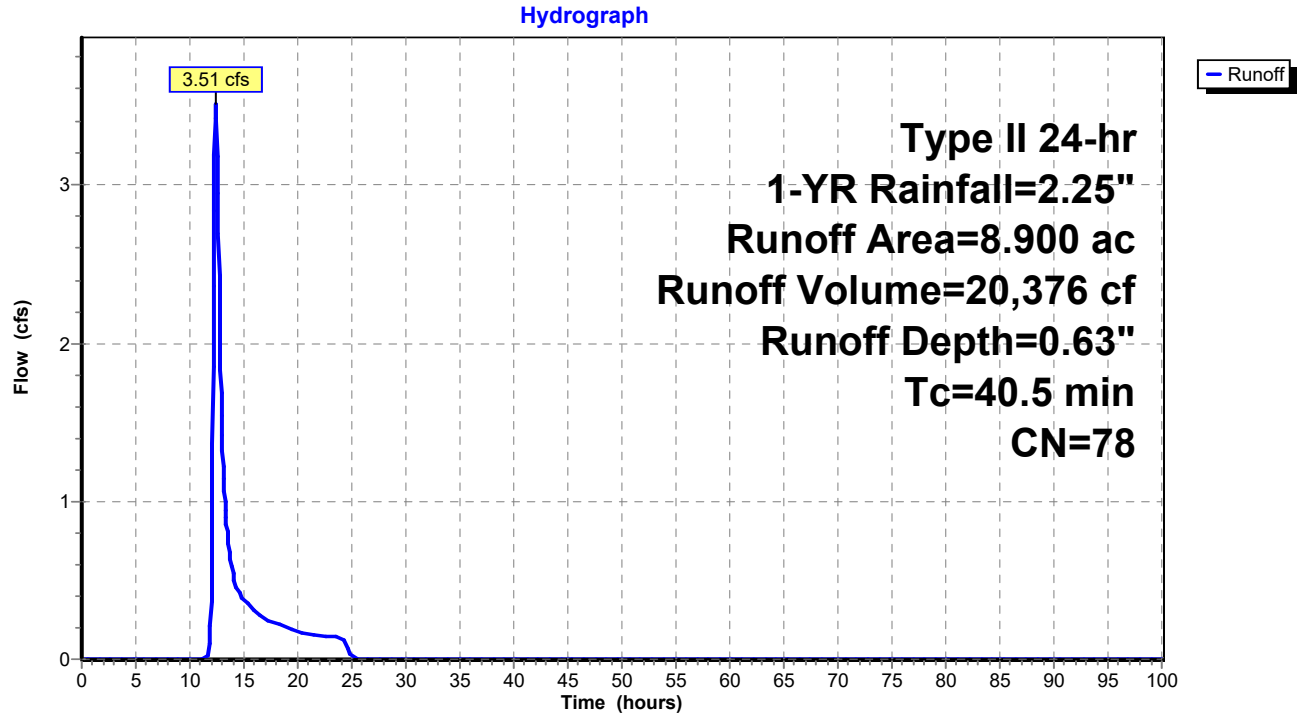
Runoff = 3.51 cfs @ 12.42 hrs, Volume= 20,376 cf, Depth= 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	8.900	78	
	8.900		100.00% Pervious Area

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

Subcatchment 7S: PRE - 19



Summary for Subcatchment 8S: POST - 19

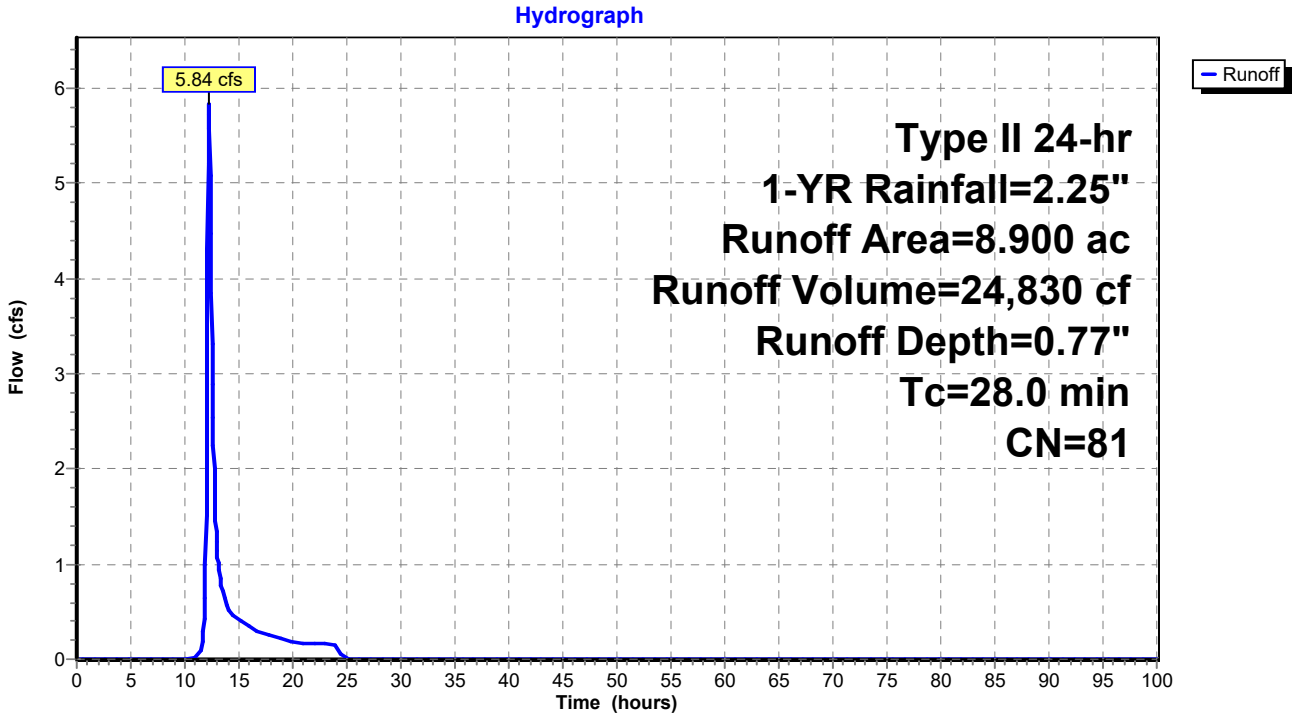
Runoff = 5.84 cfs @ 12.24 hrs, Volume= 24,830 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	8.900	81	
	8.900		100.00% Pervious Area

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

Subcatchment 8S: POST - 19



Summary for Subcatchment 9S: PRE - 20

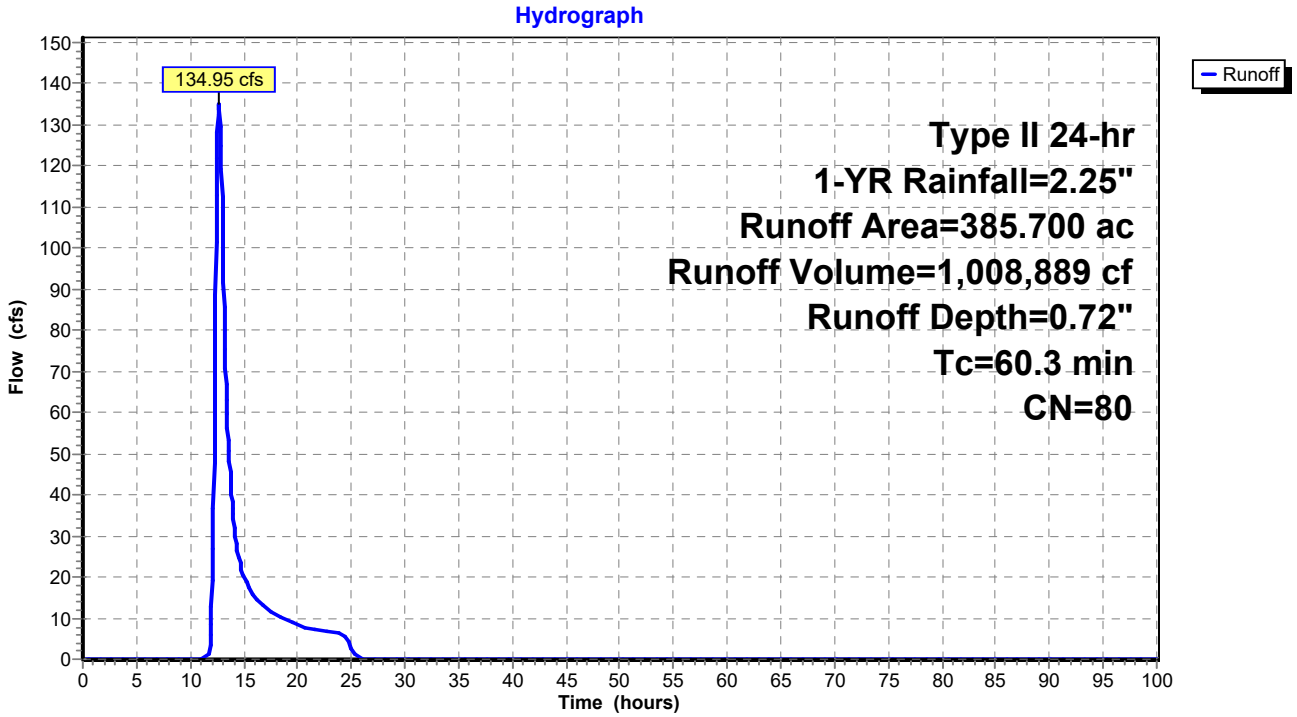
Runoff = 134.95 cfs @ 12.67 hrs, Volume= 1,008,889 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	385.700	80	
	385.700		100.00% Pervious Area

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

Subcatchment 9S: PRE - 20



Summary for Subcatchment 10S: POST - 20

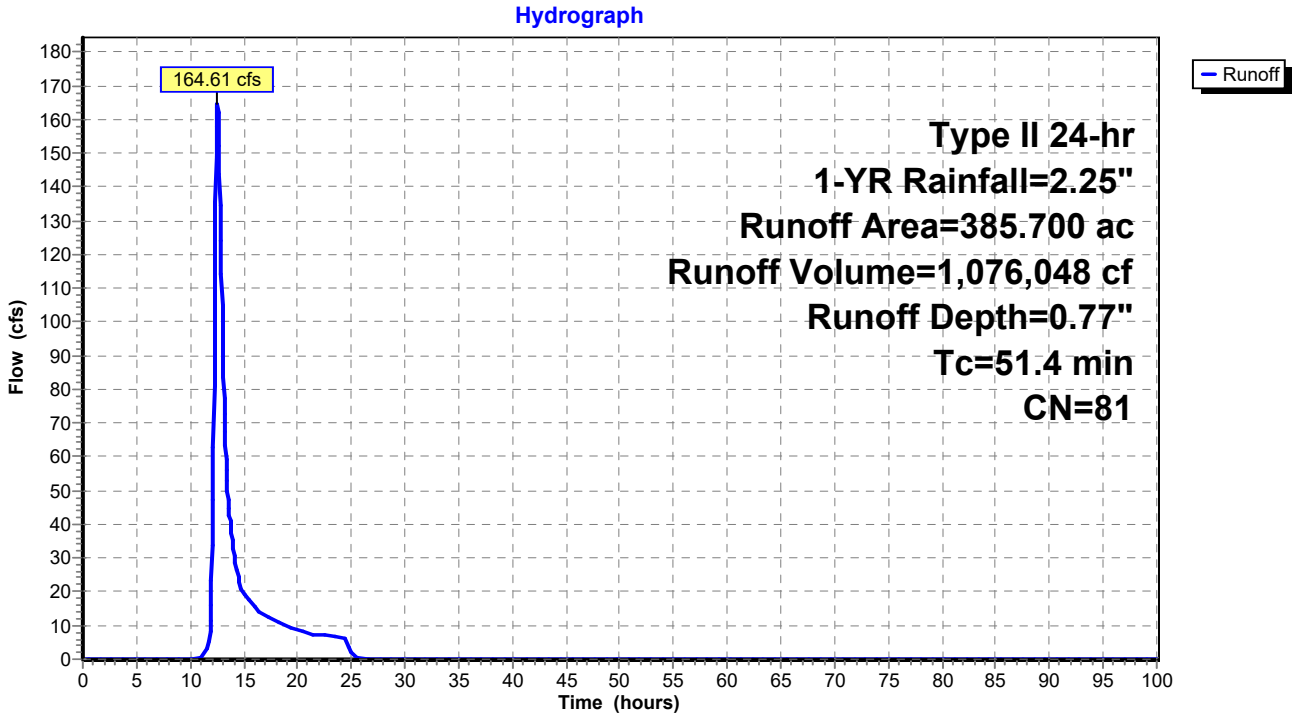
Runoff = 164.61 cfs @ 12.55 hrs, Volume= 1,076,048 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	385.700	81	
	385.700		100.00% Pervious Area

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

Subcatchment 10S: POST - 20



Summary for Subcatchment 11S: PRE - 21

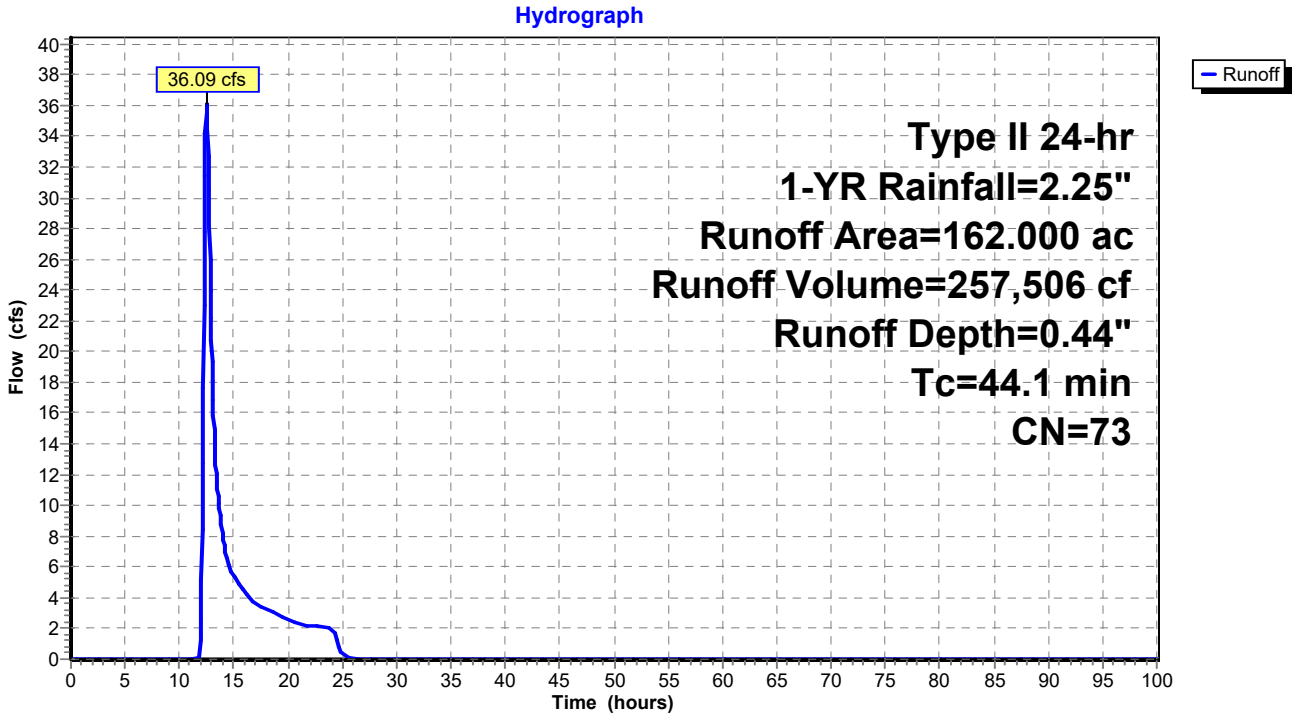
Runoff = 36.09 cfs @ 12.50 hrs, Volume= 257,506 cf, Depth= 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	162.000	73	
	162.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 21



Summary for Subcatchment 12S: POST - 21

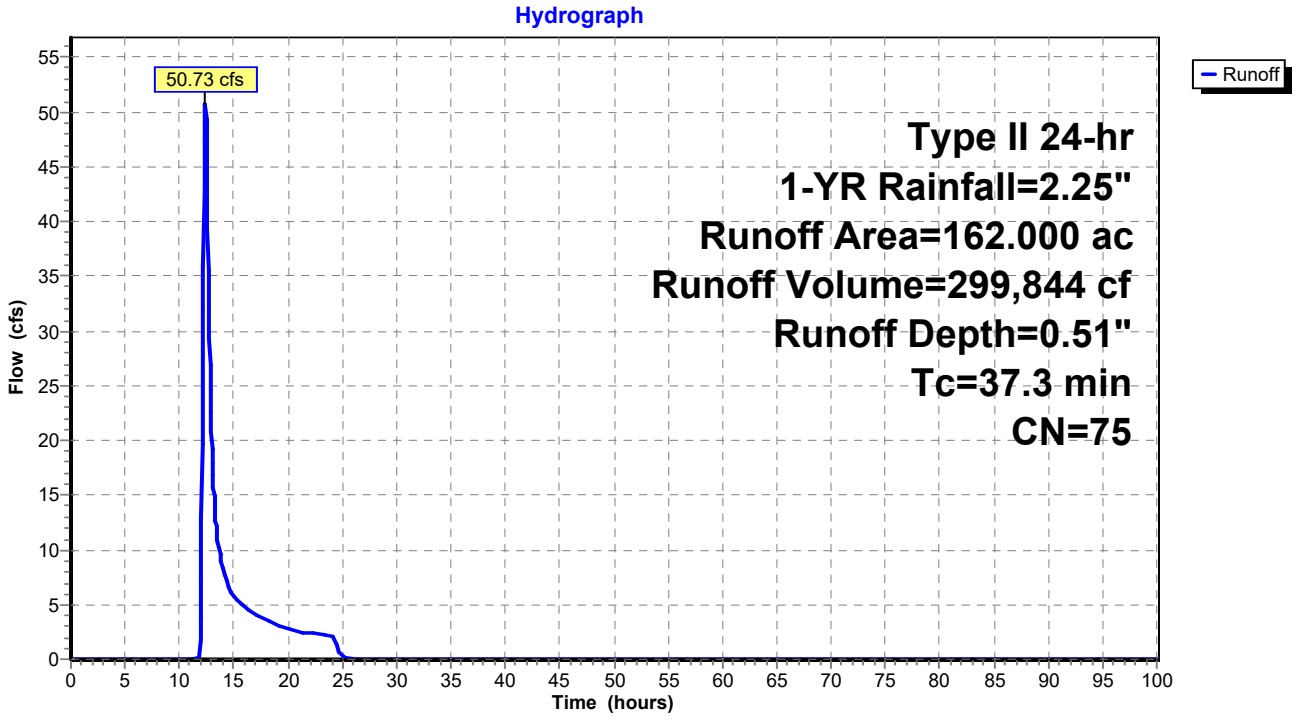
Runoff = 50.73 cfs @ 12.39 hrs, Volume= 299,844 cf, Depth= 0.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	162.000	75	
	162.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 21



Summary for Subcatchment 13S: PRE - 22

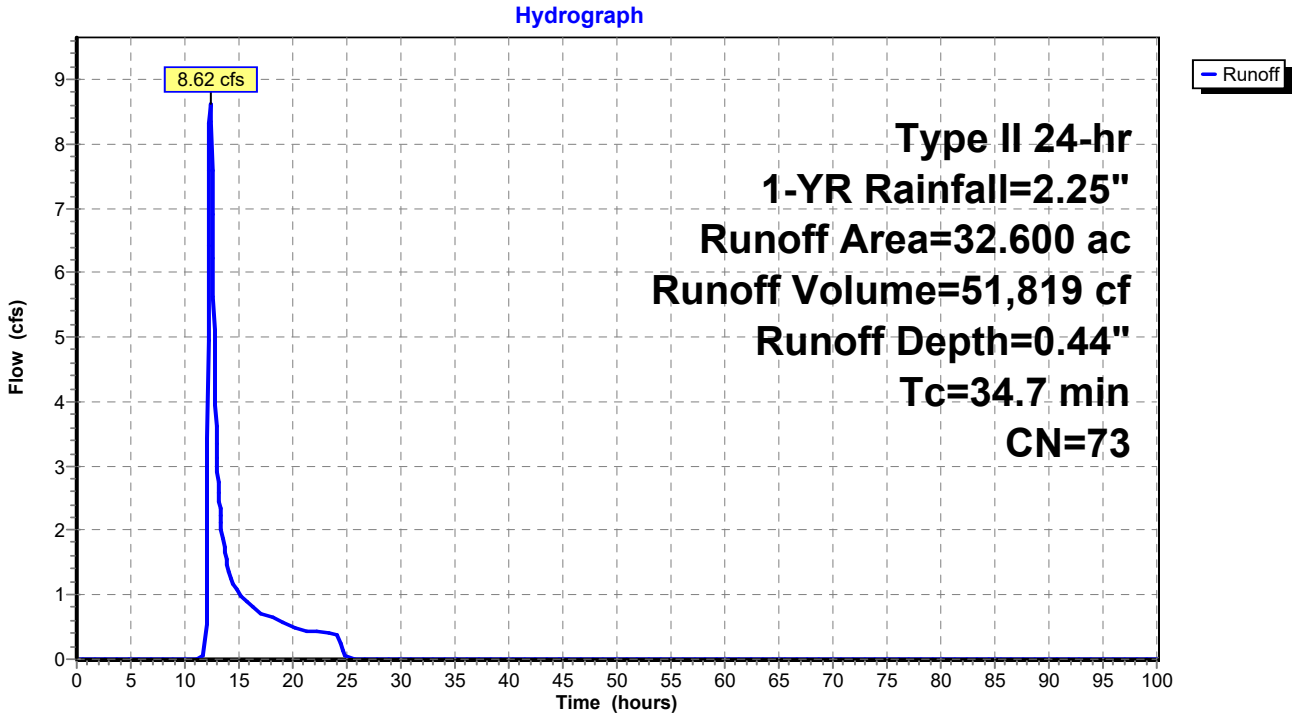
Runoff = 8.62 cfs @ 12.37 hrs, Volume= 51,819 cf, Depth= 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	32.600	73	
	32.600		100.00% Pervious Area

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

Subcatchment 13S: PRE - 22



Summary for Subcatchment 14S: POST - 22

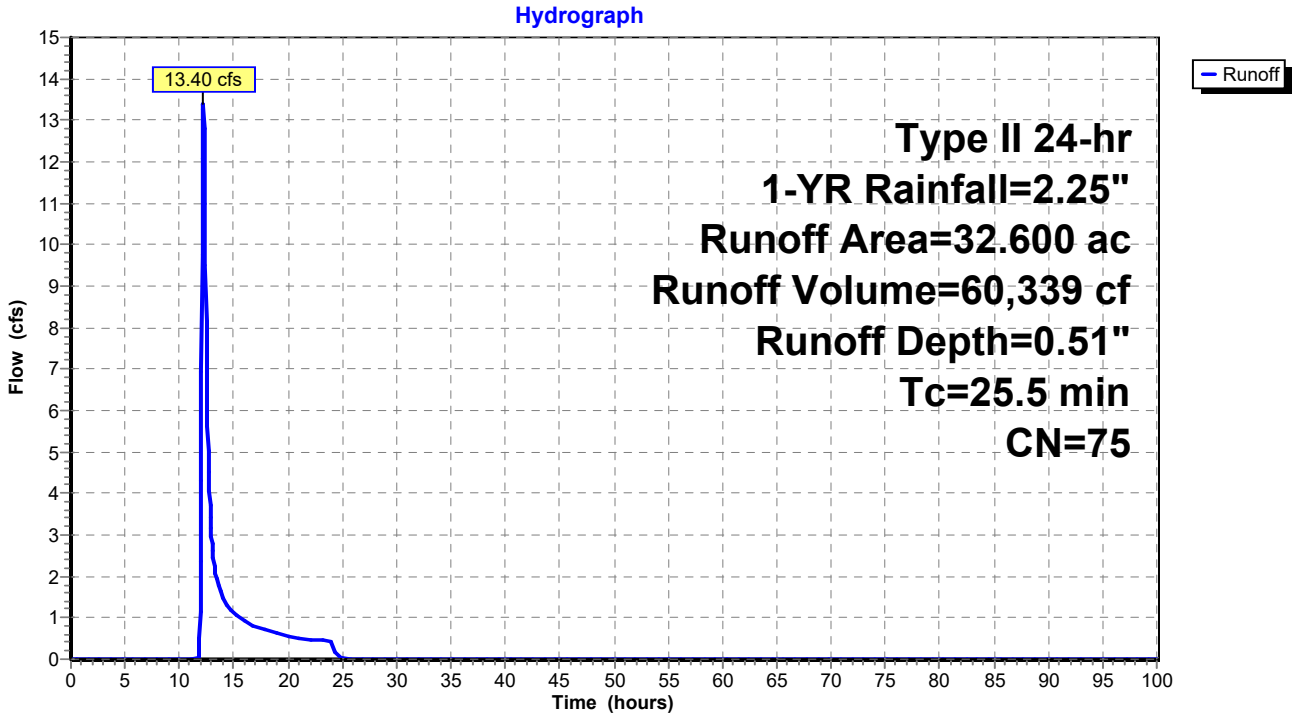
Runoff = 13.40 cfs @ 12.22 hrs, Volume= 60,339 cf, Depth= 0.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	32.600	75	
	32.600		100.00% Pervious Area

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

Subcatchment 14S: POST - 22



Summary for Subcatchment 15S: PRE - 23

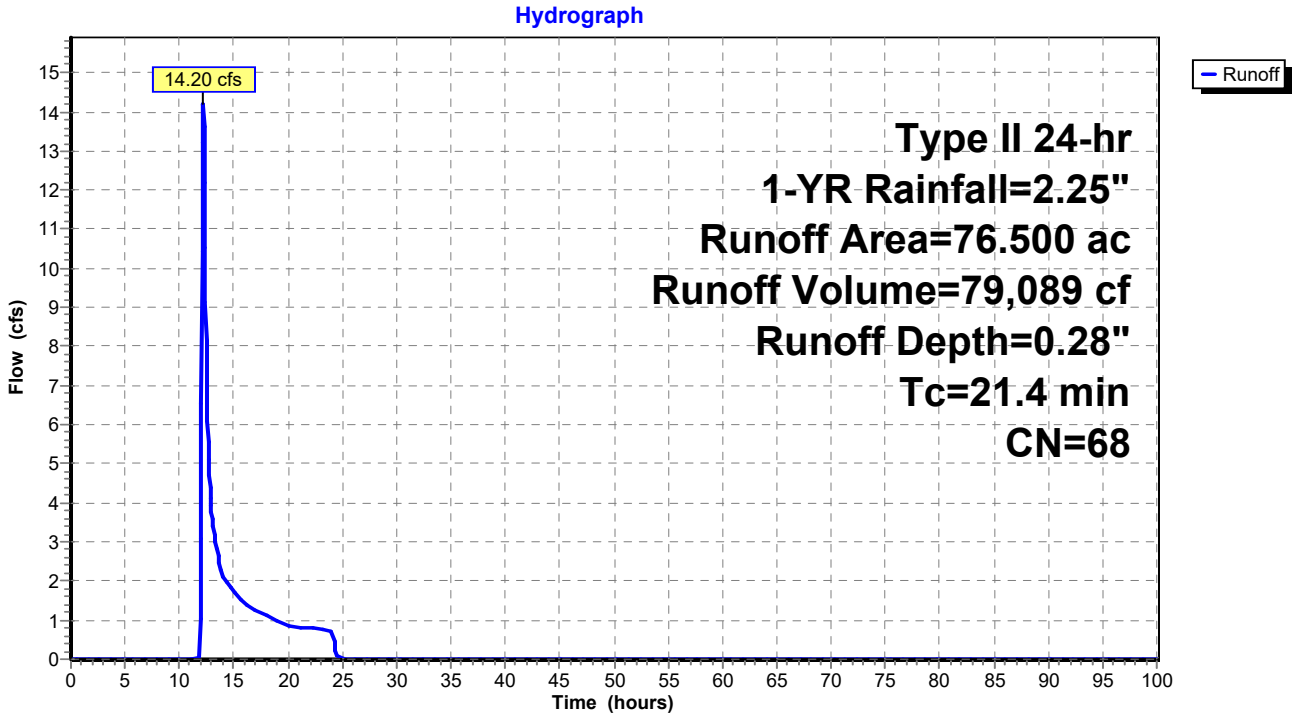
Runoff = 14.20 cfs @ 12.21 hrs, Volume= 79,089 cf, Depth= 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	76.500	68	
	76.500		100.00% Pervious Area

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

Subcatchment 15S: PRE - 23



Summary for Subcatchment 16S: POST - 23

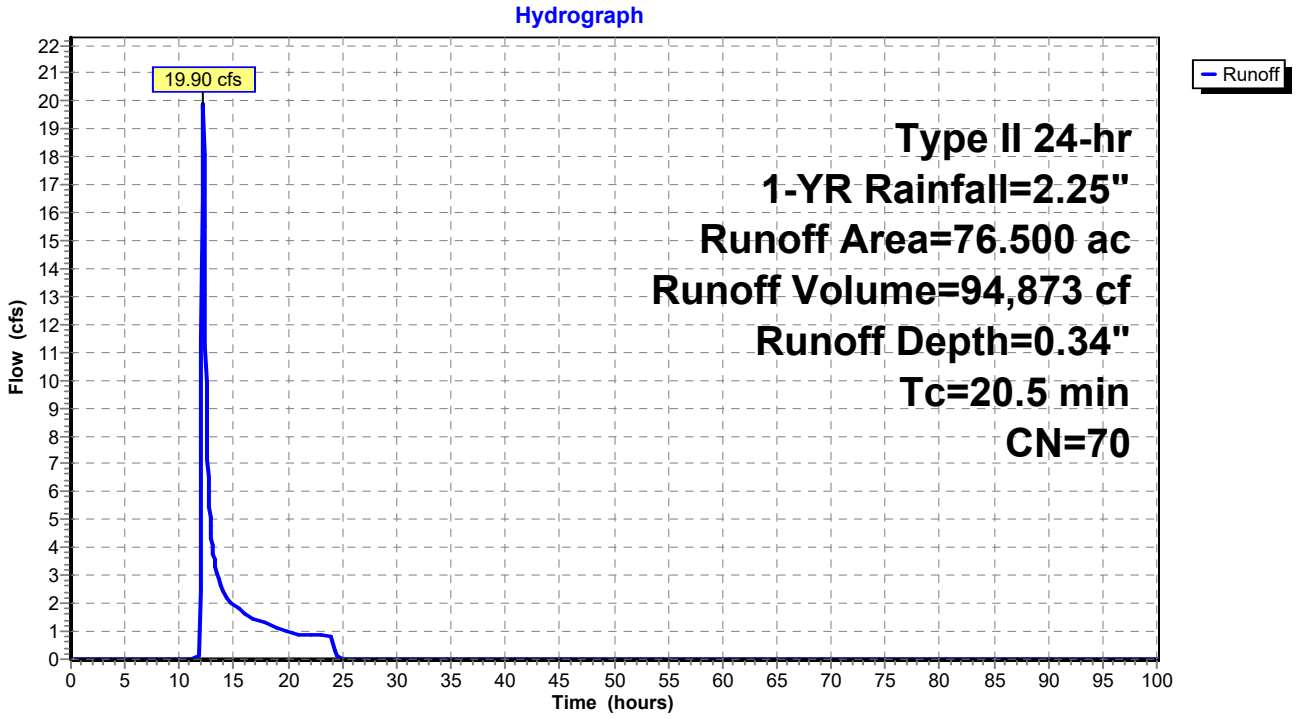
Runoff = 19.90 cfs @ 12.18 hrs, Volume= 94,873 cf, Depth= 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	76.500	70	
	76.500		100.00% Pervious Area

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

Subcatchment 16S: POST - 23



Summary for Subcatchment 17S: PRE - 24

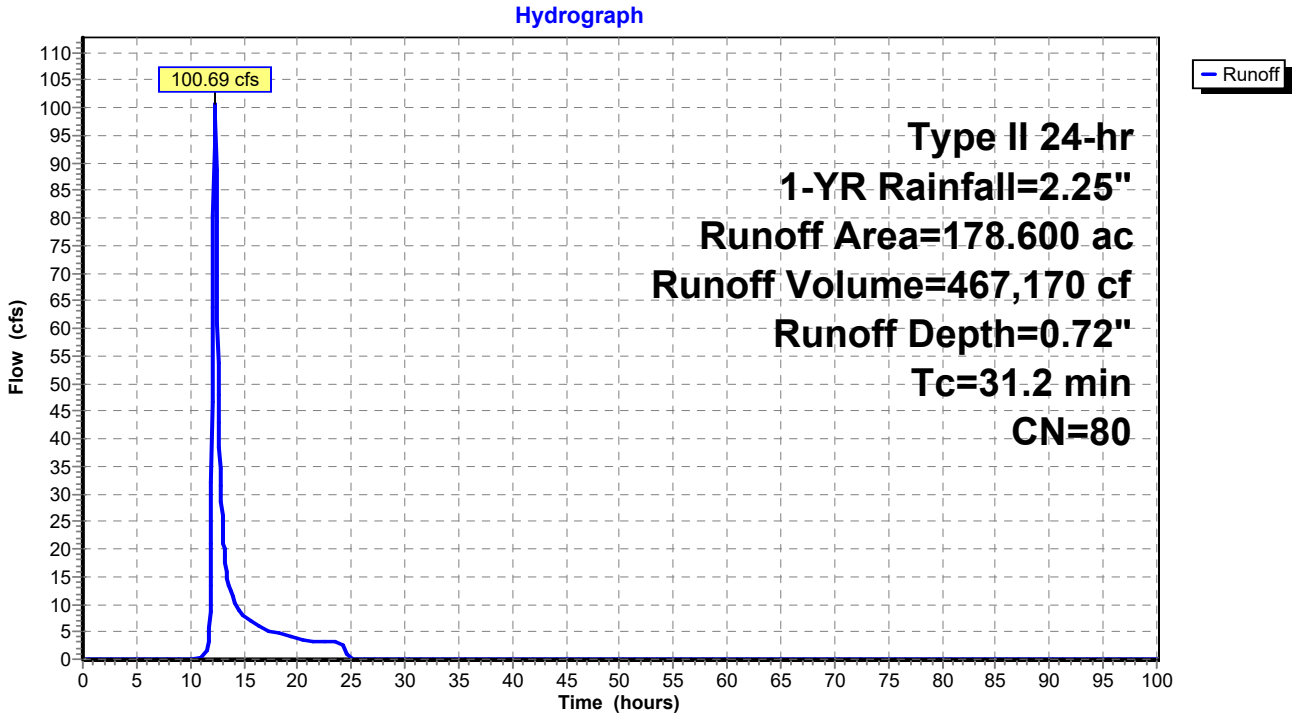
Runoff = 100.69 cfs @ 12.28 hrs, Volume= 467,170 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 17S: PRE - 24



Summary for Subcatchment 18S: POST - 24

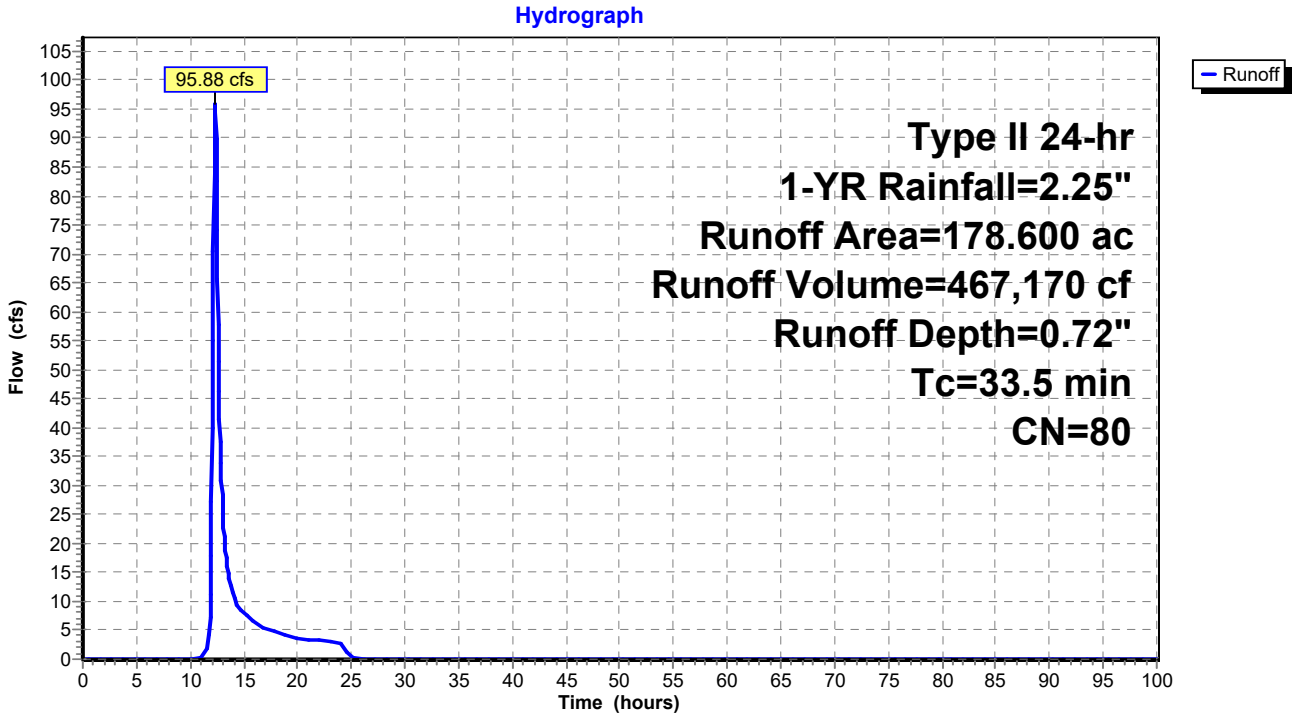
Runoff = 95.88 cfs @ 12.31 hrs, Volume= 467,170 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 18S: POST - 24



Summary for Subcatchment 19S: PRE - 25

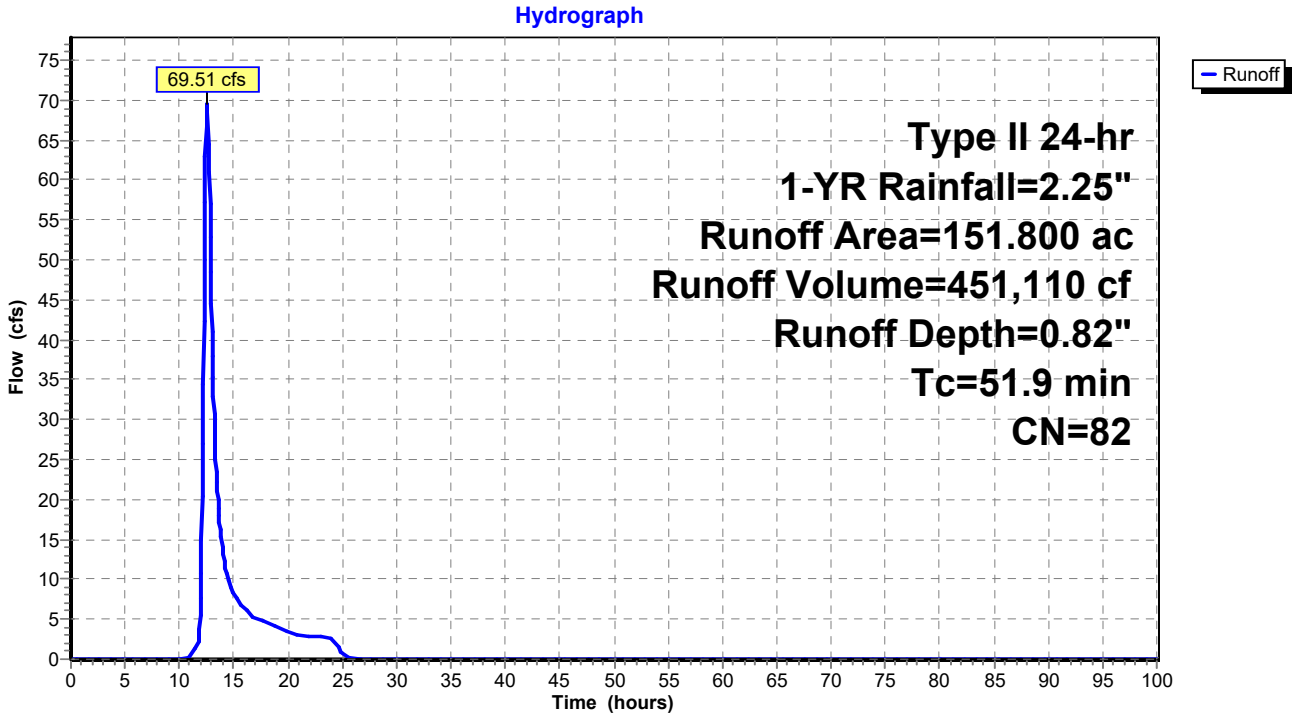
Runoff = 69.51 cfs @ 12.55 hrs, Volume= 451,110 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 19S: PRE - 25



Summary for Subcatchment 20S: POST - 25

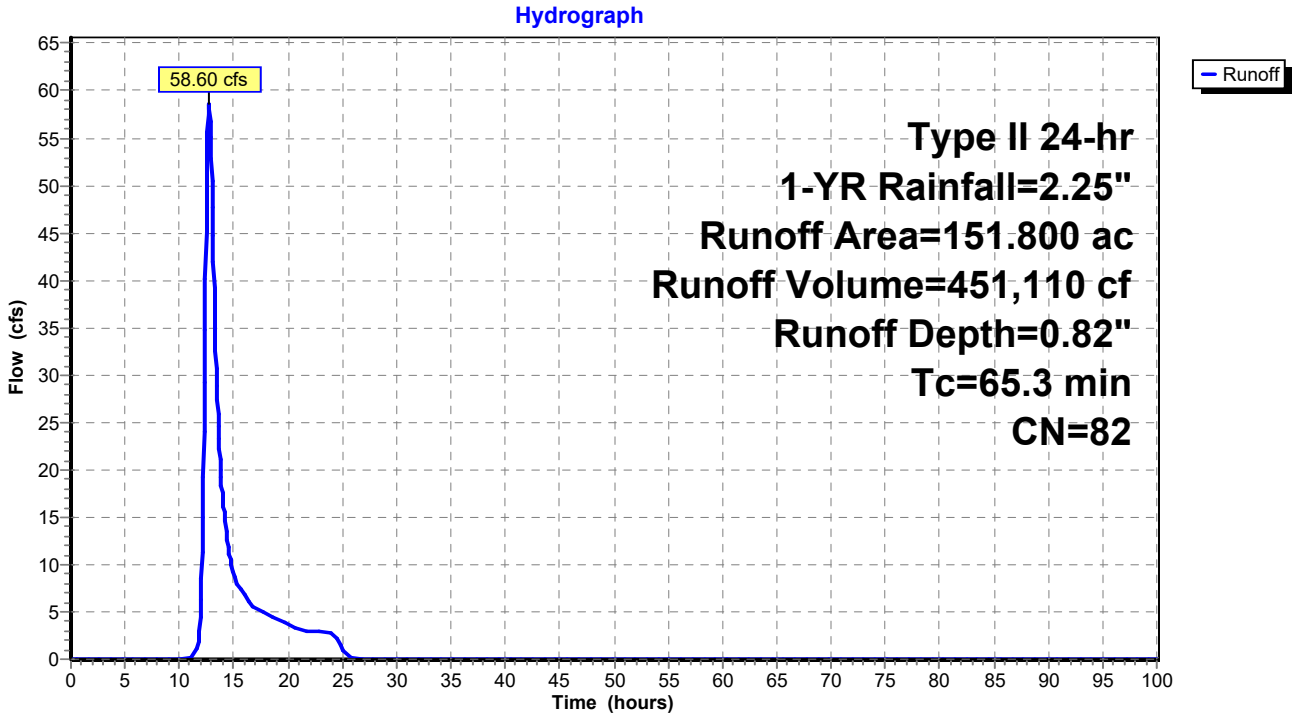
Runoff = 58.60 cfs @ 12.72 hrs, Volume= 451,110 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 20S: POST - 25



Summary for Subcatchment 21S: PRE - 26

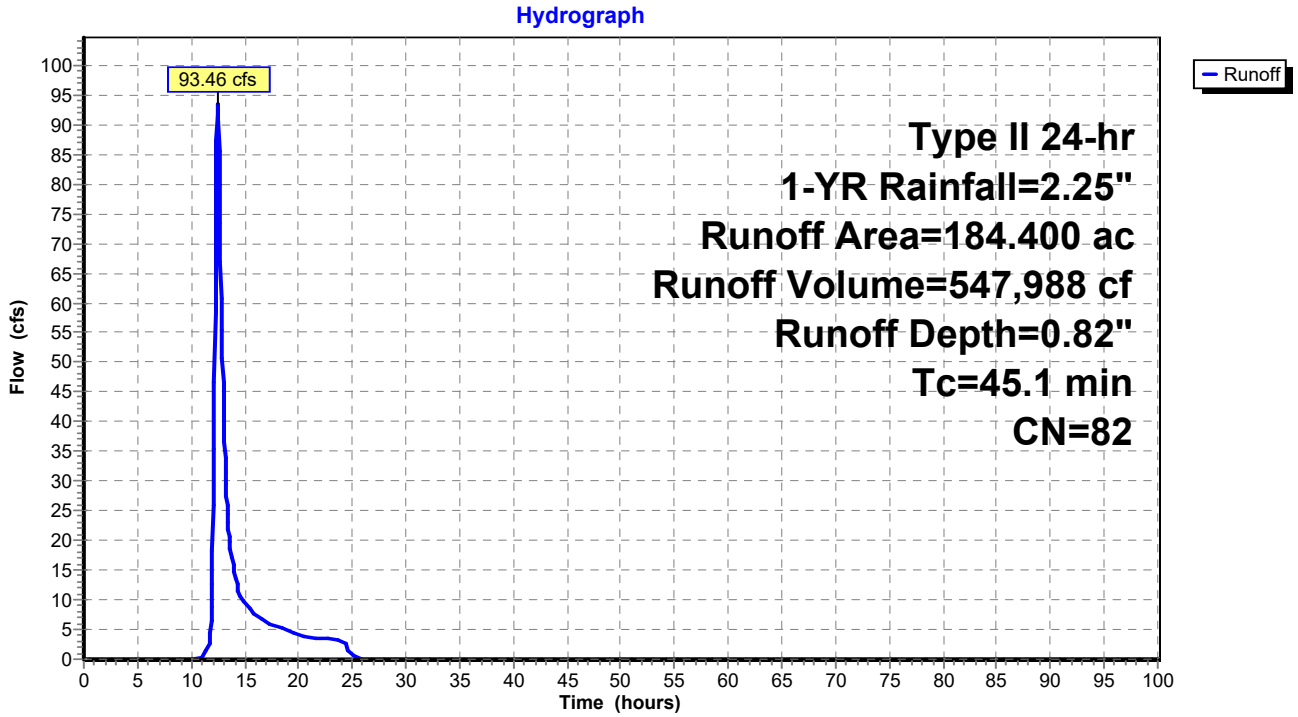
Runoff = 93.46 cfs @ 12.46 hrs, Volume= 547,988 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	184.400	82	
	184.400		100.00% Pervious Area

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

Subcatchment 21S: PRE - 26



Summary for Subcatchment 22S: POST - 26

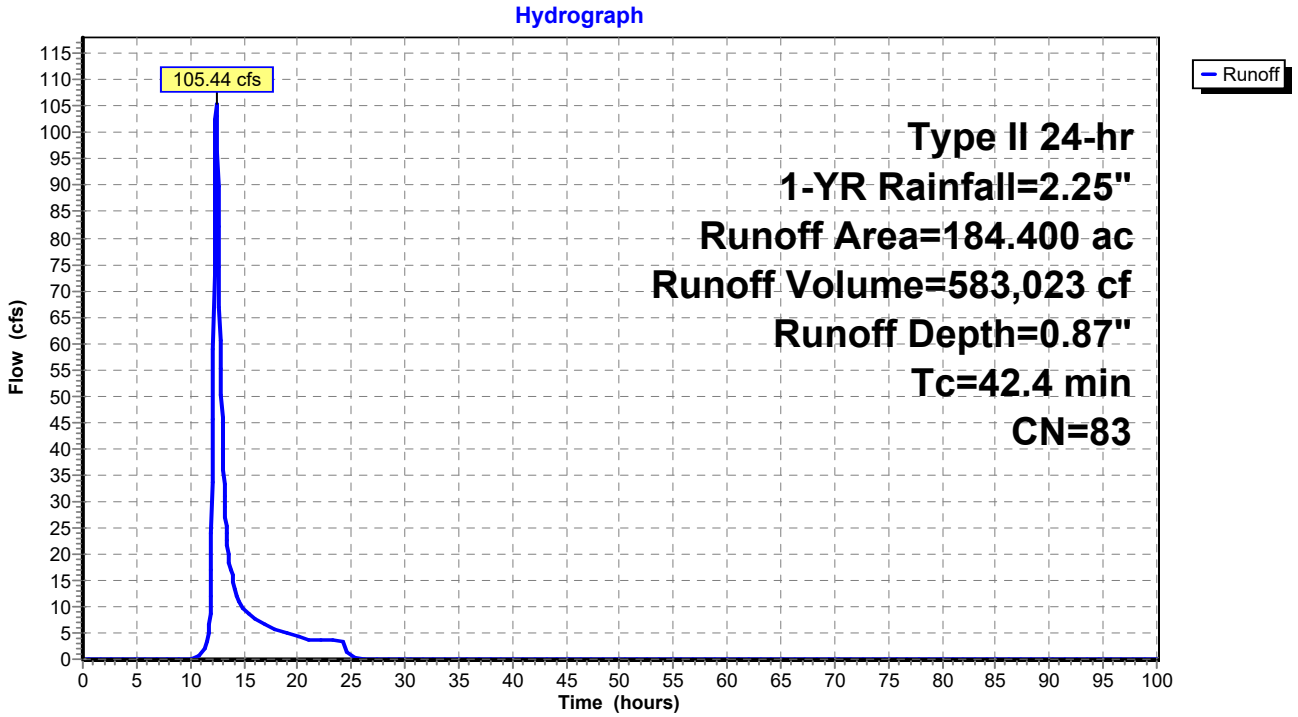
Runoff = 105.44 cfs @ 12.42 hrs, Volume= 583,023 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	184.400	83	
	184.400		100.00% Pervious Area

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

Subcatchment 22S: POST - 26



Summary for Subcatchment 23S: PRE - 27

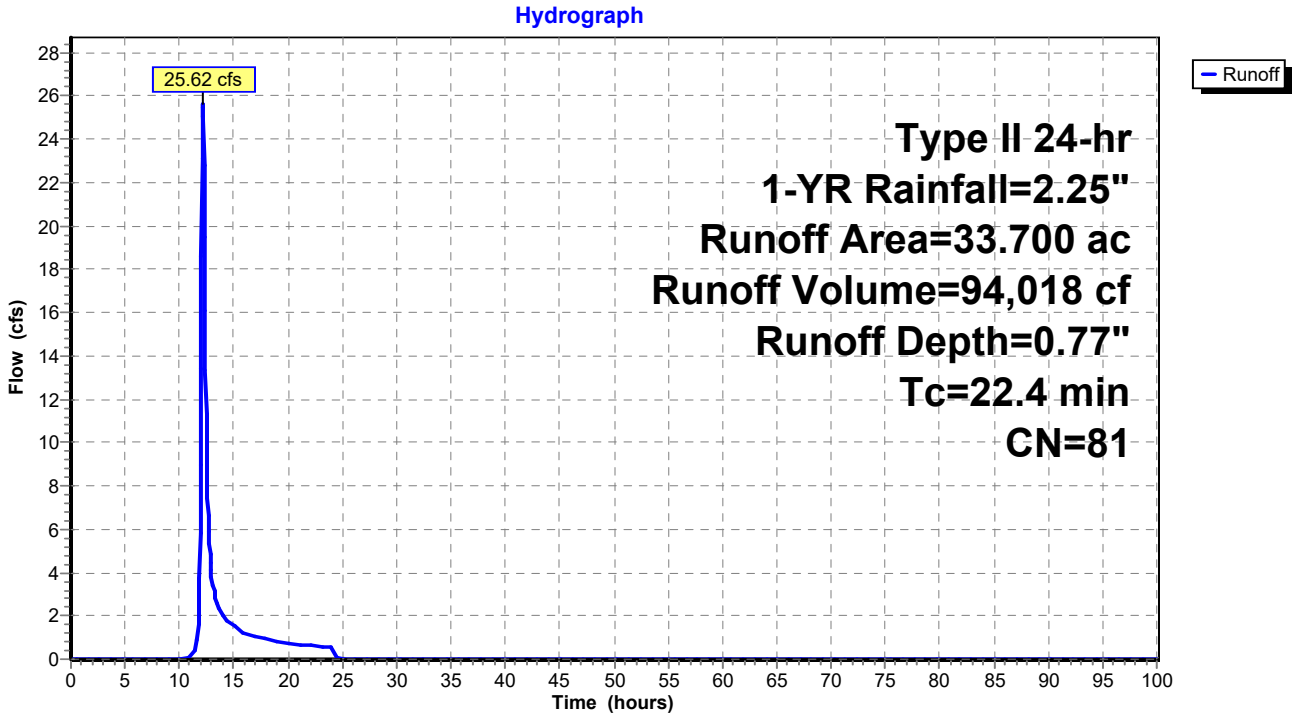
Runoff = 25.62 cfs @ 12.17 hrs, Volume= 94,018 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	33.700	81	
	33.700		100.00% Pervious Area

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

Subcatchment 23S: PRE - 27



Summary for Subcatchment 24S: POST - 27

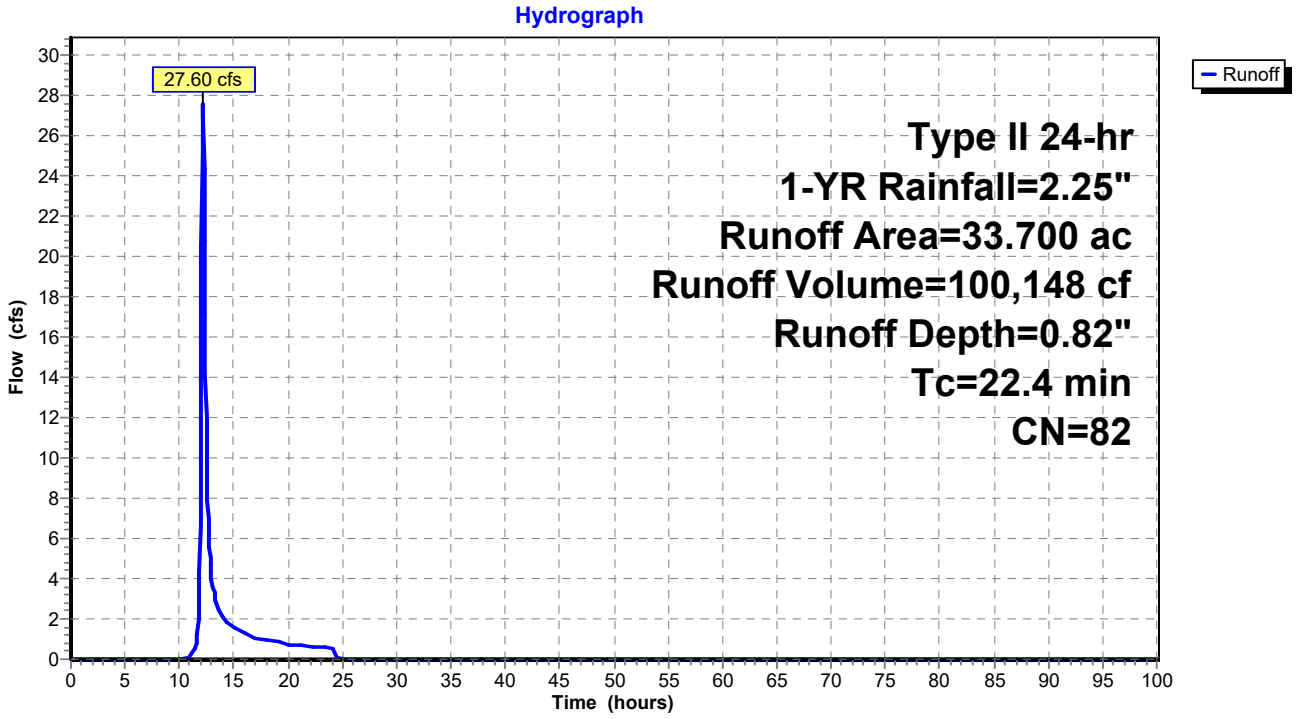
Runoff = 27.60 cfs @ 12.17 hrs, Volume= 100,148 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	33.700	82	
	33.700		100.00% Pervious Area

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

Subcatchment 24S: POST - 27



Summary for Subcatchment 25S: PRE - 28

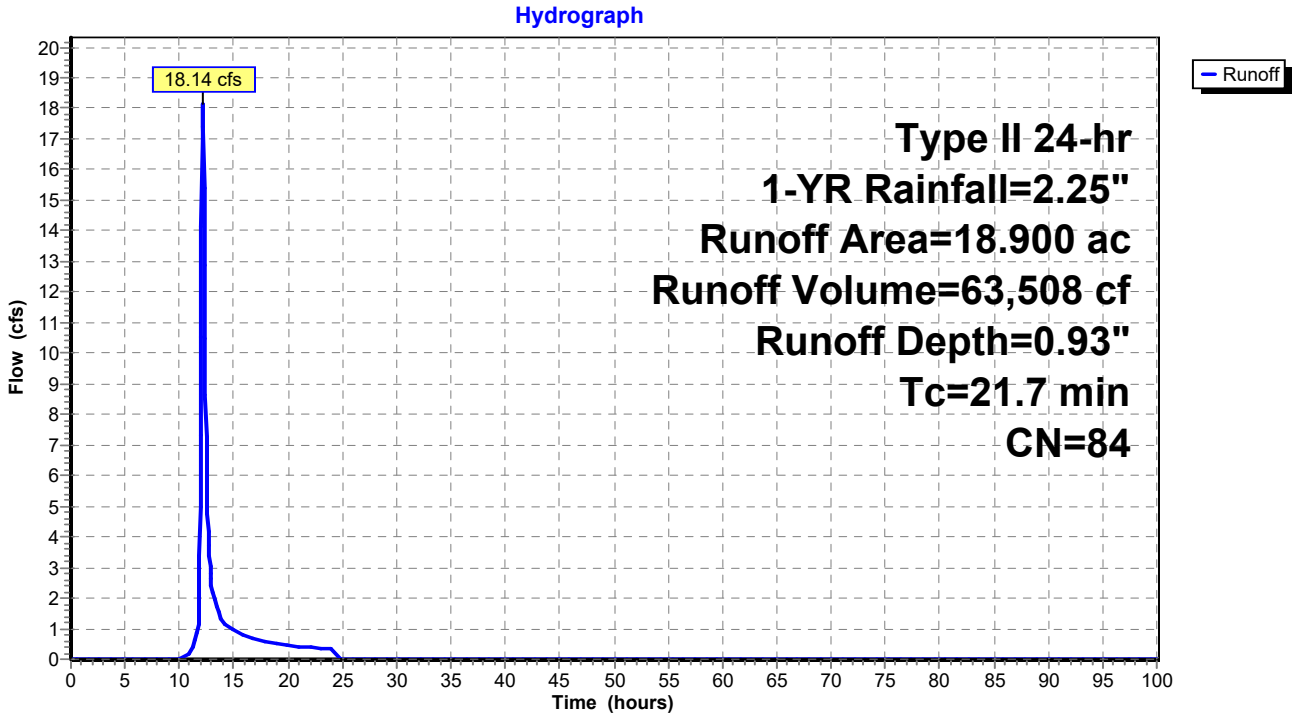
Runoff = 18.14 cfs @ 12.16 hrs, Volume= 63,508 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 25S: PRE - 28



Summary for Subcatchment 26S: POST - 28

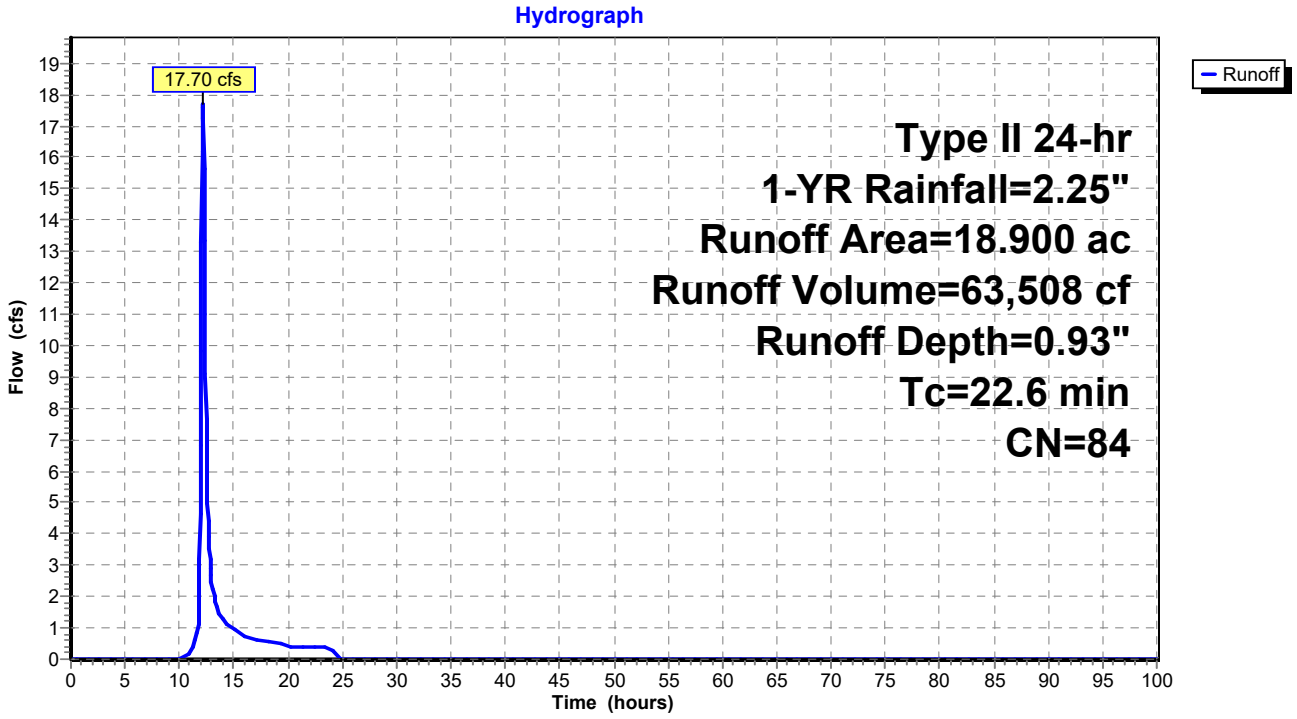
Runoff = 17.70 cfs @ 12.17 hrs, Volume= 63,508 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 26S: POST - 28



Summary for Subcatchment 27S: PRE - 29

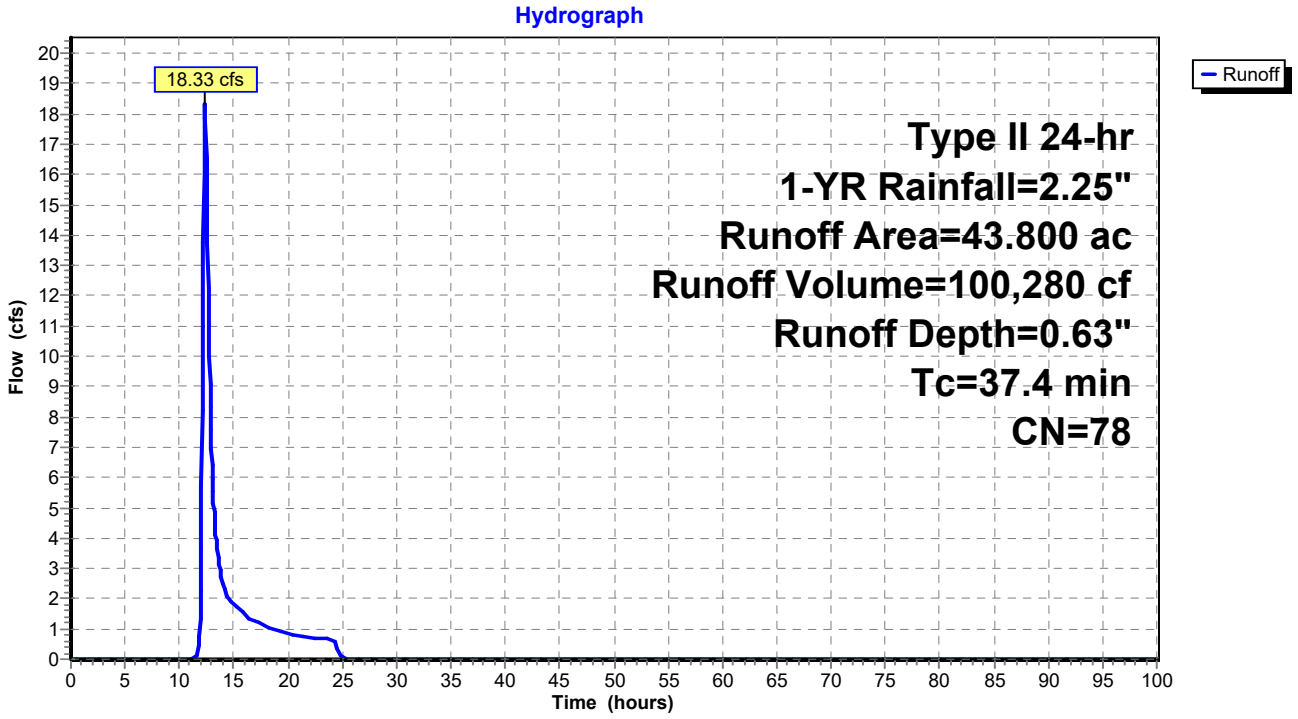
Runoff = 18.33 cfs @ 12.37 hrs, Volume= 100,280 cf, Depth= 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	43.800	78	
	43.800		100.00% Pervious Area

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

Subcatchment 27S: PRE - 29



Summary for Subcatchment 28S: POST - 29

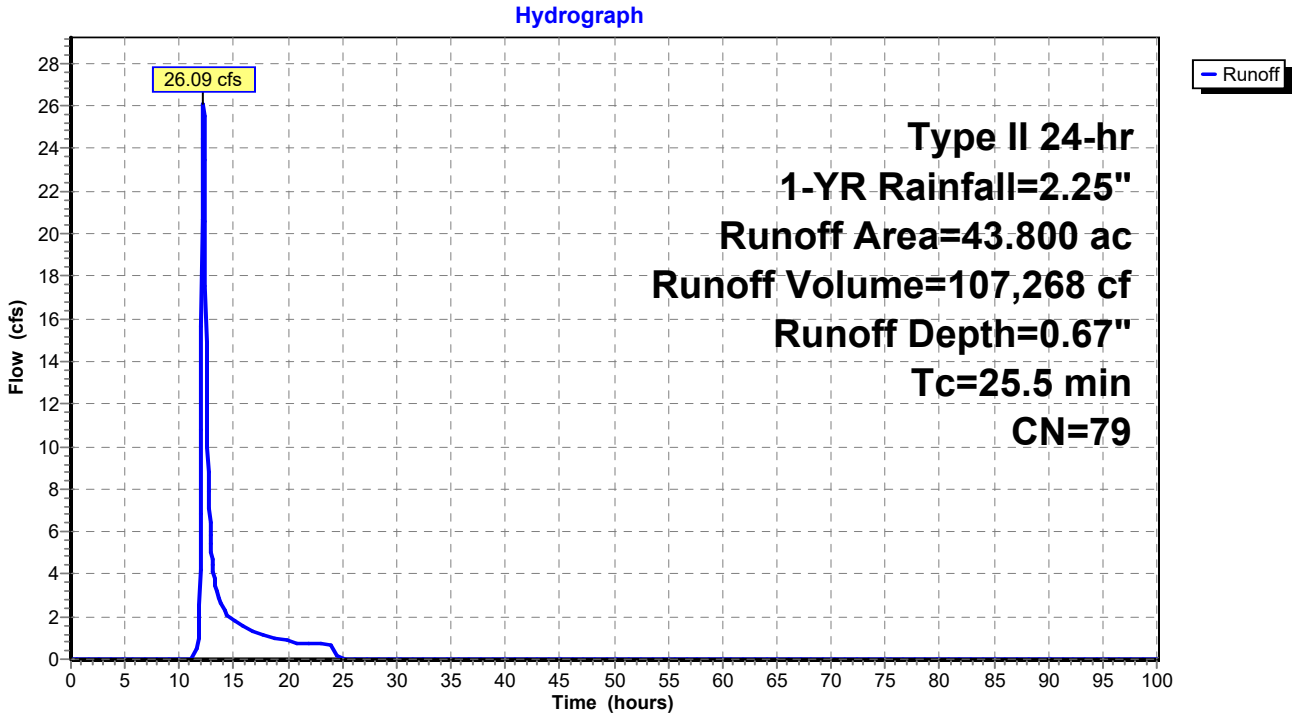
Runoff = 26.09 cfs @ 12.21 hrs, Volume= 107,268 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	43.800	79	
	43.800		100.00% Pervious Area

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

Subcatchment 28S: POST - 29



Summary for Subcatchment 29S: PRE - 30

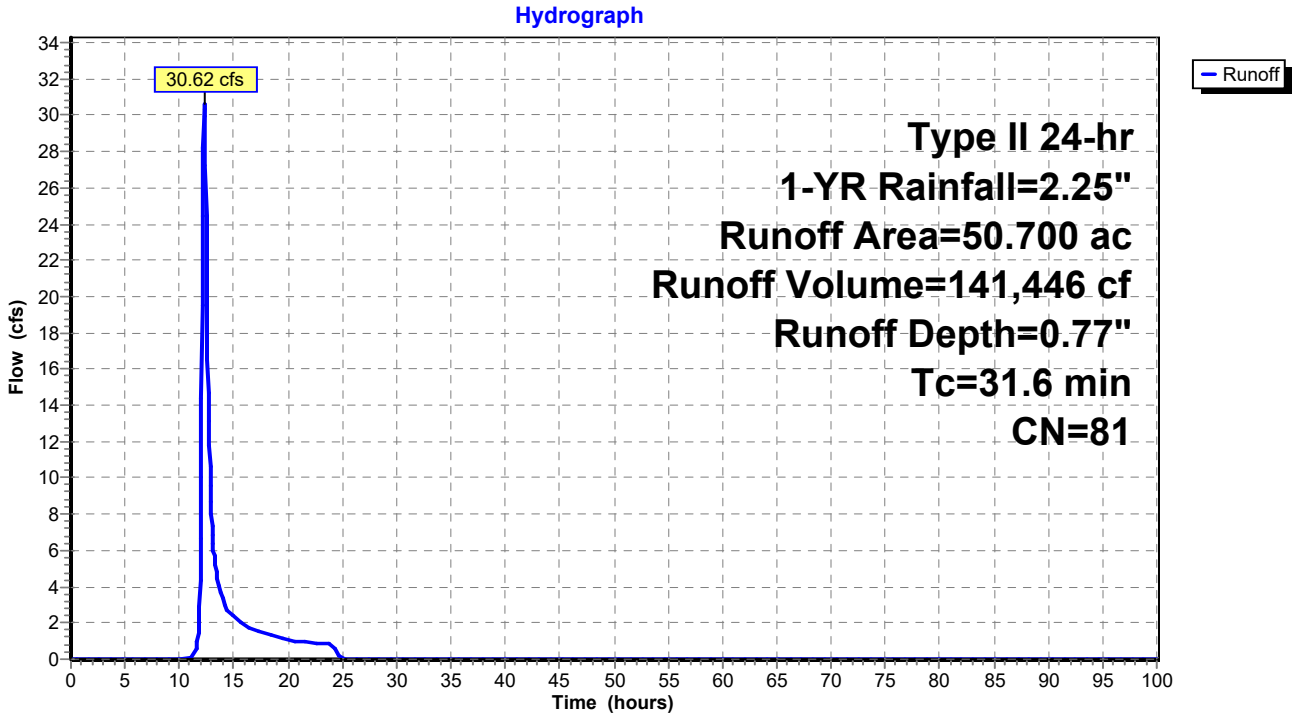
Runoff = 30.62 cfs @ 12.28 hrs, Volume= 141,446 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	50.700	81	
	50.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 30



Summary for Subcatchment 30S: POST - 30

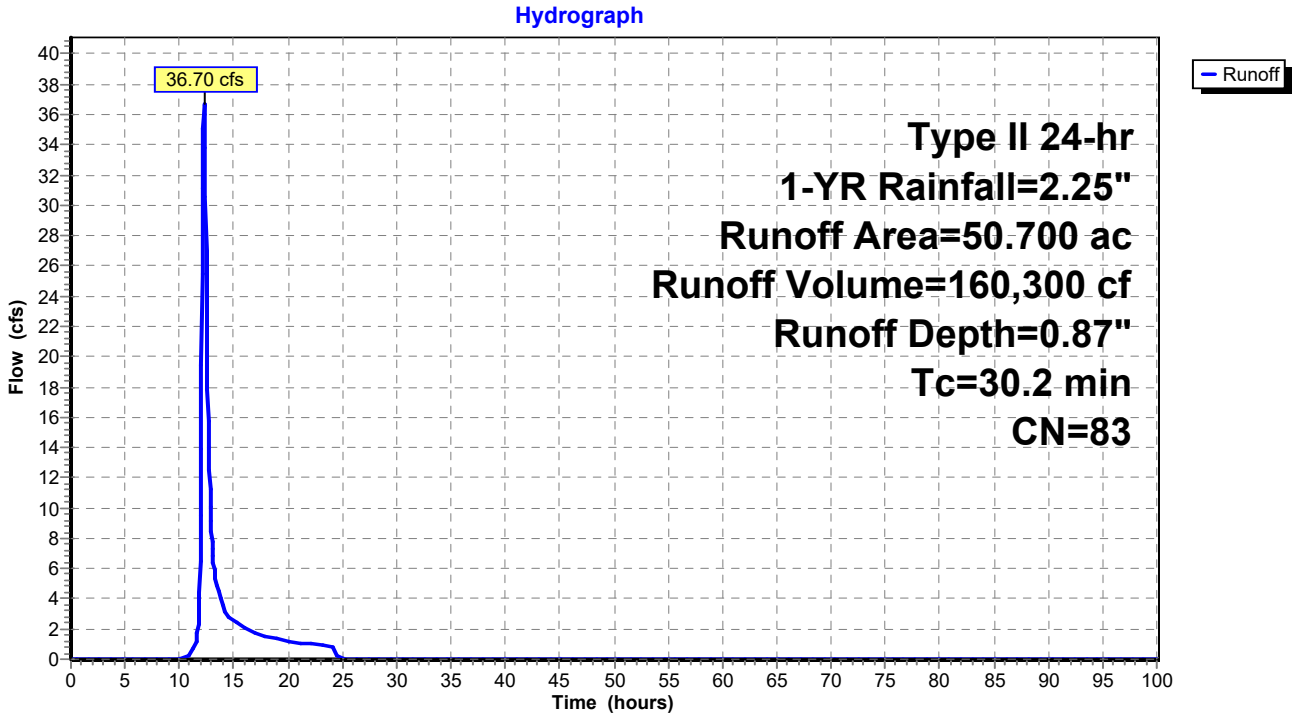
Runoff = 36.70 cfs @ 12.26 hrs, Volume= 160,300 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	50.700	83	
	50.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 30



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=1.21"
Tc=54.4 min CN=83 Runoff=39.47 cfs 255,881 cf

Subcatchment2S: POST - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=1.21"
Tc=57.2 min CN=83 Runoff=38.03 cfs 255,881 cf

Subcatchment3S: PRE - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=1.03"
Tc=43.2 min CN=80 Runoff=39.87 cfs 224,288 cf

Subcatchment4S: POST - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=1.09"
Tc=46.2 min CN=81 Runoff=40.49 cfs 236,846 cf

Subcatchment5S: PRE - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=0.97"
Tc=59.2 min CN=79 Runoff=119.52 cfs 856,449 cf

Subcatchment6S: POST - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=1.03"
Tc=55.1 min CN=80 Runoff=134.74 cfs 905,375 cf

Subcatchment7S: PRE - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=0.92"
Tc=40.5 min CN=78 Runoff=5.41 cfs 29,737 cf

Subcatchment8S: POST - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=1.09"
Tc=28.0 min CN=81 Runoff=8.50 cfs 35,132 cf

Subcatchment9S: PRE - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=1.03"
Tc=60.3 min CN=80 Runoff=200.89 cfs 1,441,796 cf

Subcatchment10S: POST - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=1.09"
Tc=51.4 min CN=81 Runoff=240.95 cfs 1,522,527 cf

Subcatchment11S: PRE - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=0.68"
Tc=44.1 min CN=73 Runoff=62.35 cfs 399,322 cf

Subcatchment12S: POST - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=0.77"
Tc=37.3 min CN=75 Runoff=83.27 cfs 453,038 cf

Subcatchment13S: PRE - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=0.68"
Tc=34.7 min CN=73 Runoff=14.90 cfs 80,357 cf

Subcatchment14S: POST - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=0.77"
Tc=25.5 min CN=75 Runoff=21.88 cfs 91,167 cf

Subcatchment15S: PRE - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=0.48"
Tc=21.4 min CN=68 Runoff=29.65 cfs 132,881 cf

Subcatchment16S: POST - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=0.55"
Tc=20.5 min CN=70 Runoff=38.08 cfs 153,884 cf

Subcatchment17S: PRE - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=1.03"
Tc=31.2 min CN=80 Runoff=149.37 cfs 667,630 cf

Subcatchment18S: POST - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=1.03"
Tc=33.5 min CN=80 Runoff=142.13 cfs 667,630 cf

Subcatchment19S: PRE - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=1.15"
Tc=51.9 min CN=82 Runoff=100.22 cfs 632,143 cf

Subcatchment20S: POST - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=1.15"
Tc=65.3 min CN=82 Runoff=84.58 cfs 632,143 cf

Subcatchment21S: PRE - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=1.15"
Tc=45.1 min CN=82 Runoff=134.62 cfs 767,900 cf

Subcatchment22S: POST - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=1.21"
Tc=42.4 min CN=83 Runoff=149.72 cfs 809,339 cf

Subcatchment23S: PRE - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=1.09"
Tc=22.4 min CN=81 Runoff=37.20 cfs 133,029 cf

Subcatchment24S: POST - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=1.15"
Tc=22.4 min CN=82 Runoff=39.49 cfs 140,337 cf

Subcatchment25S: PRE - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=1.27"
Tc=21.7 min CN=84 Runoff=25.27 cfs 87,354 cf

Subcatchment26S: POST - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=1.27"
Tc=22.6 min CN=84 Runoff=24.67 cfs 87,354 cf

Subcatchment27S: PRE - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=0.92"
Tc=37.4 min CN=78 Runoff=28.19 cfs 146,344 cf

Subcatchment28S: POST - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=0.97"
Tc=25.5 min CN=79 Runoff=39.19 cfs 154,882 cf

Subcatchment29S: PRE - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=1.09"
Tc=31.6 min CN=81 Runoff=44.65 cfs 200,135 cf

Subcatchment30S: POST - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=1.21"
Tc=30.2 min CN=83 Runoff=51.96 cfs 222,524 cf

Total Runoff Area = 147,067,272 sf Runoff Volume = 12,423,304 cf Average Runoff Depth = 1.01"
100.00% Pervious = 147,067,272 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 16

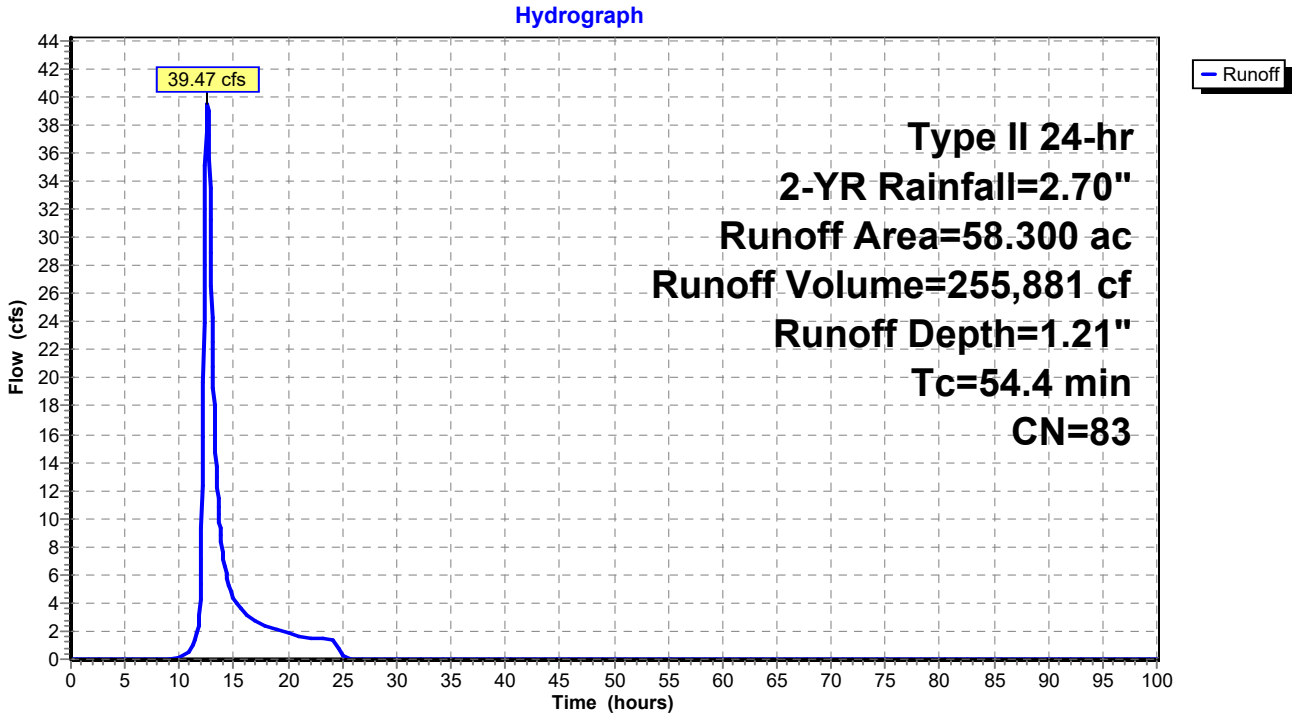
Runoff = 39.47 cfs @ 12.57 hrs, Volume= 255,881 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 16



Summary for Subcatchment 2S: POST - 16

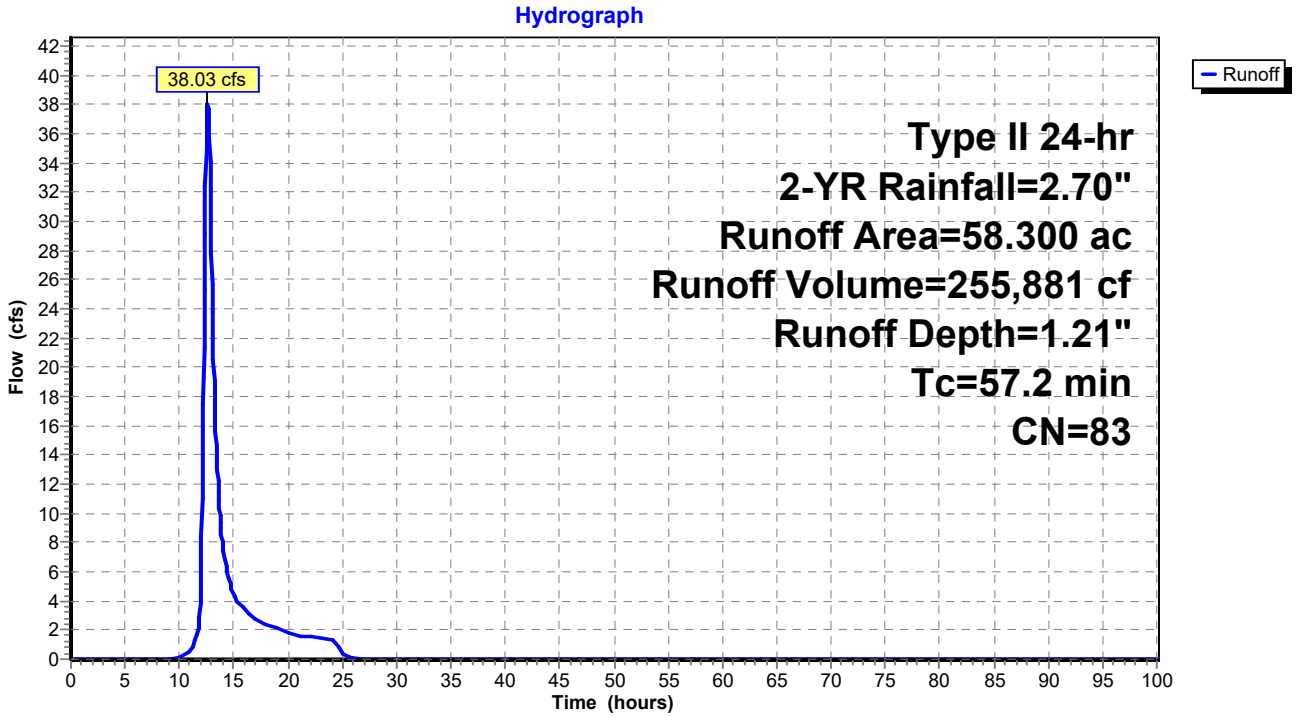
Runoff = 38.03 cfs @ 12.61 hrs, Volume= 255,881 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 16



Summary for Subcatchment 3S: PRE - 17

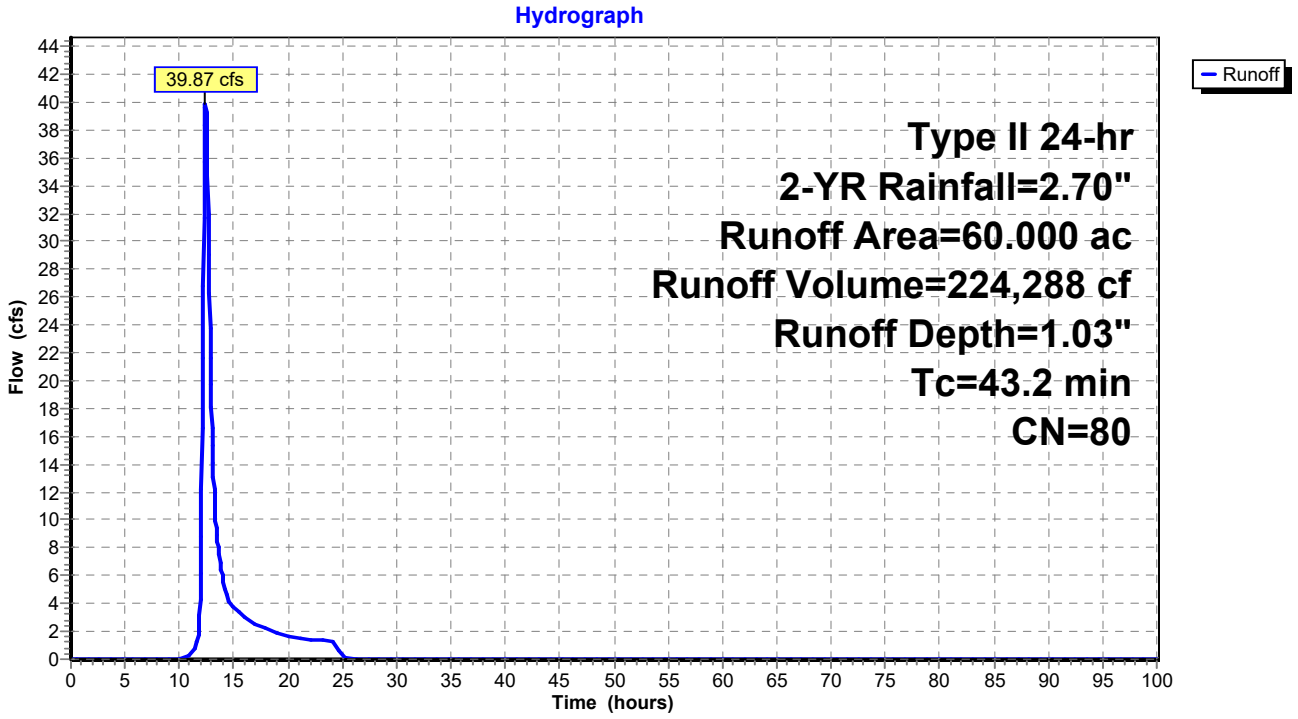
Runoff = 39.87 cfs @ 12.43 hrs, Volume= 224,288 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	60.000	80	
	60.000		100.00% Pervious Area

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

Subcatchment 3S: PRE - 17



Summary for Subcatchment 4S: POST - 17

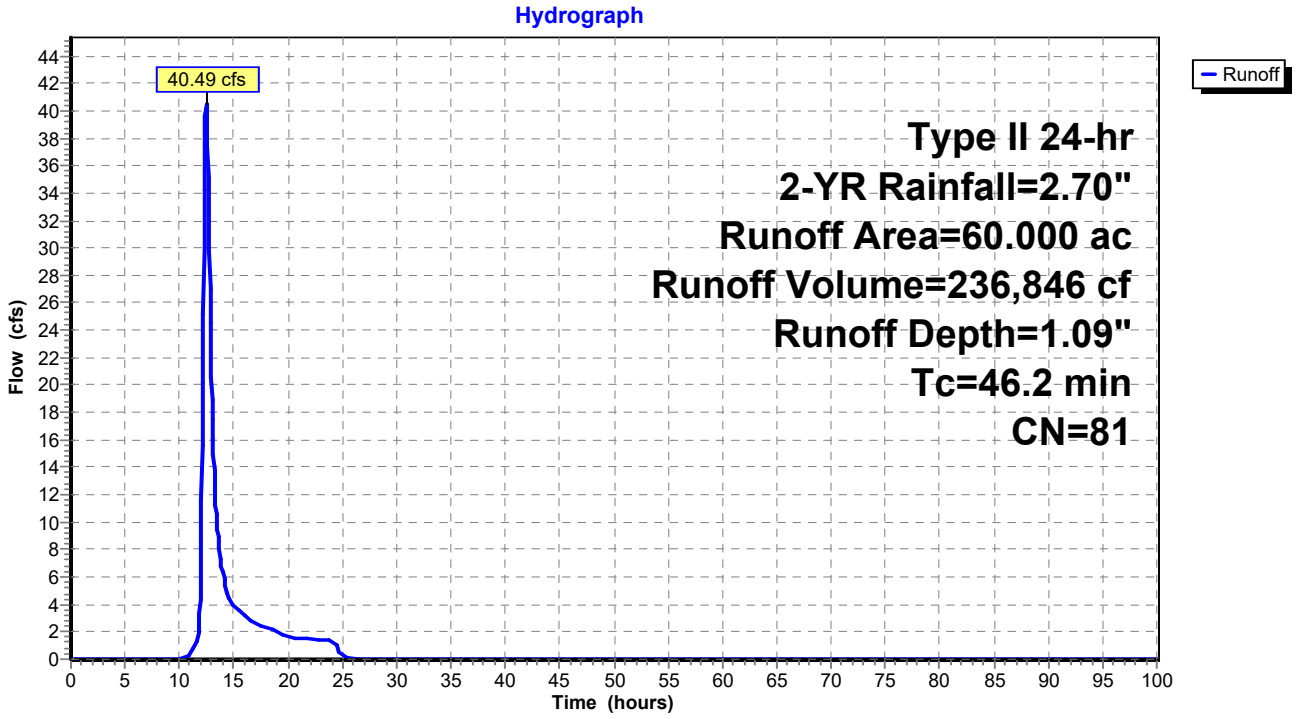
Runoff = 40.49 cfs @ 12.47 hrs, Volume= 236,846 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	60.000	81	
	60.000		100.00% Pervious Area

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

Subcatchment 4S: POST - 17



Summary for Subcatchment 5S: PRE - 18

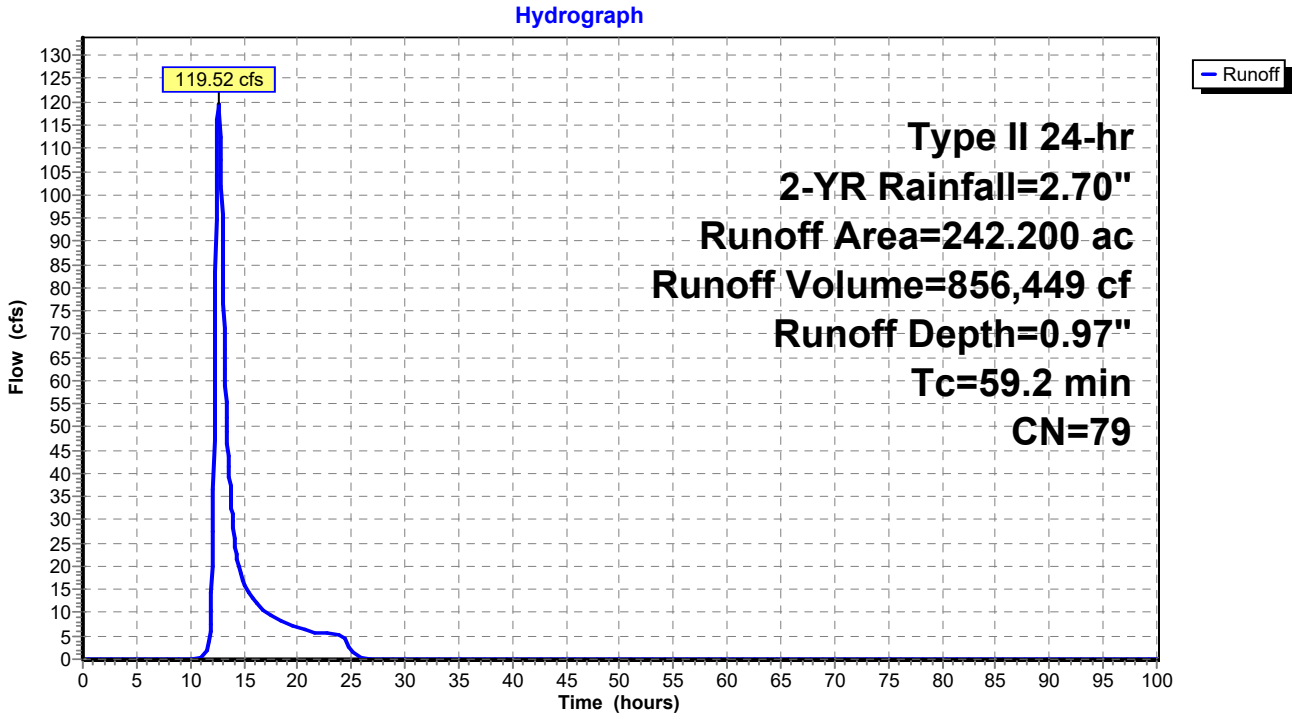
Runoff = 119.52 cfs @ 12.65 hrs, Volume= 856,449 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	242.200	79	
	242.200		100.00% Pervious Area

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

Subcatchment 5S: PRE - 18



Summary for Subcatchment 6S: POST - 18

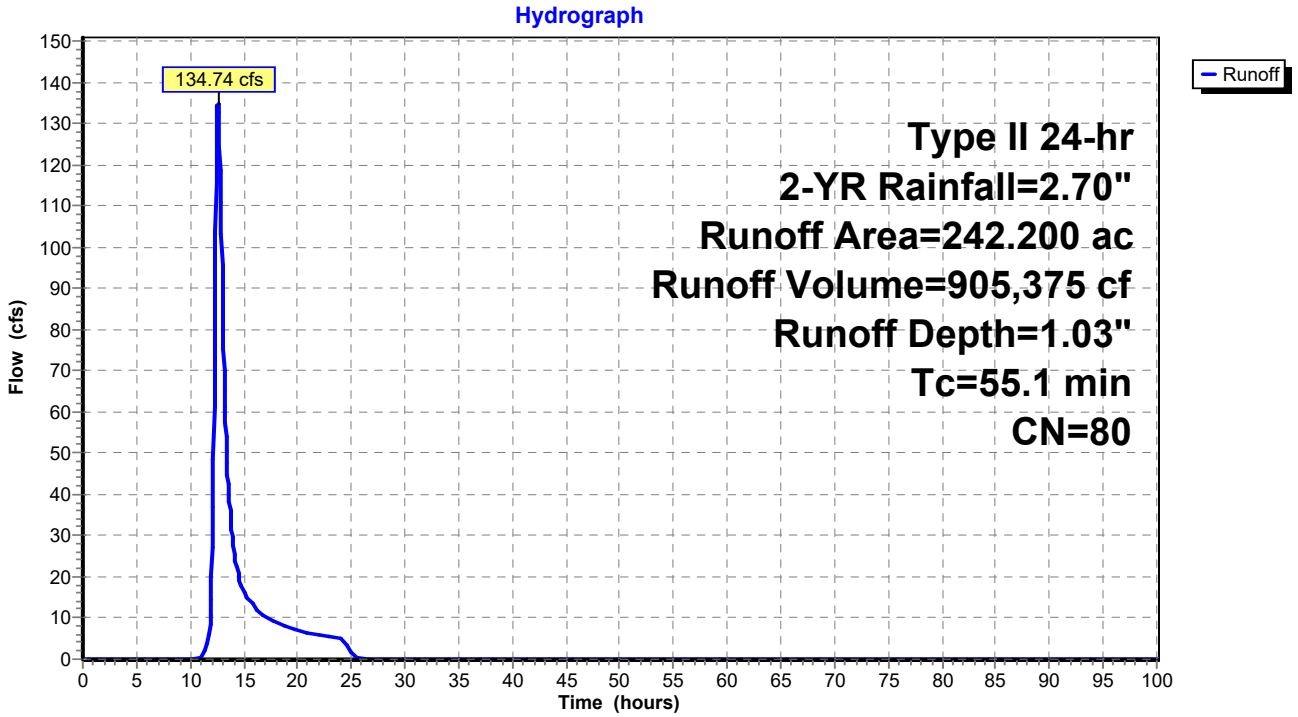
Runoff = 134.74 cfs @ 12.58 hrs, Volume= 905,375 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	242.200	80	
	242.200		100.00% Pervious Area

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

Subcatchment 6S: POST - 18



Summary for Subcatchment 7S: PRE - 19

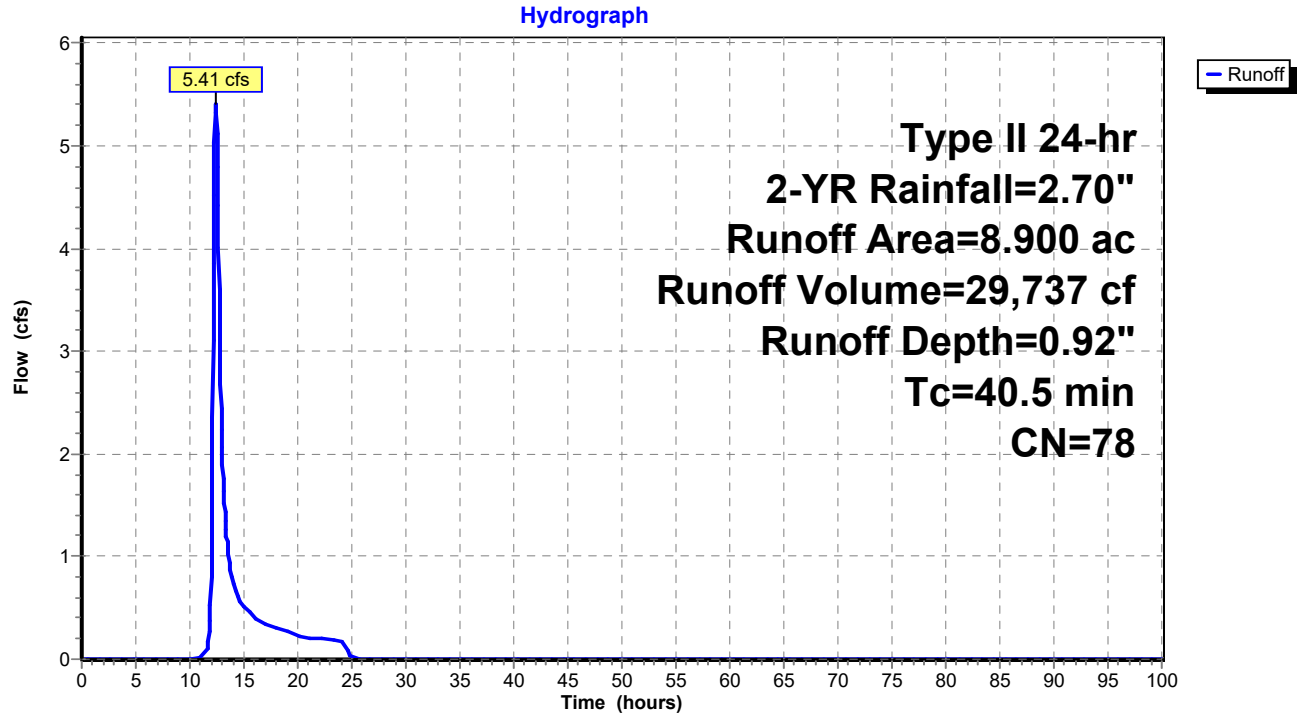
Runoff = 5.41 cfs @ 12.40 hrs, Volume= 29,737 cf, Depth= 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	8.900	78	
	8.900		100.00% Pervious Area

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

Subcatchment 7S: PRE - 19



Summary for Subcatchment 8S: POST - 19

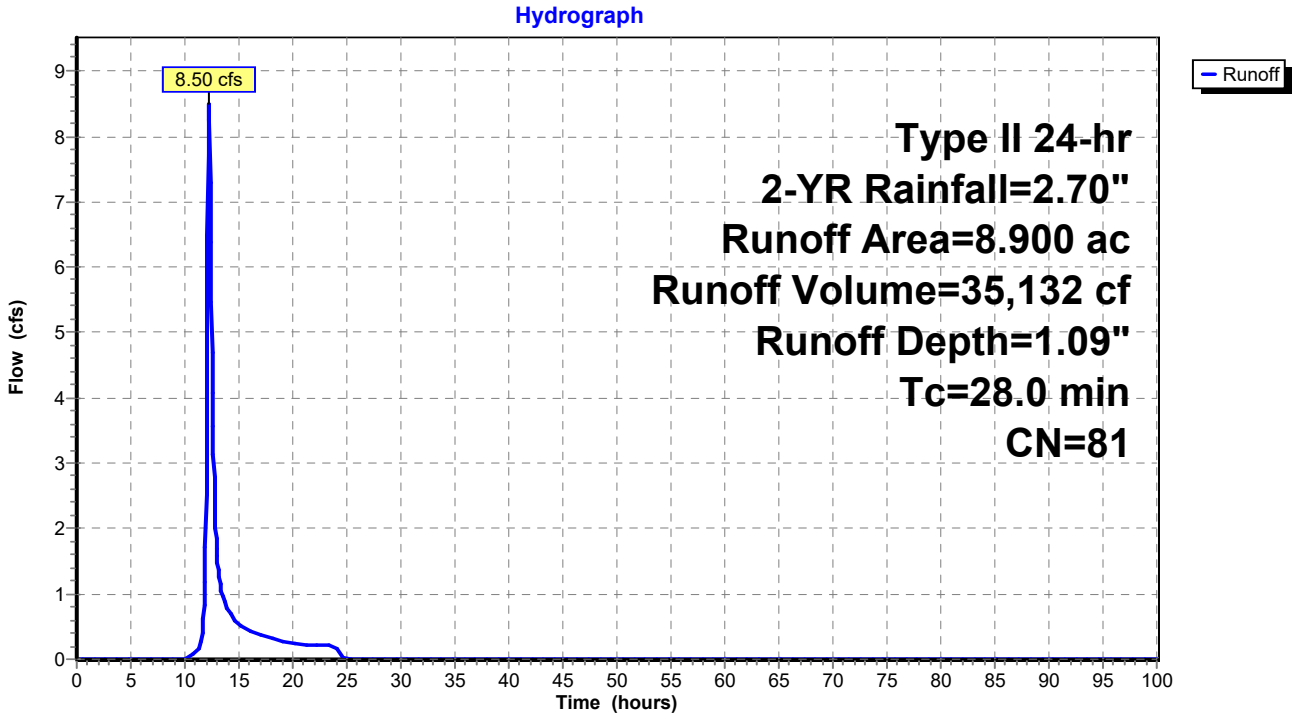
Runoff = 8.50 cfs @ 12.23 hrs, Volume= 35,132 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	8.900	81	
	8.900		100.00% Pervious Area

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

Subcatchment 8S: POST - 19



Summary for Subcatchment 9S: PRE - 20

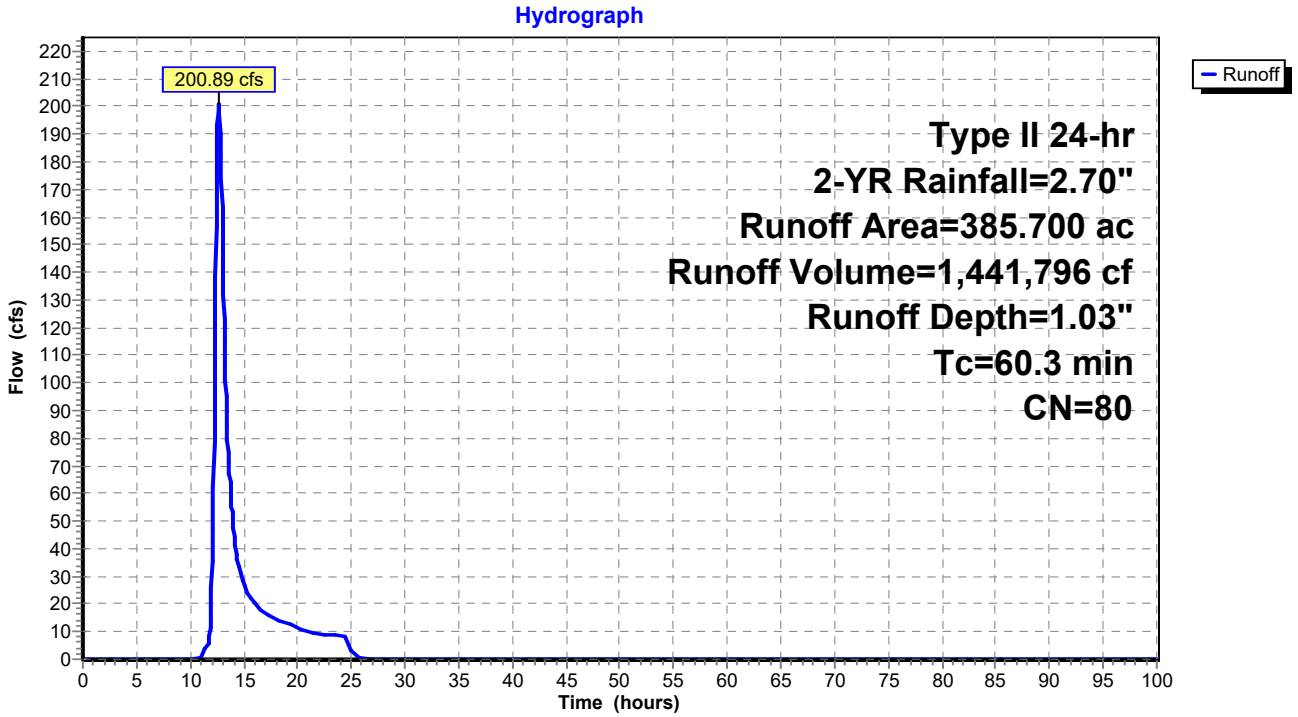
Runoff = 200.89 cfs @ 12.66 hrs, Volume= 1,441,796 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	385.700	80	
	385.700		100.00% Pervious Area

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

Subcatchment 9S: PRE - 20



Summary for Subcatchment 10S: POST - 20

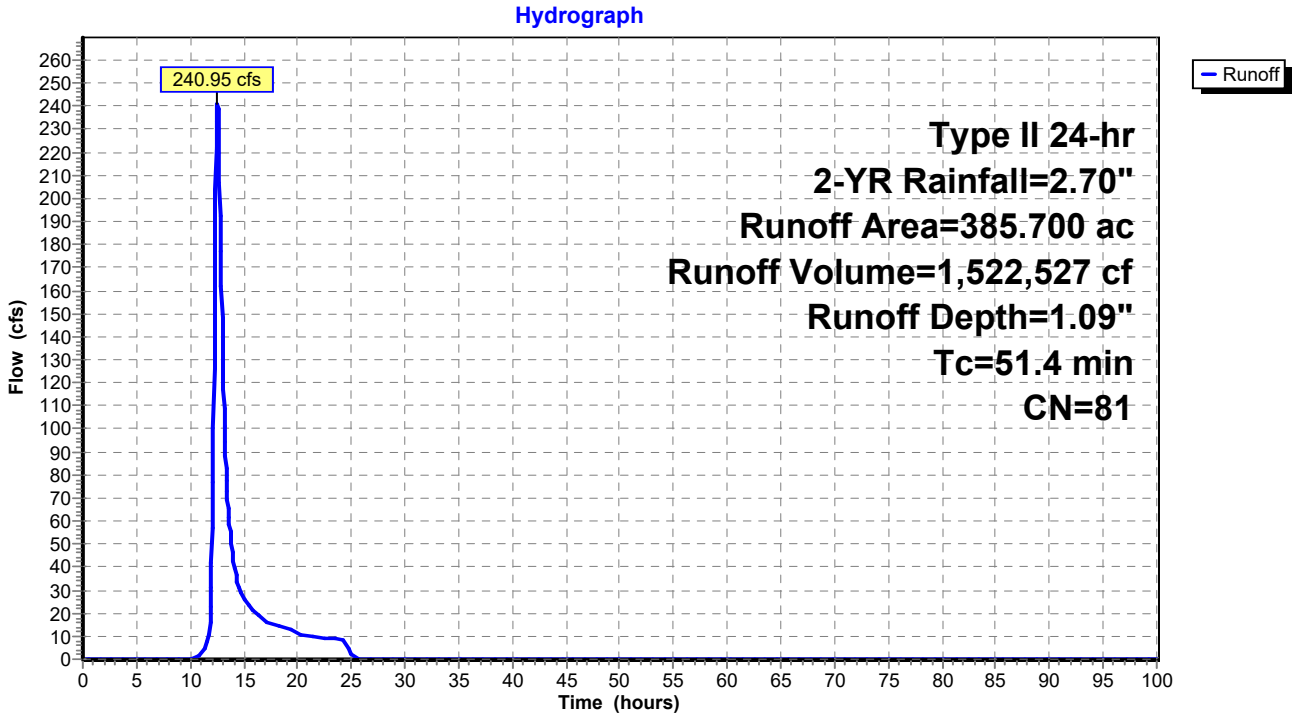
Runoff = 240.95 cfs @ 12.53 hrs, Volume= 1,522,527 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	385.700	81	
	385.700		100.00% Pervious Area

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

Subcatchment 10S: POST - 20



Summary for Subcatchment 11S: PRE - 21

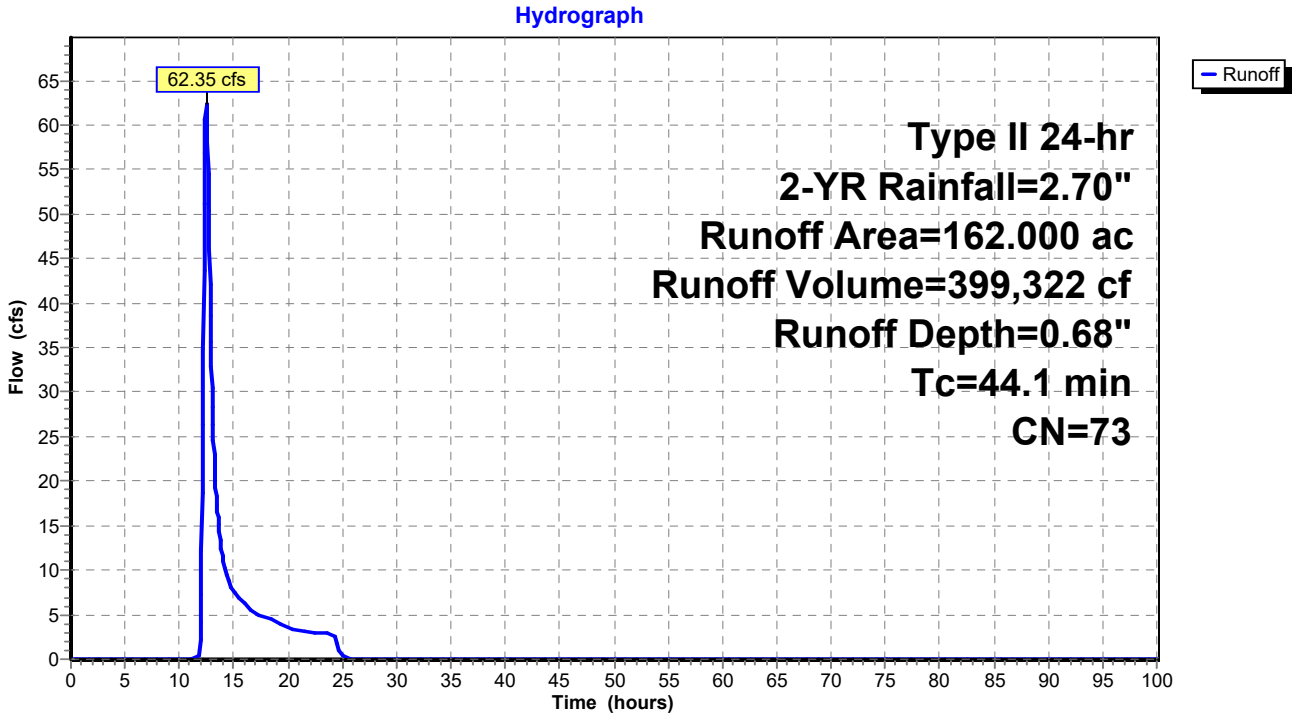
Runoff = 62.35 cfs @ 12.48 hrs, Volume= 399,322 cf, Depth= 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	162.000	73	
	162.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 21



Summary for Subcatchment 12S: POST - 21

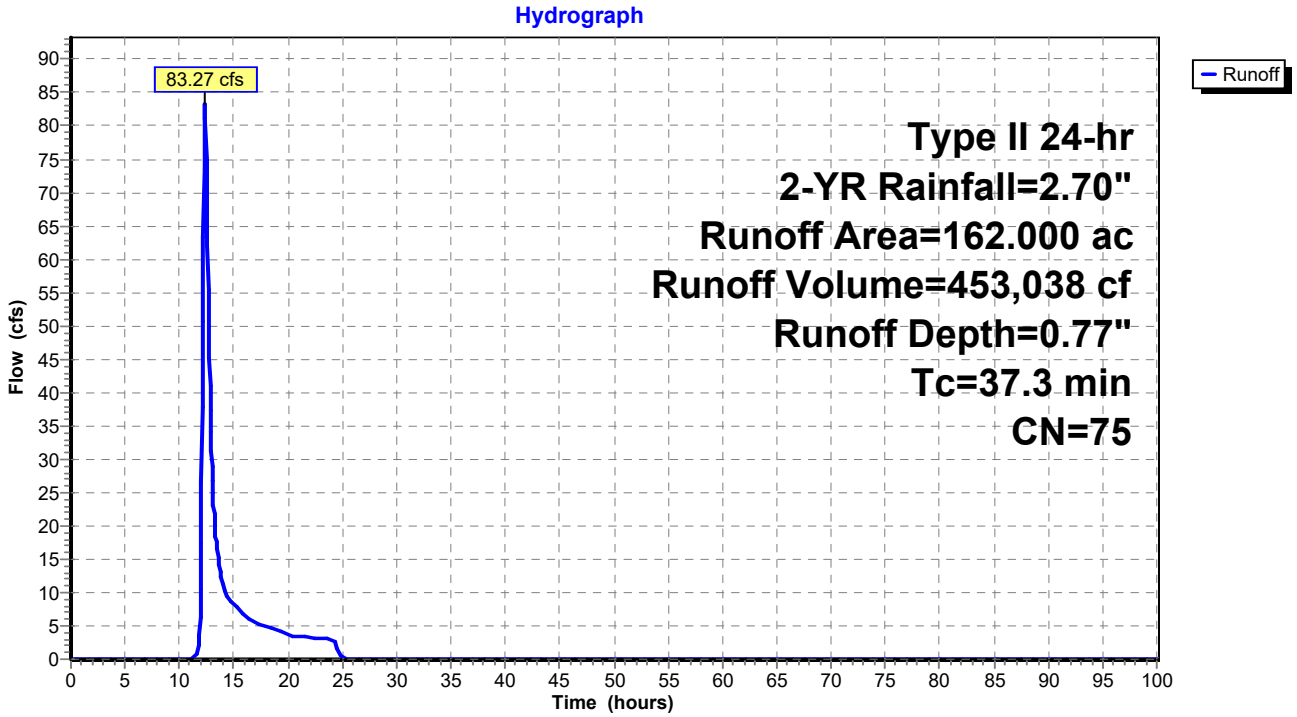
Runoff = 83.27 cfs @ 12.37 hrs, Volume= 453,038 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	162.000	75	
	162.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 21



Summary for Subcatchment 13S: PRE - 22

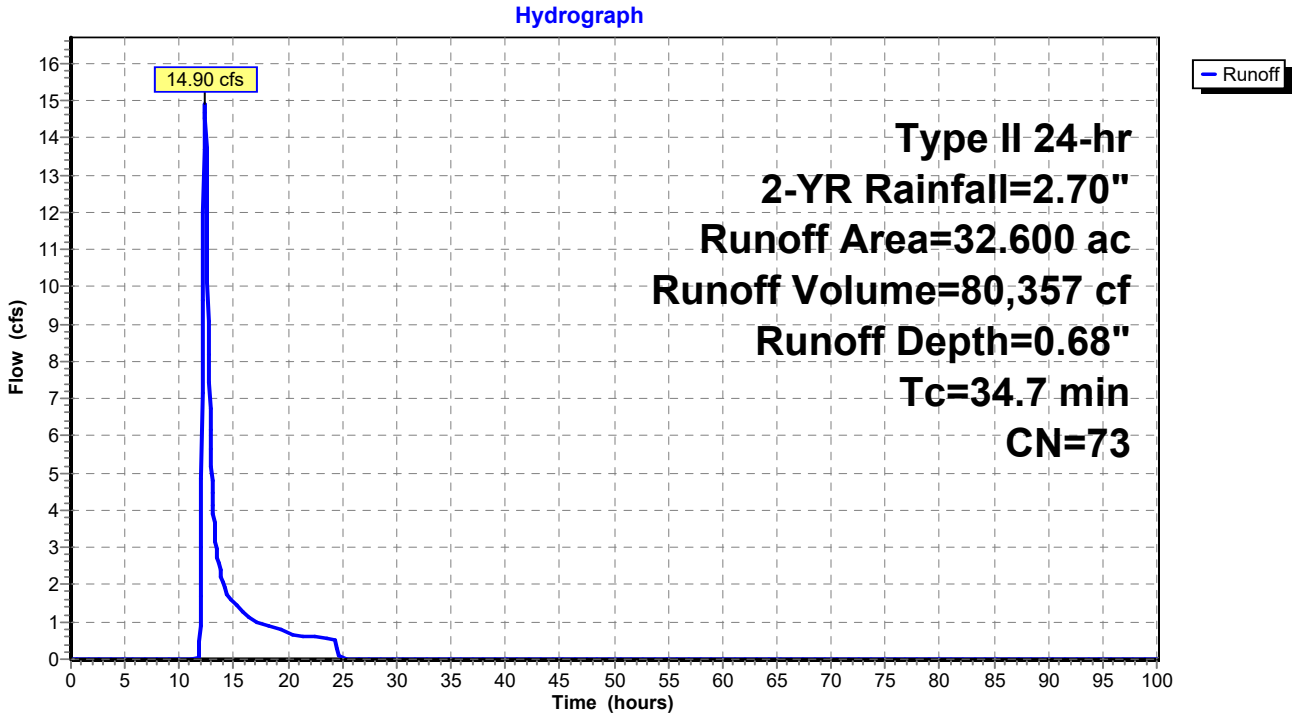
Runoff = 14.90 cfs @ 12.34 hrs, Volume= 80,357 cf, Depth= 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	32.600	73	
	32.600		100.00% Pervious Area

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

Subcatchment 13S: PRE - 22



Summary for Subcatchment 14S: POST - 22

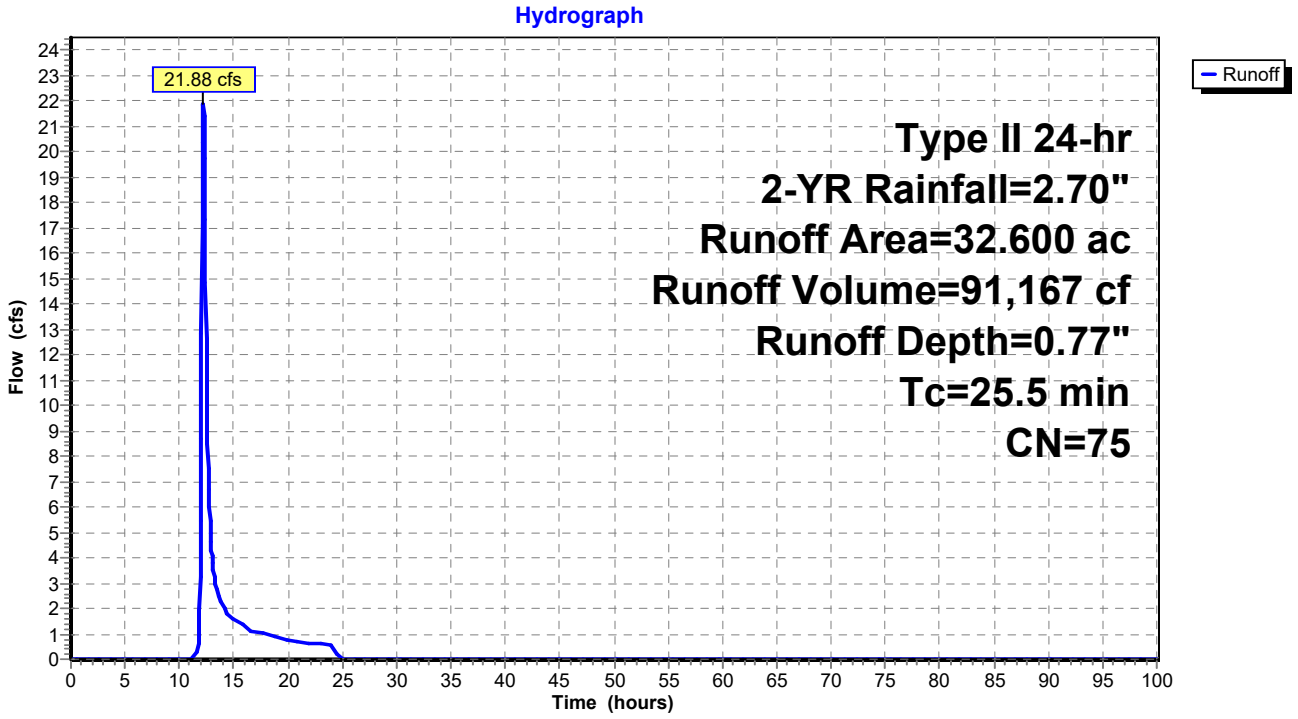
Runoff = 21.88 cfs @ 12.21 hrs, Volume= 91,167 cf, Depth= 0.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	32.600	75	
	32.600		100.00% Pervious Area

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

Subcatchment 14S: POST - 22



Summary for Subcatchment 15S: PRE - 23

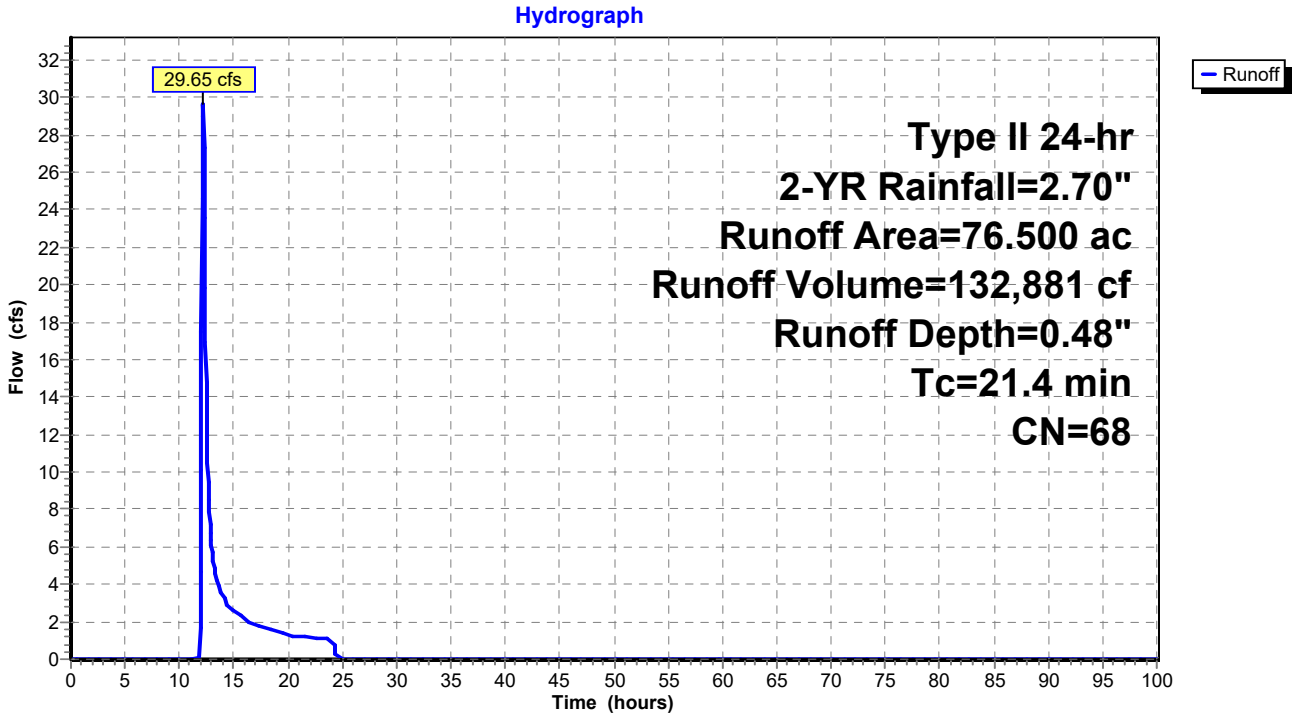
Runoff = 29.65 cfs @ 12.19 hrs, Volume= 132,881 cf, Depth= 0.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	76.500	68	
	76.500		100.00% Pervious Area

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

Subcatchment 15S: PRE - 23



Summary for Subcatchment 16S: POST - 23

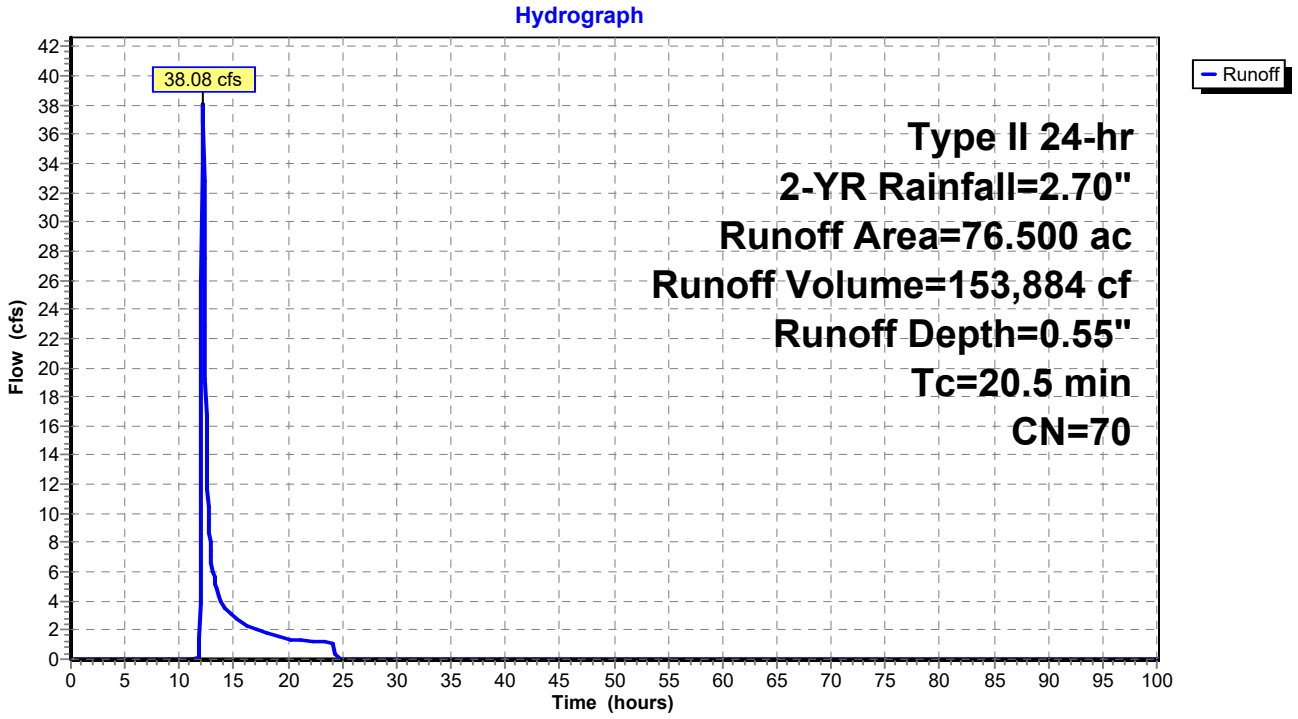
Runoff = 38.08 cfs @ 12.17 hrs, Volume= 153,884 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	76.500	70	
	76.500		100.00% Pervious Area

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

Subcatchment 16S: POST - 23



Summary for Subcatchment 17S: PRE - 24

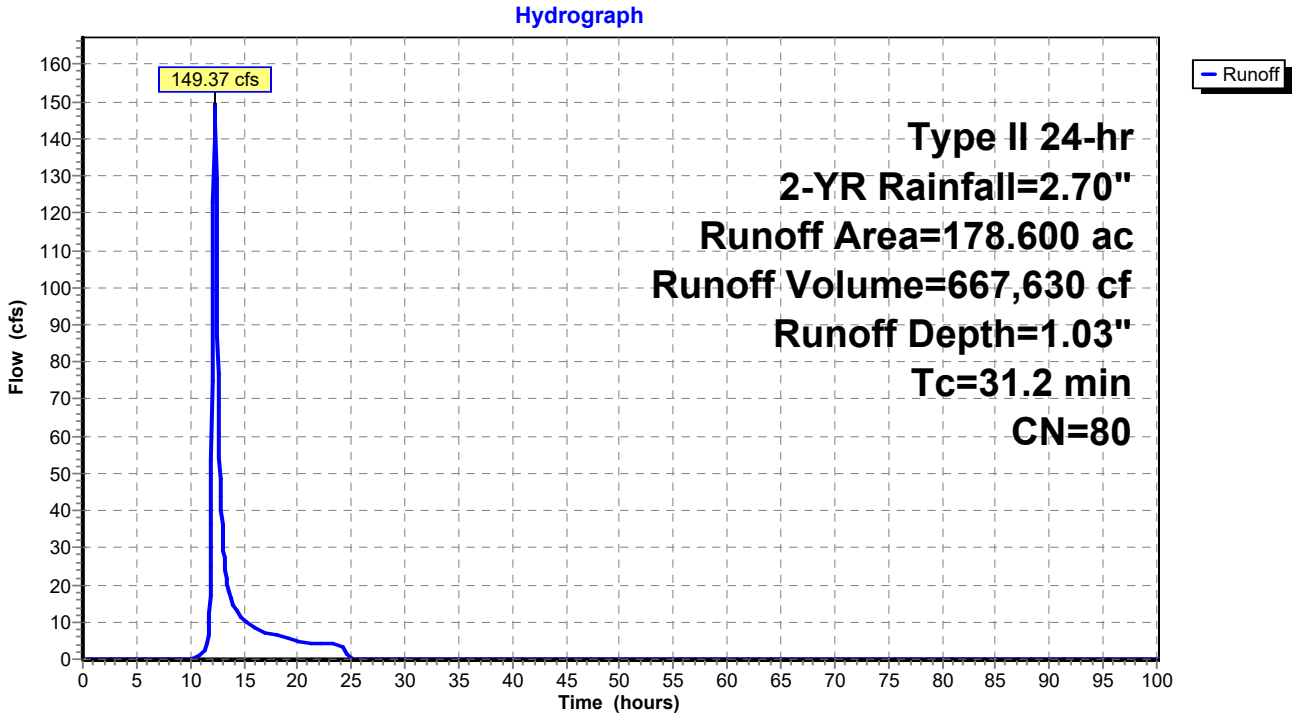
Runoff = 149.37 cfs @ 12.27 hrs, Volume= 667,630 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 17S: PRE - 24



Summary for Subcatchment 18S: POST - 24

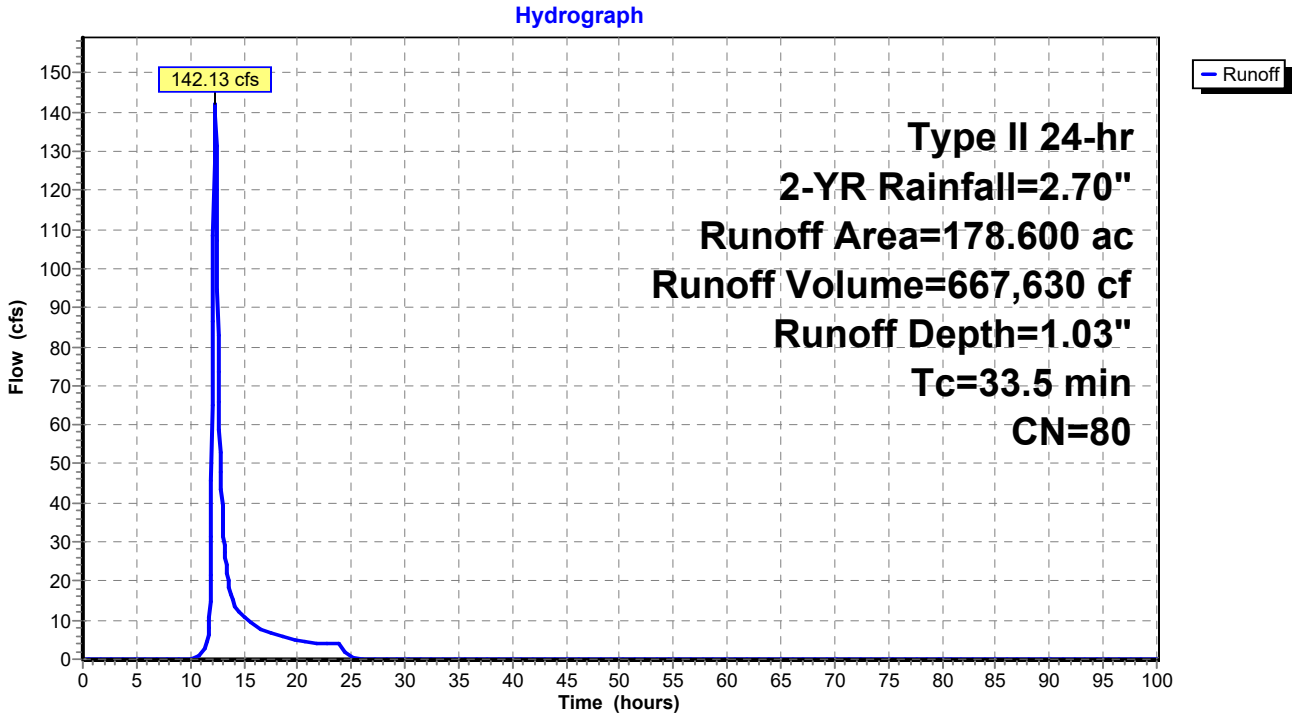
Runoff = 142.13 cfs @ 12.30 hrs, Volume= 667,630 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 18S: POST - 24



Summary for Subcatchment 19S: PRE - 25

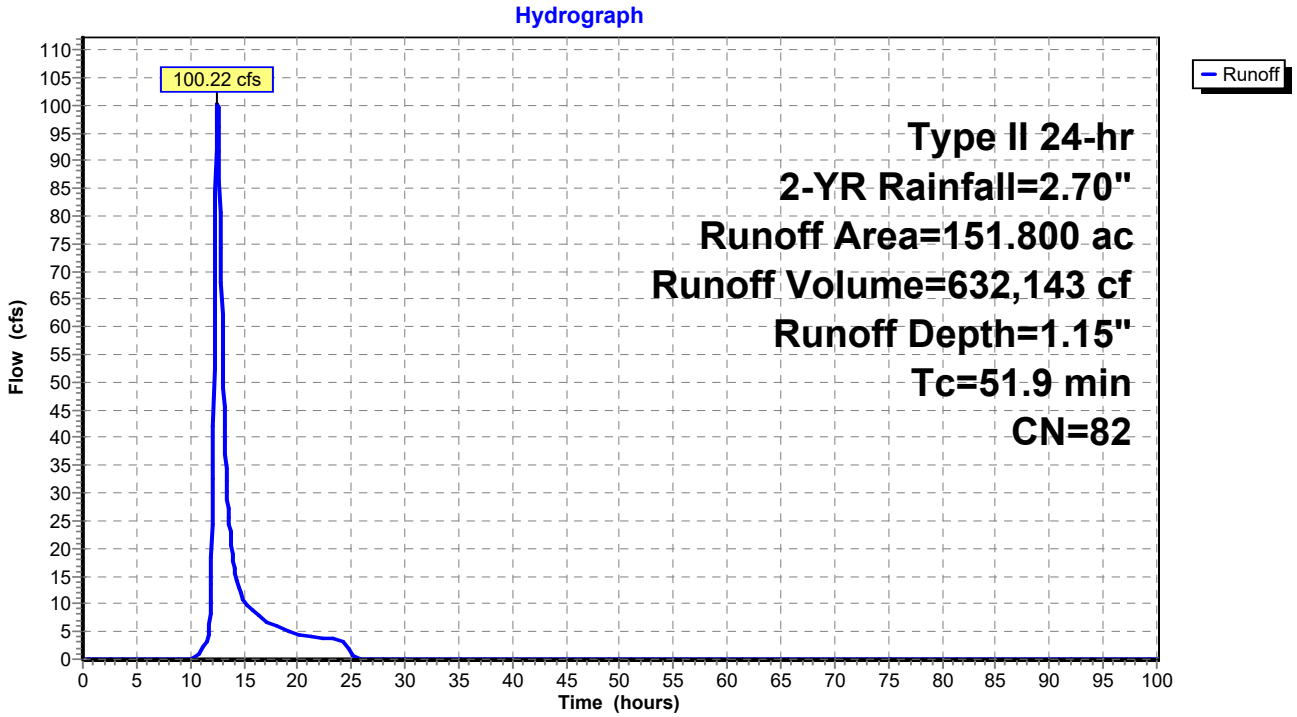
Runoff = 100.22 cfs @ 12.53 hrs, Volume= 632,143 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 19S: PRE - 25



Summary for Subcatchment 20S: POST - 25

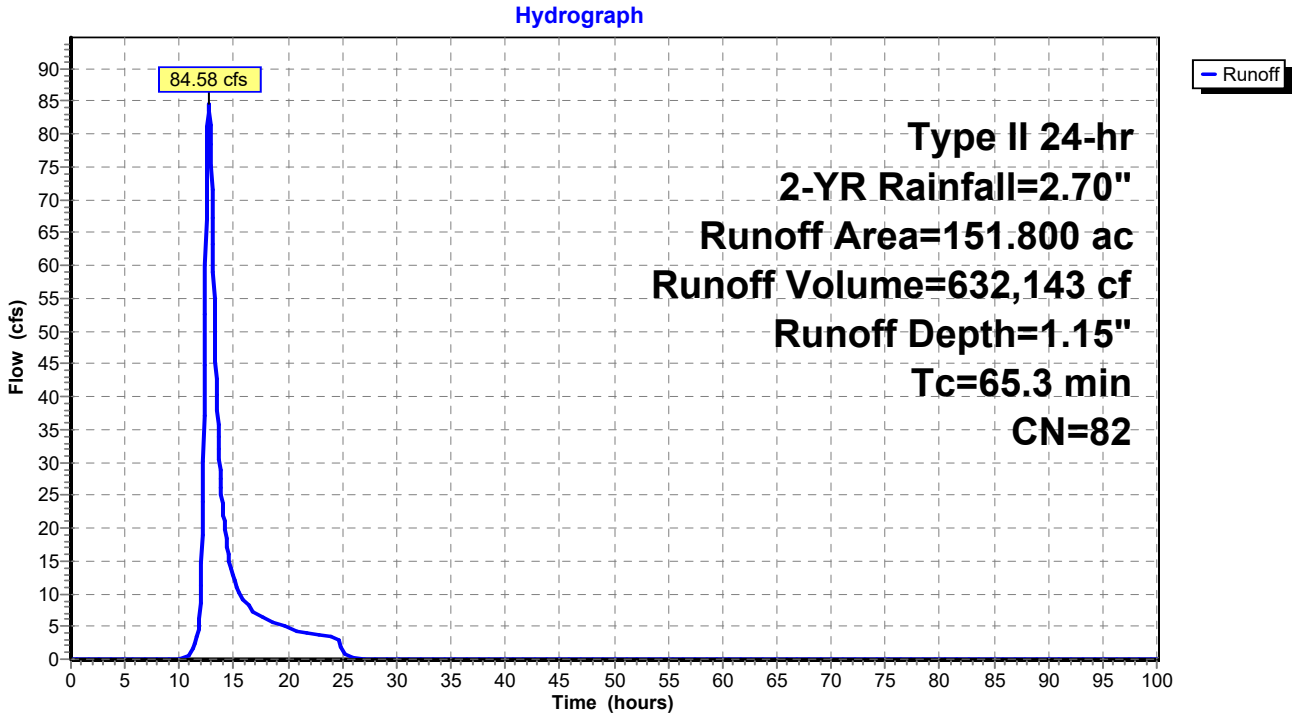
Runoff = 84.58 cfs @ 12.71 hrs, Volume= 632,143 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 20S: POST - 25



Summary for Subcatchment 21S: PRE - 26

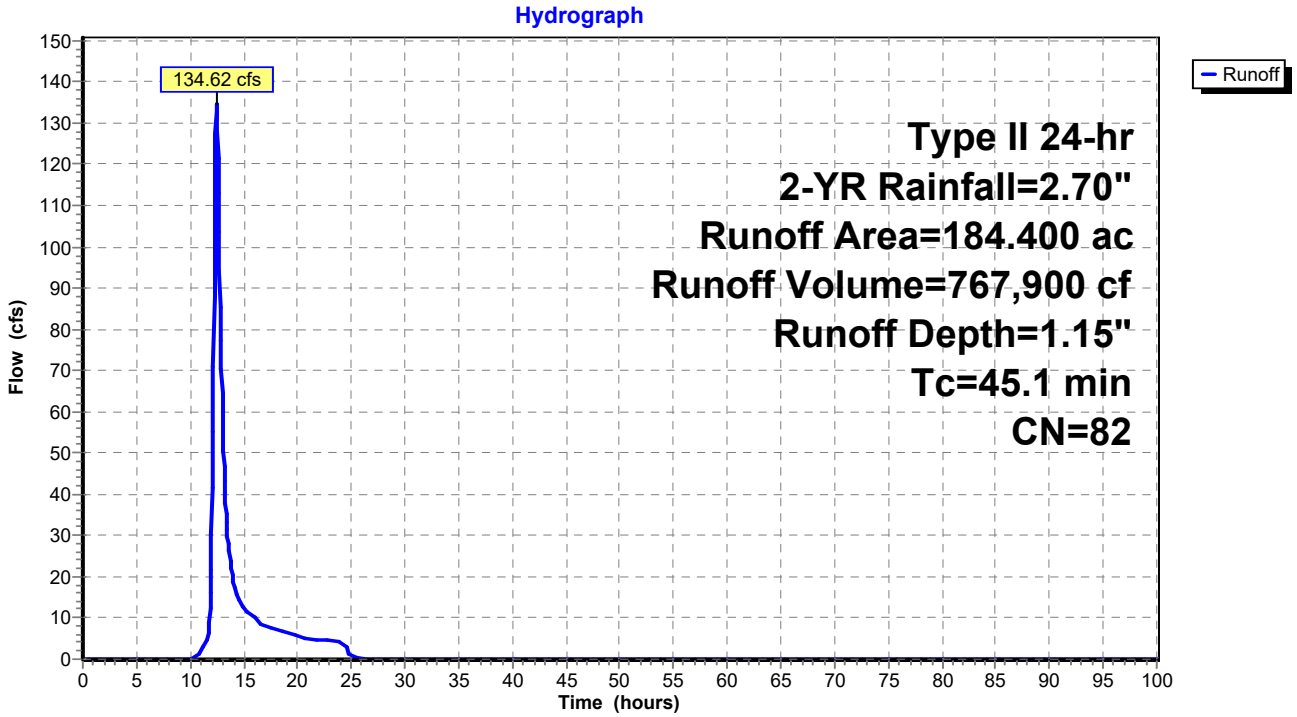
Runoff = 134.62 cfs @ 12.45 hrs, Volume= 767,900 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	184.400	82	
	184.400		100.00% Pervious Area

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

Subcatchment 21S: PRE - 26



Summary for Subcatchment 22S: POST - 26

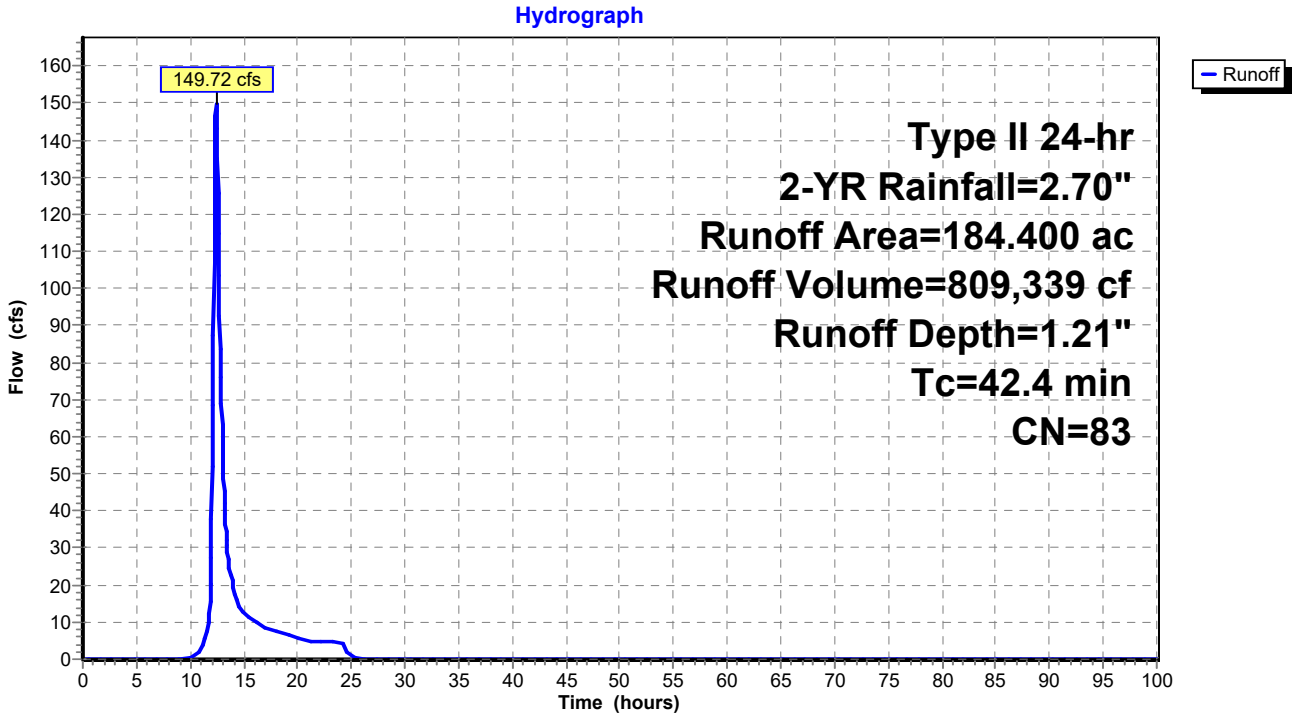
Runoff = 149.72 cfs @ 12.41 hrs, Volume= 809,339 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	184.400	83	
	184.400		100.00% Pervious Area

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

Subcatchment 22S: POST - 26



Summary for Subcatchment 23S: PRE - 27

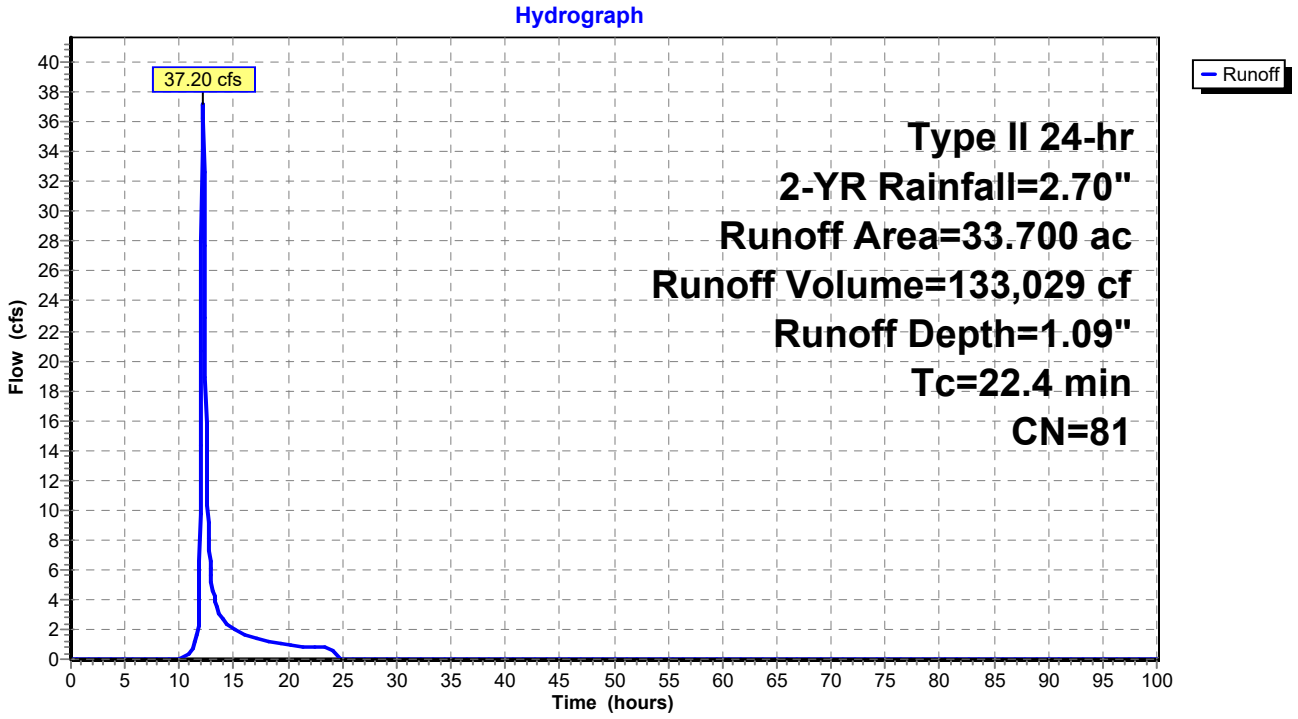
Runoff = 37.20 cfs @ 12.16 hrs, Volume= 133,029 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	33.700	81	
	33.700		100.00% Pervious Area

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

Subcatchment 23S: PRE - 27



Summary for Subcatchment 24S: POST - 27

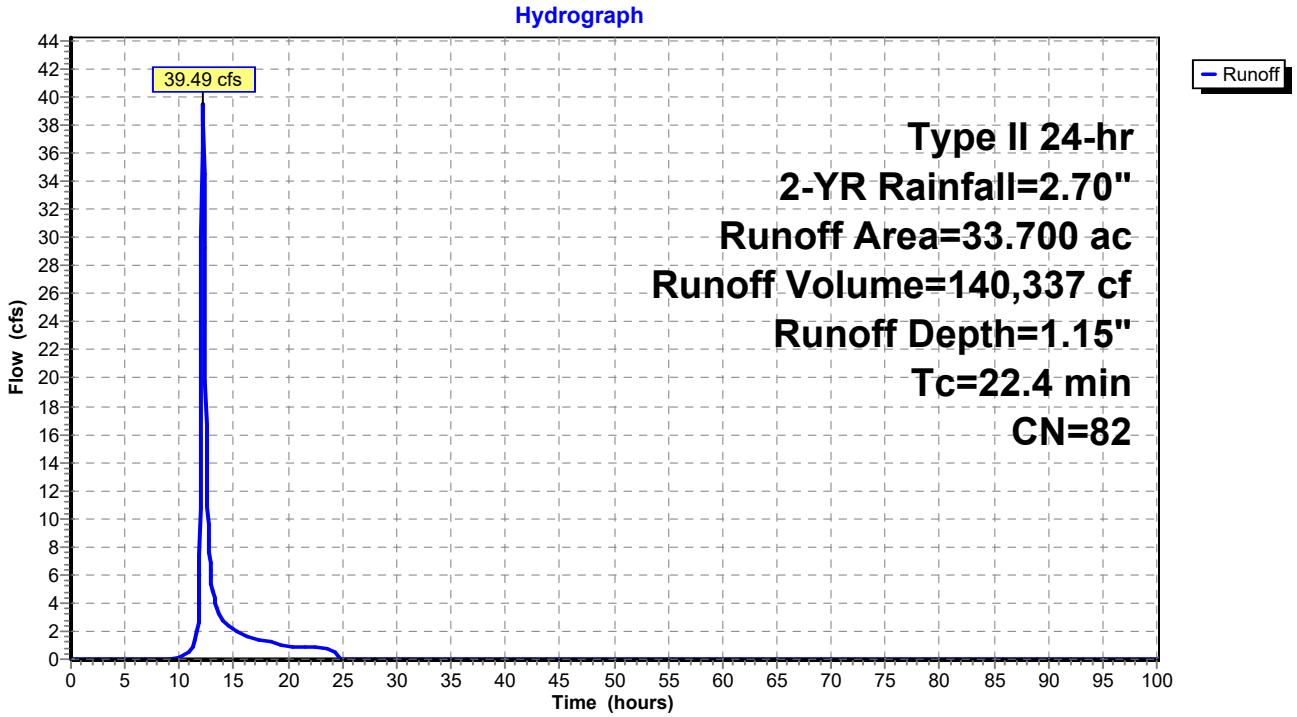
Runoff = 39.49 cfs @ 12.16 hrs, Volume= 140,337 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	33.700	82	
	33.700		100.00% Pervious Area

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

Subcatchment 24S: POST - 27



Summary for Subcatchment 25S: PRE - 28

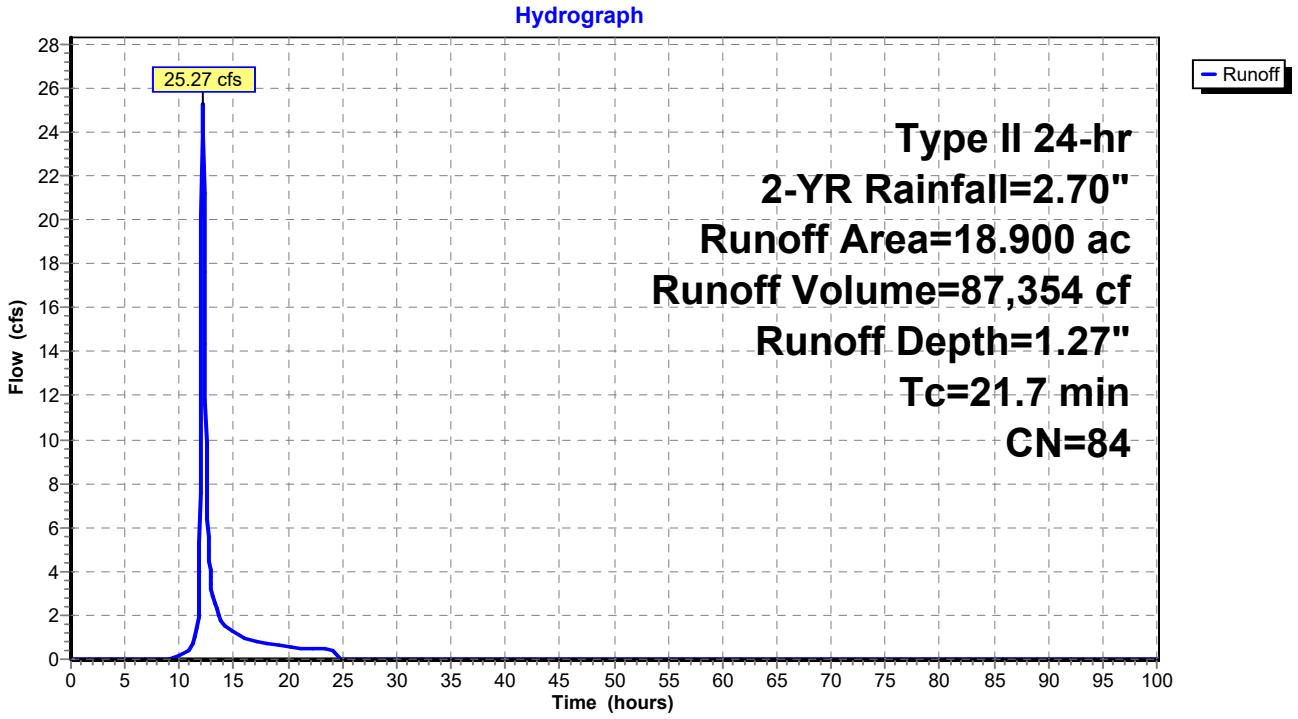
Runoff = 25.27 cfs @ 12.15 hrs, Volume= 87,354 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 25S: PRE - 28



Summary for Subcatchment 26S: POST - 28

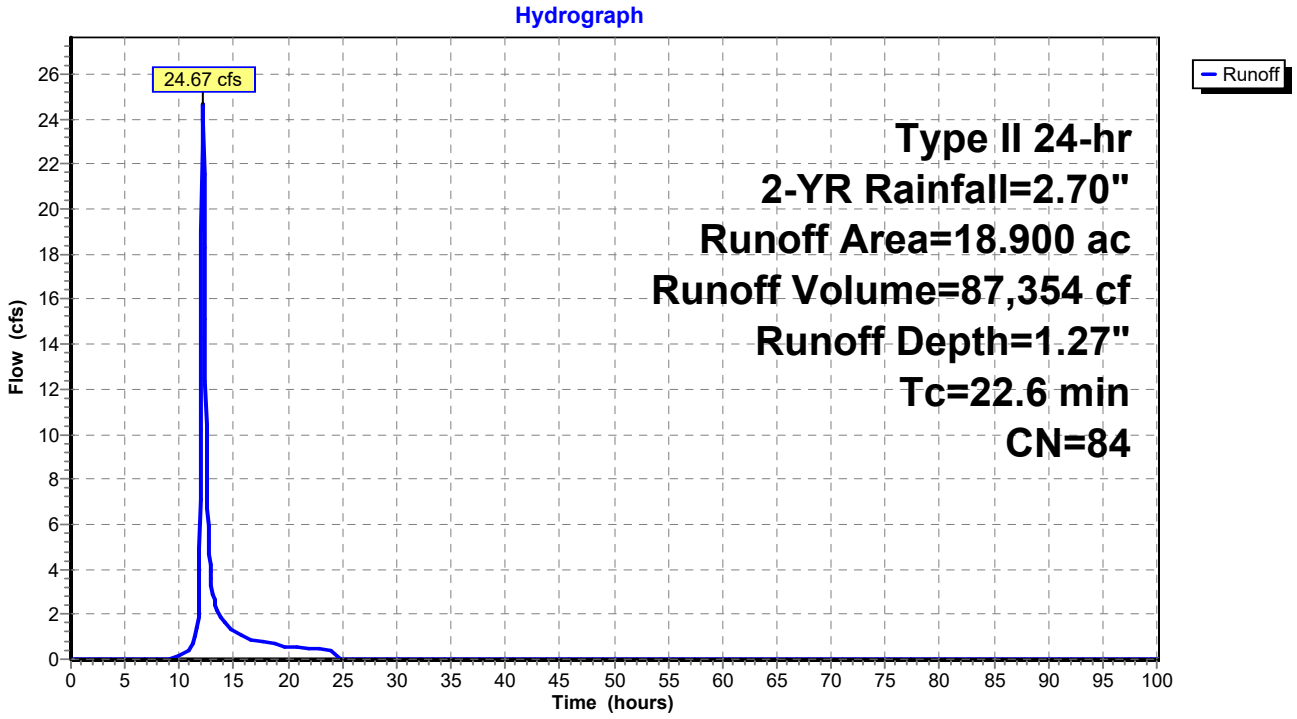
Runoff = 24.67 cfs @ 12.16 hrs, Volume= 87,354 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 26S: POST - 28



Summary for Subcatchment 27S: PRE - 29

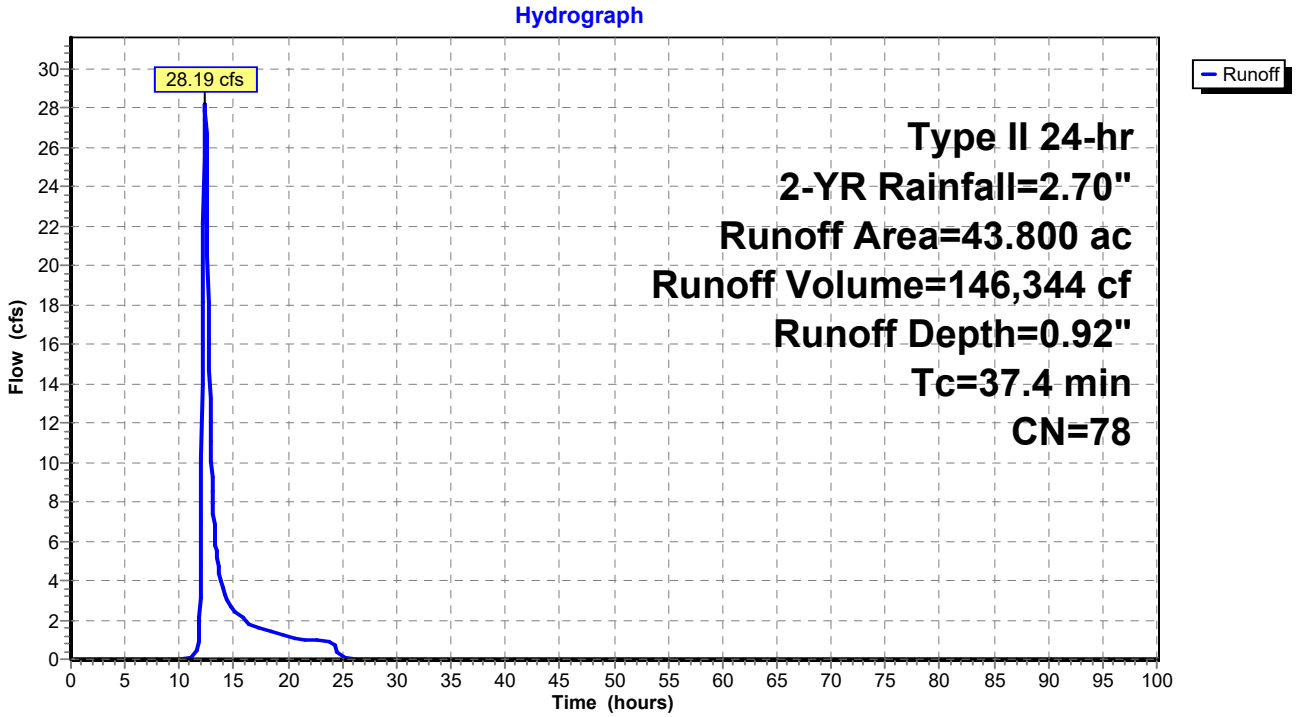
Runoff = 28.19 cfs @ 12.36 hrs, Volume= 146,344 cf, Depth= 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	43.800	78	
	43.800		100.00% Pervious Area

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

Subcatchment 27S: PRE - 29



Summary for Subcatchment 28S: POST - 29

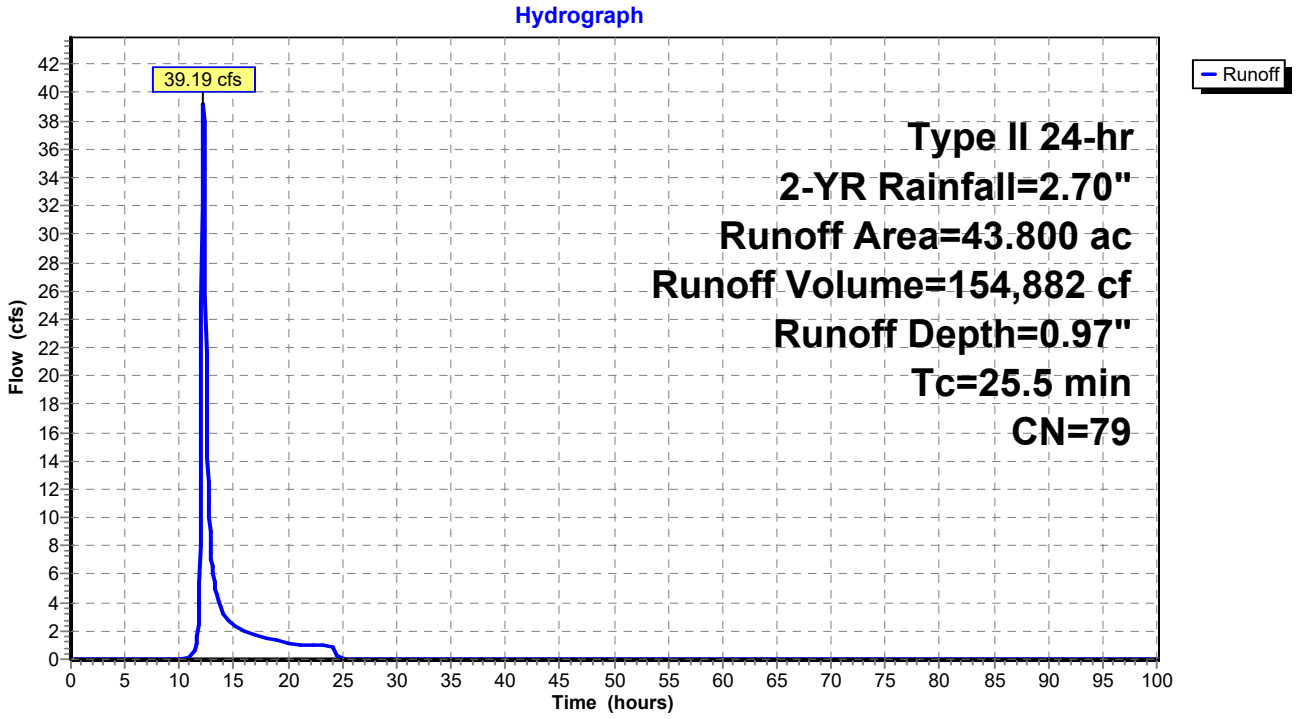
Runoff = 39.19 cfs @ 12.21 hrs, Volume= 154,882 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	43.800	79	
	43.800		100.00% Pervious Area

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

Subcatchment 28S: POST - 29



Summary for Subcatchment 29S: PRE - 30

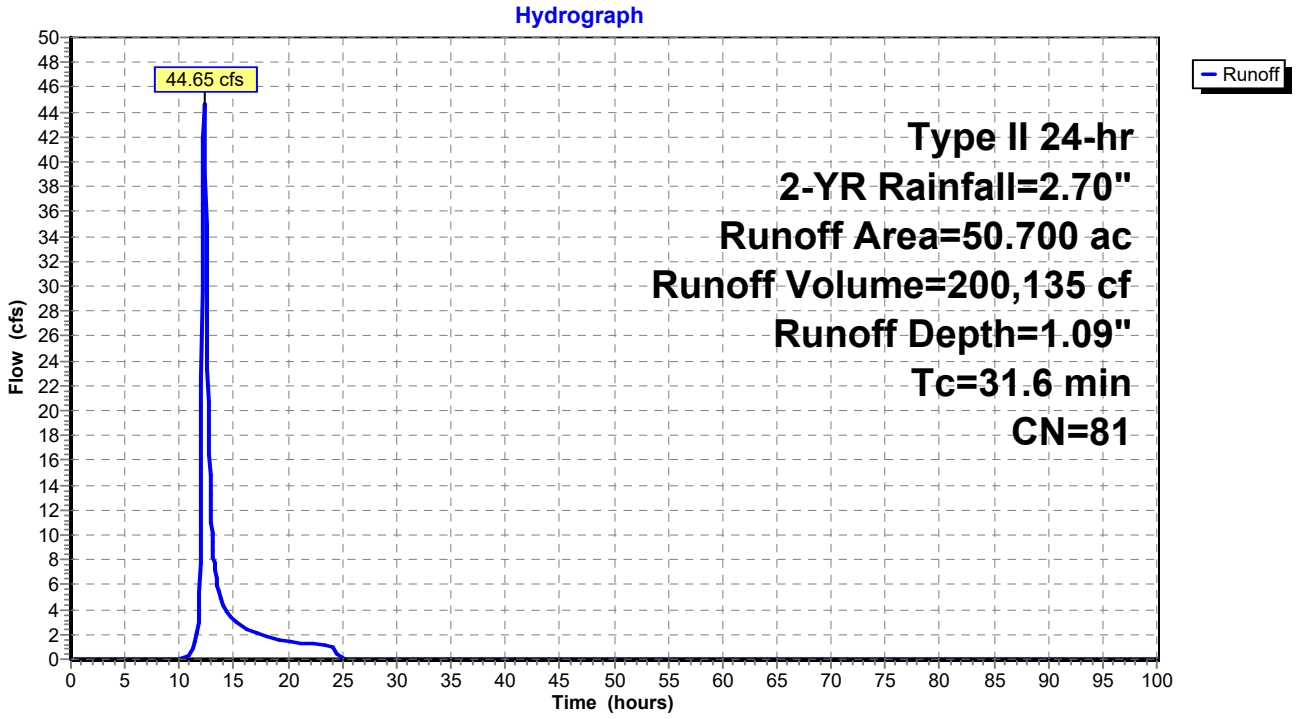
Runoff = 44.65 cfs @ 12.28 hrs, Volume= 200,135 cf, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	50.700	81	
	50.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 30



Summary for Subcatchment 30S: POST - 30

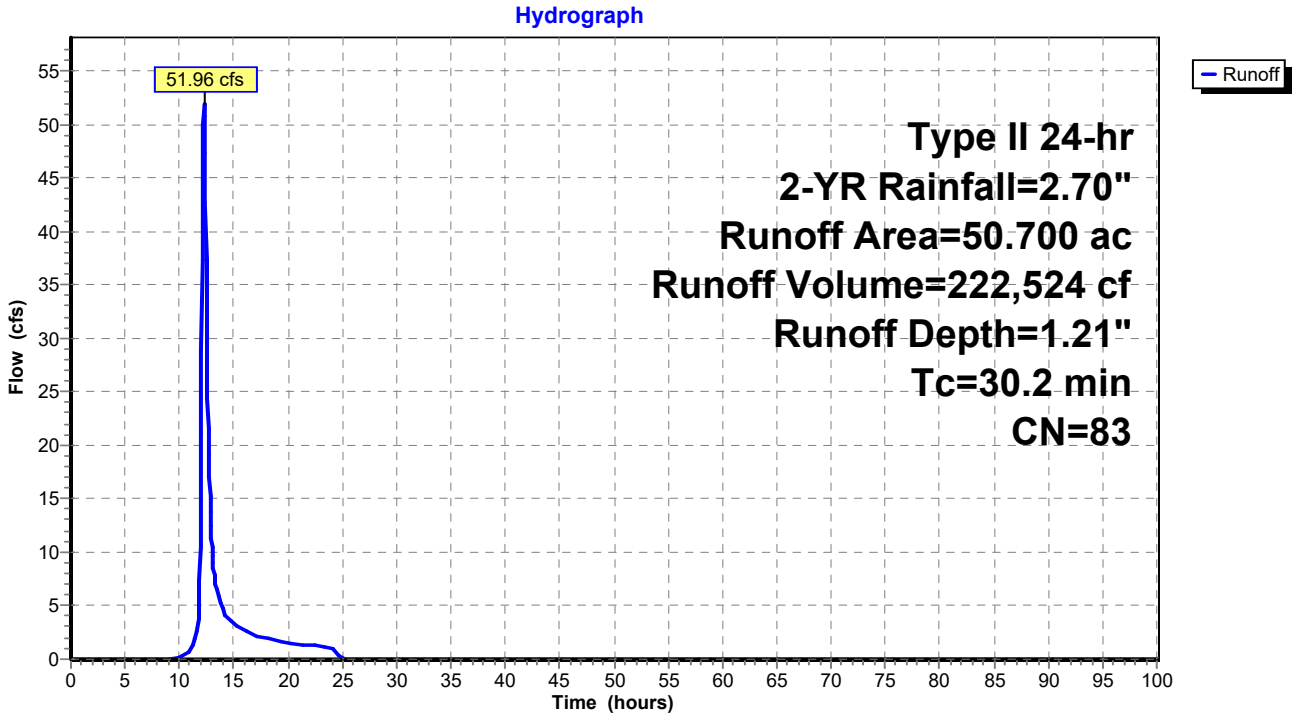
Runoff = 51.96 cfs @ 12.26 hrs, Volume= 222,524 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	50.700	83	
	50.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 30



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=2.33"
Tc=54.4 min CN=83 Runoff=77.83 cfs 493,017 cf

Subcatchment2S: POST - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=2.33"
Tc=57.2 min CN=83 Runoff=74.97 cfs 493,017 cf

Subcatchment3S: PRE - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=2.08"
Tc=43.2 min CN=80 Runoff=83.93 cfs 453,690 cf

Subcatchment4S: POST - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=2.16"
Tc=46.2 min CN=81 Runoff=83.31 cfs 471,229 cf

Subcatchment5S: PRE - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=2.00"
Tc=59.2 min CN=79 Runoff=258.59 cfs 1,762,024 cf

Subcatchment6S: POST - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=2.08"
Tc=55.1 min CN=80 Runoff=284.96 cfs 1,831,395 cf

Subcatchment7S: PRE - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=1.93"
Tc=40.5 min CN=78 Runoff=11.96 cfs 62,251 cf

Subcatchment8S: POST - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=2.16"
Tc=28.0 min CN=81 Runoff=17.39 cfs 69,899 cf

Subcatchment9S: PRE - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=2.08"
Tc=60.3 min CN=80 Runoff=424.10 cfs 2,916,471 cf

Subcatchment10S: POST - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=2.16"
Tc=51.4 min CN=81 Runoff=497.37 cfs 3,029,218 cf

Subcatchment11S: PRE - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=1.56"
Tc=44.1 min CN=73 Runoff=161.16 cfs 919,389 cf

Subcatchment12S: POST - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=1.70"
Tc=37.3 min CN=75 Runoff=200.63 cfs 1,002,207 cf

Subcatchment13S: PRE - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=1.56"
Tc=34.7 min CN=73 Runoff=38.49 cfs 185,013 cf

Subcatchment14S: POST - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=1.70"
Tc=25.5 min CN=75 Runoff=52.20 cfs 201,679 cf

Subcatchment15S: PRE - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=1.24"
Tc=21.4 min CN=68 Runoff=94.14 cfs 343,437 cf

Subcatchment16S: POST - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=1.36"
Tc=20.5 min CN=70 Runoff=108.58 cfs 378,537 cf

Subcatchment17S: PRE - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=2.08"
Tc=31.2 min CN=80 Runoff=312.95 cfs 1,350,484 cf

Subcatchment18S: POST - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=2.08"
Tc=33.5 min CN=80 Runoff=298.14 cfs 1,350,484 cf

Subcatchment19S: PRE - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=2.25"
Tc=51.9 min CN=82 Runoff=202.19 cfs 1,237,494 cf

Subcatchment20S: POST - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=2.25"
Tc=65.3 min CN=82 Runoff=170.63 cfs 1,237,494 cf

Subcatchment21S: PRE - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=2.25"
Tc=45.1 min CN=82 Runoff=270.78 cfs 1,503,254 cf

Subcatchment22S: POST - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=2.33"
Tc=42.4 min CN=83 Runoff=294.55 cfs 1,559,390 cf

Subcatchment23S: PRE - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=2.16"
Tc=22.4 min CN=81 Runoff=75.64 cfs 264,674 cf

Subcatchment24S: POST - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=2.25"
Tc=22.4 min CN=82 Runoff=78.56 cfs 274,727 cf

Subcatchment25S: PRE - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=2.42"
Tc=21.7 min CN=84 Runoff=48.21 cfs 165,700 cf

Subcatchment26S: POST - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=2.42"
Tc=22.6 min CN=84 Runoff=47.11 cfs 165,700 cf

Subcatchment27S: PRE - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=1.93"
Tc=37.4 min CN=78 Runoff=62.27 cfs 306,357 cf

Subcatchment28S: POST - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=2.00"
Tc=25.5 min CN=79 Runoff=83.72 cfs 318,648 cf

Subcatchment29S: PRE - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=2.16"
Tc=31.6 min CN=81 Runoff=91.59 cfs 398,189 cf

Subcatchment30S: POST - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=2.33"
Tc=30.2 min CN=83 Runoff=101.76 cfs 428,748 cf

Total Runoff Area = 147,067,272 sf Runoff Volume = 25,173,815 cf Average Runoff Depth = 2.05"
100.00% Pervious = 147,067,272 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 16

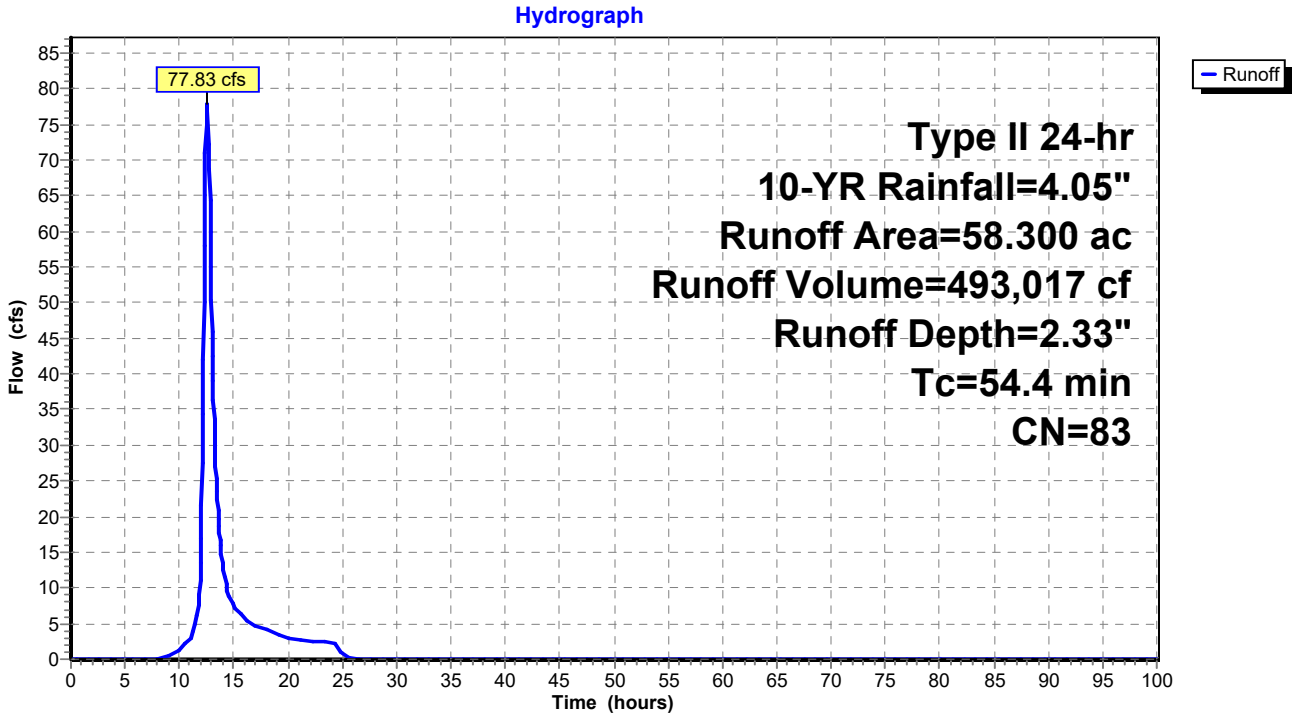
Runoff = 77.83 cfs @ 12.55 hrs, Volume= 493,017 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 16



Summary for Subcatchment 2S: POST - 16

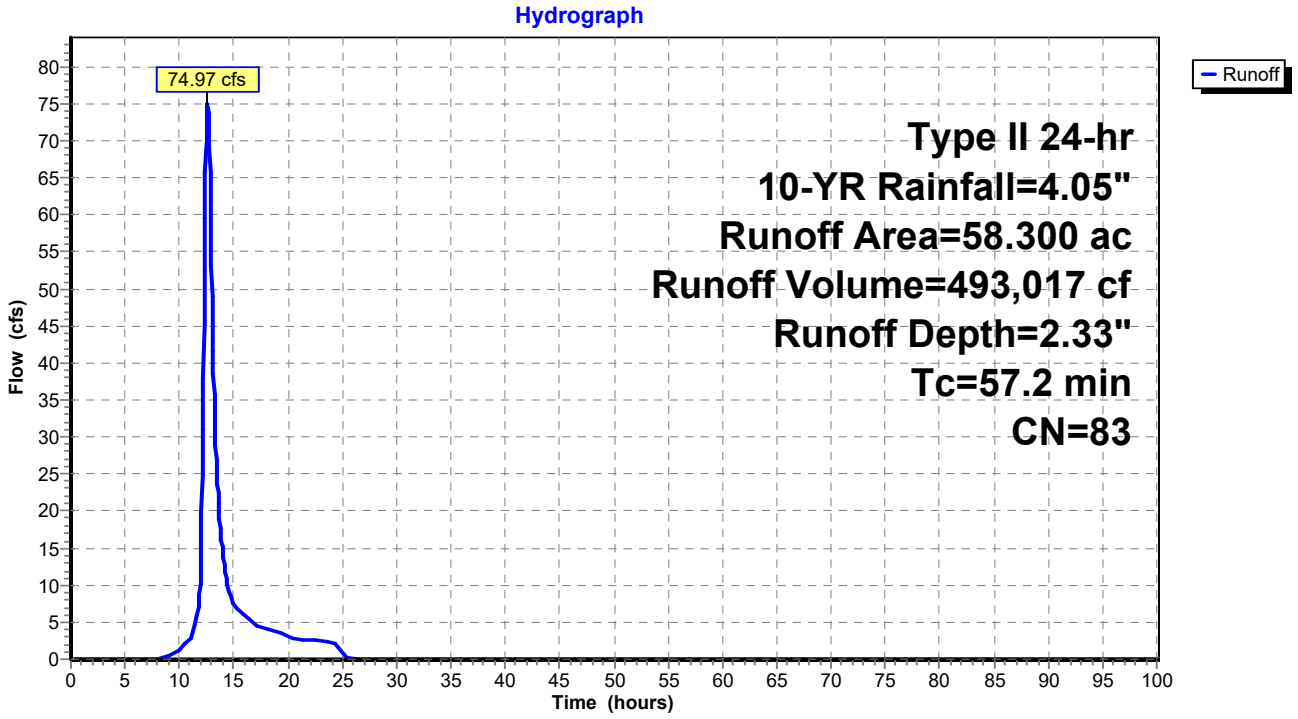
Runoff = 74.97 cfs @ 12.59 hrs, Volume= 493,017 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 16



Summary for Subcatchment 3S: PRE - 17

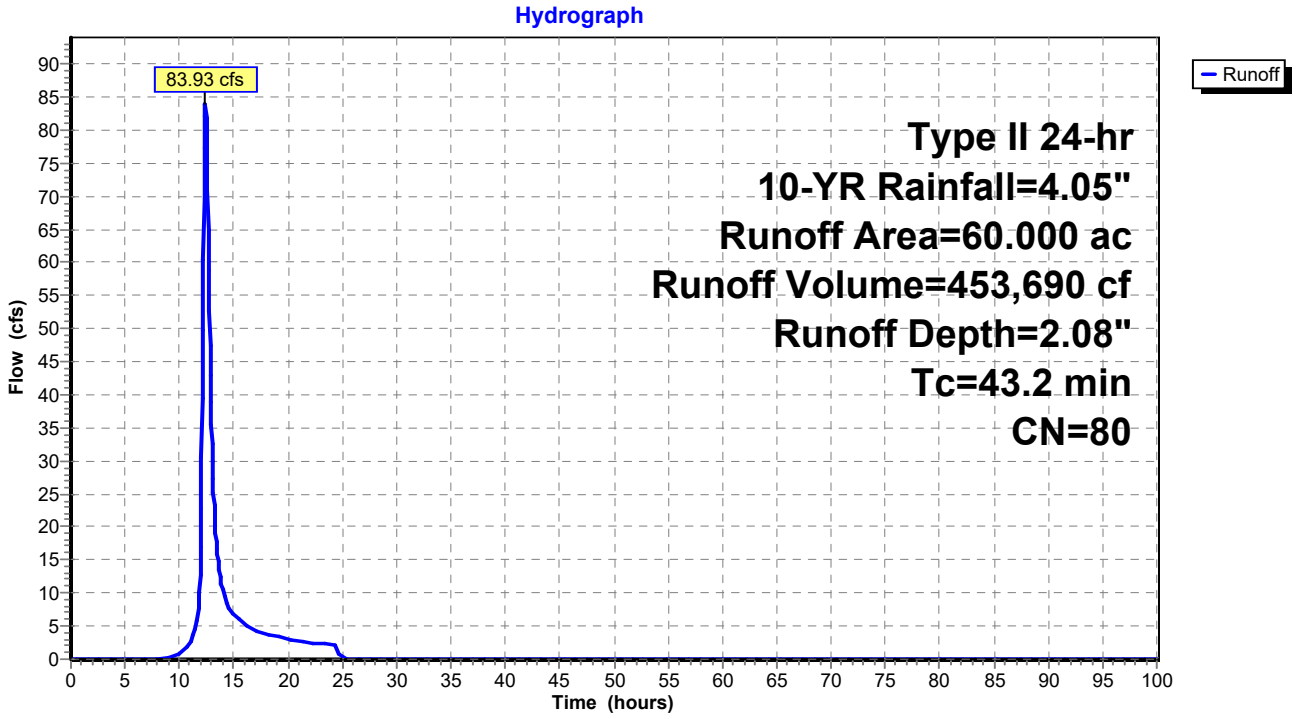
Runoff = 83.93 cfs @ 12.41 hrs, Volume= 453,690 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	60.000	80	
	60.000		100.00% Pervious Area

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

Subcatchment 3S: PRE - 17



Summary for Subcatchment 4S: POST - 17

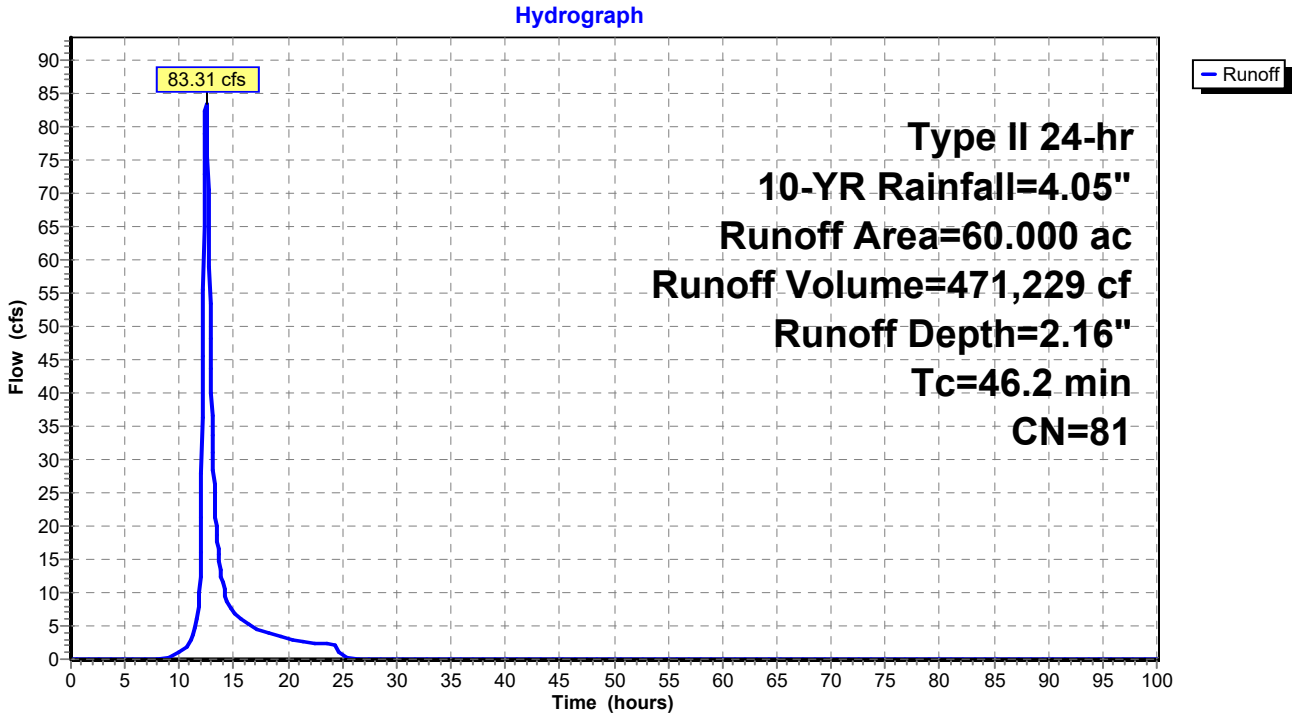
Runoff = 83.31 cfs @ 12.45 hrs, Volume= 471,229 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	60.000	81	
	60.000		100.00% Pervious Area

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

Subcatchment 4S: POST - 17



Summary for Subcatchment 5S: PRE - 18

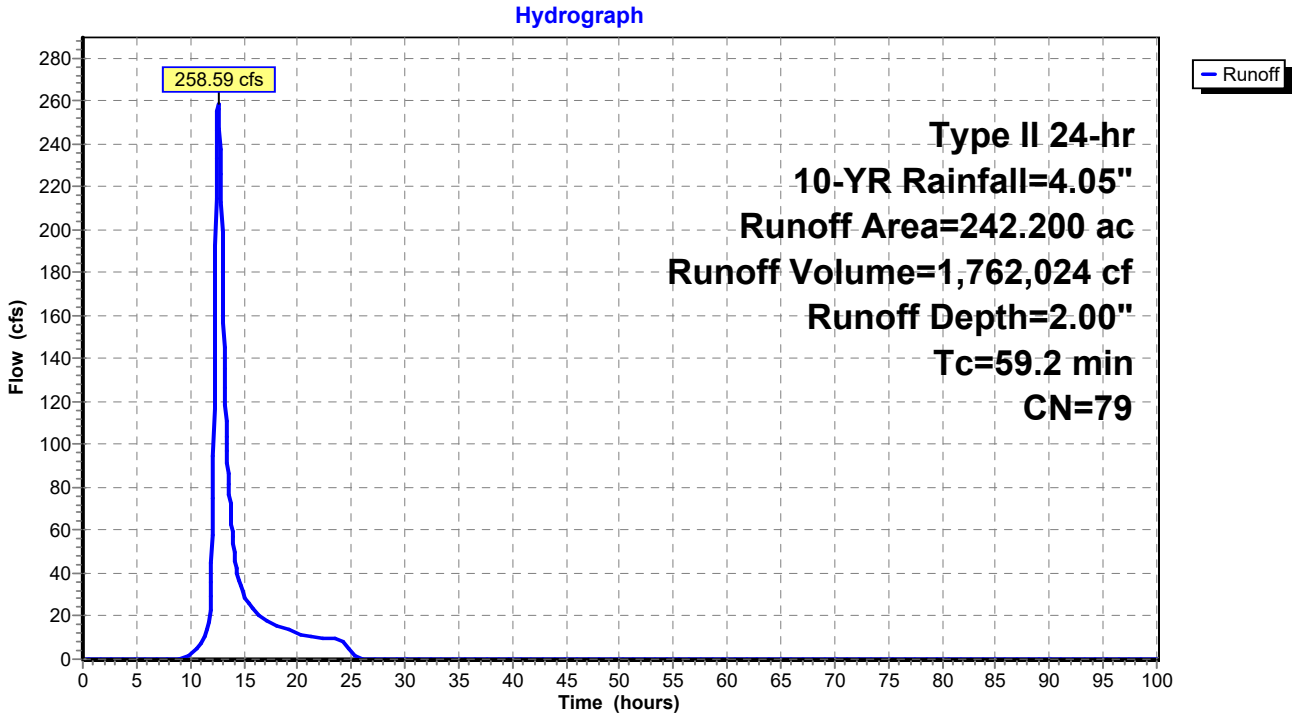
Runoff = 258.59 cfs @ 12.62 hrs, Volume= 1,762,024 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	242.200	79	
	242.200		100.00% Pervious Area

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

Subcatchment 5S: PRE - 18



Summary for Subcatchment 6S: POST - 18

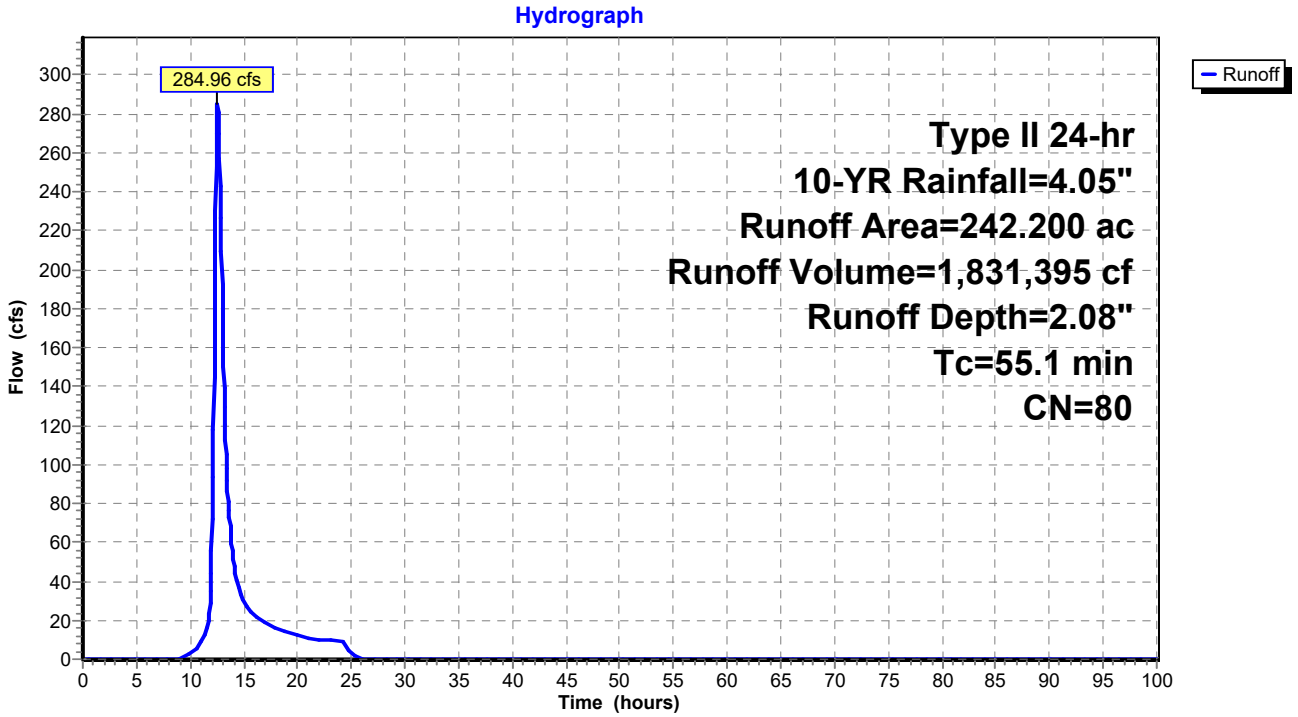
Runoff = 284.96 cfs @ 12.56 hrs, Volume= 1,831,395 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	242.200	80	
	242.200		100.00% Pervious Area

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

Subcatchment 6S: POST - 18



Summary for Subcatchment 7S: PRE - 19

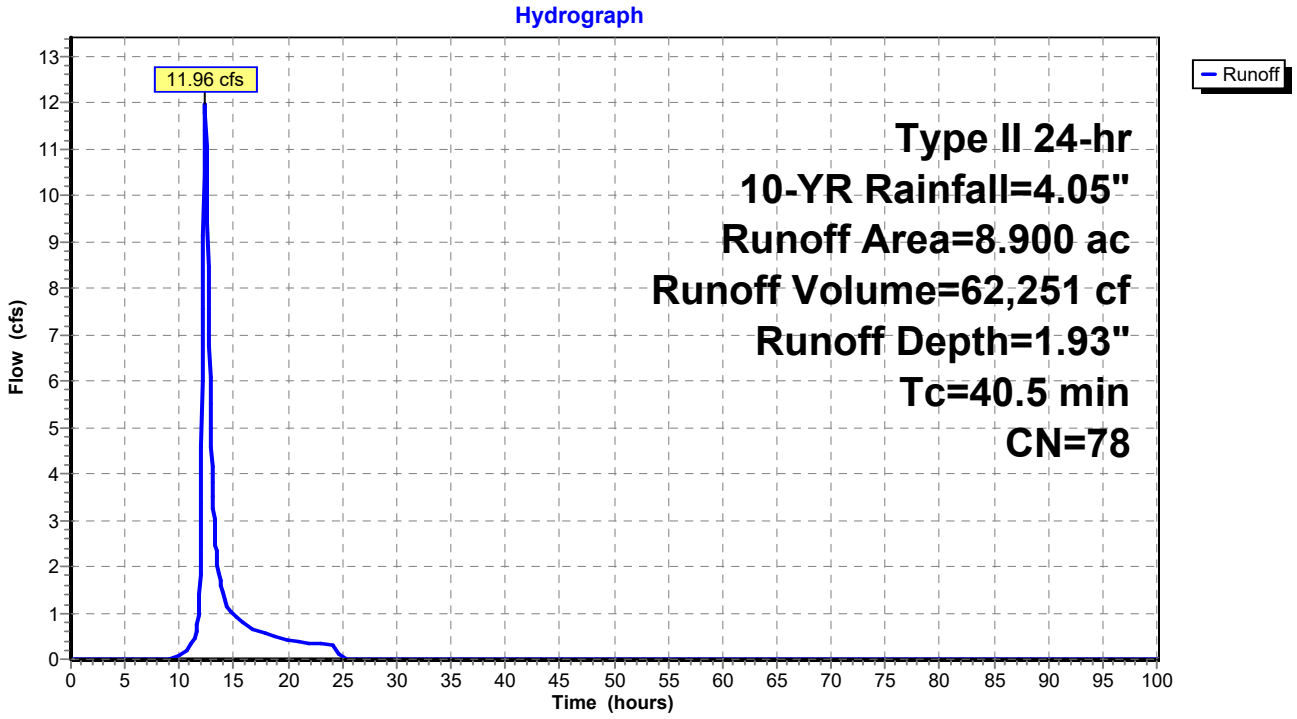
Runoff = 11.96 cfs @ 12.38 hrs, Volume= 62,251 cf, Depth= 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	8.900	78	
	8.900		100.00% Pervious Area

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

Subcatchment 7S: PRE - 19



Summary for Subcatchment 8S: POST - 19

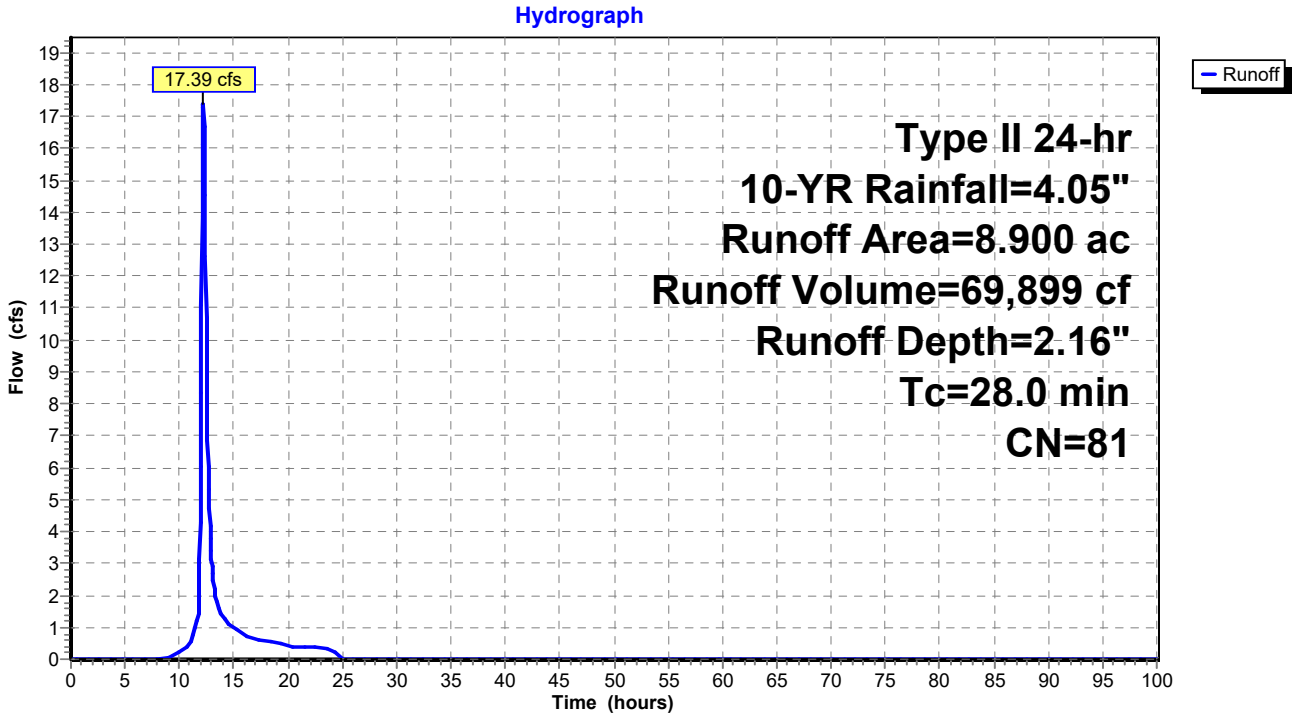
Runoff = 17.39 cfs @ 12.22 hrs, Volume= 69,899 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	8.900	81	
	8.900		100.00% Pervious Area

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

Subcatchment 8S: POST - 19



Summary for Subcatchment 9S: PRE - 20

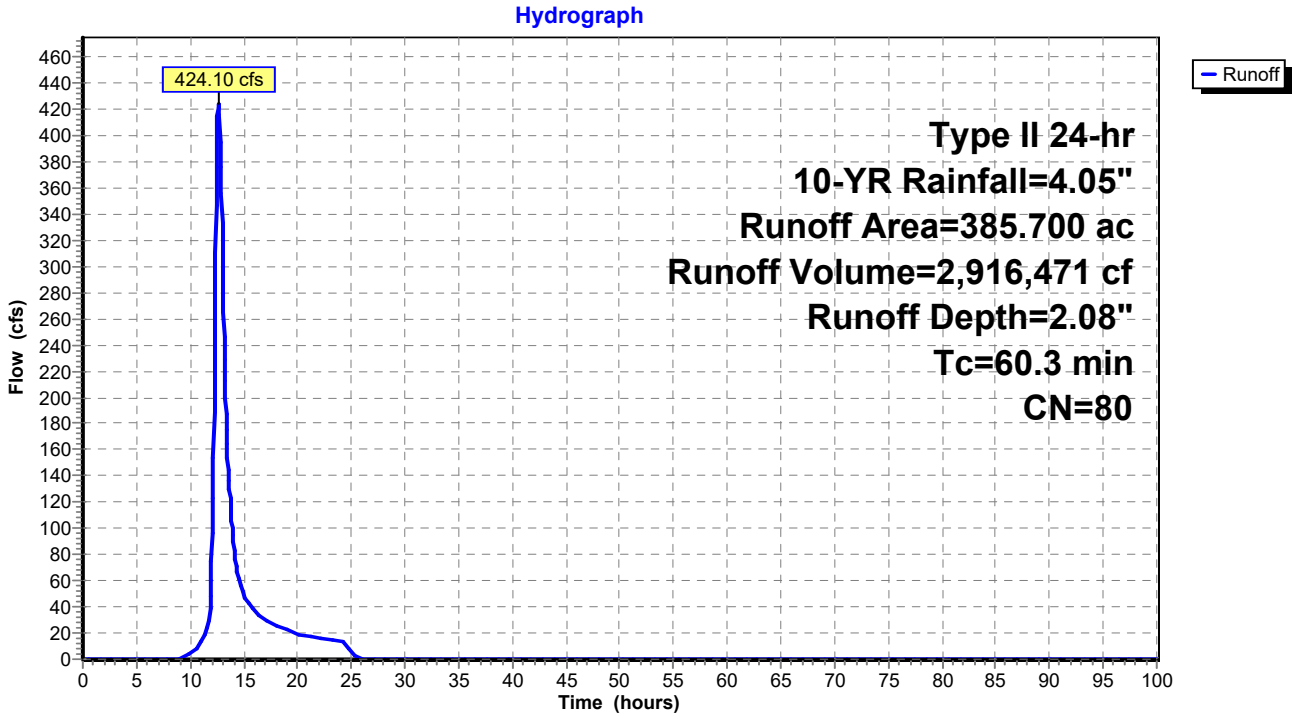
Runoff = 424.10 cfs @ 12.64 hrs, Volume= 2,916,471 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	385.700	80	
	385.700		100.00% Pervious Area

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

Subcatchment 9S: PRE - 20



Summary for Subcatchment 10S: POST - 20

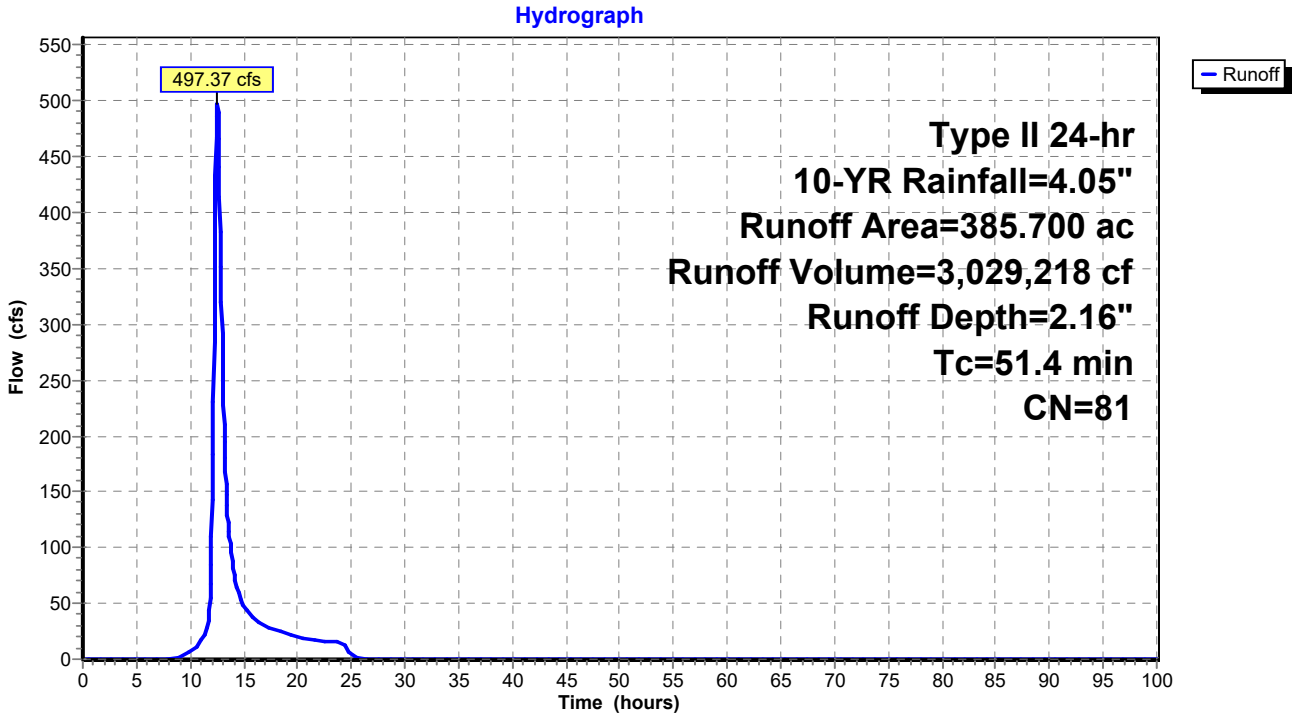
Runoff = 497.37 cfs @ 12.51 hrs, Volume= 3,029,218 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	385.700	81	
	385.700		100.00% Pervious Area

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

Subcatchment 10S: POST - 20



Summary for Subcatchment 11S: PRE - 21

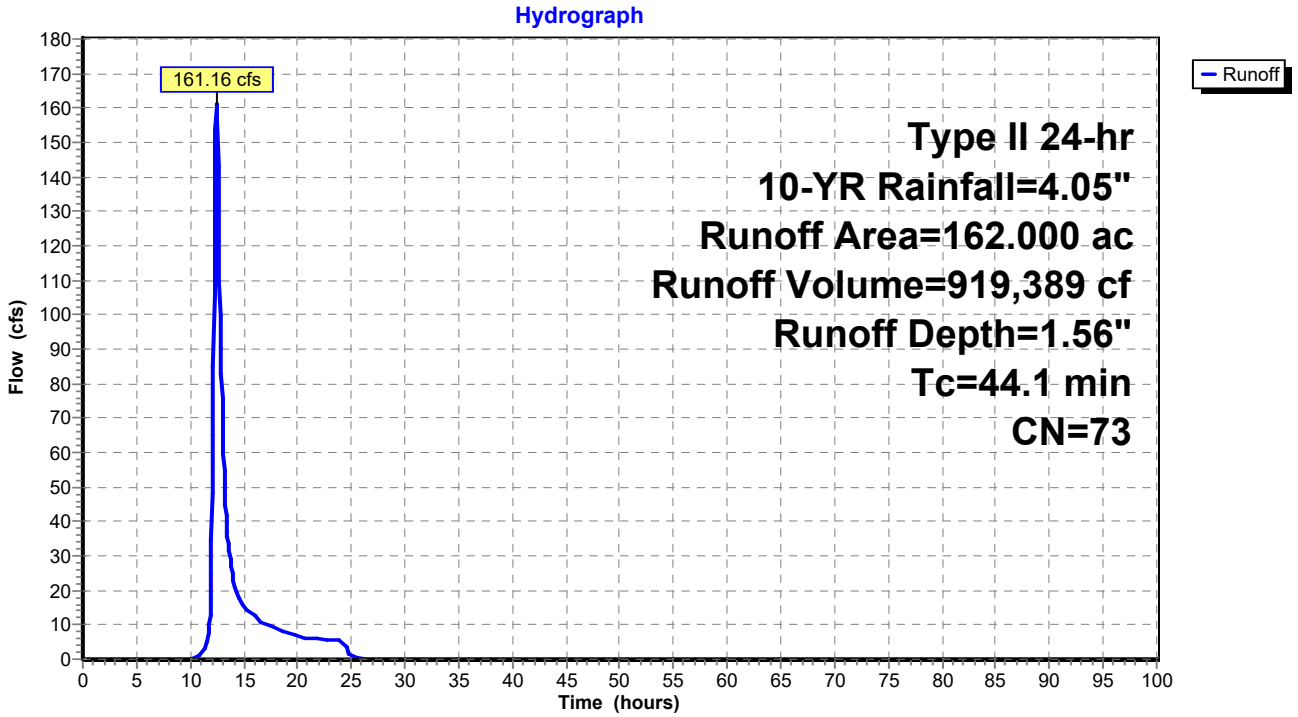
Runoff = 161.16 cfs @ 12.44 hrs, Volume= 919,389 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	162.000	73	
	162.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 21



Summary for Subcatchment 12S: POST - 21

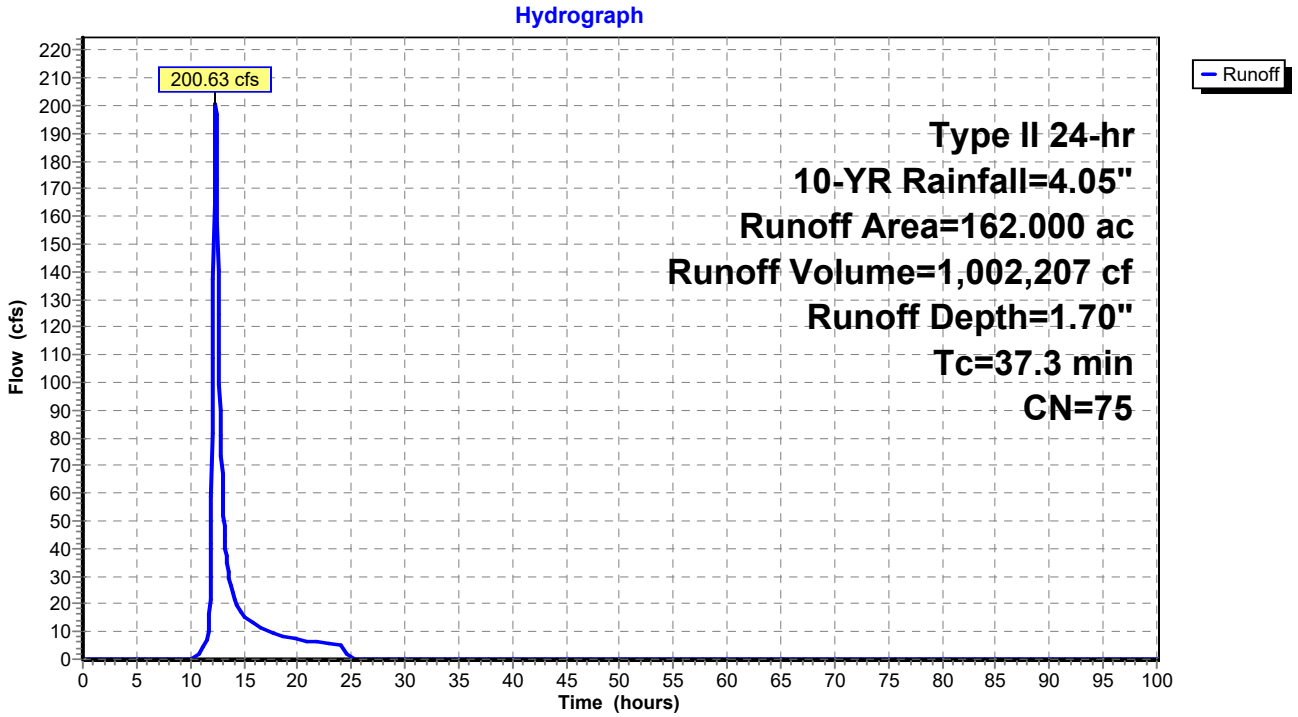
Runoff = 200.63 cfs @ 12.35 hrs, Volume= 1,002,207 cf, Depth= 1.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	162.000	75	
	162.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 21



Summary for Subcatchment 13S: PRE - 22

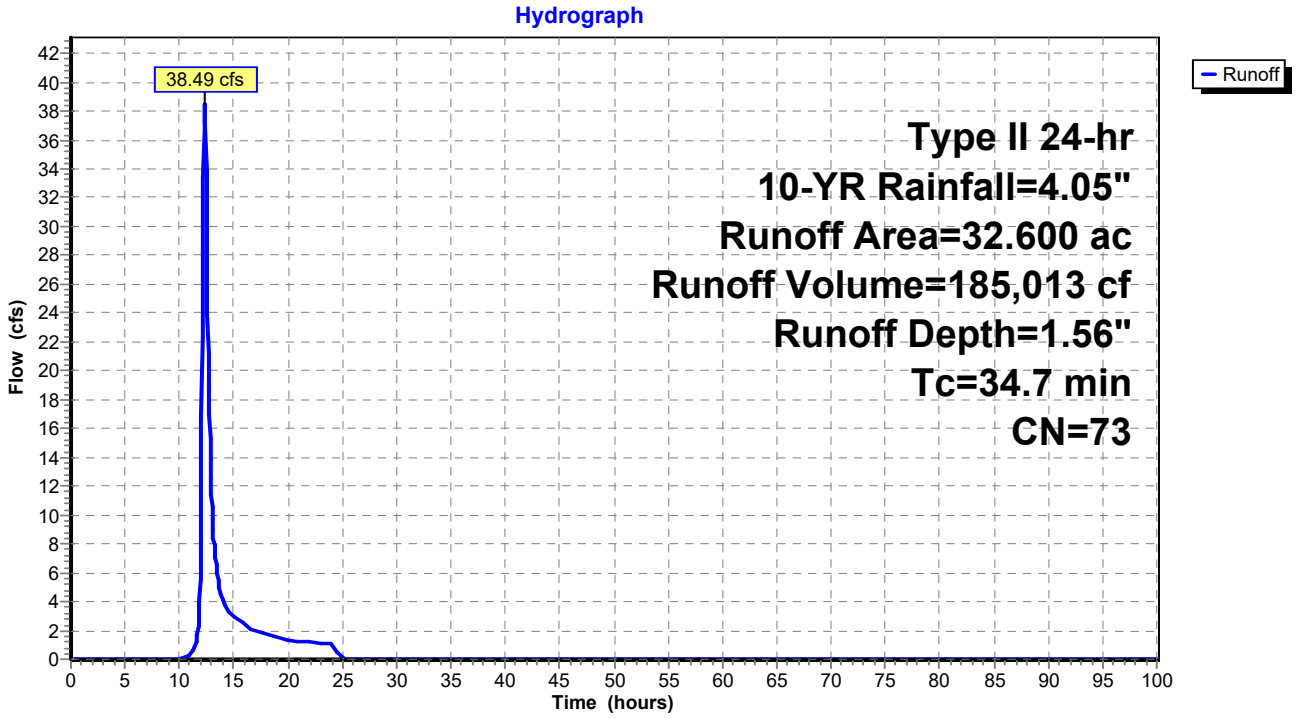
Runoff = 38.49 cfs @ 12.32 hrs, Volume= 185,013 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	32.600	73	
	32.600		100.00% Pervious Area

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

Subcatchment 13S: PRE - 22



Summary for Subcatchment 14S: POST - 22

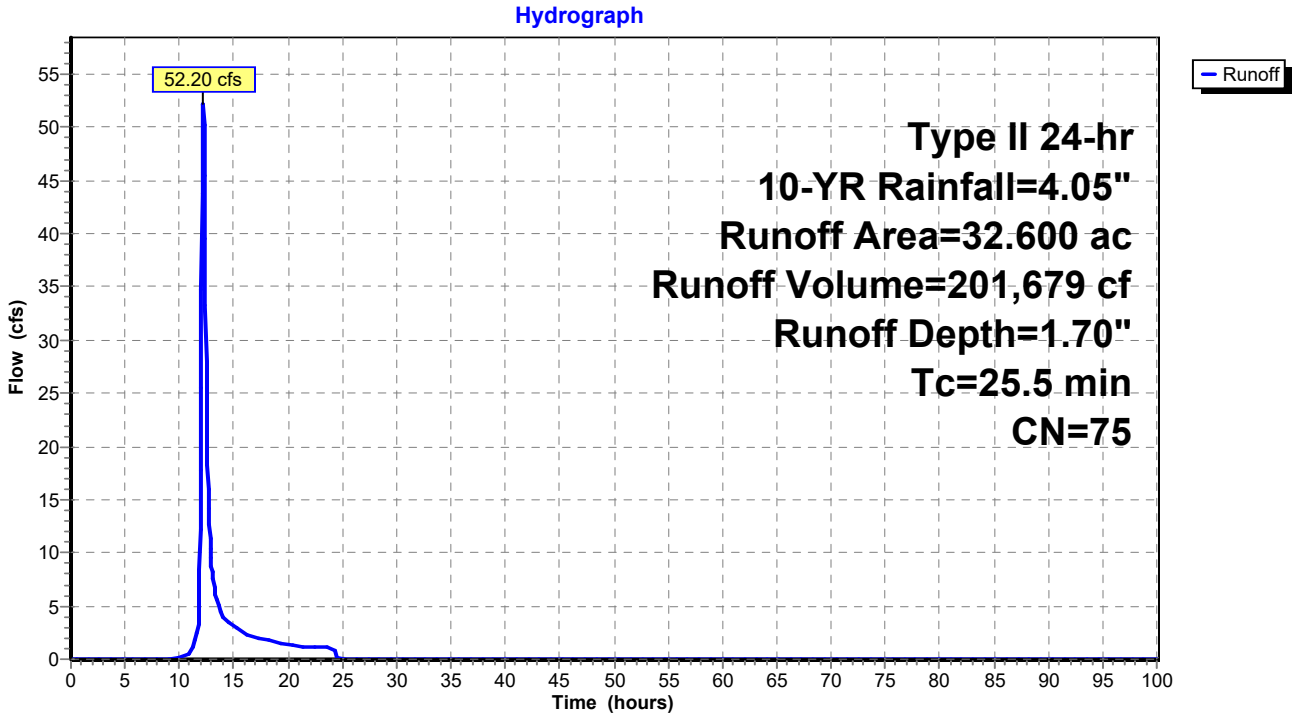
Runoff = 52.20 cfs @ 12.20 hrs, Volume= 201,679 cf, Depth= 1.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	32.600	75	
	32.600		100.00% Pervious Area

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

Subcatchment 14S: POST - 22



Summary for Subcatchment 15S: PRE - 23

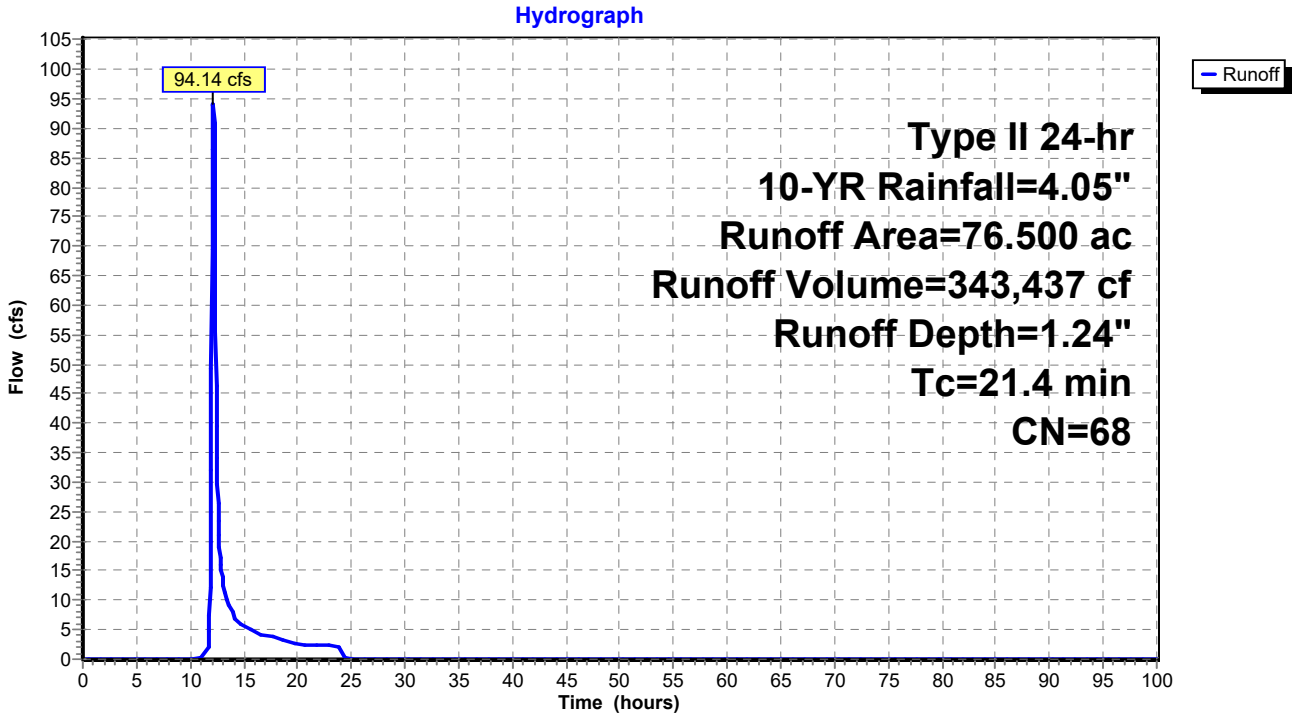
Runoff = 94.14 cfs @ 12.16 hrs, Volume= 343,437 cf, Depth= 1.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	76.500	68	
	76.500		100.00% Pervious Area

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

Subcatchment 15S: PRE - 23



Summary for Subcatchment 16S: POST - 23

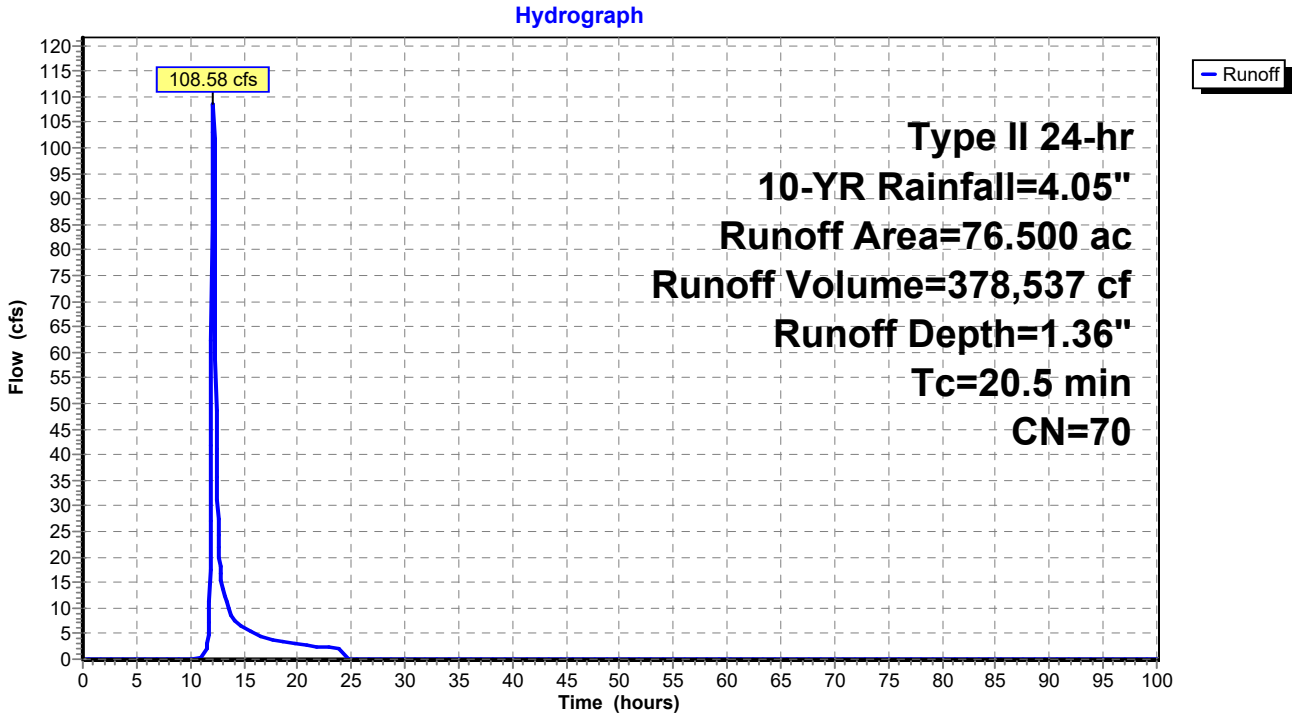
Runoff = 108.58 cfs @ 12.15 hrs, Volume= 378,537 cf, Depth= 1.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	76.500	70	
	76.500		100.00% Pervious Area

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

Subcatchment 16S: POST - 23



Summary for Subcatchment 17S: PRE - 24

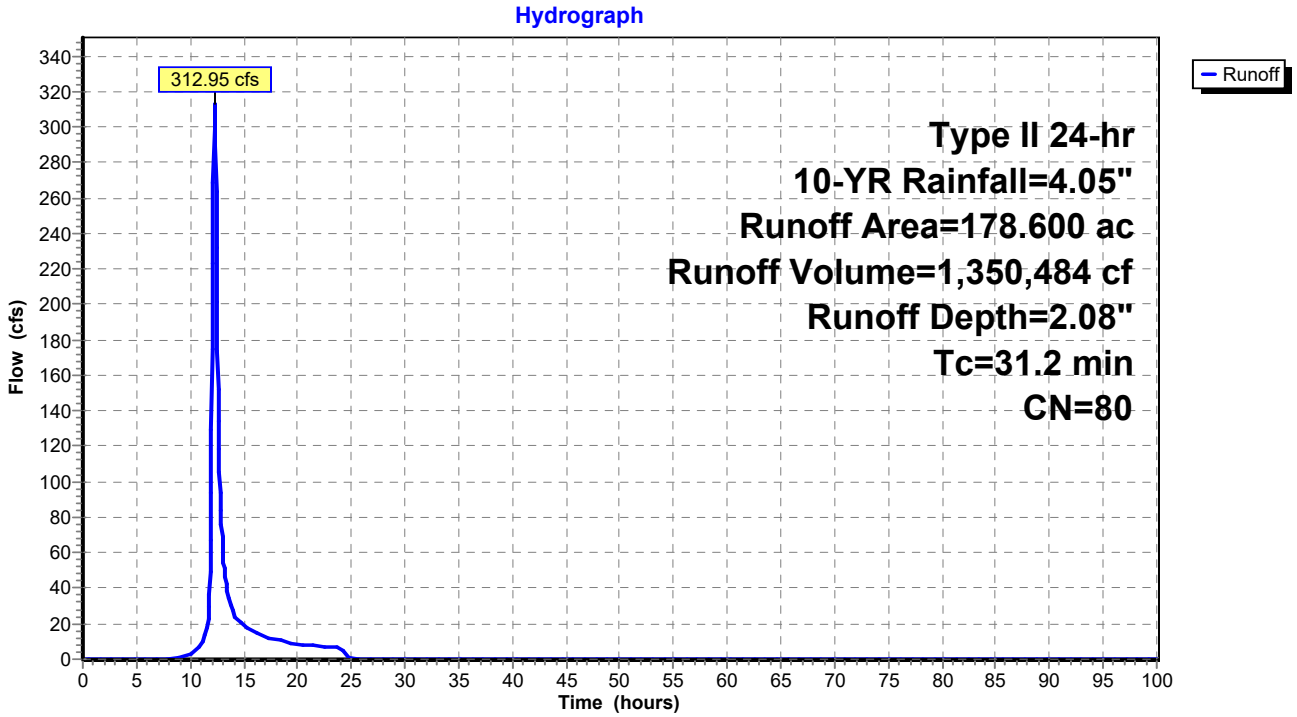
Runoff = 312.95 cfs @ 12.26 hrs, Volume= 1,350,484 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 17S: PRE - 24



Summary for Subcatchment 18S: POST - 24

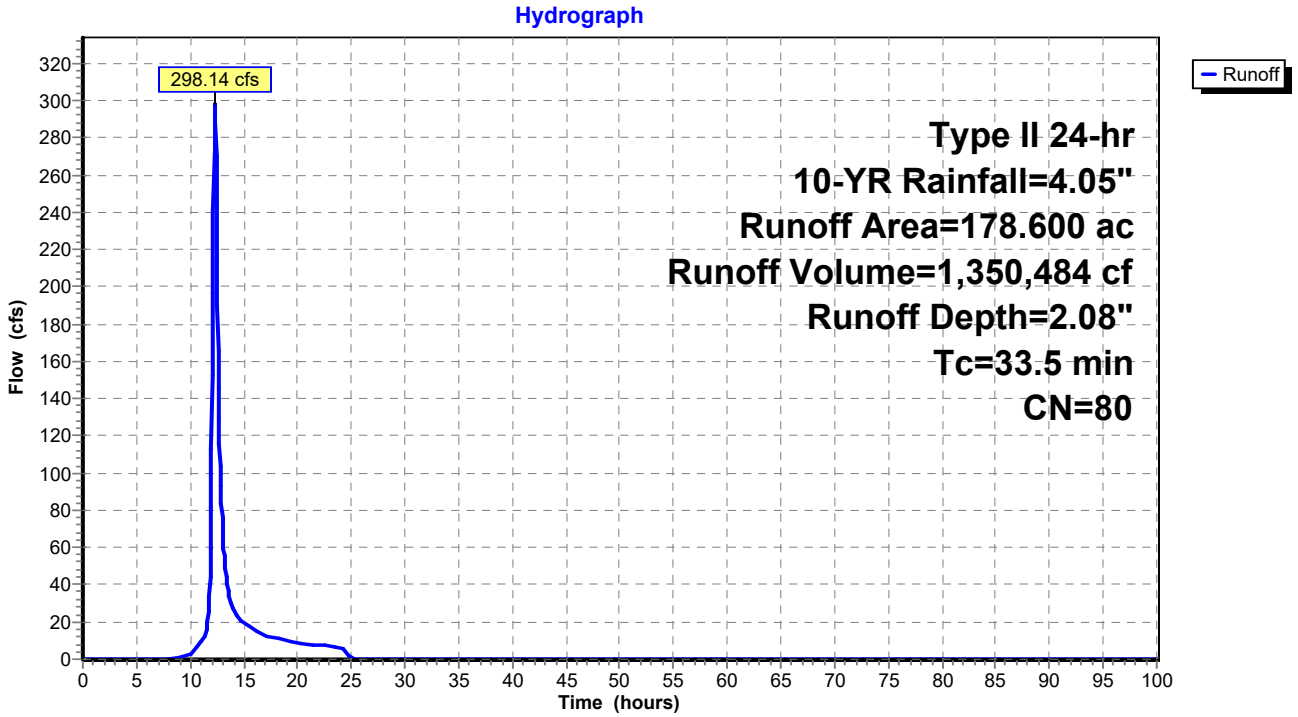
Runoff = 298.14 cfs @ 12.29 hrs, Volume= 1,350,484 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 18S: POST - 24



Summary for Subcatchment 19S: PRE - 25

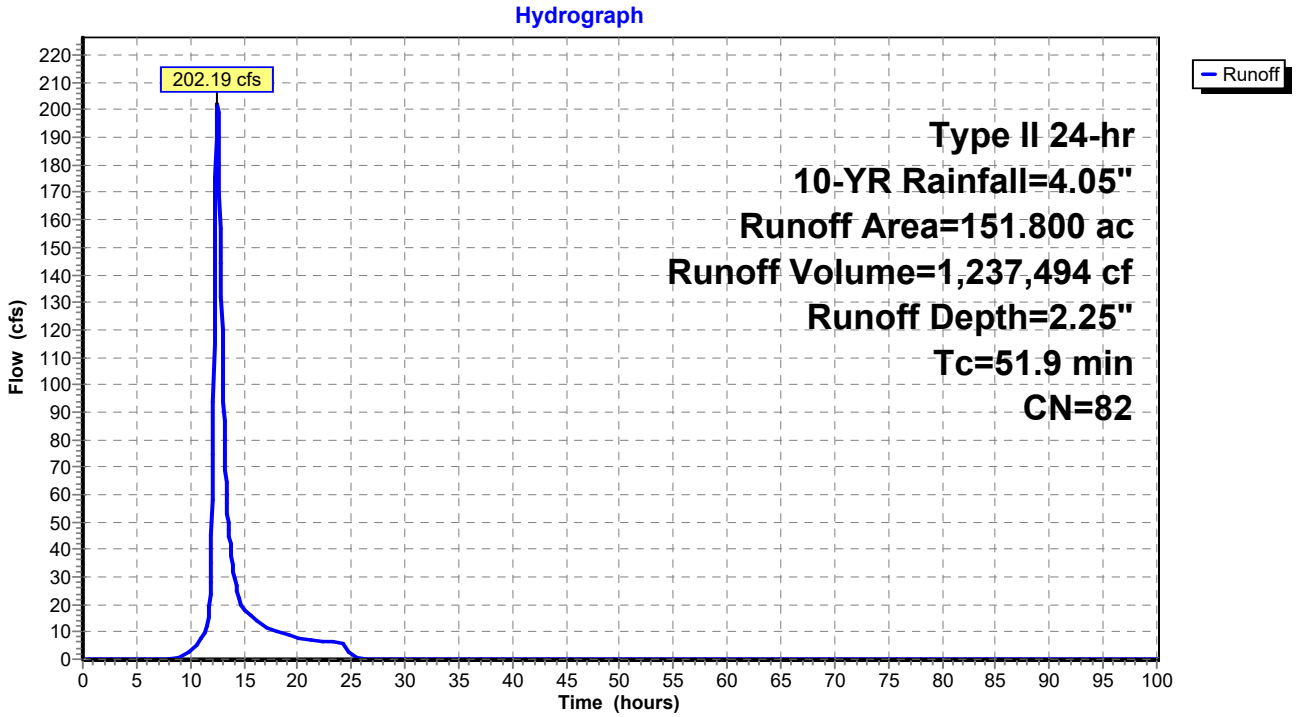
Runoff = 202.19 cfs @ 12.52 hrs, Volume= 1,237,494 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 19S: PRE - 25



Summary for Subcatchment 20S: POST - 25

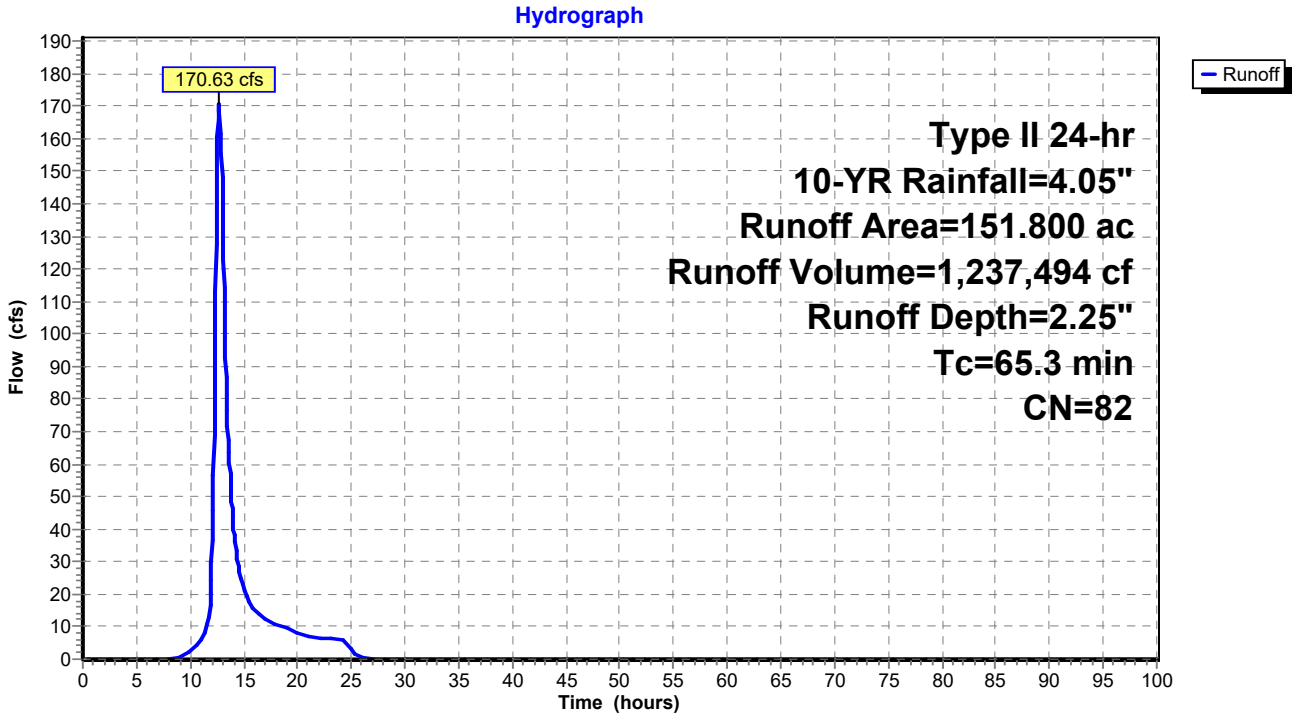
Runoff = 170.63 cfs @ 12.70 hrs, Volume= 1,237,494 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 20S: POST - 25



Summary for Subcatchment 21S: PRE - 26

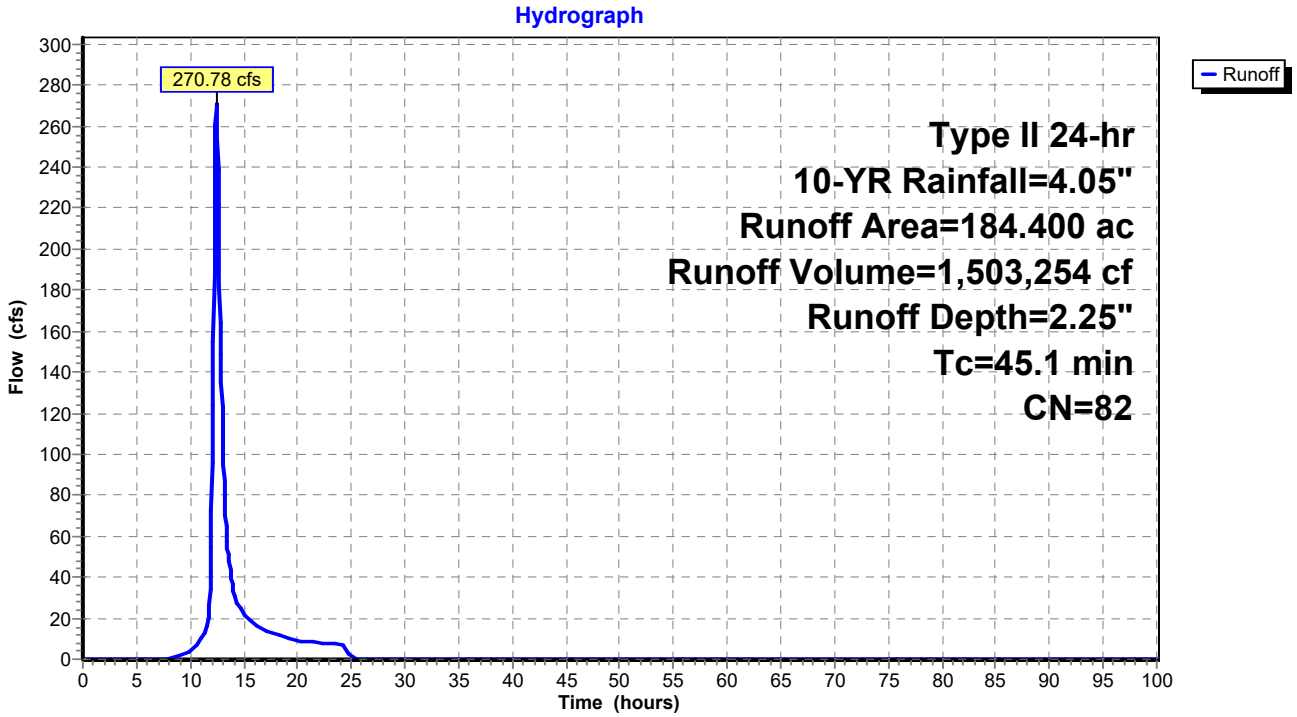
Runoff = 270.78 cfs @ 12.43 hrs, Volume= 1,503,254 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	184.400	82	
	184.400		100.00% Pervious Area

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

Subcatchment 21S: PRE - 26



Summary for Subcatchment 22S: POST - 26

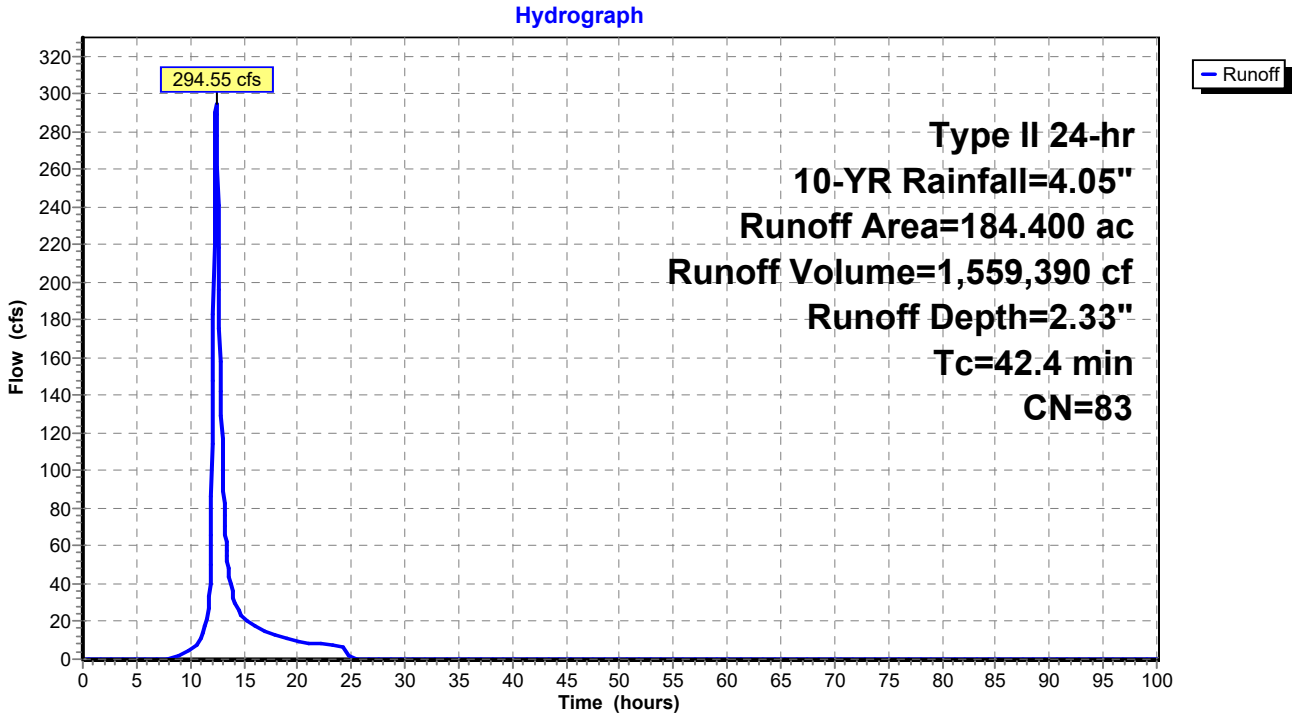
Runoff = 294.55 cfs @ 12.40 hrs, Volume= 1,559,390 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	184.400	83	
	184.400		100.00% Pervious Area

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

Subcatchment 22S: POST - 26



Summary for Subcatchment 23S: PRE - 27

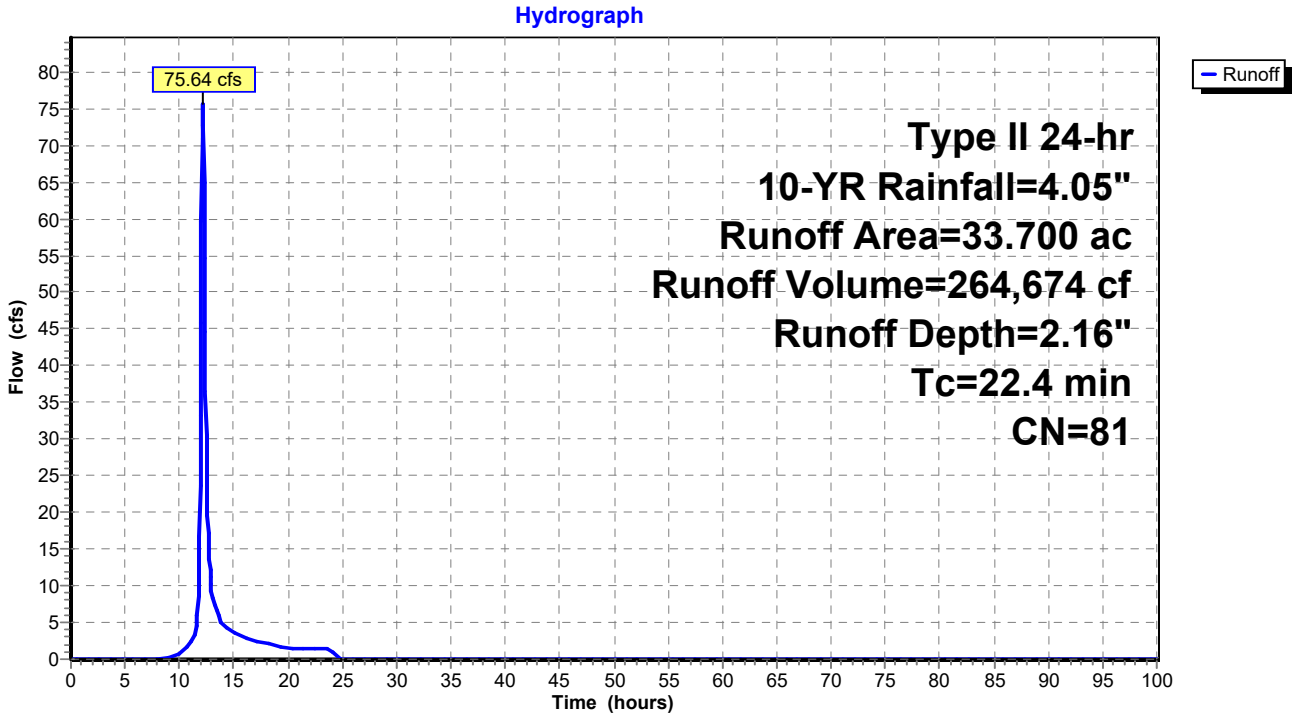
Runoff = 75.64 cfs @ 12.16 hrs, Volume= 264,674 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	33.700	81	
	33.700		100.00% Pervious Area

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

Subcatchment 23S: PRE - 27



Summary for Subcatchment 24S: POST - 27

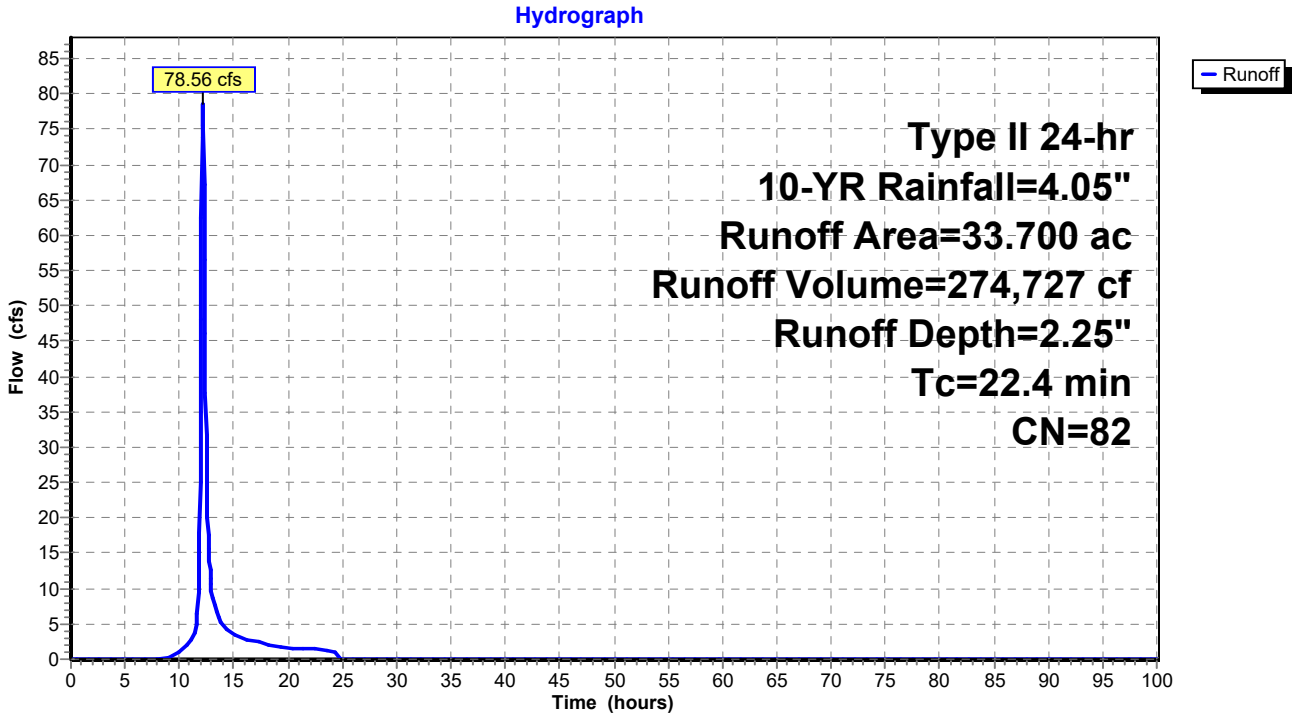
Runoff = 78.56 cfs @ 12.16 hrs, Volume= 274,727 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	33.700	82	
	33.700		100.00% Pervious Area

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

Subcatchment 24S: POST - 27



Summary for Subcatchment 25S: PRE - 28

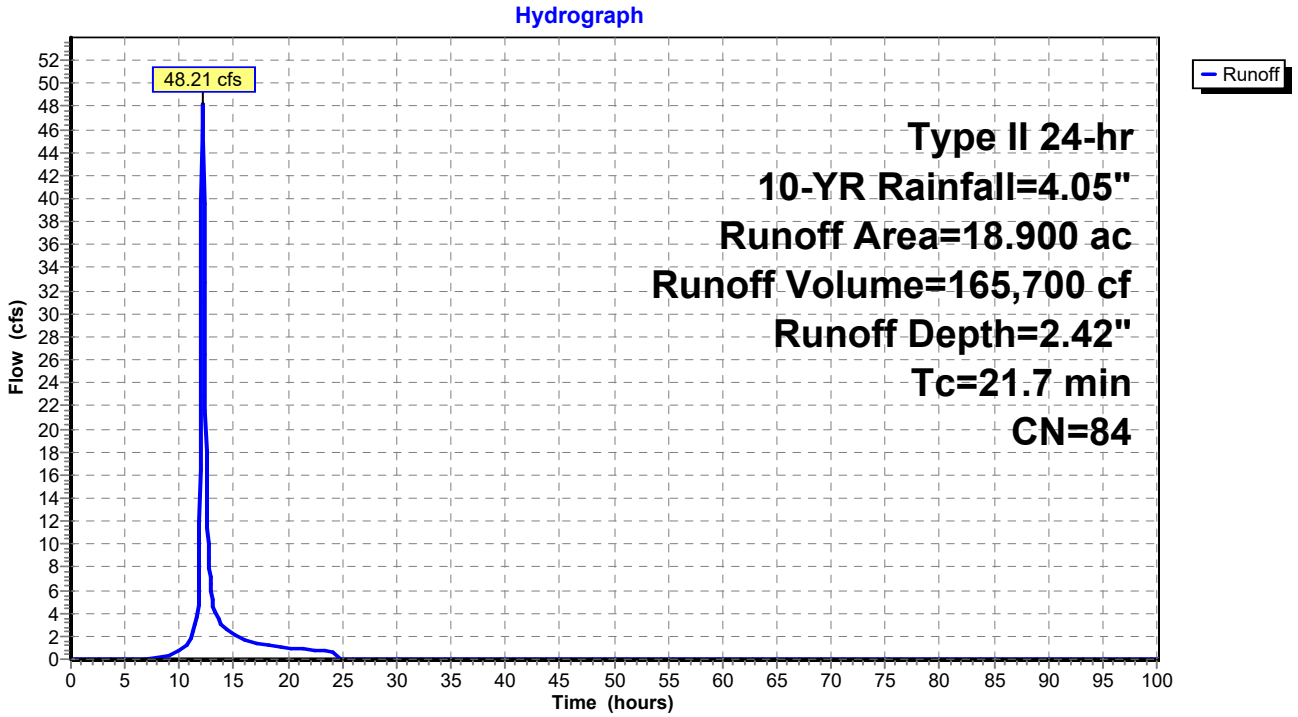
Runoff = 48.21 cfs @ 12.15 hrs, Volume= 165,700 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 25S: PRE - 28



Summary for Subcatchment 26S: POST - 28

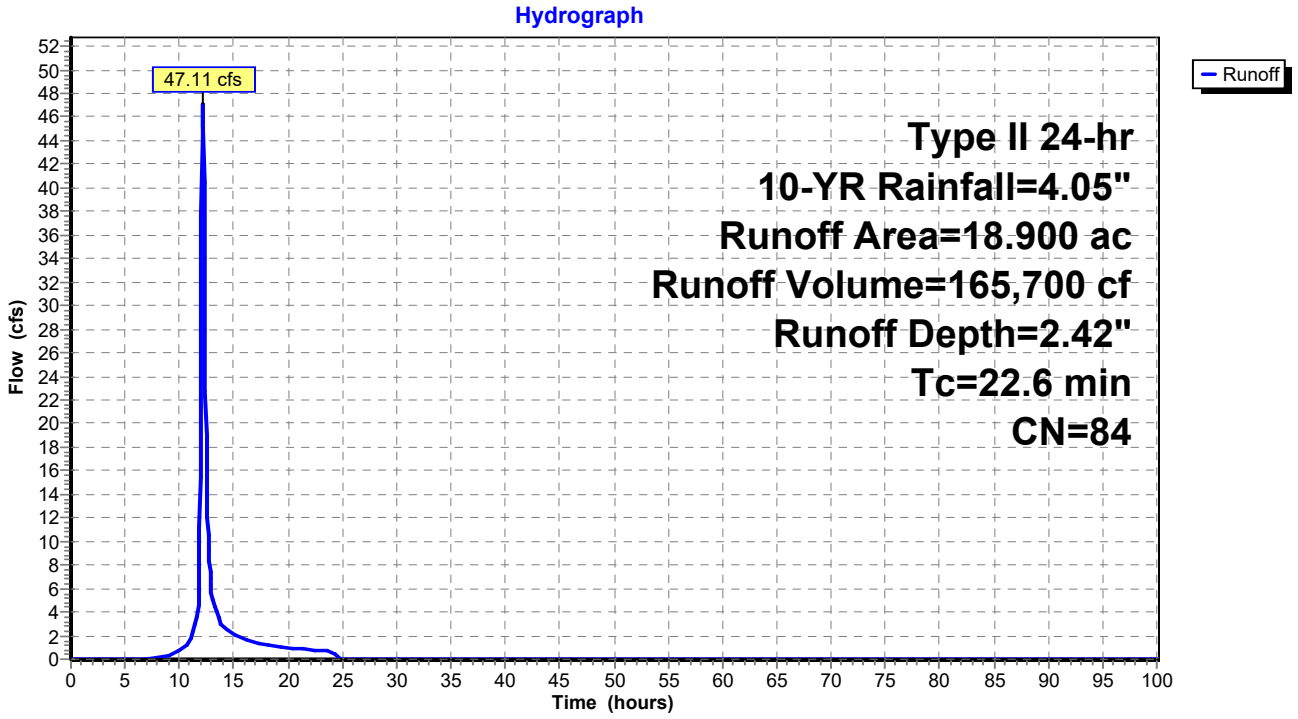
Runoff = 47.11 cfs @ 12.16 hrs, Volume= 165,700 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 26S: POST - 28



Summary for Subcatchment 27S: PRE - 29

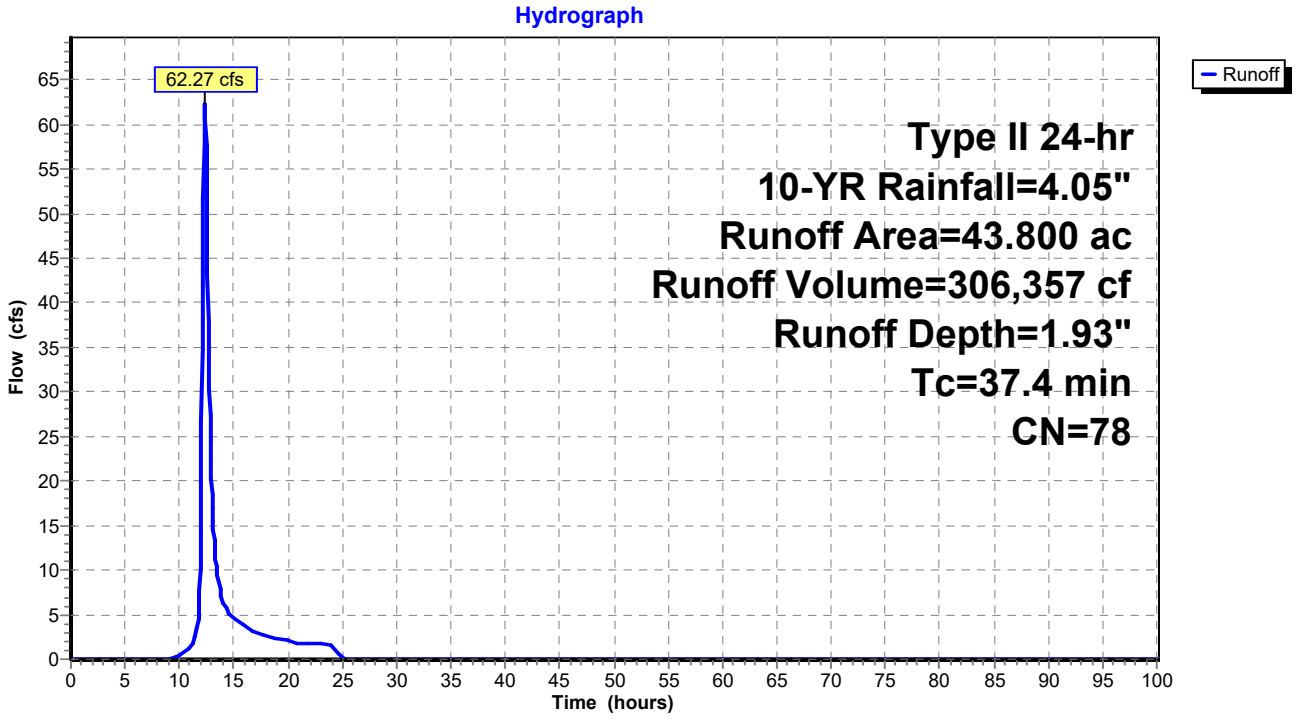
Runoff = 62.27 cfs @ 12.34 hrs, Volume= 306,357 cf, Depth= 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	43.800	78	
	43.800		100.00% Pervious Area

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

Subcatchment 27S: PRE - 29



Summary for Subcatchment 28S: POST - 29

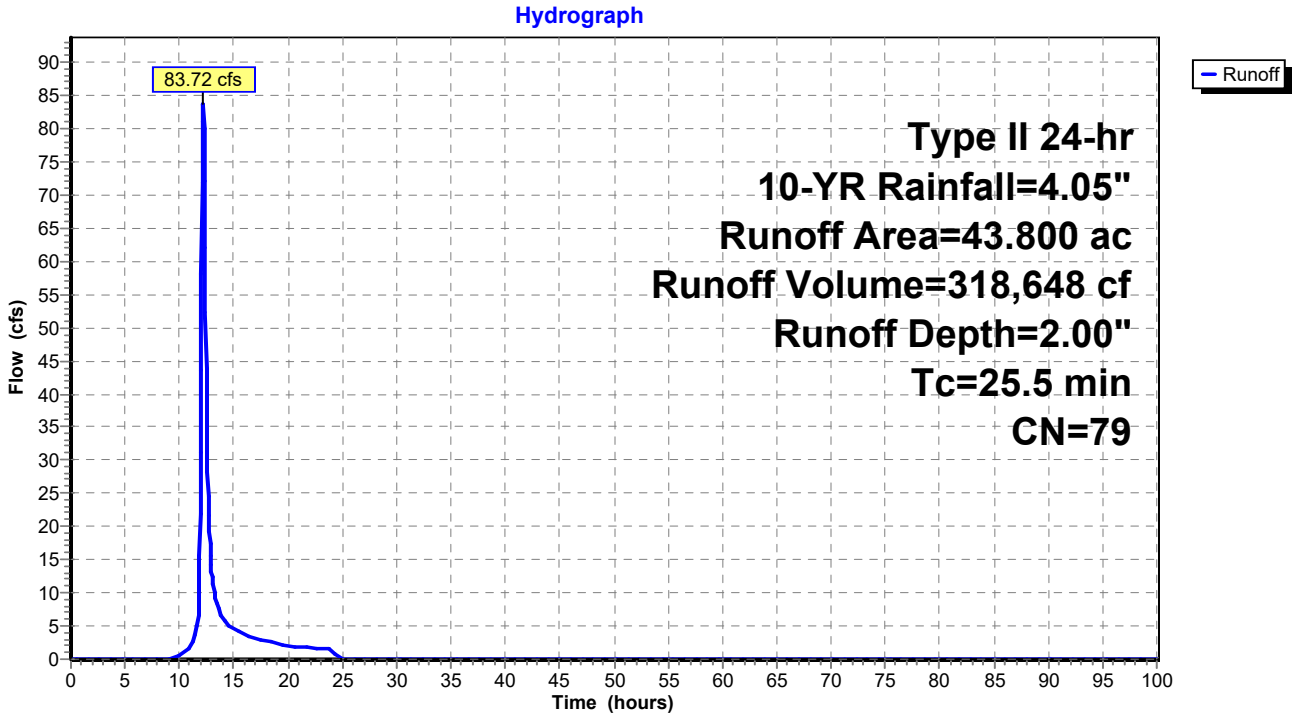
Runoff = 83.72 cfs @ 12.20 hrs, Volume= 318,648 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	43.800	79	
	43.800		100.00% Pervious Area

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

Subcatchment 28S: POST - 29



Summary for Subcatchment 29S: PRE - 30

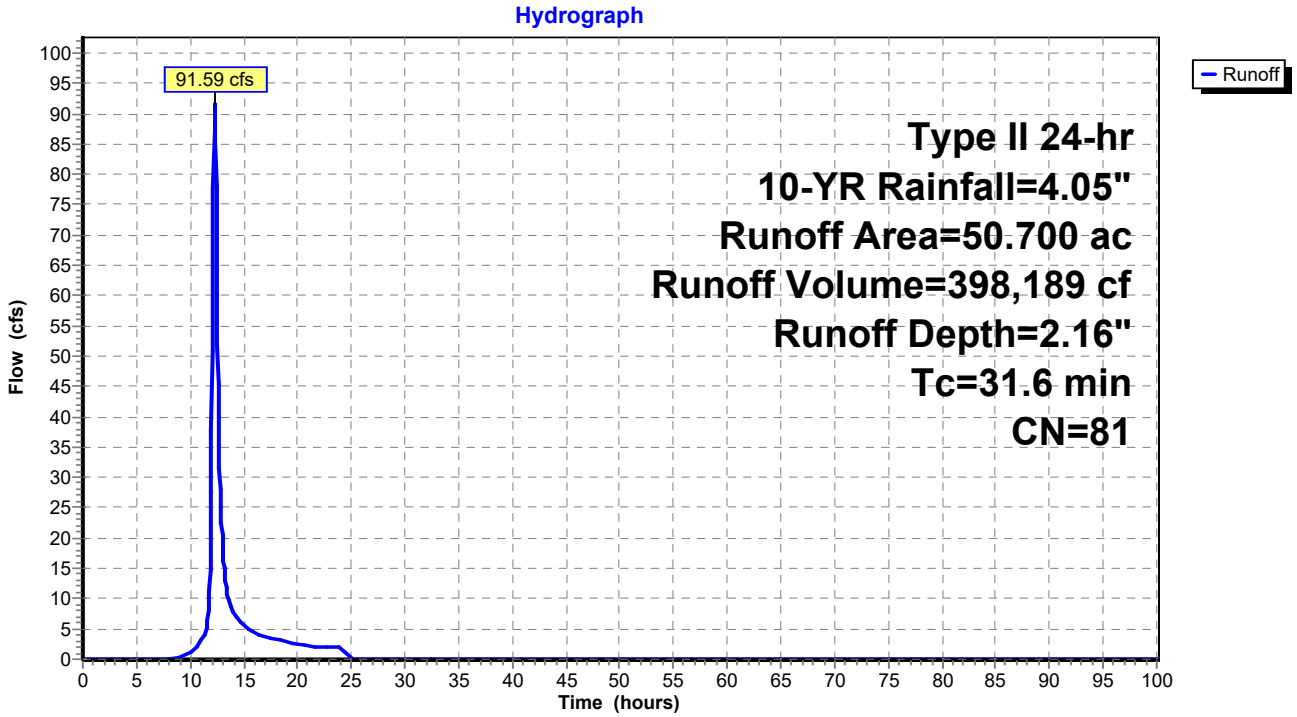
Runoff = 91.59 cfs @ 12.27 hrs, Volume= 398,189 cf, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	50.700	81	
	50.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 30



Summary for Subcatchment 30S: POST - 30

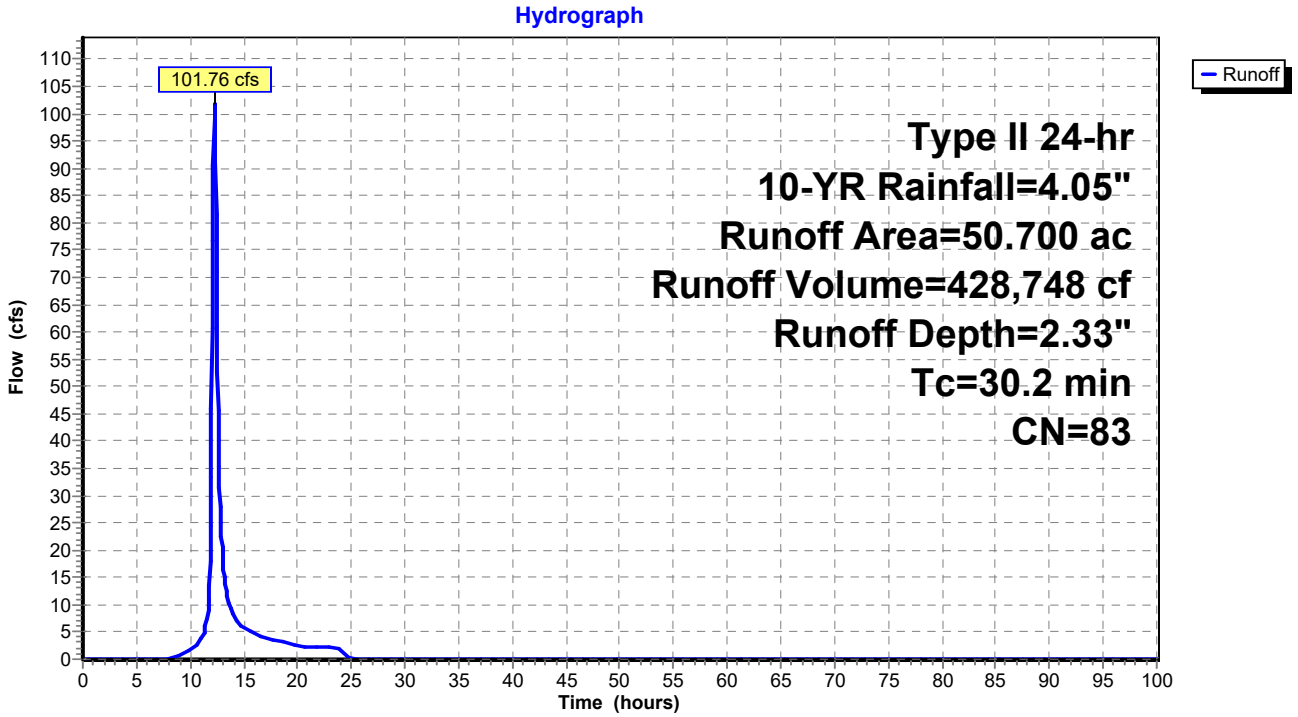
Runoff = 101.76 cfs @ 12.25 hrs, Volume= 428,748 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	50.700	83	
	50.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 30



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=4.28"
Tc=54.4 min CN=83 Runoff=142.85 cfs 905,213 cf

Subcatchment2S: POST - 16 Runoff Area=58.300 ac 0.00% Impervious Runoff Depth=4.28"
Tc=57.2 min CN=83 Runoff=137.68 cfs 905,213 cf

Subcatchment3S: PRE - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=3.96"
Tc=43.2 min CN=80 Runoff=160.81 cfs 862,966 cf

Subcatchment4S: POST - 17 Runoff Area=60.000 ac 0.00% Impervious Runoff Depth=4.07"
Tc=46.2 min CN=81 Runoff=157.28 cfs 885,671 cf

Subcatchment5S: PRE - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=3.86"
Tc=59.2 min CN=79 Runoff=504.73 cfs 3,392,563 cf

Subcatchment6S: POST - 18 Runoff Area=242.200 ac 0.00% Impervious Runoff Depth=3.96"
Tc=55.1 min CN=80 Runoff=547.17 cfs 3,483,506 cf

Subcatchment7S: PRE - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=3.76"
Tc=40.5 min CN=78 Runoff=23.69 cfs 121,349 cf

Subcatchment8S: POST - 19 Runoff Area=8.900 ac 0.00% Impervious Runoff Depth=4.07"
Tc=28.0 min CN=81 Runoff=32.65 cfs 131,375 cf

Subcatchment9S: PRE - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=3.96"
Tc=60.3 min CN=80 Runoff=814.25 cfs 5,547,434 cf

Subcatchment10S: POST - 20 Runoff Area=385.700 ac 0.00% Impervious Runoff Depth=4.07"
Tc=51.4 min CN=81 Runoff=939.90 cfs 5,693,391 cf

Subcatchment11S: PRE - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=3.26"
Tc=44.1 min CN=73 Runoff=349.91 cfs 1,914,287 cf

Subcatchment12S: POST - 21 Runoff Area=162.000 ac 0.00% Impervious Runoff Depth=3.45"
Tc=37.3 min CN=75 Runoff=417.54 cfs 2,030,649 cf

Subcatchment13S: PRE - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=3.26"
Tc=34.7 min CN=73 Runoff=83.09 cfs 385,221 cf

Subcatchment14S: POST - 22 Runoff Area=32.600 ac 0.00% Impervious Runoff Depth=3.45"
Tc=25.5 min CN=75 Runoff=107.89 cfs 408,637 cf

Subcatchment15S: PRE - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=2.78"
Tc=21.4 min CN=68 Runoff=223.98 cfs 770,692 cf

Subcatchment16S: POST - 23 Runoff Area=76.500 ac 0.00% Impervious Runoff Depth=2.96"
Tc=20.5 min CN=70 Runoff=246.22 cfs 823,291 cf

Subcatchment17S: PRE - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=3.96"
Tc=31.2 min CN=80 Runoff=597.48 cfs 2,568,762 cf

Subcatchment18S: POST - 24 Runoff Area=178.600 ac 0.00% Impervious Runoff Depth=3.96"
Tc=33.5 min CN=80 Runoff=569.80 cfs 2,568,762 cf

Subcatchment19S: PRE - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=4.17"
Tc=51.9 min CN=82 Runoff=376.40 cfs 2,298,637 cf

Subcatchment20S: POST - 25 Runoff Area=151.800 ac 0.00% Impervious Runoff Depth=4.17"
Tc=65.3 min CN=82 Runoff=317.92 cfs 2,298,637 cf

Subcatchment21S: PRE - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=4.17"
Tc=45.1 min CN=82 Runoff=503.88 cfs 2,792,284 cf

Subcatchment22S: POST - 26 Runoff Area=184.400 ac 0.00% Impervious Runoff Depth=4.28"
Tc=42.4 min CN=83 Runoff=539.40 cfs 2,863,142 cf

Subcatchment23S: PRE - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=4.07"
Tc=22.4 min CN=81 Runoff=141.53 cfs 497,452 cf

Subcatchment24S: POST - 27 Runoff Area=33.700 ac 0.00% Impervious Runoff Depth=4.17"
Tc=22.4 min CN=82 Runoff=144.87 cfs 510,303 cf

Subcatchment25S: PRE - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=4.38"
Tc=21.7 min CN=84 Runoff=86.38 cfs 300,774 cf

Subcatchment26S: POST - 28 Runoff Area=18.900 ac 0.00% Impervious Runoff Depth=4.38"
Tc=22.6 min CN=84 Runoff=84.45 cfs 300,774 cf

Subcatchment27S: PRE - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=3.76"
Tc=37.4 min CN=78 Runoff=123.01 cfs 597,201 cf

Subcatchment28S: POST - 29 Runoff Area=43.800 ac 0.00% Impervious Runoff Depth=3.86"
Tc=25.5 min CN=79 Runoff=161.85 cfs 613,519 cf

Subcatchment29S: PRE - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=4.07"
Tc=31.6 min CN=81 Runoff=172.28 cfs 748,392 cf

Subcatchment30S: POST - 30 Runoff Area=50.700 ac 0.00% Impervious Runoff Depth=4.28"
Tc=30.2 min CN=83 Runoff=185.71 cfs 787,209 cf

Total Runoff Area = 147,067,272 sf Runoff Volume = 48,007,307 cf Average Runoff Depth = 3.92"
100.00% Pervious = 147,067,272 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 16

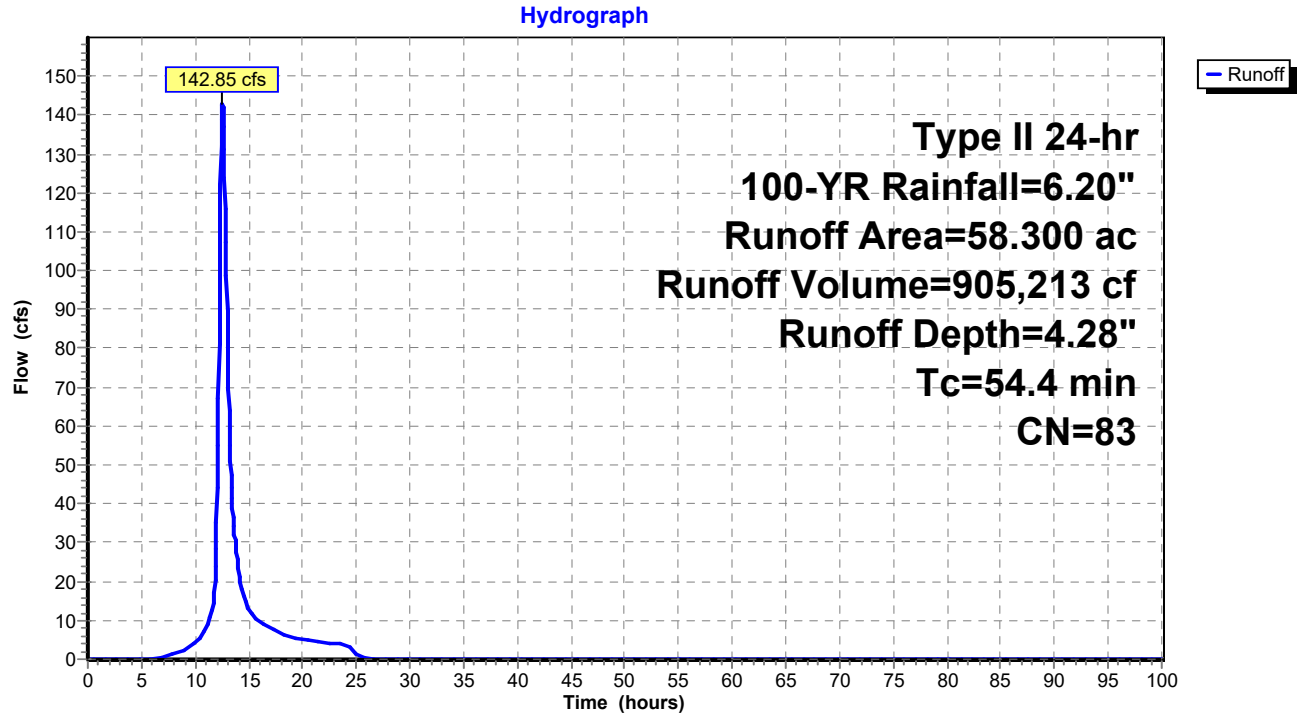
Runoff = 142.85 cfs @ 12.53 hrs, Volume= 905,213 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 16



Summary for Subcatchment 2S: POST - 16

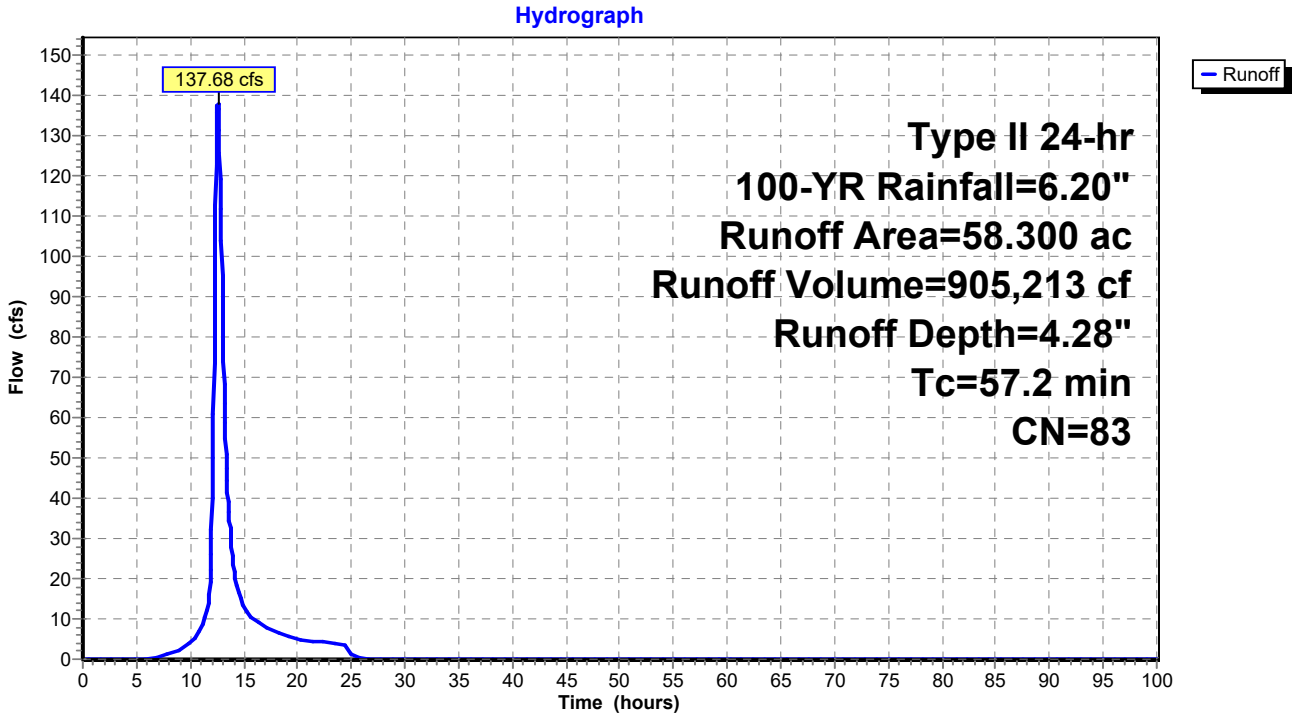
Runoff = 137.68 cfs @ 12.57 hrs, Volume= 905,213 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	58.300	83	
	58.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 16



Summary for Subcatchment 3S: PRE - 17

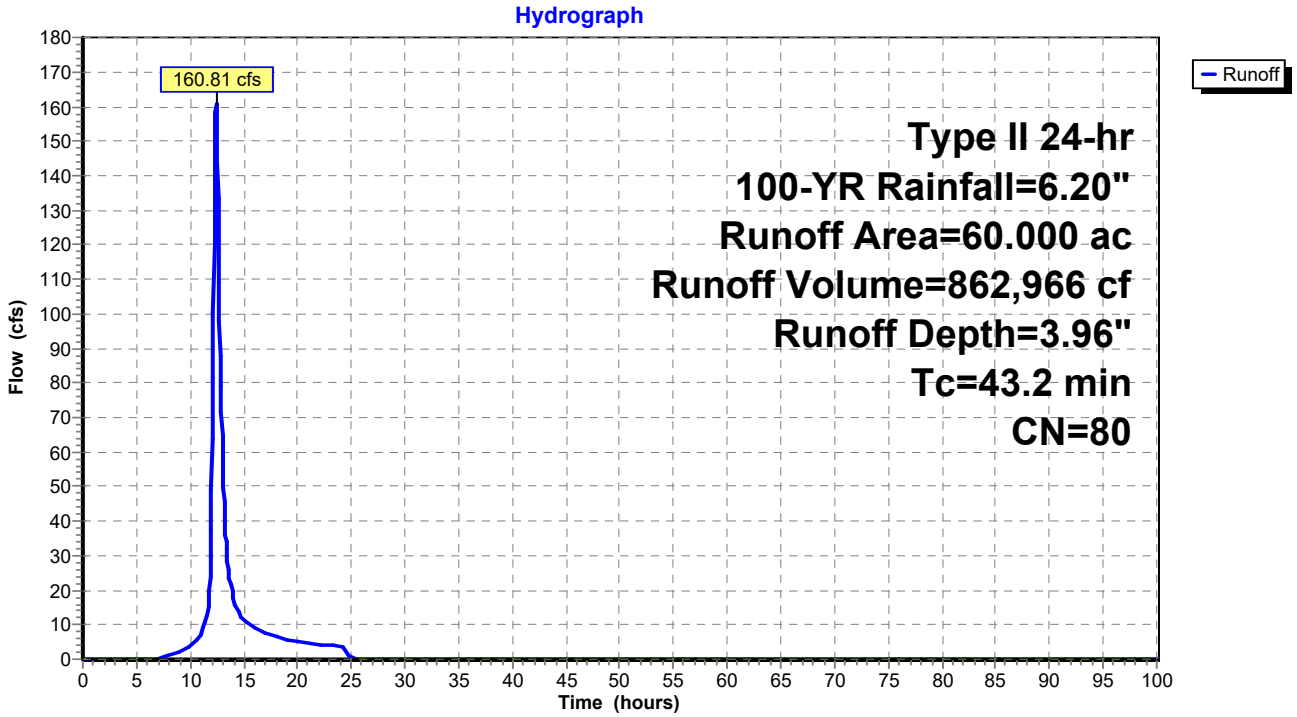
Runoff = 160.81 cfs @ 12.40 hrs, Volume= 862,966 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	60.000	80	
	60.000		100.00% Pervious Area

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

Subcatchment 3S: PRE - 17



Summary for Subcatchment 4S: POST - 17

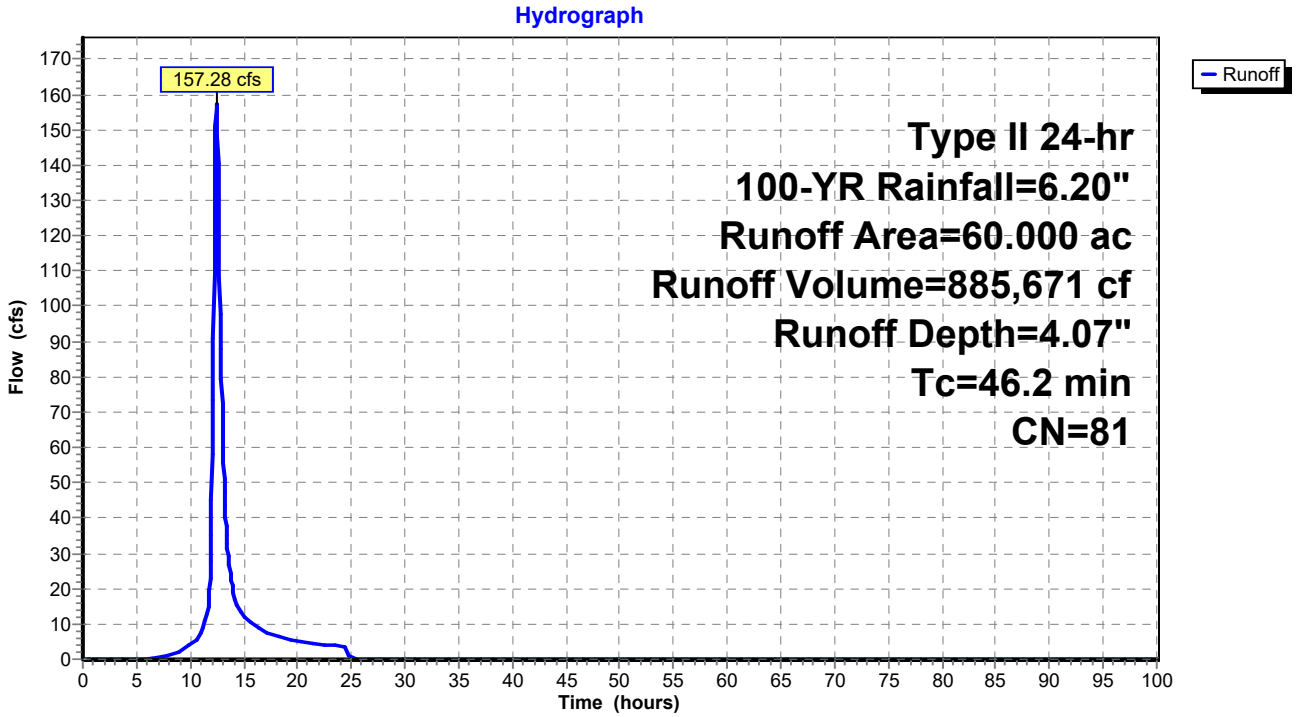
Runoff = 157.28 cfs @ 12.44 hrs, Volume= 885,671 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	60.000	81	
	60.000		100.00% Pervious Area

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

Subcatchment 4S: POST - 17



Summary for Subcatchment 5S: PRE - 18

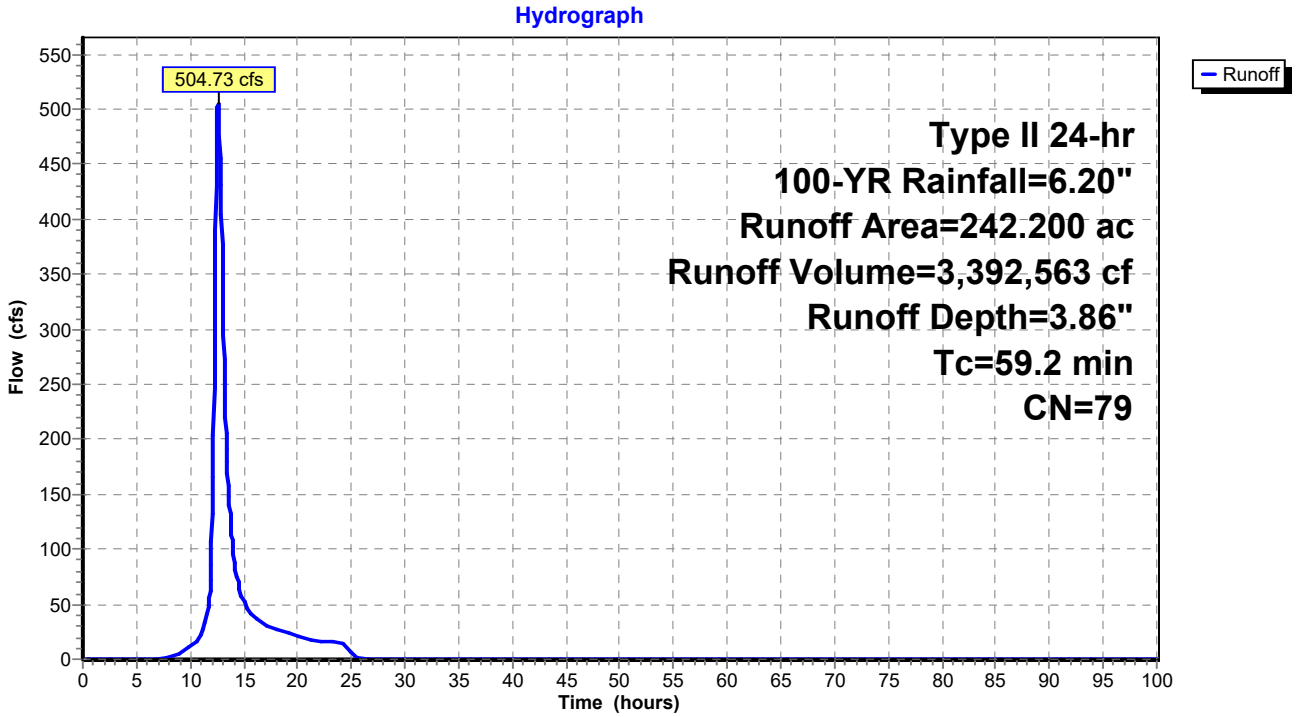
Runoff = 504.73 cfs @ 12.60 hrs, Volume= 3,392,563 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	242.200	79	
	242.200		100.00% Pervious Area

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

Subcatchment 5S: PRE - 18



Summary for Subcatchment 6S: POST - 18

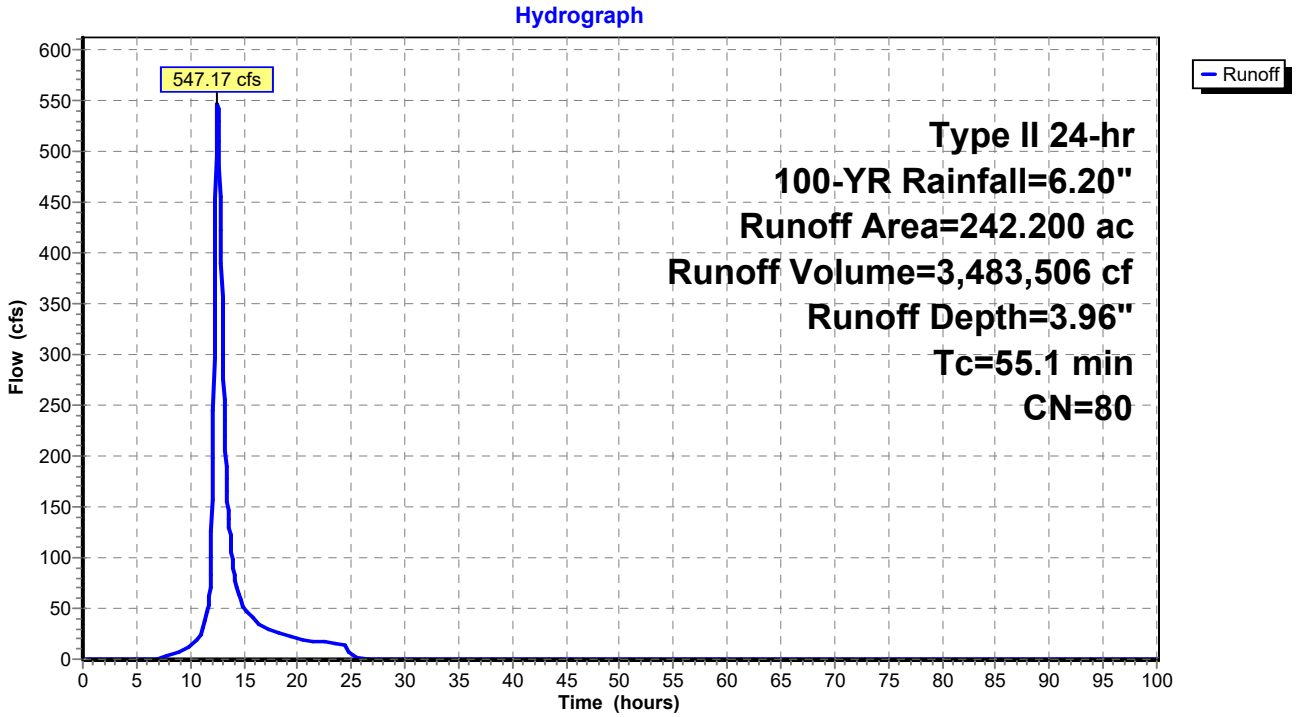
Runoff = 547.17 cfs @ 12.55 hrs, Volume= 3,483,506 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	242.200	80	
	242.200		100.00% Pervious Area

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

Subcatchment 6S: POST - 18



Summary for Subcatchment 7S: PRE - 19

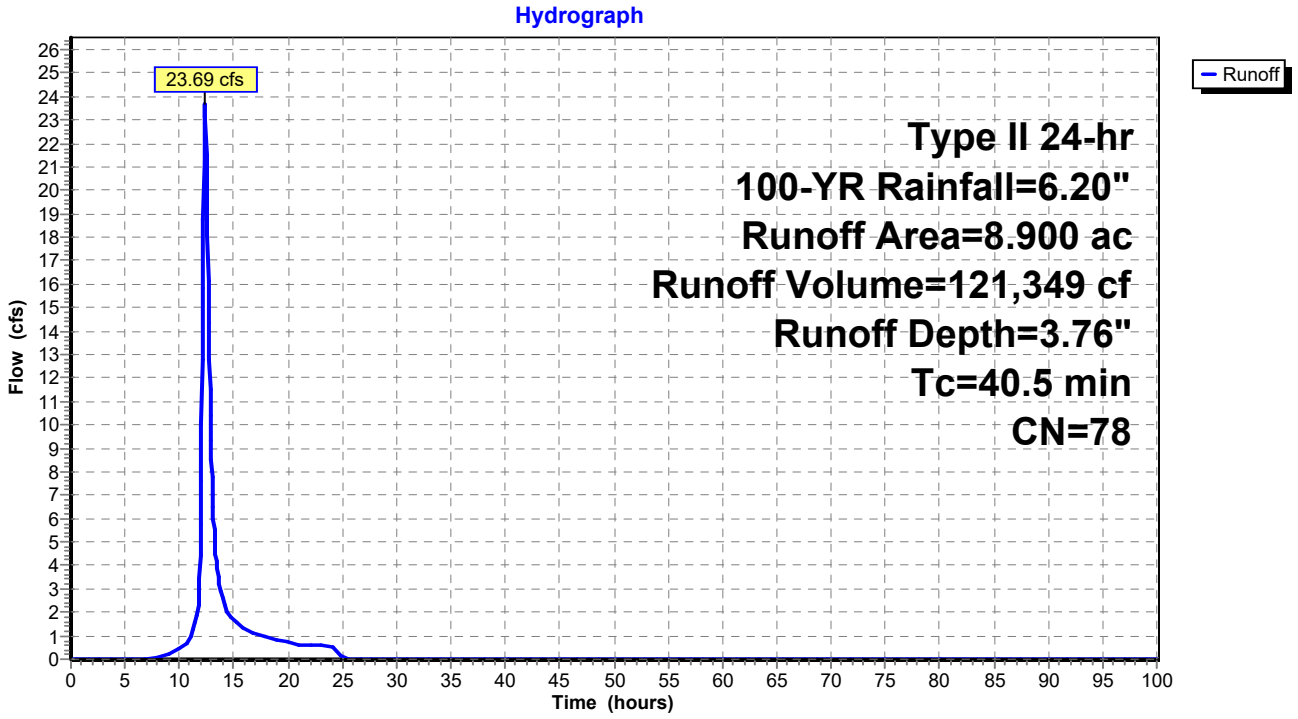
Runoff = 23.69 cfs @ 12.37 hrs, Volume= 121,349 cf, Depth= 3.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	8.900	78	
	8.900		100.00% Pervious Area

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

Subcatchment 7S: PRE - 19



Summary for Subcatchment 8S: POST - 19

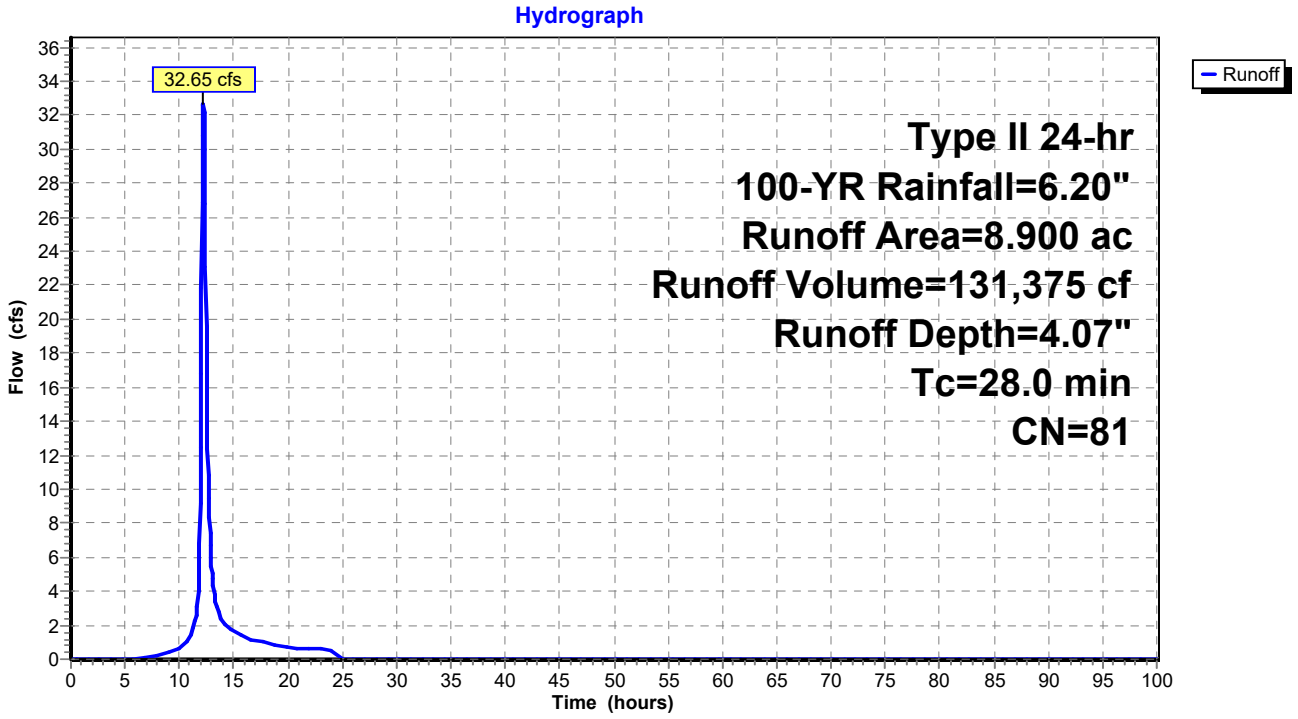
Runoff = 32.65 cfs @ 12.22 hrs, Volume= 131,375 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	8.900	81	
	8.900		100.00% Pervious Area

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

Subcatchment 8S: POST - 19



Summary for Subcatchment 9S: PRE - 20

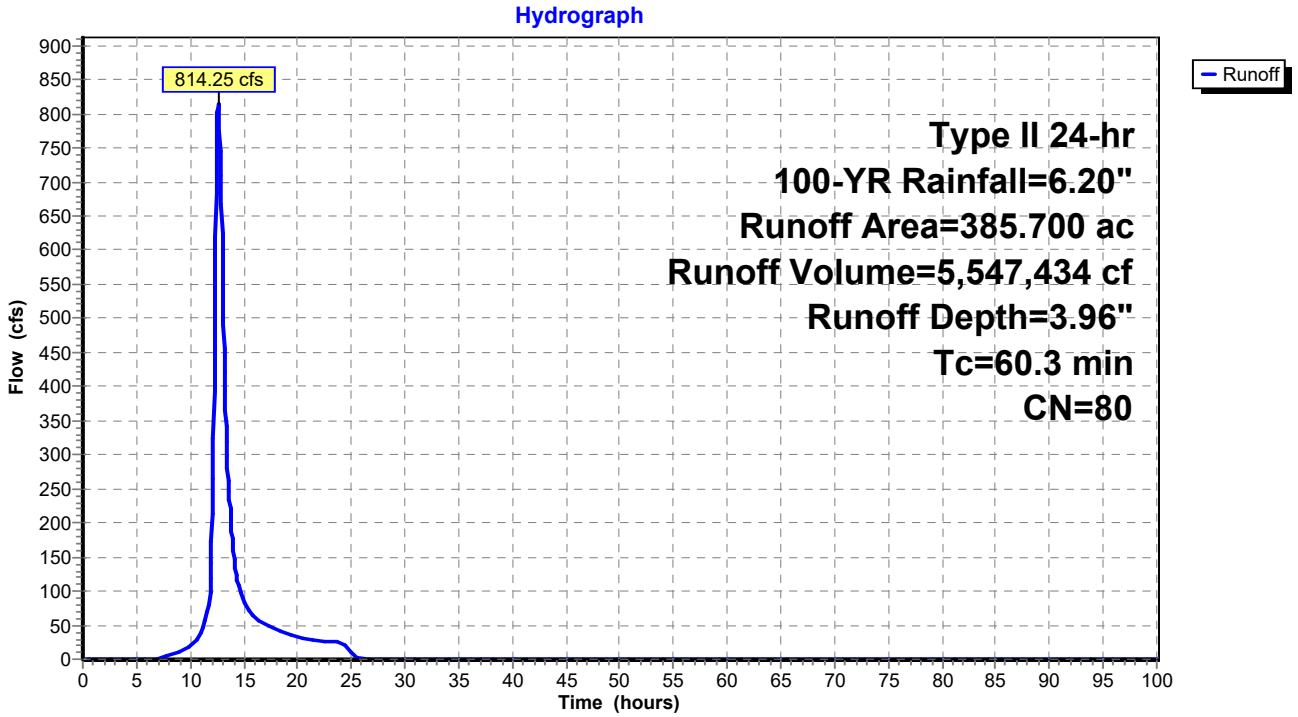
Runoff = 814.25 cfs @ 12.63 hrs, Volume= 5,547,434 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	385.700	80	
	385.700		100.00% Pervious Area

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

Subcatchment 9S: PRE - 20



Summary for Subcatchment 10S: POST - 20

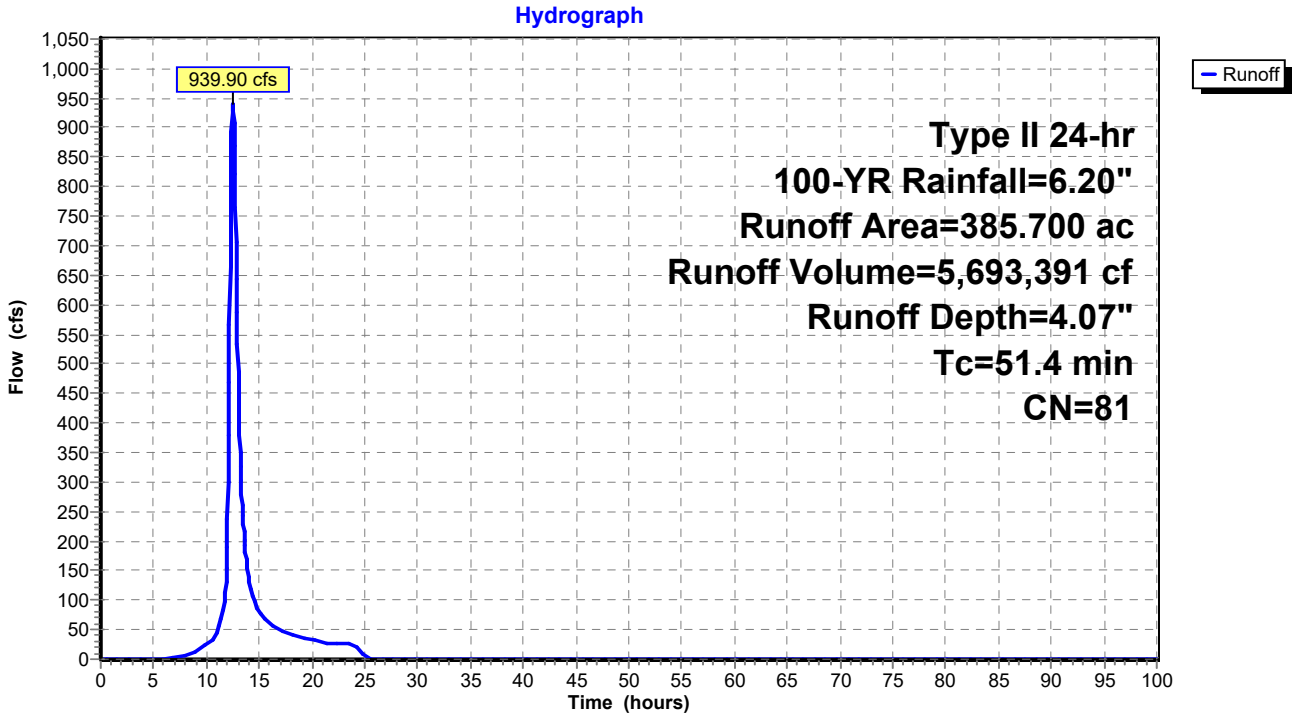
Runoff = 939.90 cfs @ 12.50 hrs, Volume= 5,693,391 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	385.700	81	
	385.700		100.00% Pervious Area

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

Subcatchment 10S: POST - 20



Summary for Subcatchment 11S: PRE - 21

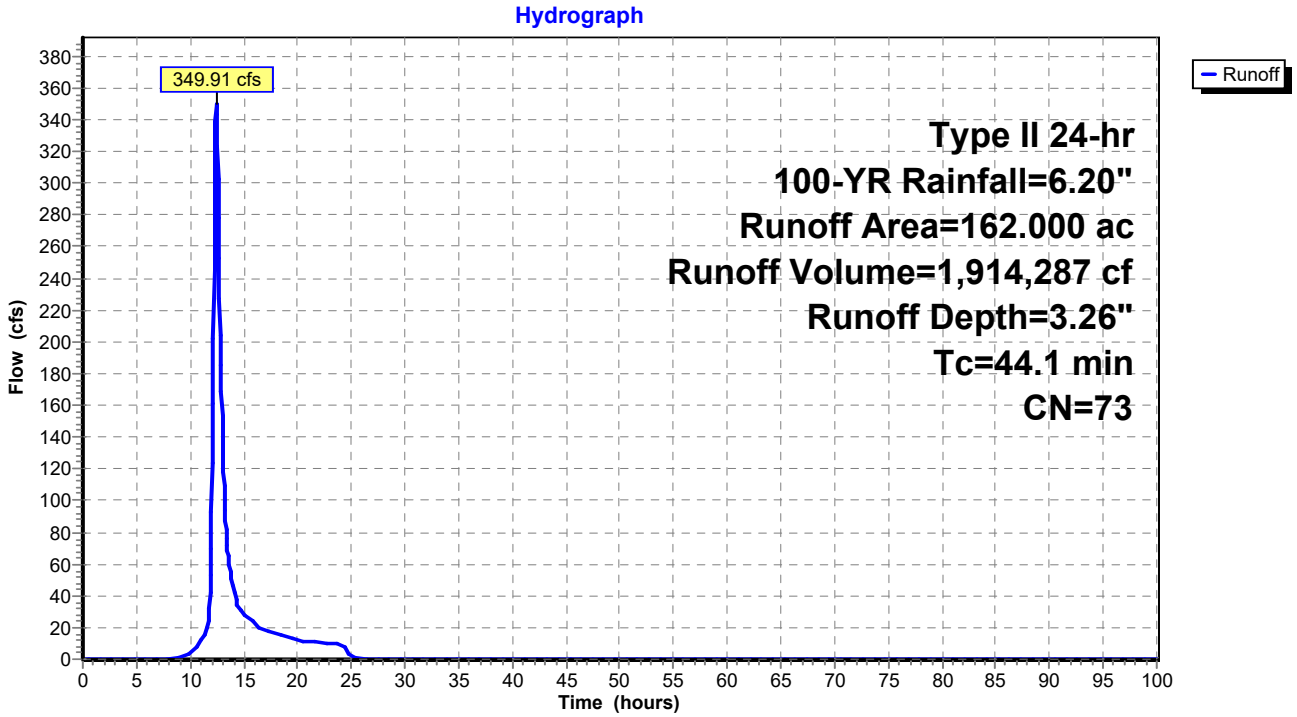
Runoff = 349.91 cfs @ 12.42 hrs, Volume= 1,914,287 cf, Depth= 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	162.000	73	
	162.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 21



Summary for Subcatchment 12S: POST - 21

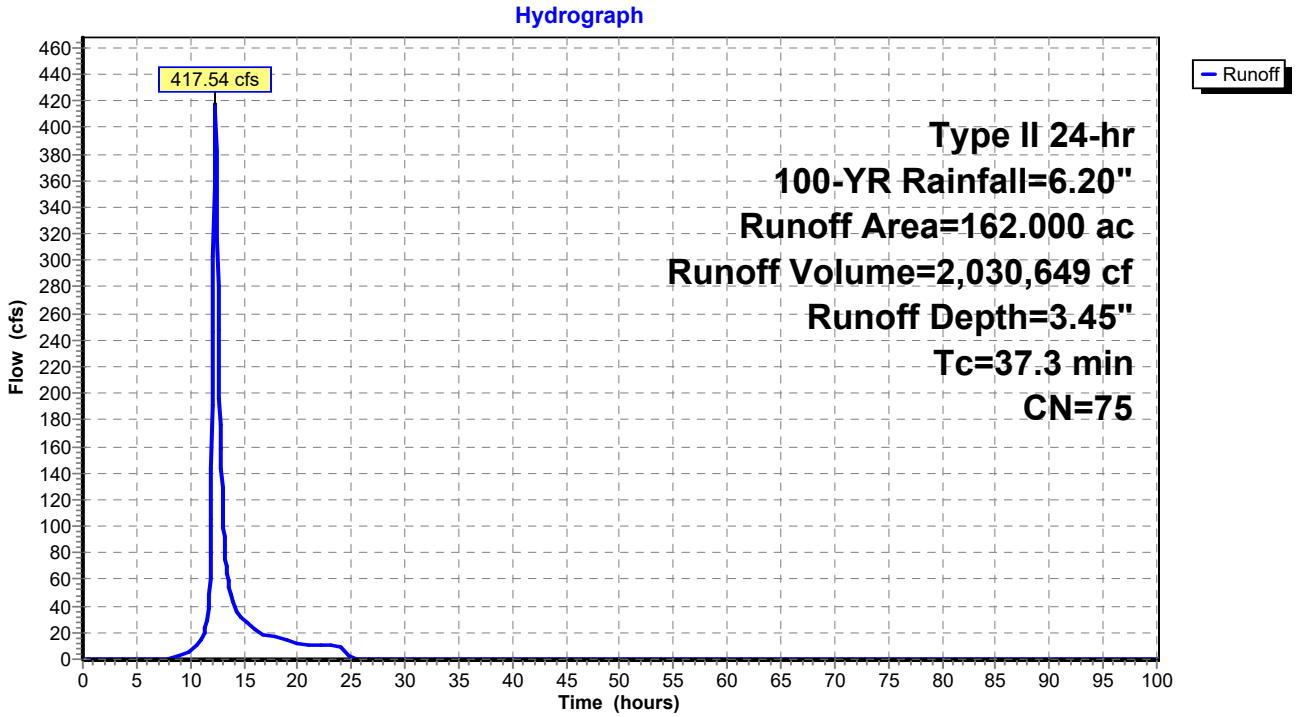
Runoff = 417.54 cfs @ 12.33 hrs, Volume= 2,030,649 cf, Depth= 3.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	162.000	75	
	162.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 21



Summary for Subcatchment 13S: PRE - 22

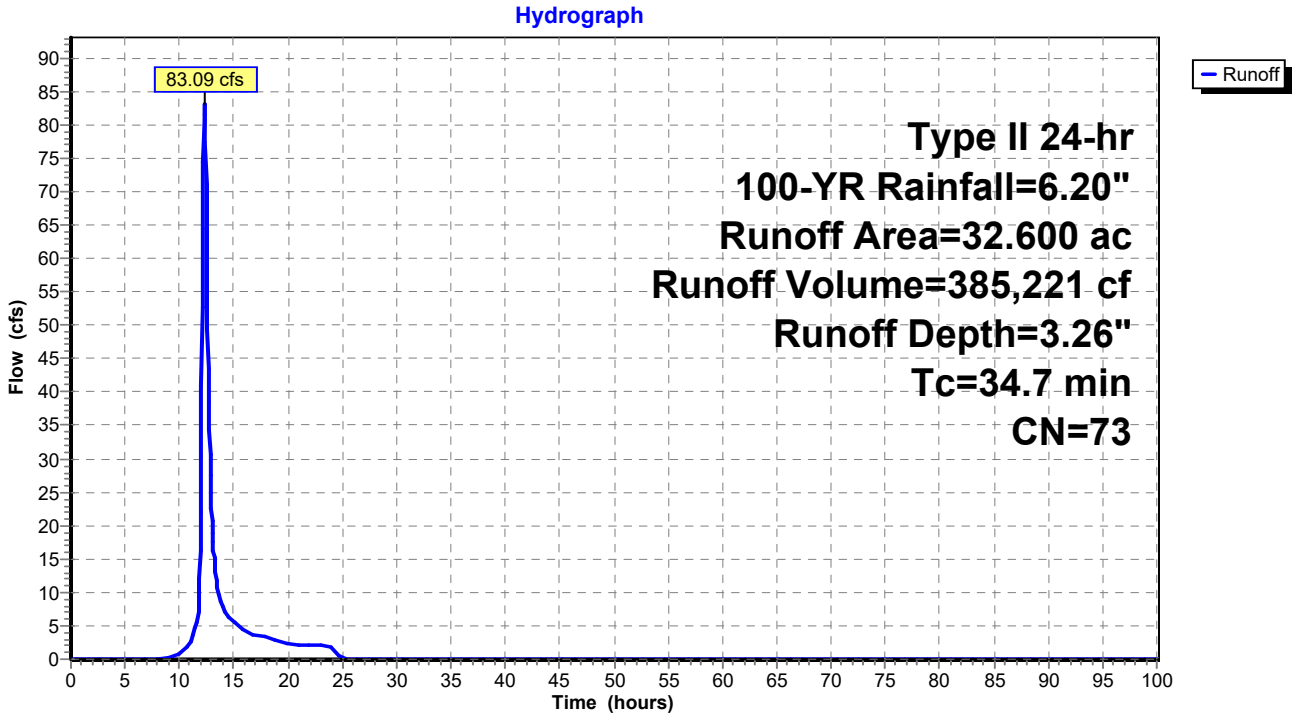
Runoff = 83.09 cfs @ 12.30 hrs, Volume= 385,221 cf, Depth= 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	32.600	73	
	32.600		100.00% Pervious Area

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

Subcatchment 13S: PRE - 22



Summary for Subcatchment 14S: POST - 22

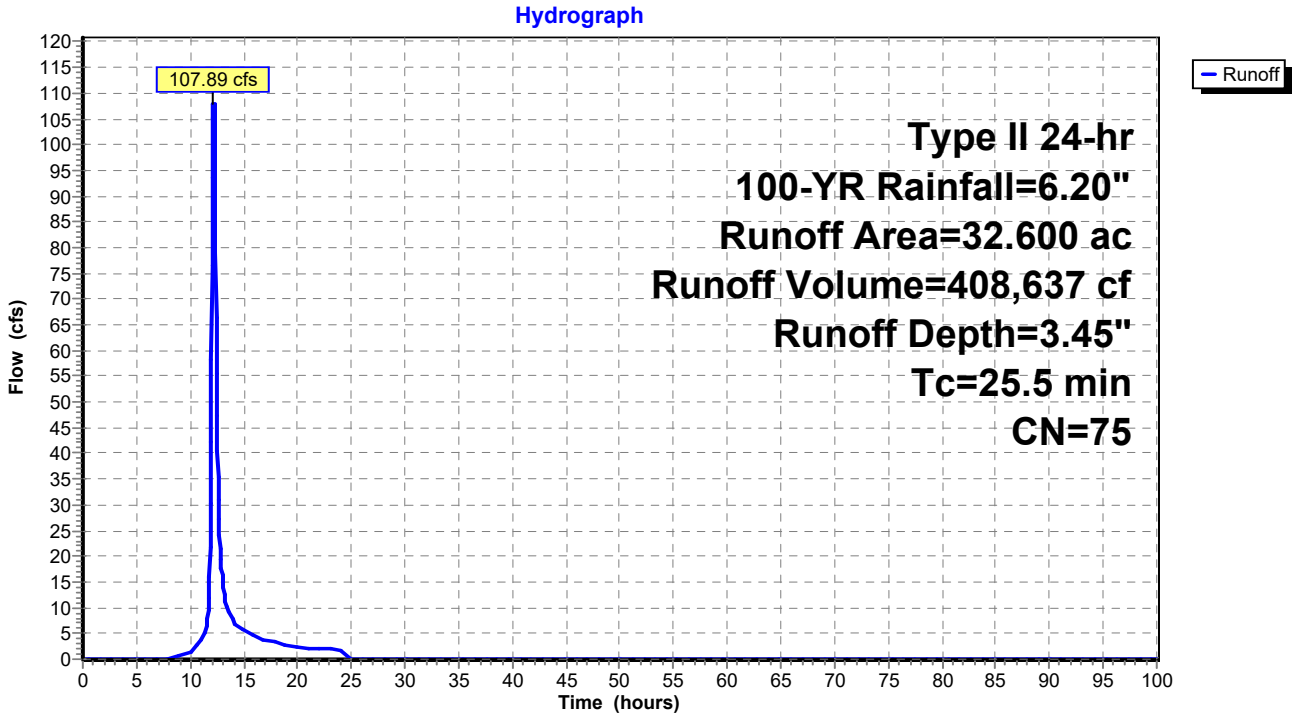
Runoff = 107.89 cfs @ 12.19 hrs, Volume= 408,637 cf, Depth= 3.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	32.600	75	
	32.600		100.00% Pervious Area

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

Subcatchment 14S: POST - 22



Summary for Subcatchment 15S: PRE - 23

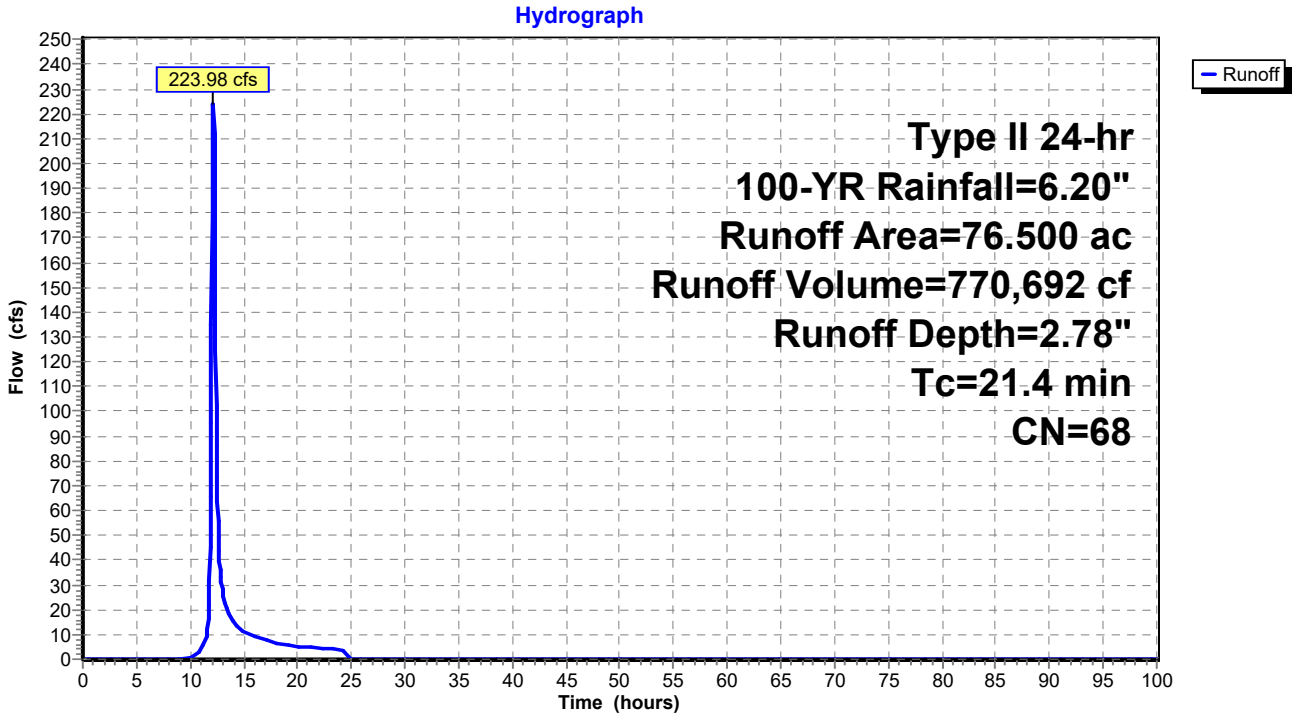
Runoff = 223.98 cfs @ 12.15 hrs, Volume= 770,692 cf, Depth= 2.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	76.500	68	
	76.500		100.00% Pervious Area

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

Subcatchment 15S: PRE - 23



Summary for Subcatchment 16S: POST - 23

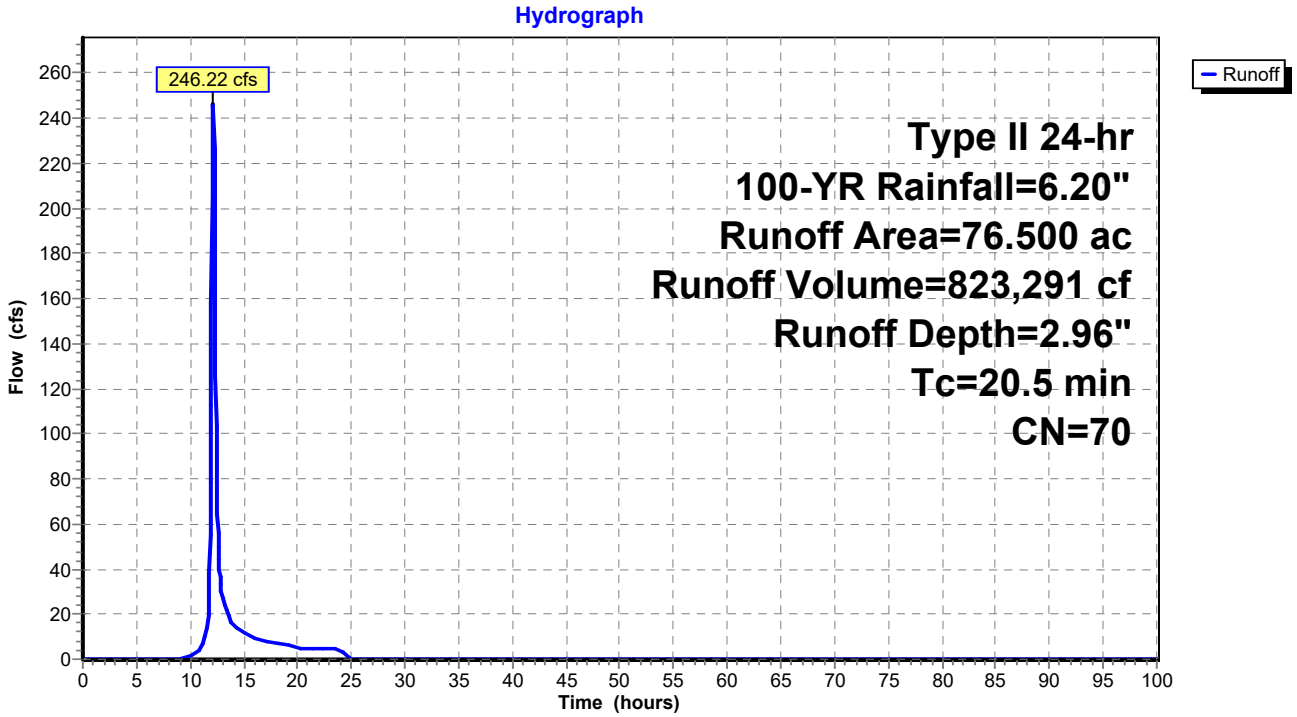
Runoff = 246.22 cfs @ 12.14 hrs, Volume= 823,291 cf, Depth= 2.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	76.500	70	
	76.500		100.00% Pervious Area

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

Subcatchment 16S: POST - 23



Summary for Subcatchment 17S: PRE - 24

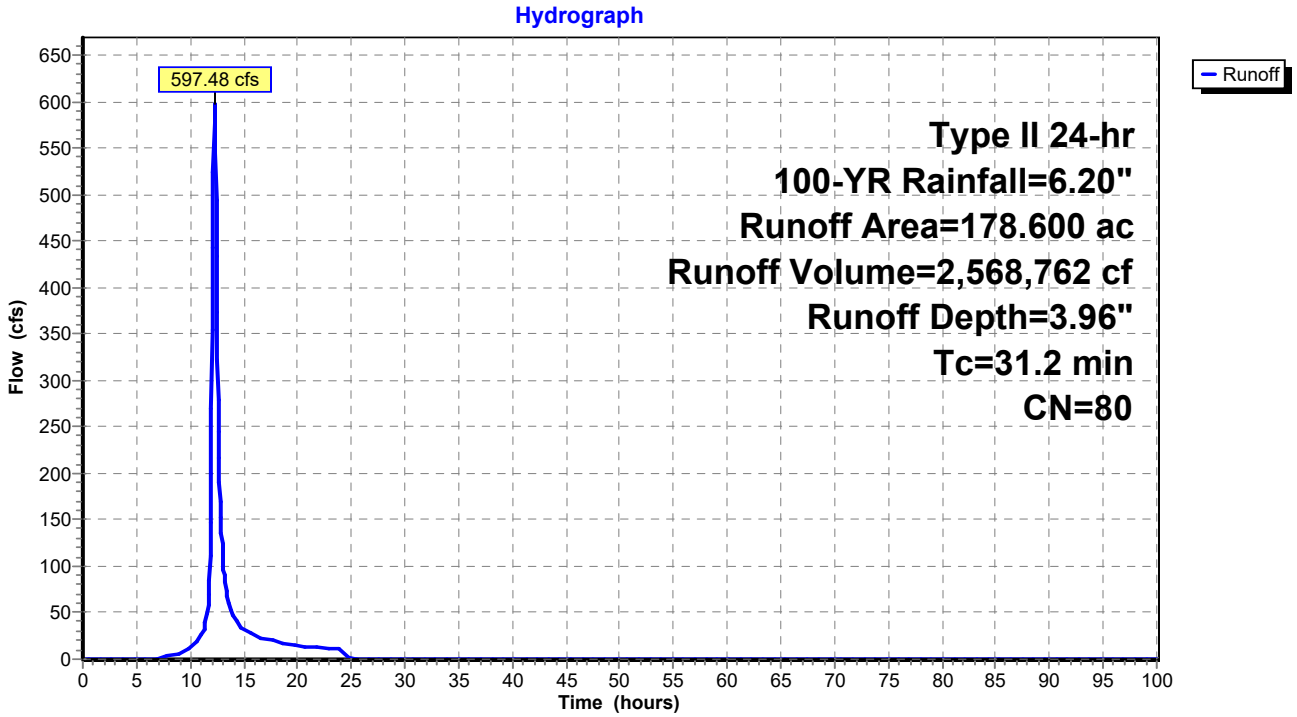
Runoff = 597.48 cfs @ 12.25 hrs, Volume= 2,568,762 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 17S: PRE - 24



Summary for Subcatchment 18S: POST - 24

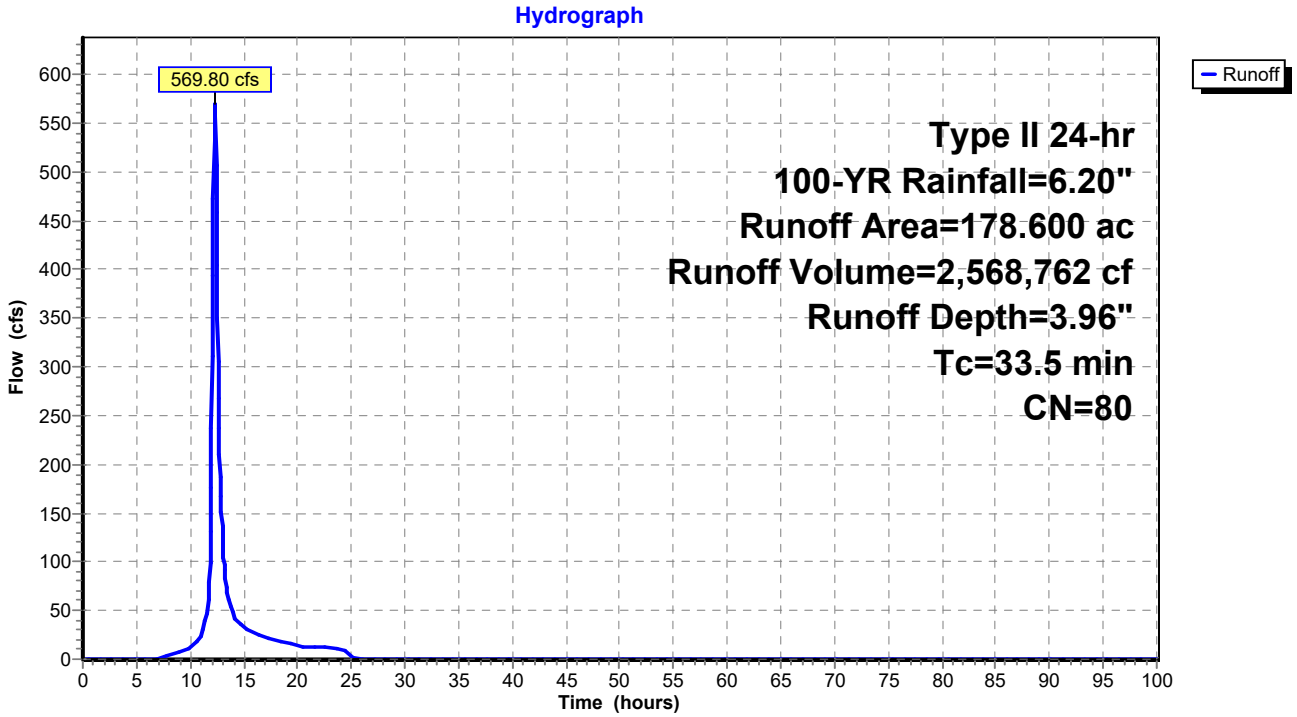
Runoff = 569.80 cfs @ 12.28 hrs, Volume= 2,568,762 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	178.600	80	
	178.600		100.00% Pervious Area

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

Subcatchment 18S: POST - 24



Summary for Subcatchment 19S: PRE - 25

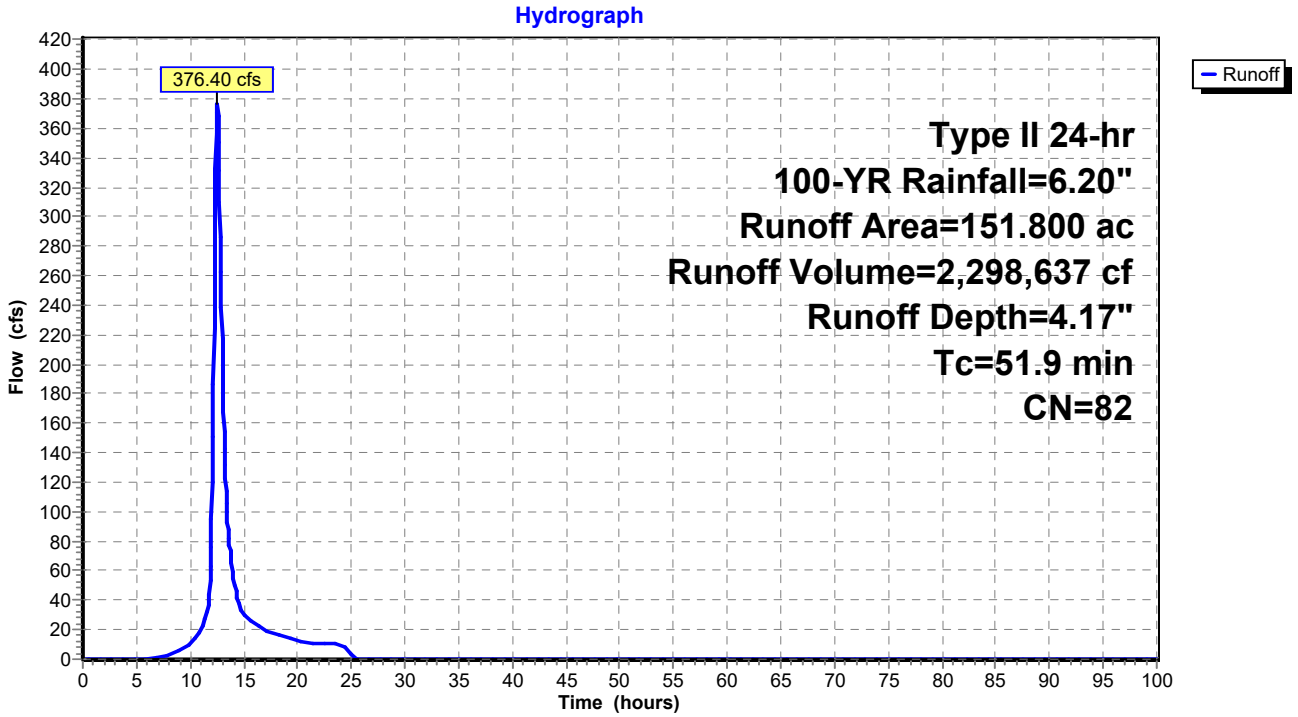
Runoff = 376.40 cfs @ 12.51 hrs, Volume= 2,298,637 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 19S: PRE - 25



Summary for Subcatchment 20S: POST - 25

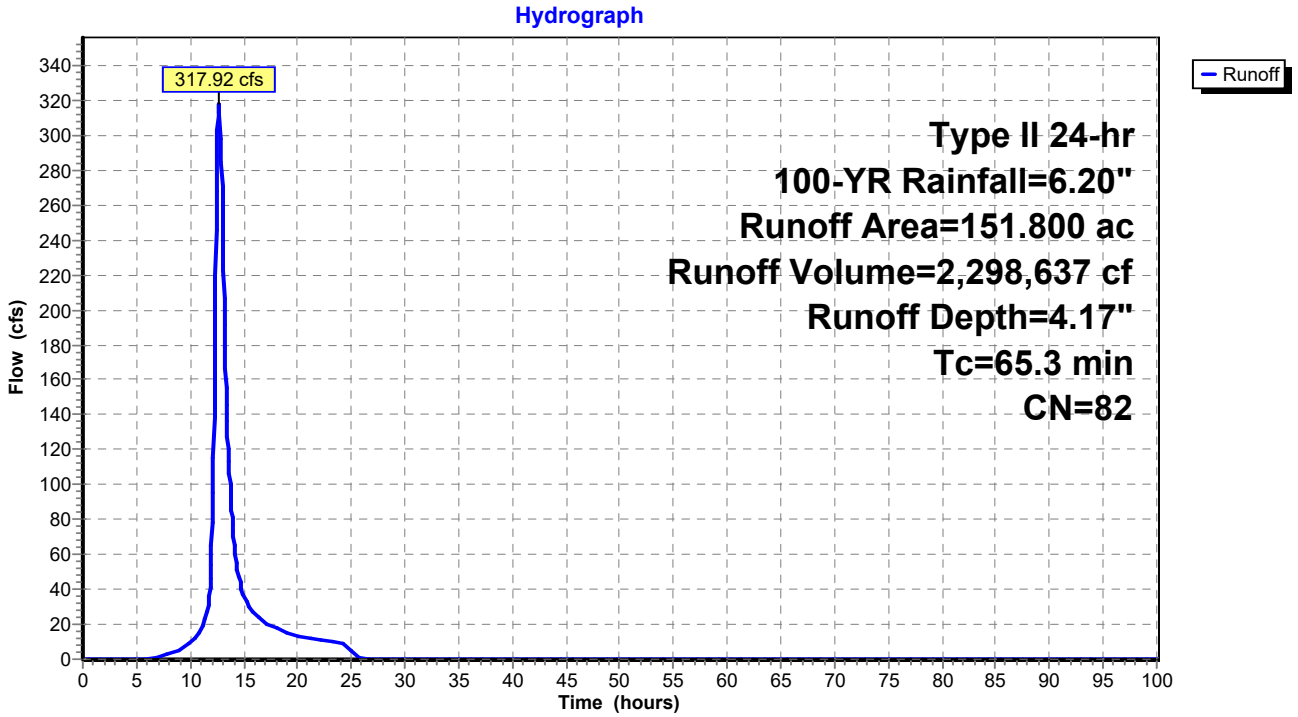
Runoff = 317.92 cfs @ 12.69 hrs, Volume= 2,298,637 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	151.800	82	
	151.800		100.00% Pervious Area

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

Subcatchment 20S: POST - 25



Summary for Subcatchment 21S: PRE - 26

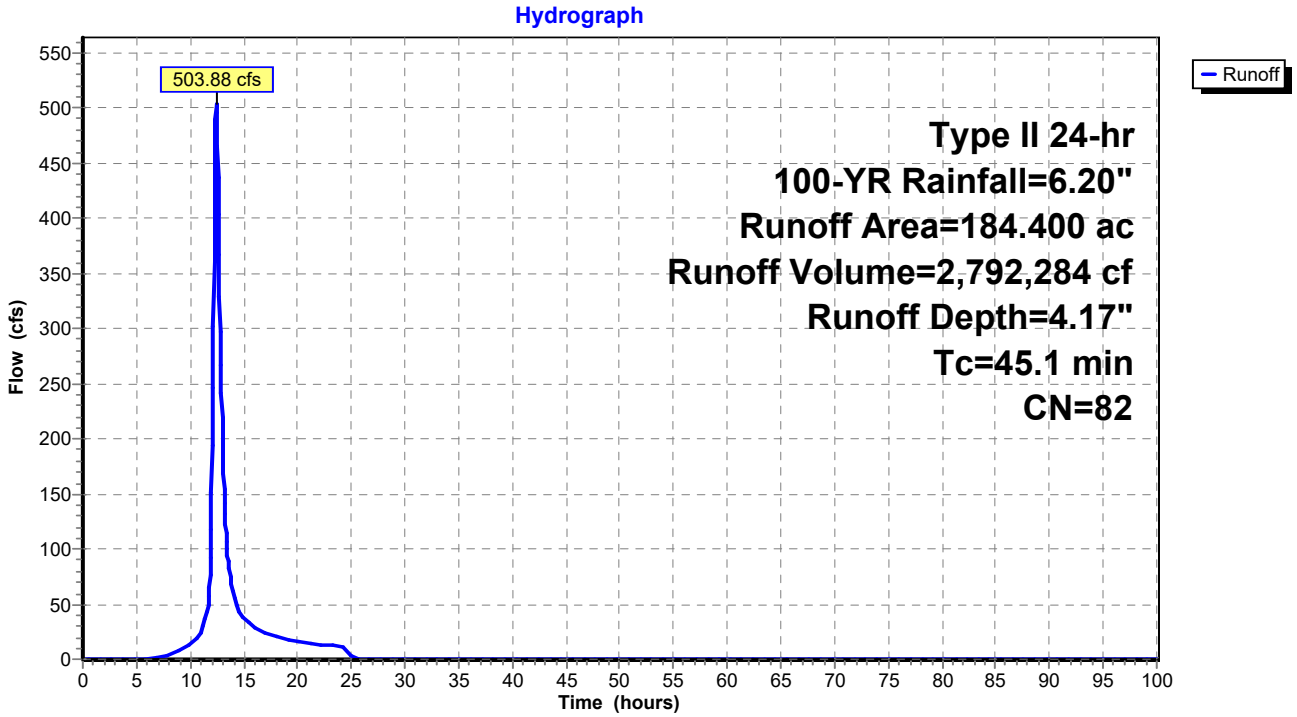
Runoff = 503.88 cfs @ 12.42 hrs, Volume= 2,792,284 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	184.400	82	
	184.400		100.00% Pervious Area

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

Subcatchment 21S: PRE - 26



Summary for Subcatchment 22S: POST - 26

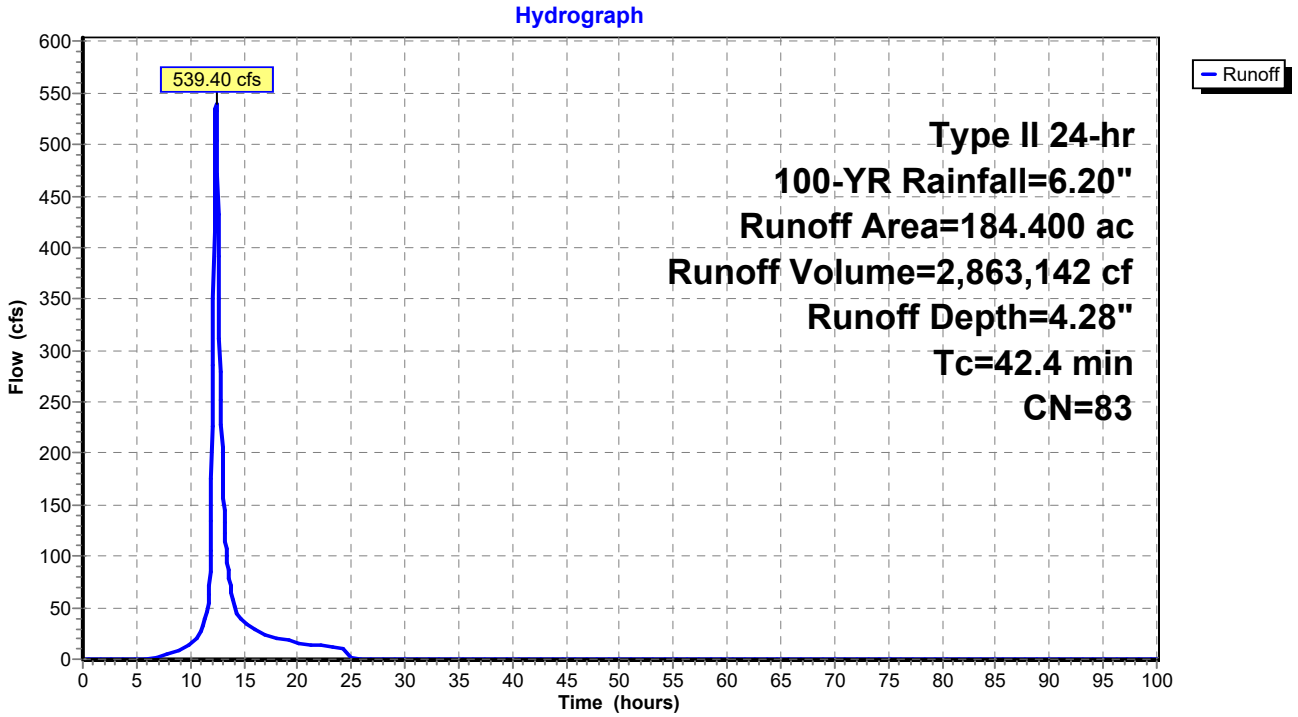
Runoff = 539.40 cfs @ 12.39 hrs, Volume= 2,863,142 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	184.400	83	
	184.400		100.00% Pervious Area

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

Subcatchment 22S: POST - 26



Summary for Subcatchment 23S: PRE - 27

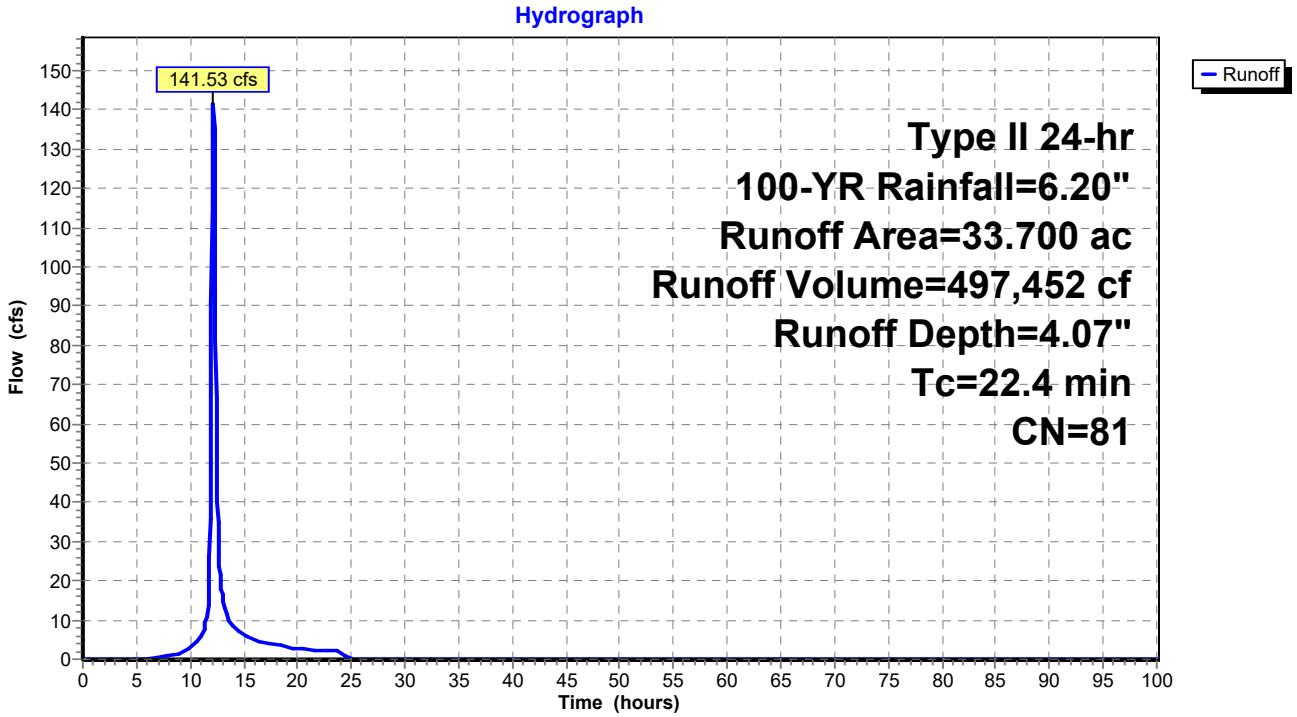
Runoff = 141.53 cfs @ 12.15 hrs, Volume= 497,452 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	33.700	81	
	33.700		100.00% Pervious Area

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

Subcatchment 23S: PRE - 27



Summary for Subcatchment 24S: POST - 27

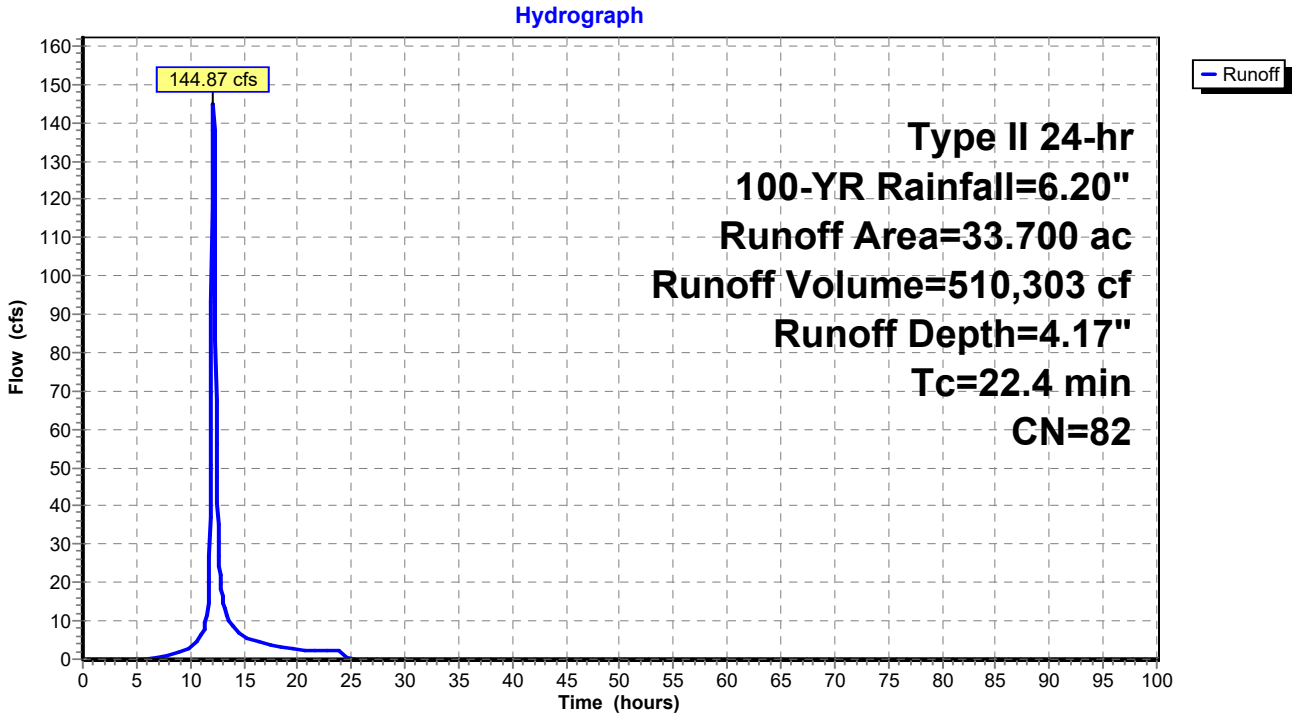
Runoff = 144.87 cfs @ 12.15 hrs, Volume= 510,303 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	33.700	82	
	33.700		100.00% Pervious Area

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

Subcatchment 24S: POST - 27



Summary for Subcatchment 25S: PRE - 28

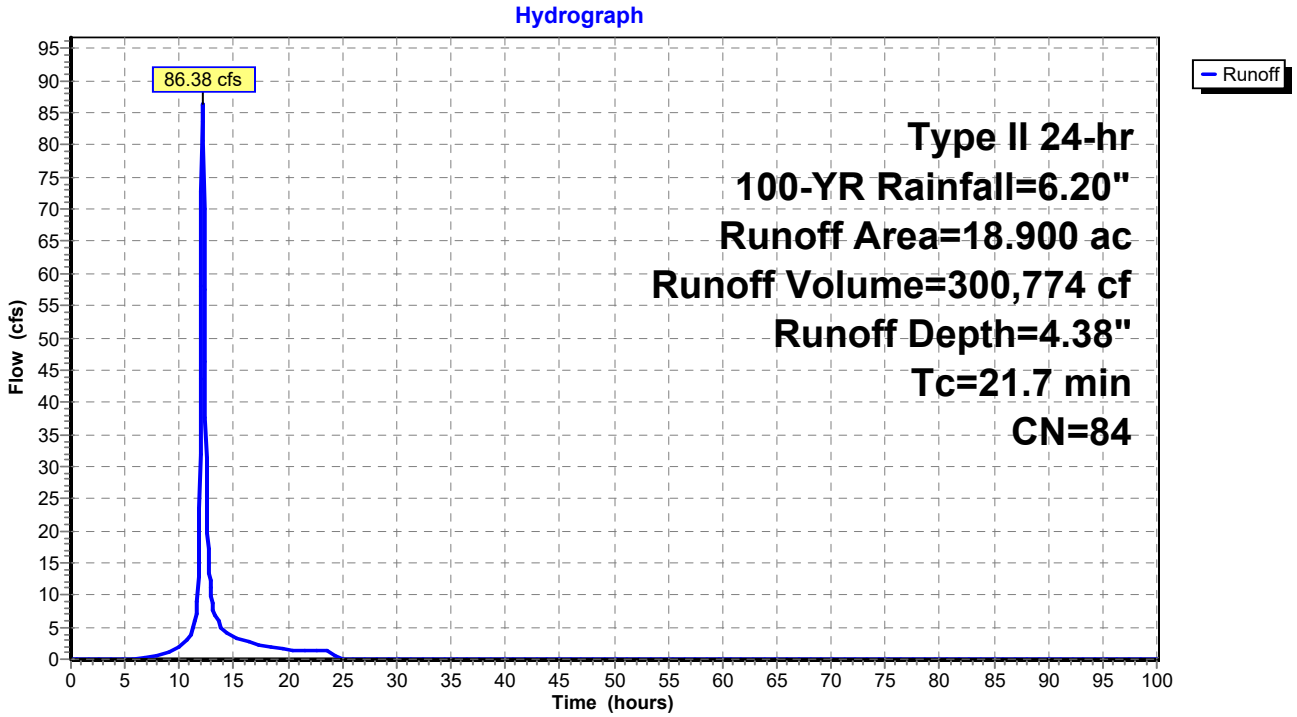
Runoff = 86.38 cfs @ 12.14 hrs, Volume= 300,774 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 25S: PRE - 28



Summary for Subcatchment 26S: POST - 28

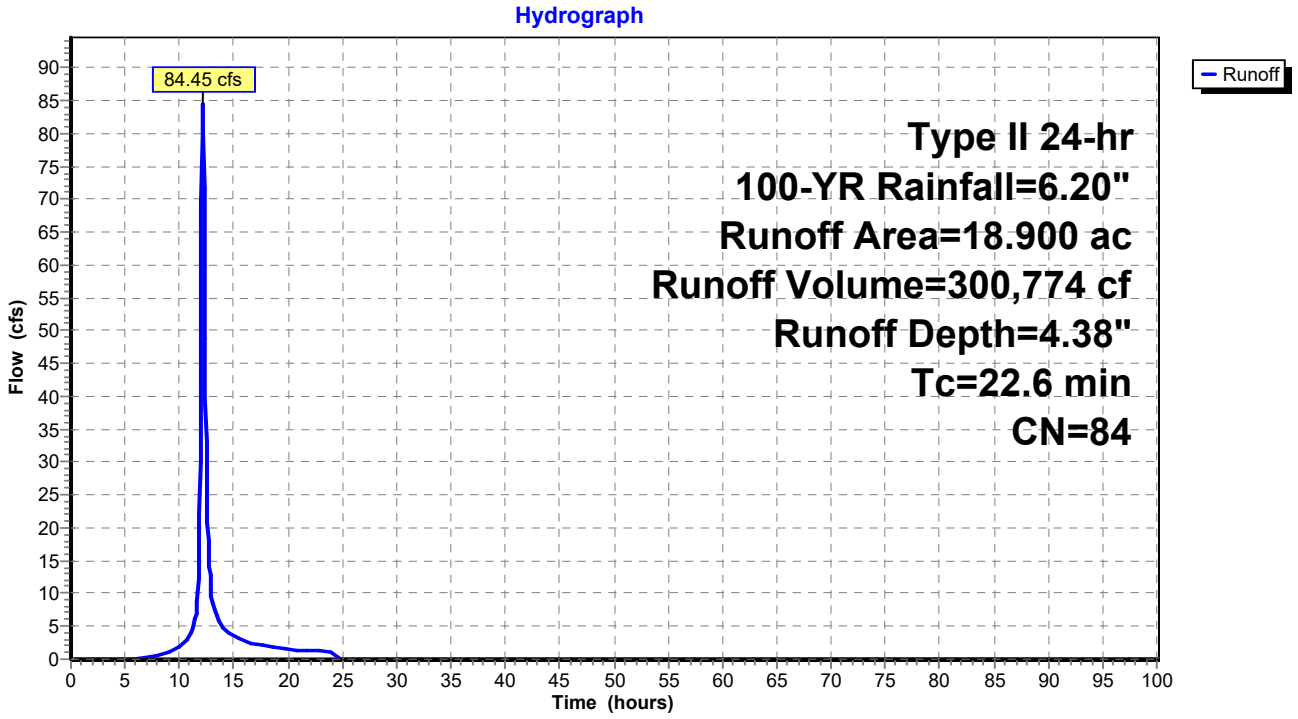
Runoff = 84.45 cfs @ 12.15 hrs, Volume= 300,774 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	18.900	84	
	18.900		100.00% Pervious Area

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

Subcatchment 26S: POST - 28



Summary for Subcatchment 27S: PRE - 29

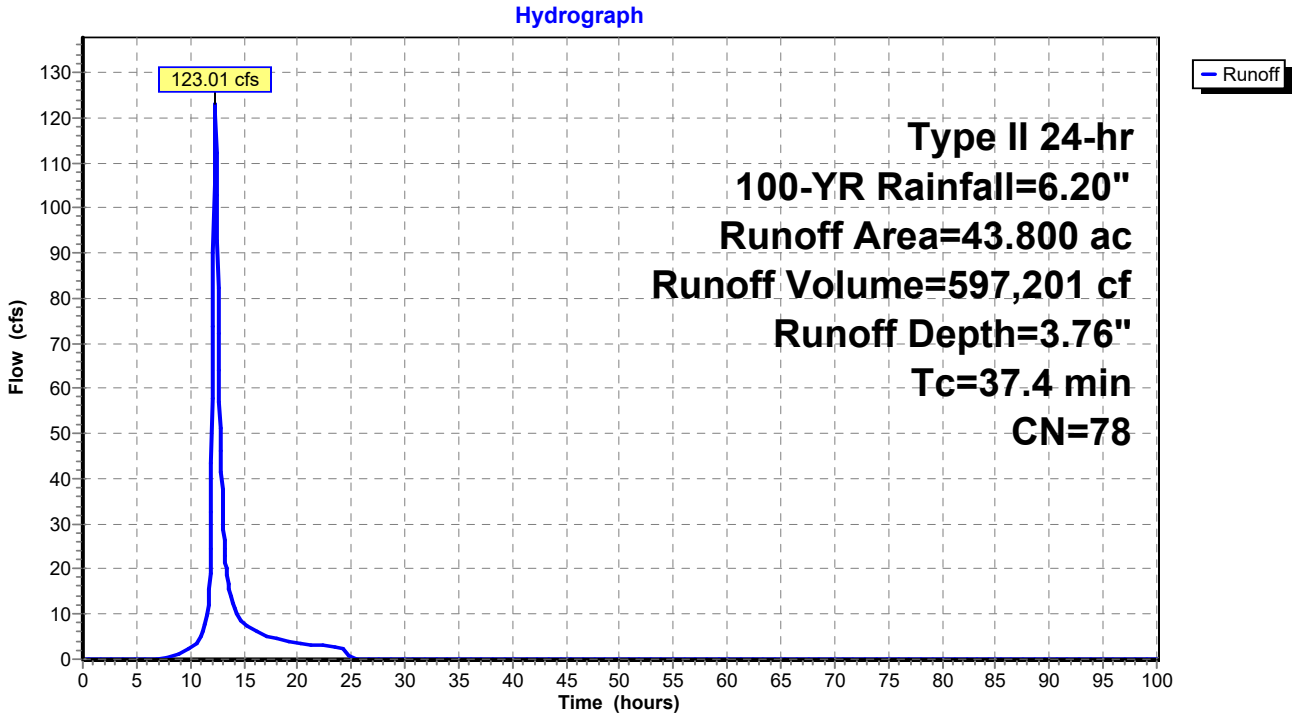
Runoff = 123.01 cfs @ 12.33 hrs, Volume= 597,201 cf, Depth= 3.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	43.800	78	
	43.800		100.00% Pervious Area

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

Subcatchment 27S: PRE - 29



Summary for Subcatchment 28S: POST - 29

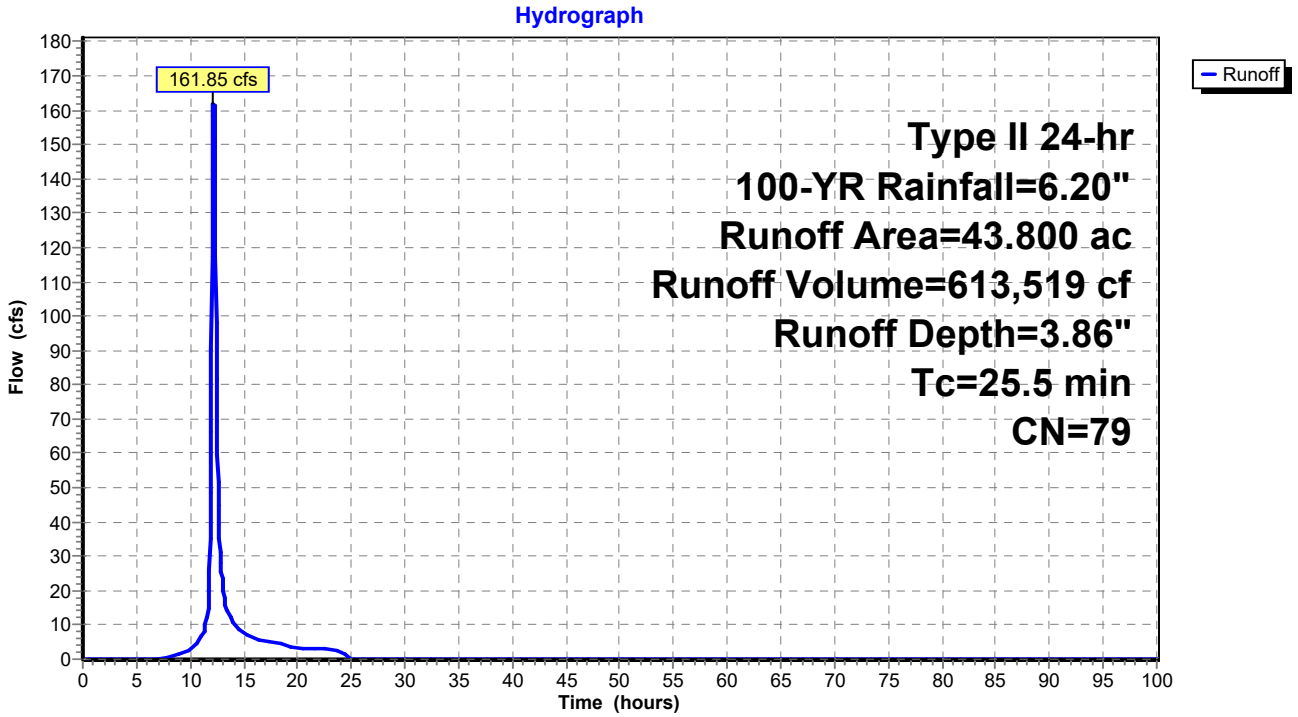
Runoff = 161.85 cfs @ 12.19 hrs, Volume= 613,519 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	43.800	79	
	43.800		100.00% Pervious Area

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

Subcatchment 28S: POST - 29



Summary for Subcatchment 29S: PRE - 30

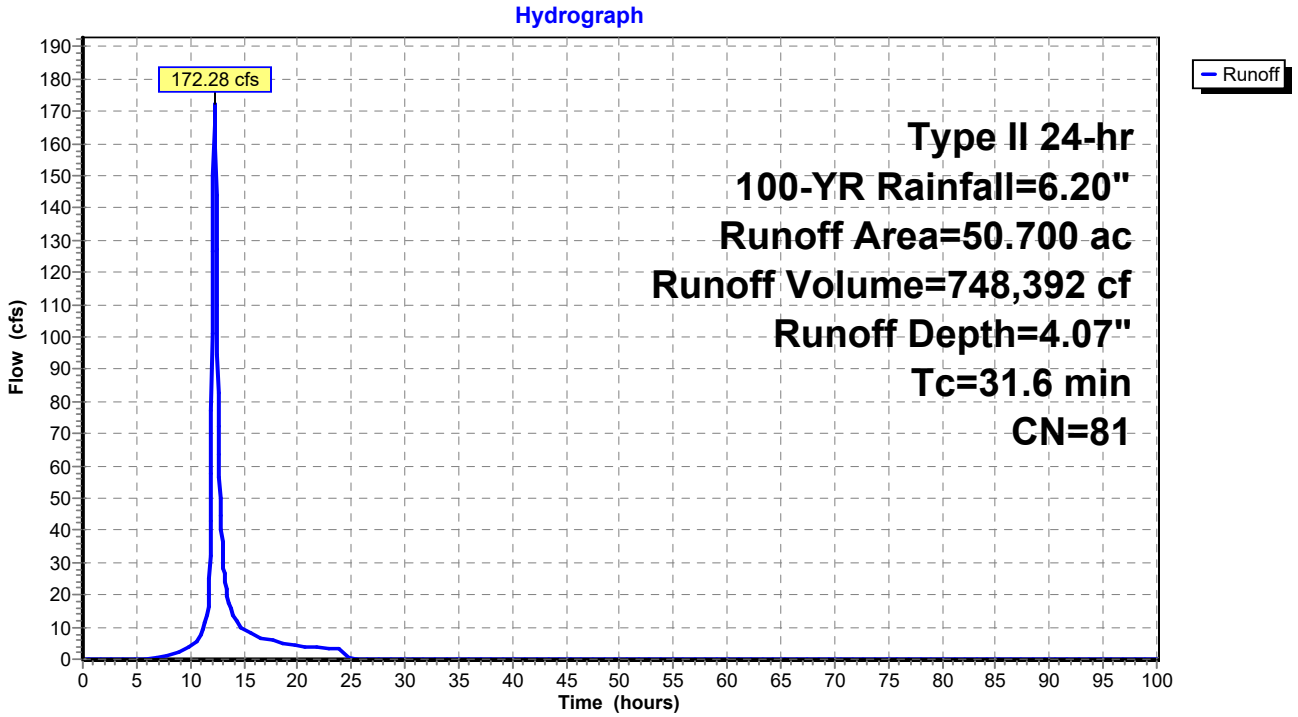
Runoff = 172.28 cfs @ 12.26 hrs, Volume= 748,392 cf, Depth= 4.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	50.700	81	
	50.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 30



Summary for Subcatchment 30S: POST - 30

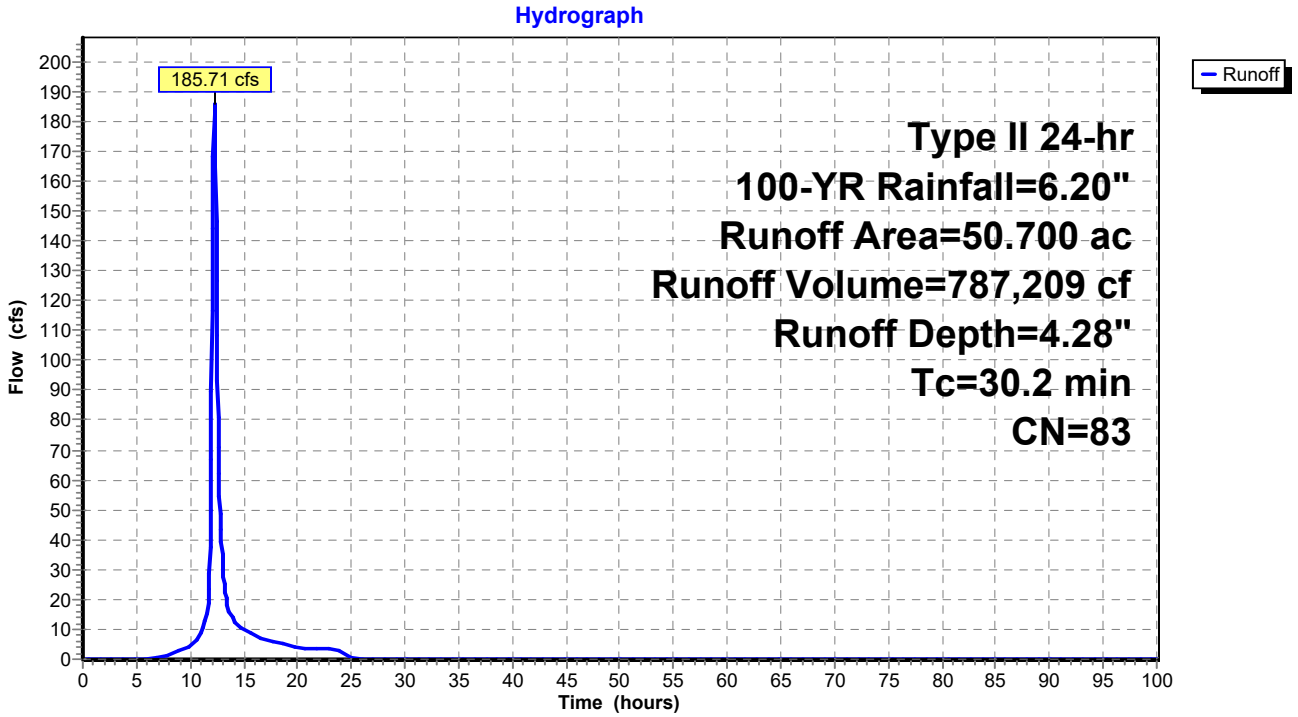
Runoff = 185.71 cfs @ 12.24 hrs, Volume= 787,209 cf, Depth= 4.28"

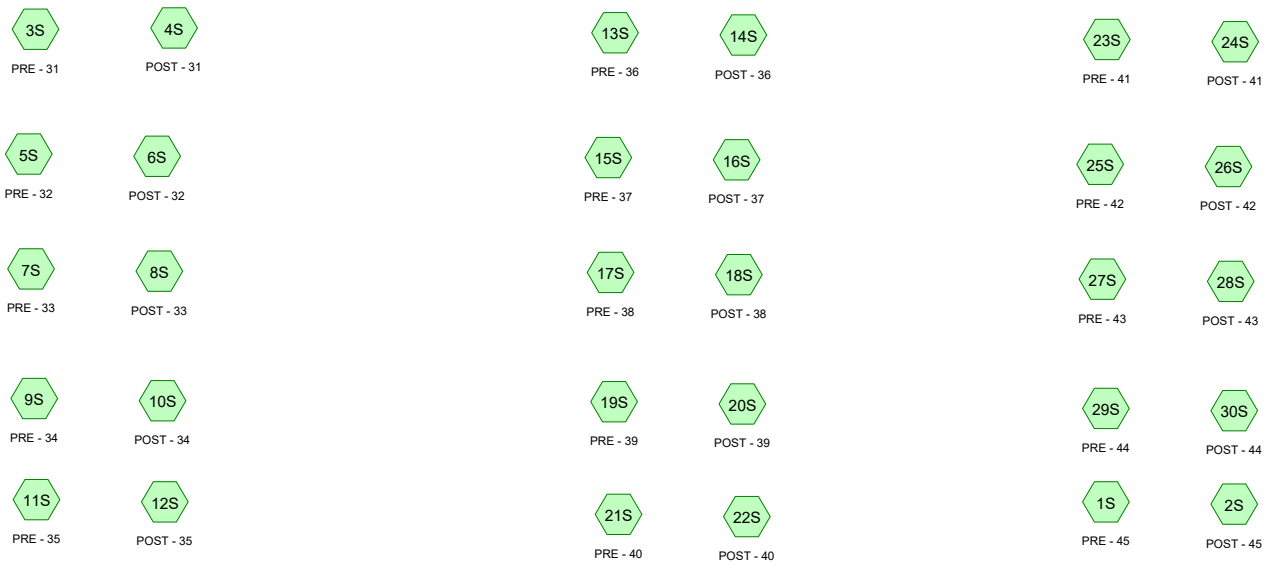
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	50.700	83	
	50.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 30





Subcat Reach Pond Link

Routing Diagram for South Ripley 31- 45
Prepared by Microsoft, Printed 7/13/2021
HydroCAD® 10.00-19 s/n 06365 © 2016 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
7,692,696	79	(1S, 2S)
6,089,688	83	(3S, 4S, 6S, 14S, 15S)
11,796,048	80	(5S, 9S, 10S, 11S, 12S)
2,395,800	77	(7S)
2,395,800	78	(8S)
4,508,460	82	(13S, 17S, 18S)
1,372,140	84	(16S, 21S, 23S, 24S, 29S, 30S)
3,188,592	72	(19S, 26S)
1,176,120	73	(20S)
121,968	85	(22S)
2,012,472	70	(25S)
675,180	65	(27S)
675,180	68	(28S)
44,100,144	**79**	**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	0	0	0	44,100,144	44,100,144		1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S

Ground Covers (all nodes) (continued)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	**0**	**0**	**0**	**44,100,144**	**44,100,144**	**TOTAL AREA**	

Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=0.67"
Tc=38.9 min CN=79 Runoff=39.17 cfs 216,251 cf

Subcatchment2S: POST - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=0.67"
Tc=38.7 min CN=79 Runoff=39.28 cfs 216,251 cf

Subcatchment3S: PRE - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=0.87"
Tc=27.2 min CN=83 Runoff=7.69 cfs 31,301 cf

Subcatchment4S: POST - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=0.87"
Tc=28.3 min CN=83 Runoff=7.47 cfs 31,301 cf

Subcatchment5S: PRE - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=0.72"
Tc=47.5 min CN=80 Runoff=19.62 cfs 122,940 cf

Subcatchment6S: POST - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=0.87"
Tc=47.4 min CN=83 Runoff=24.77 cfs 148,601 cf

Subcatchment7S: PRE - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=0.59"
Tc=22.2 min CN=77 Runoff=30.09 cfs 117,523 cf

Subcatchment8S: POST - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=0.63"
Tc=20.5 min CN=78 Runoff=34.69 cfs 125,922 cf

Subcatchment9S: PRE - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=0.72"
Tc=19.7 min CN=80 Runoff=37.42 cfs 128,694 cf

Subcatchment10S: POST - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=0.72"
Tc=20.2 min CN=80 Runoff=36.88 cfs 128,694 cf

Subcatchment11S: PRE - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=0.72"
Tc=50.0 min CN=80 Runoff=25.18 cfs 164,007 cf

Subcatchment12S: POST - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=0.72"
Tc=50.0 min CN=80 Runoff=25.18 cfs 164,007 cf

Subcatchment13S: PRE - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=0.82"
Tc=53.5 min CN=82 Runoff=27.30 cfs 180,979 cf

Subcatchment14S: POST - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=0.87"
Tc=67.6 min CN=83 Runoff=24.66 cfs 192,549 cf

Subcatchment15S: PRE - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=0.87"
Tc=18.6 min CN=83 Runoff=11.88 cfs 38,257 cf

Subcatchment16S: POST - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=0.93"
Tc=19.8 min CN=84 Runoff=12.24 cfs 40,659 cf

Subcatchment17S: PRE - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=0.82"
Tc=23.5 min CN=82 Runoff=16.87 cfs 63,298 cf

Subcatchment18S: POST - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=0.82"
Tc=25.5 min CN=82 Runoff=16.04 cfs 63,298 cf

Subcatchment19S: PRE - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=0.40"
Tc=38.6 min CN=72 Runoff=5.87 cfs 39,624 cf

Subcatchment20S: POST - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=0.44"
Tc=39.9 min CN=73 Runoff=6.46 cfs 42,918 cf

Subcatchment21S: PRE - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=0.93"
Tc=14.8 min CN=84 Runoff=3.31 cfs 9,409 cf

Subcatchment22S: POST - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=0.98"
Tc=15.7 min CN=85 Runoff=3.43 cfs 9,989 cf

Subcatchment23S: PRE - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=0.93"
Tc=32.5 min CN=84 Runoff=1.18 cfs 5,376 cf

Subcatchment24S: POST - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=0.93"
Tc=33.1 min CN=84 Runoff=1.17 cfs 5,376 cf

Subcatchment25S: PRE - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=0.34"
Tc=23.4 min CN=70 Runoff=10.99 cfs 57,296 cf

Subcatchment26S: POST - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=0.40"
Tc=23.4 min CN=72 Runoff=14.35 cfs 67,802 cf

Subcatchment27S: PRE - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=0.21"
Tc=29.4 min CN=65 Runoff=1.31 cfs 11,807 cf

Subcatchment28S: POST - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=0.28"
Tc=25.6 min CN=68 Runoff=2.54 cfs 16,025 cf

Subcatchment29S: PRE - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=0.93"
Tc=19.3 min CN=84 Runoff=6.87 cfs 22,513 cf

Subcatchment30S: POST - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=0.93"
Tc=20.5 min CN=84 Runoff=6.65 cfs 22,513 cf

Total Runoff Area = 44,100,144 sf Runoff Volume = 2,485,179 cf Average Runoff Depth = 0.68"
100.00% Pervious = 44,100,144 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 45

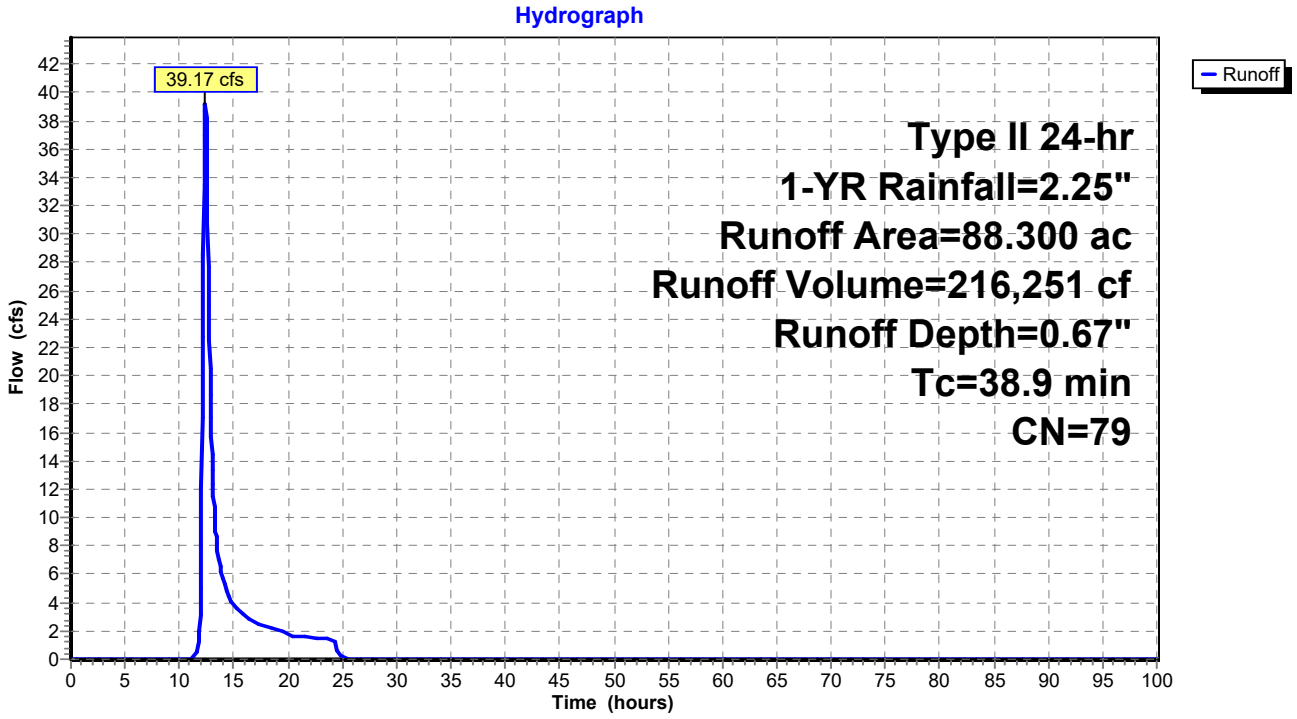
Runoff = 39.17 cfs @ 12.39 hrs, Volume= 216,251 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 45



Summary for Subcatchment 2S: POST - 45

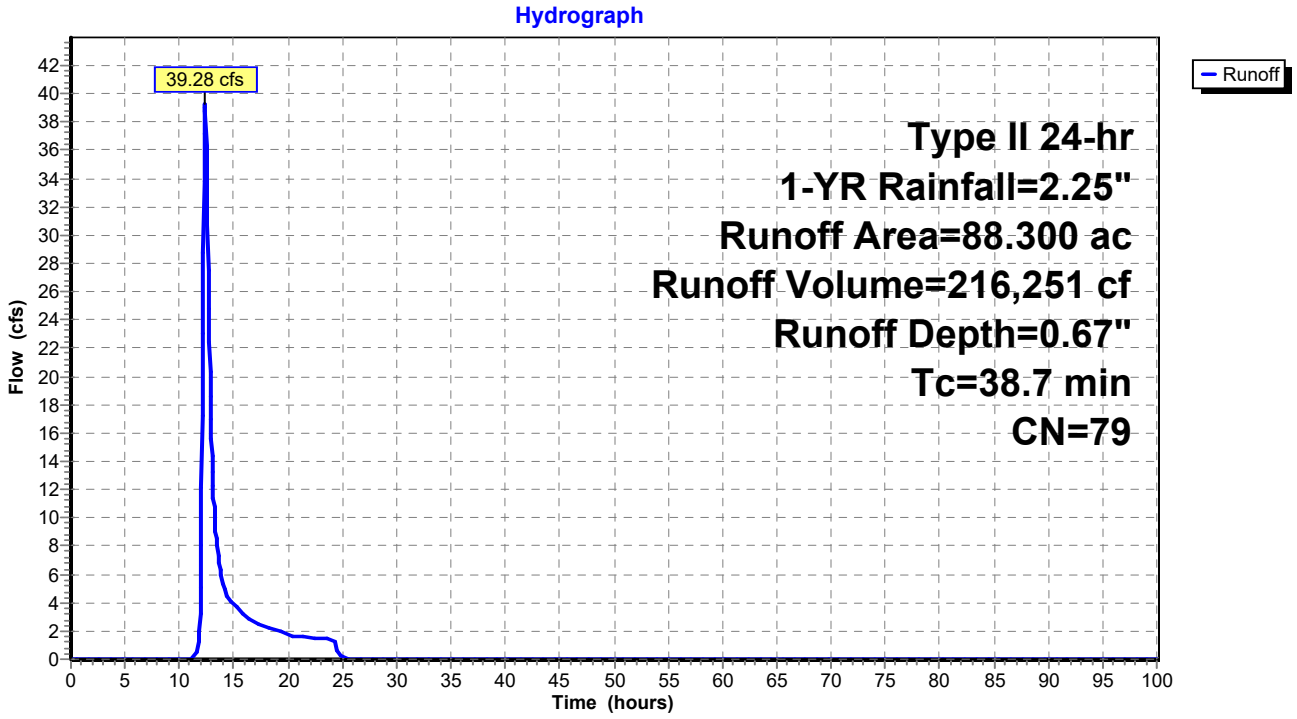
Runoff = 39.28 cfs @ 12.38 hrs, Volume= 216,251 cf, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 45



Summary for Subcatchment 3S: PRE - 31

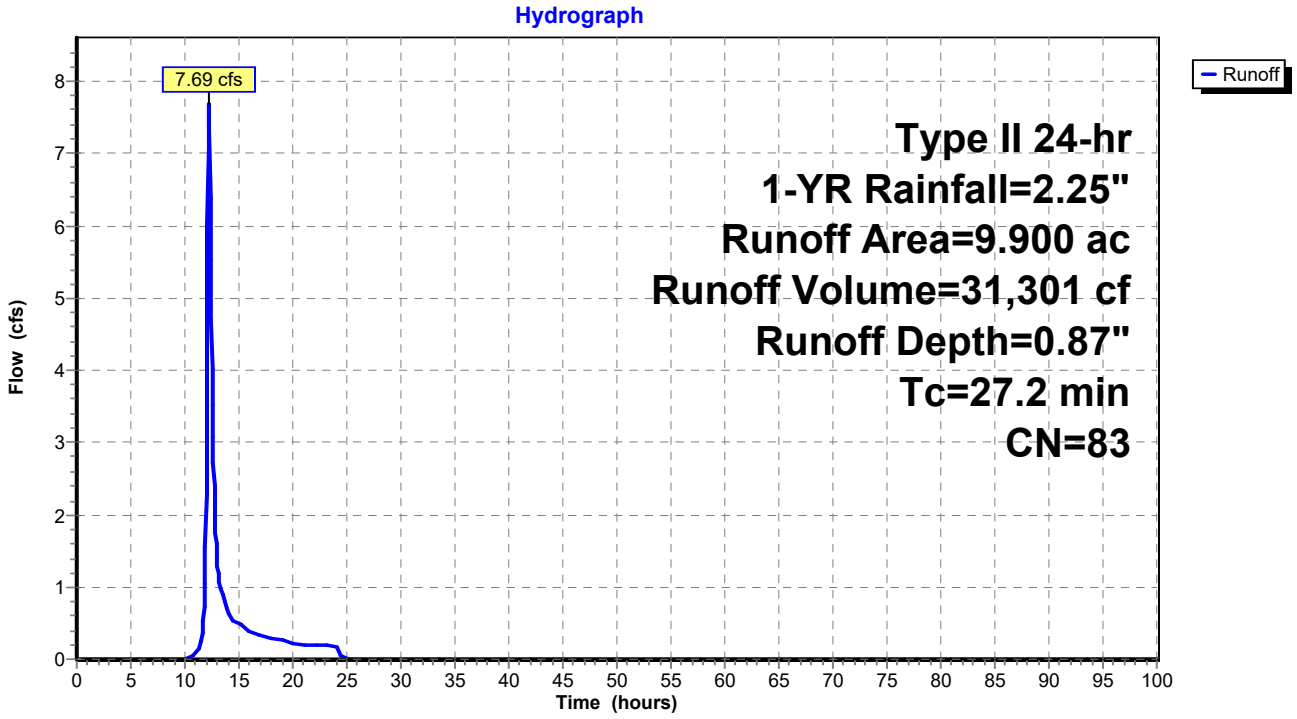
Runoff = 7.69 cfs @ 12.22 hrs, Volume= 31,301 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 3S: PRE - 31



Summary for Subcatchment 4S: POST - 31

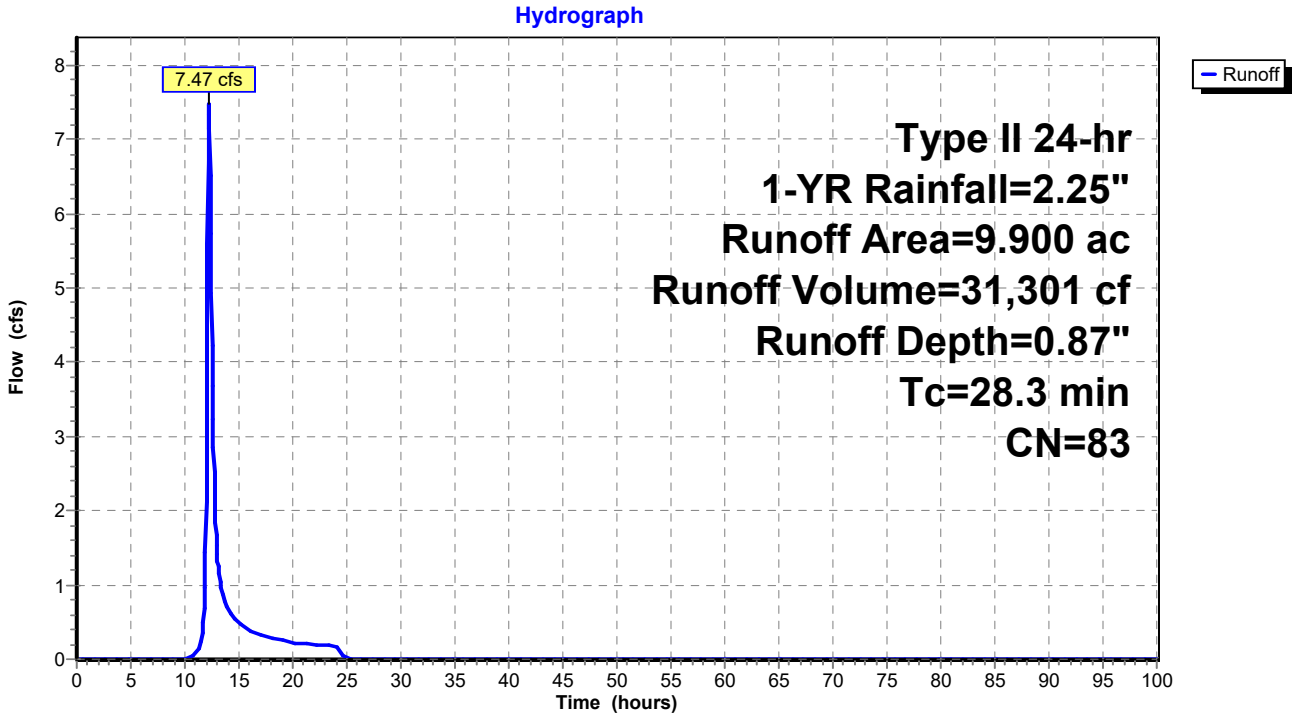
Runoff = 7.47 cfs @ 12.24 hrs, Volume= 31,301 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 4S: POST - 31



Summary for Subcatchment 5S: PRE - 32

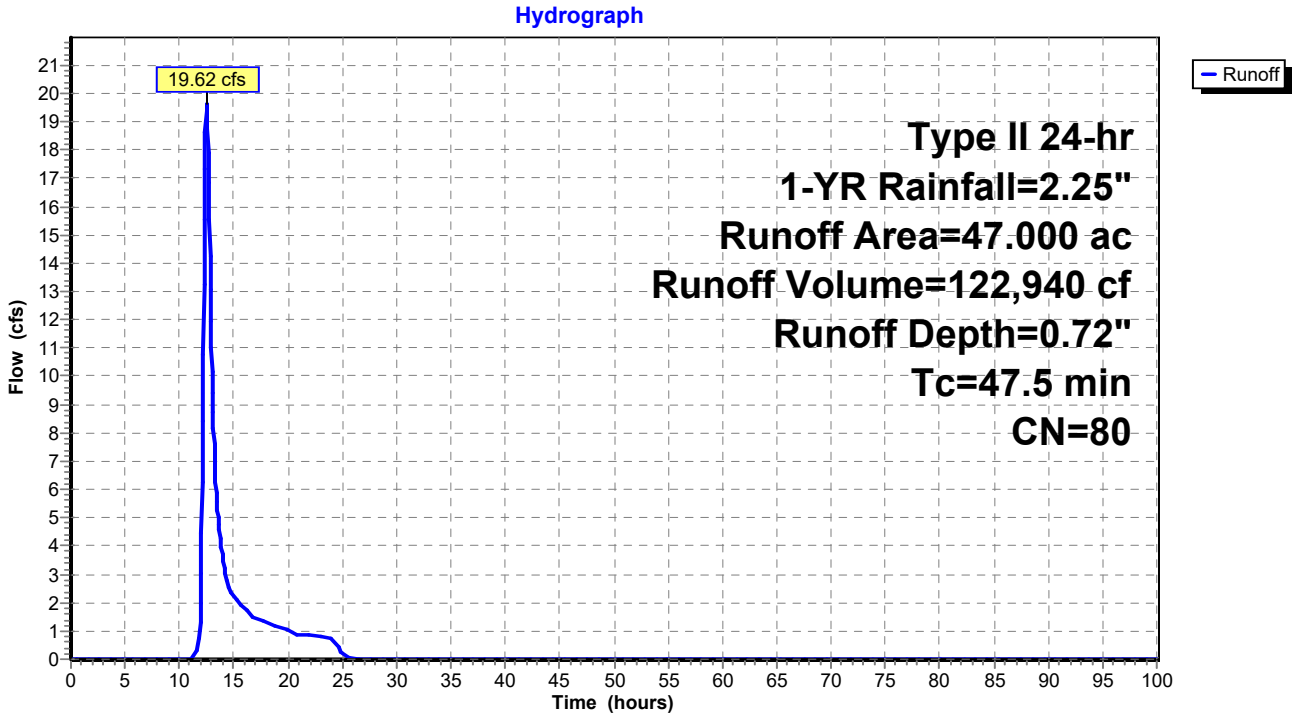
Runoff = 19.62 cfs @ 12.50 hrs, Volume= 122,940 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	47.000	80	
	47.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 32



Summary for Subcatchment 6S: POST - 32

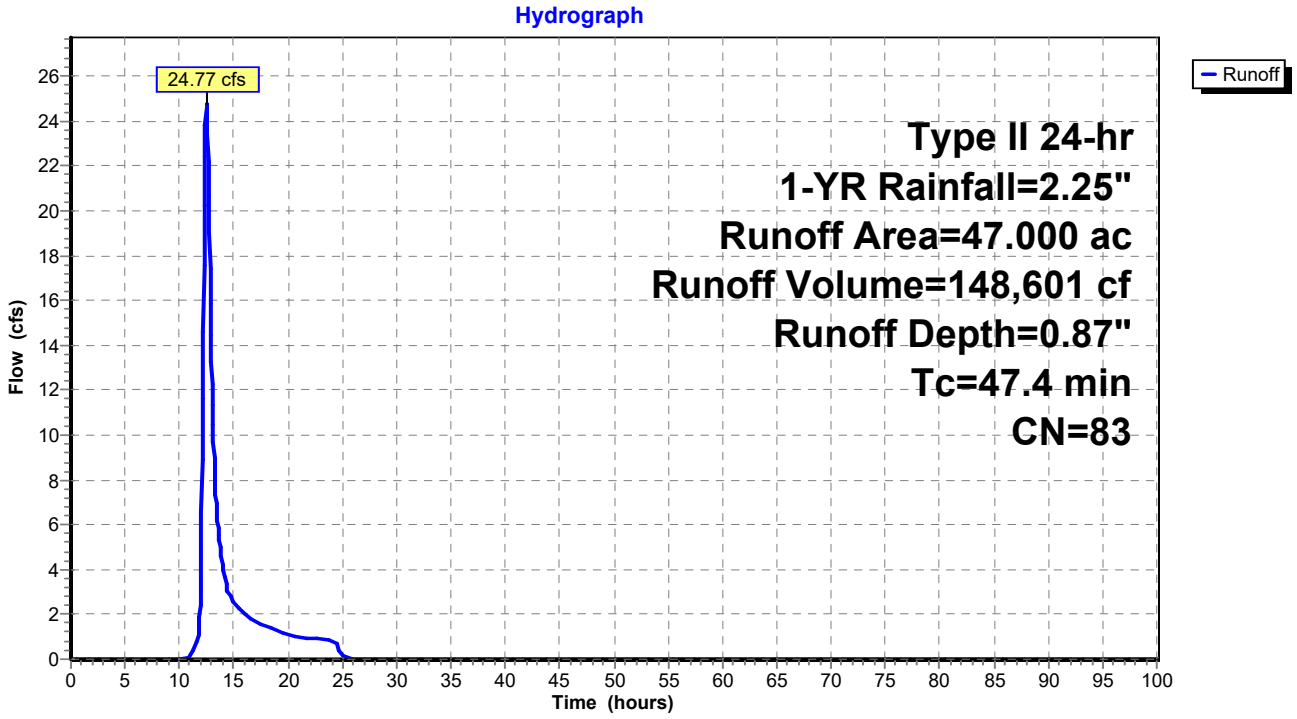
Runoff = 24.77 cfs @ 12.49 hrs, Volume= 148,601 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	47.000	83	
	47.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 32



Summary for Subcatchment 7S: PRE - 33

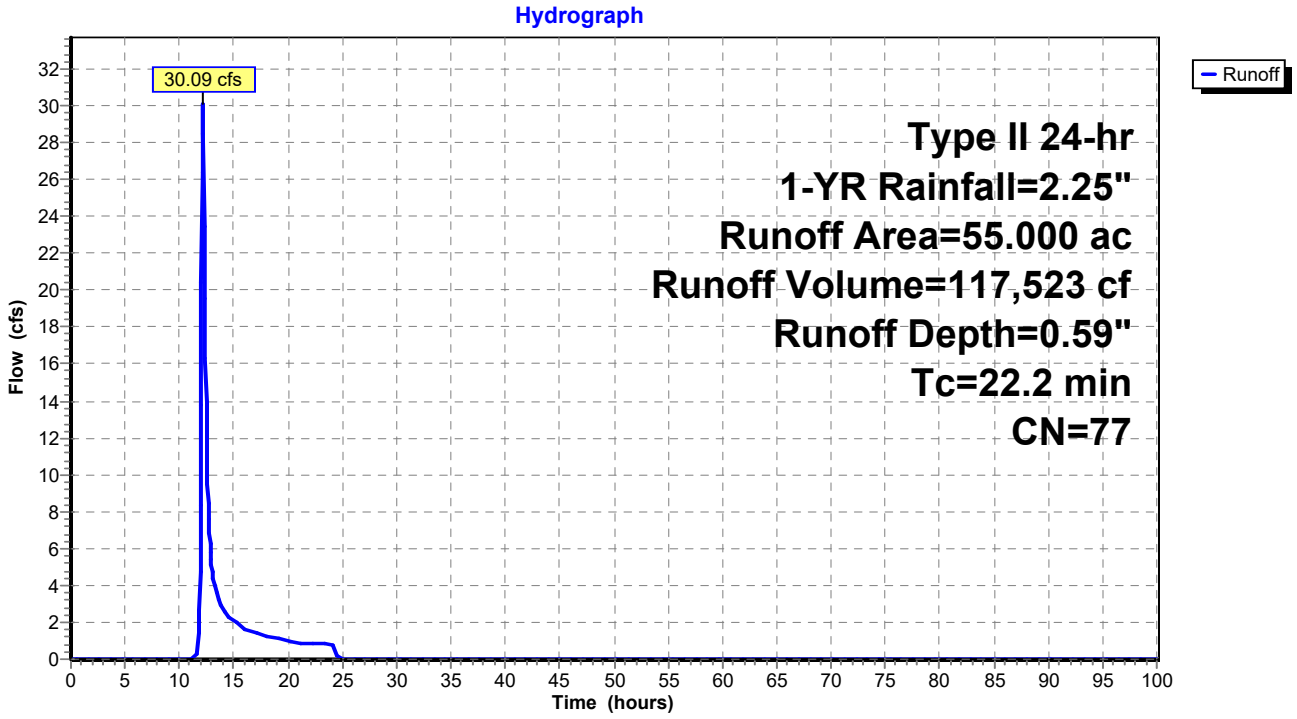
Runoff = 30.09 cfs @ 12.18 hrs, Volume= 117,523 cf, Depth= 0.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	55.000	77	
	55.000		100.00% Pervious Area

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

Subcatchment 7S: PRE - 33



Summary for Subcatchment 8S: POST - 33

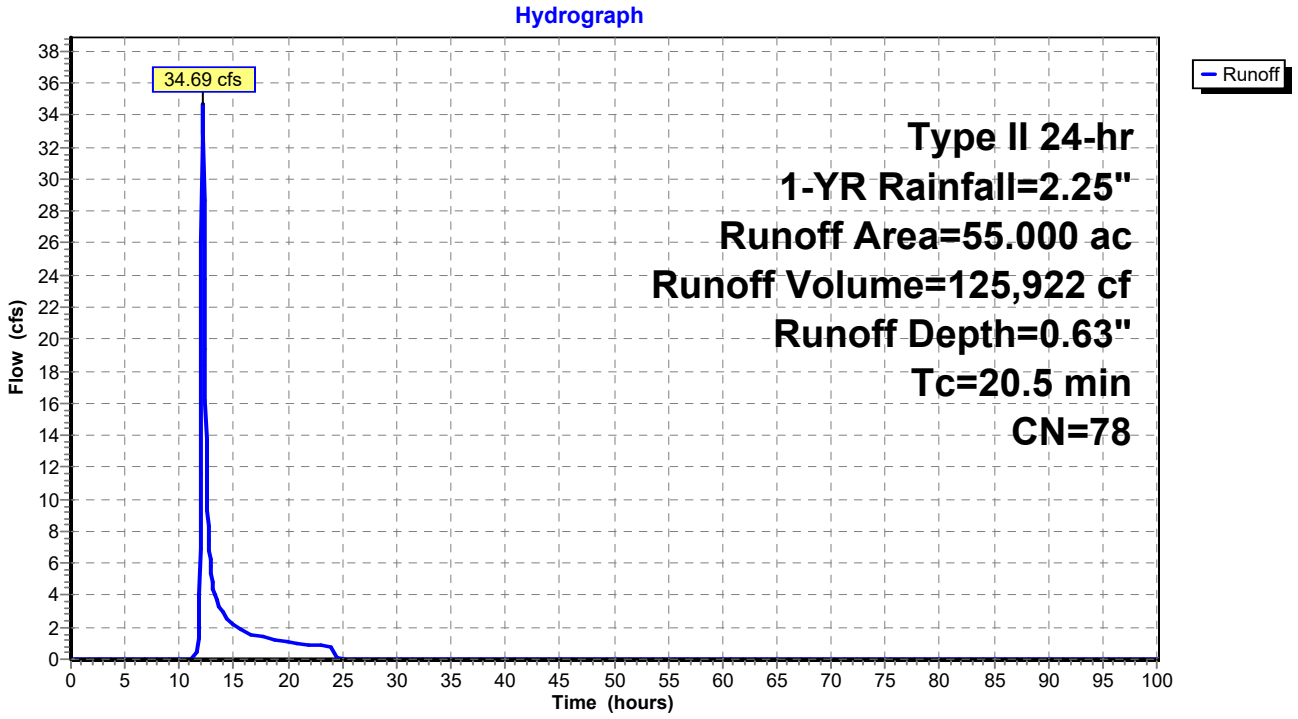
Runoff = 34.69 cfs @ 12.15 hrs, Volume= 125,922 cf, Depth= 0.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	55.000	78	
	55.000		100.00% Pervious Area

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

Subcatchment 8S: POST - 33



Summary for Subcatchment 9S: PRE - 34

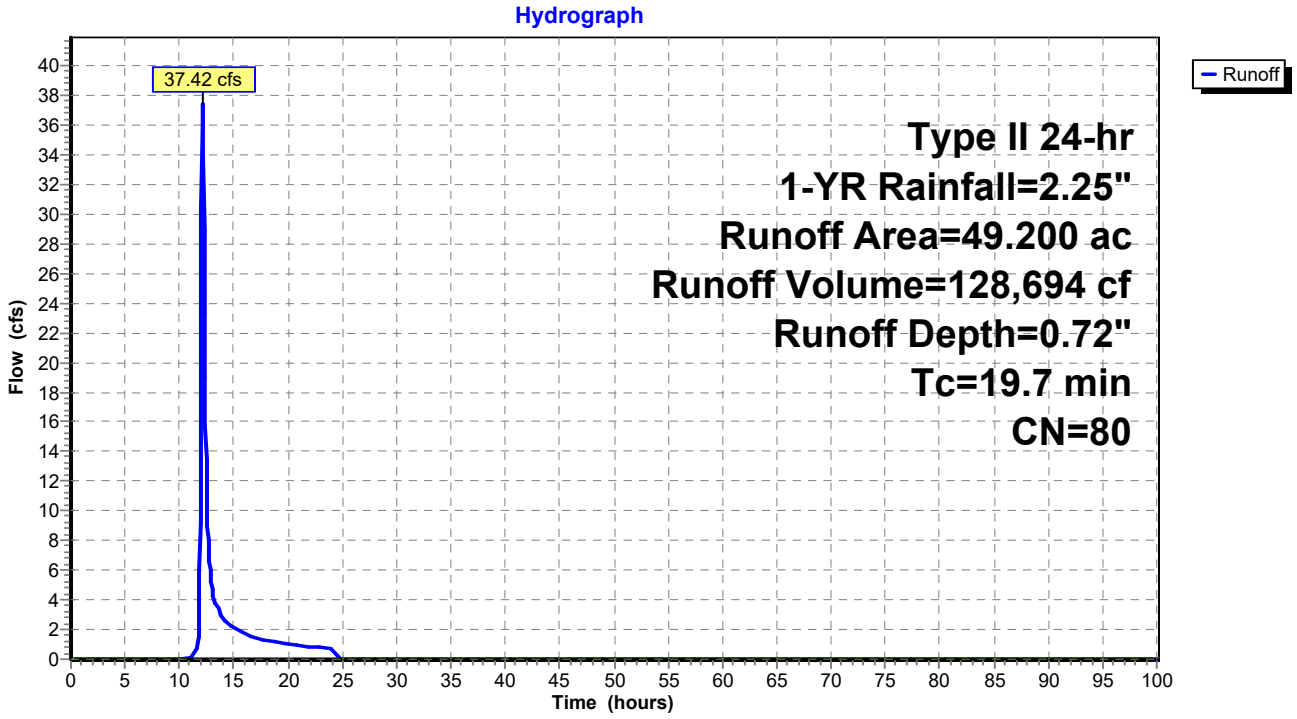
Runoff = 37.42 cfs @ 12.14 hrs, Volume= 128,694 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 9S: PRE - 34



Summary for Subcatchment 10S: POST - 34

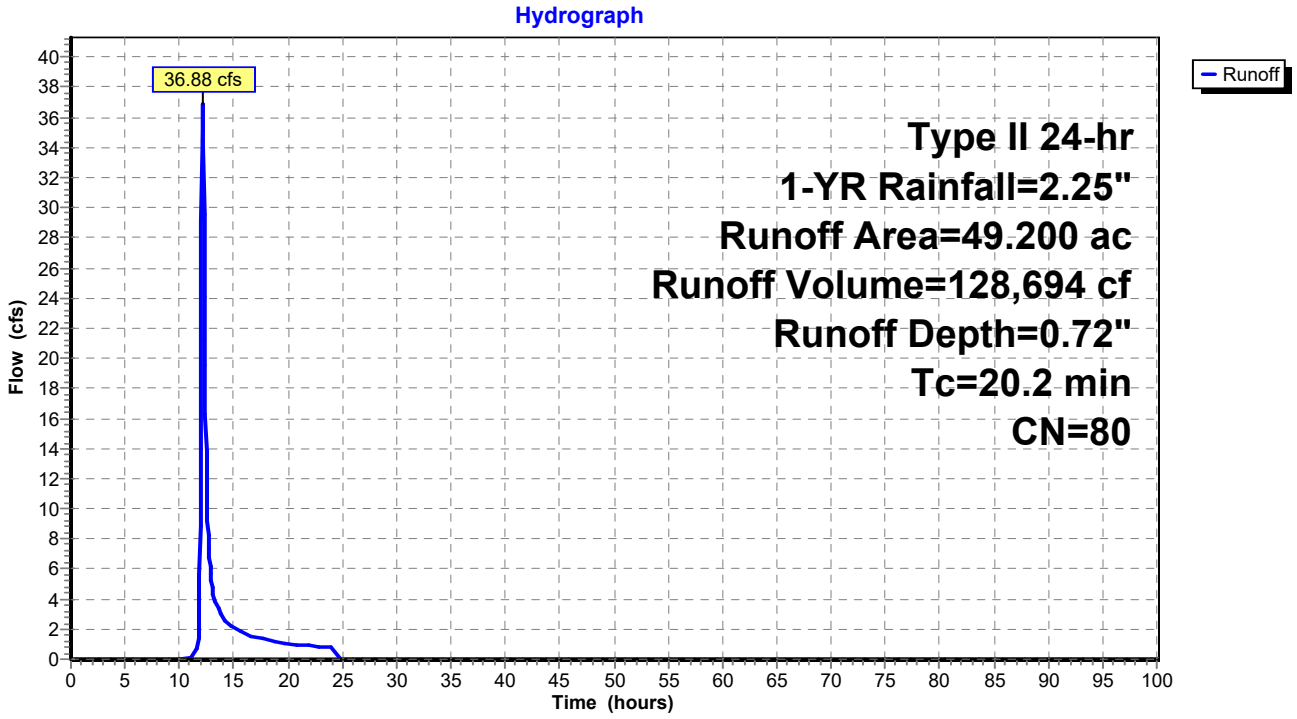
Runoff = 36.88 cfs @ 12.15 hrs, Volume= 128,694 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 10S: POST - 34



Summary for Subcatchment 11S: PRE - 35

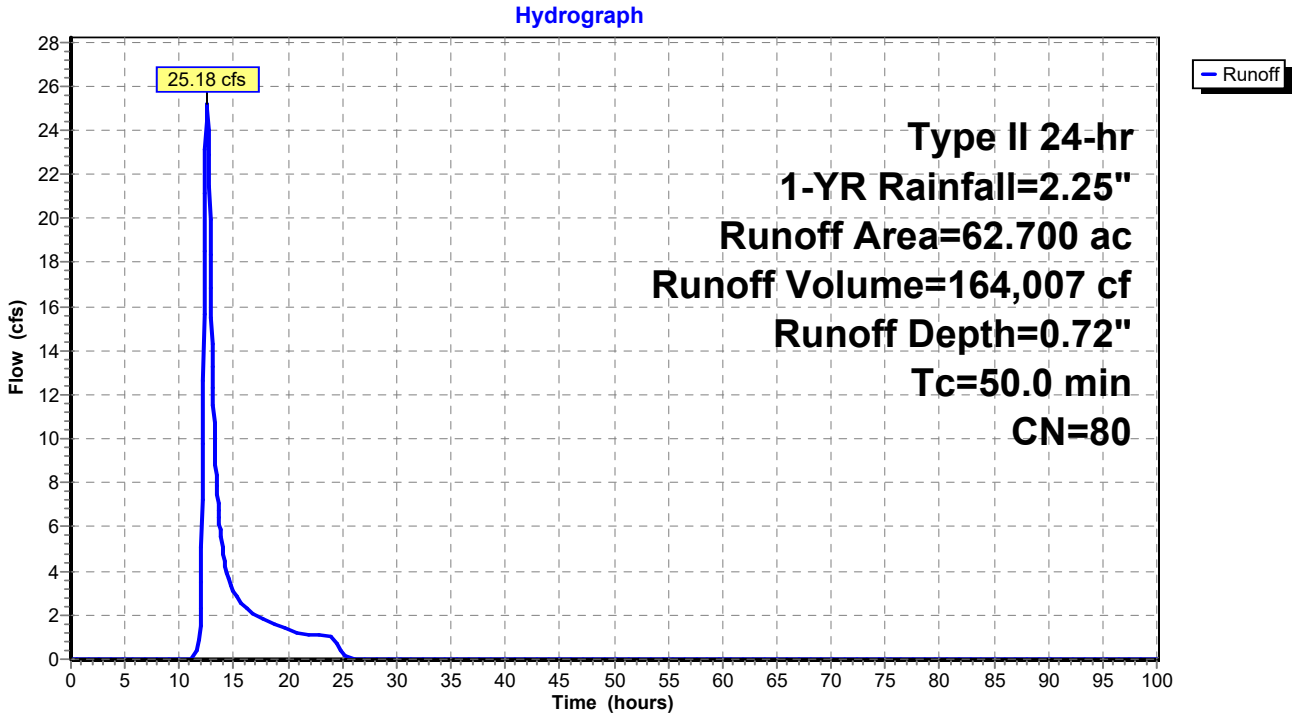
Runoff = 25.18 cfs @ 12.53 hrs, Volume= 164,007 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 11S: PRE - 35



Summary for Subcatchment 12S: POST - 35

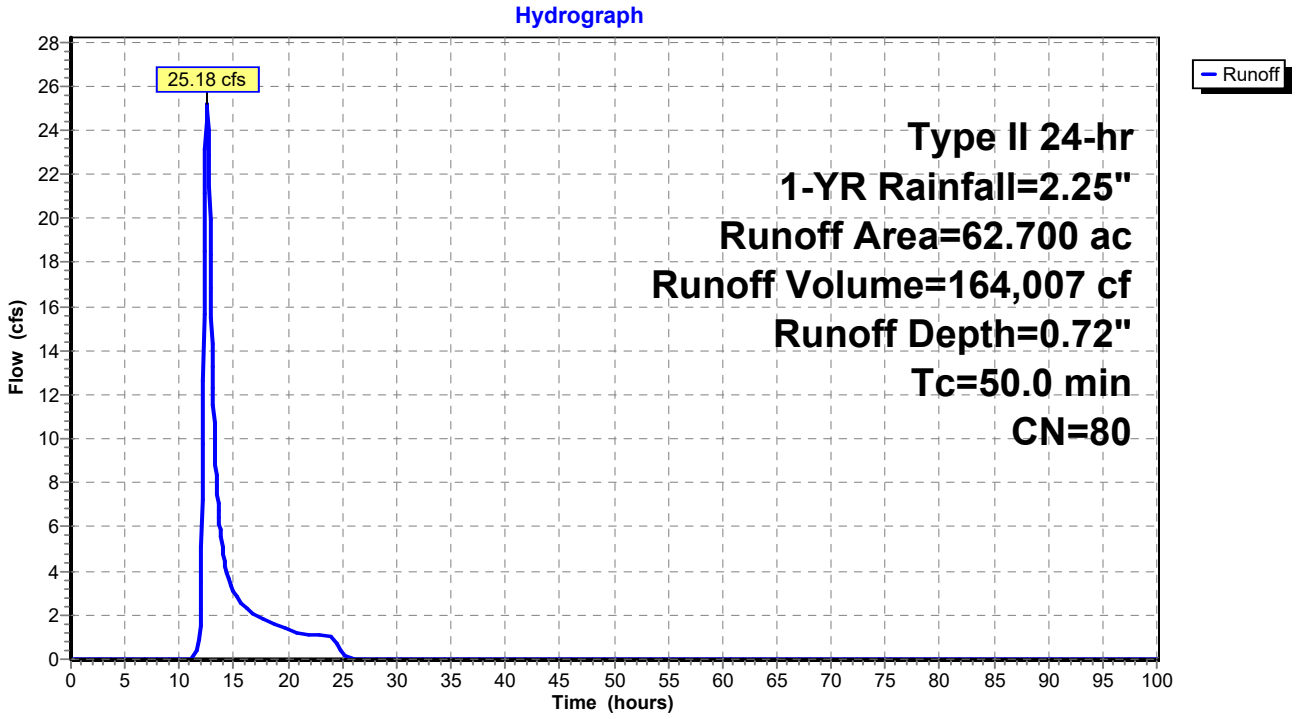
Runoff = 25.18 cfs @ 12.53 hrs, Volume= 164,007 cf, Depth= 0.72"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 12S: POST - 35



Summary for Subcatchment 13S: PRE - 36

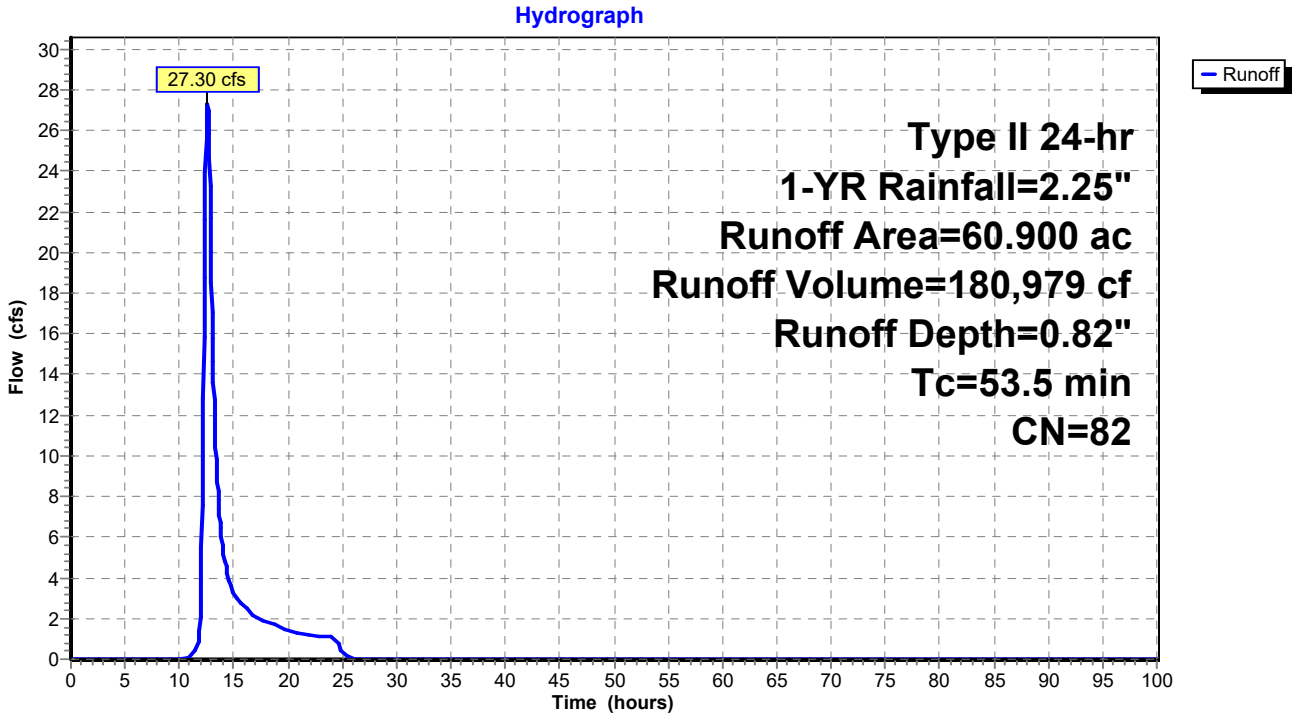
Runoff = 27.30 cfs @ 12.57 hrs, Volume= 180,979 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	60.900	82	
	60.900		100.00% Pervious Area

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

Subcatchment 13S: PRE - 36



Summary for Subcatchment 14S: POST - 36

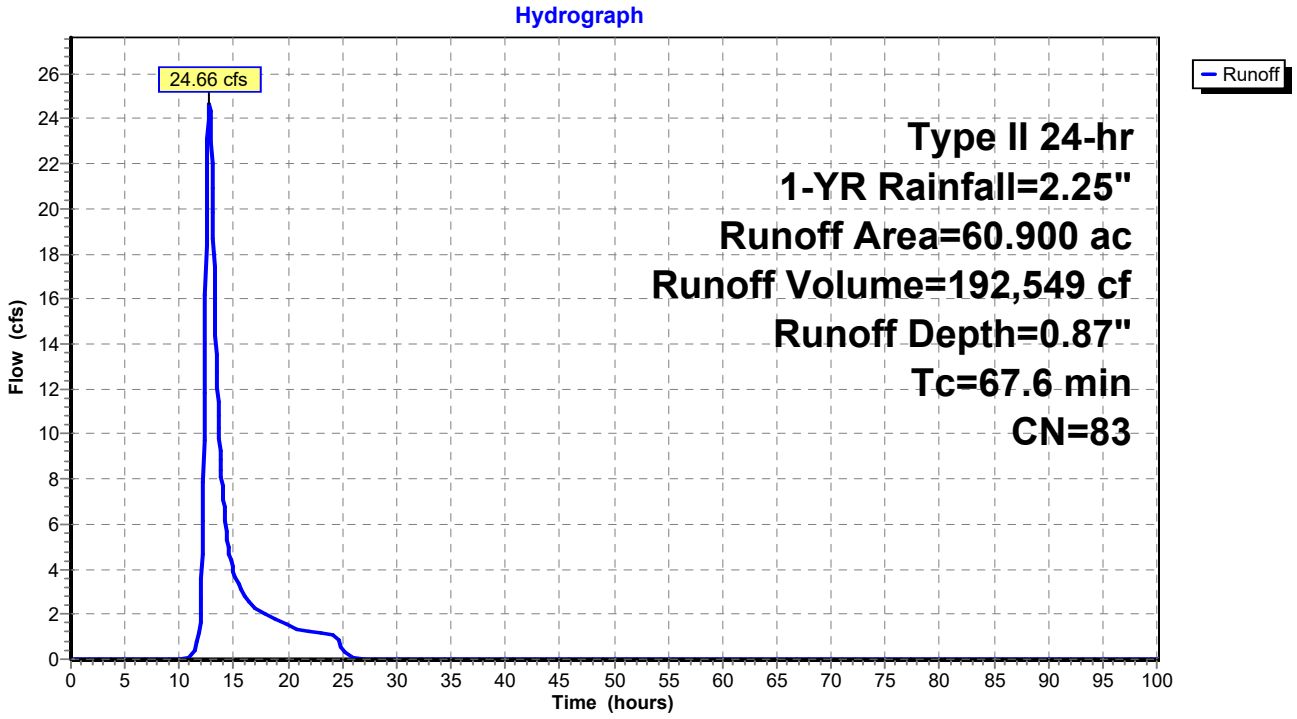
Runoff = 24.66 cfs @ 12.76 hrs, Volume= 192,549 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	60.900	83	
	60.900		100.00% Pervious Area

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

Subcatchment 14S: POST - 36



Summary for Subcatchment 15S: PRE - 37

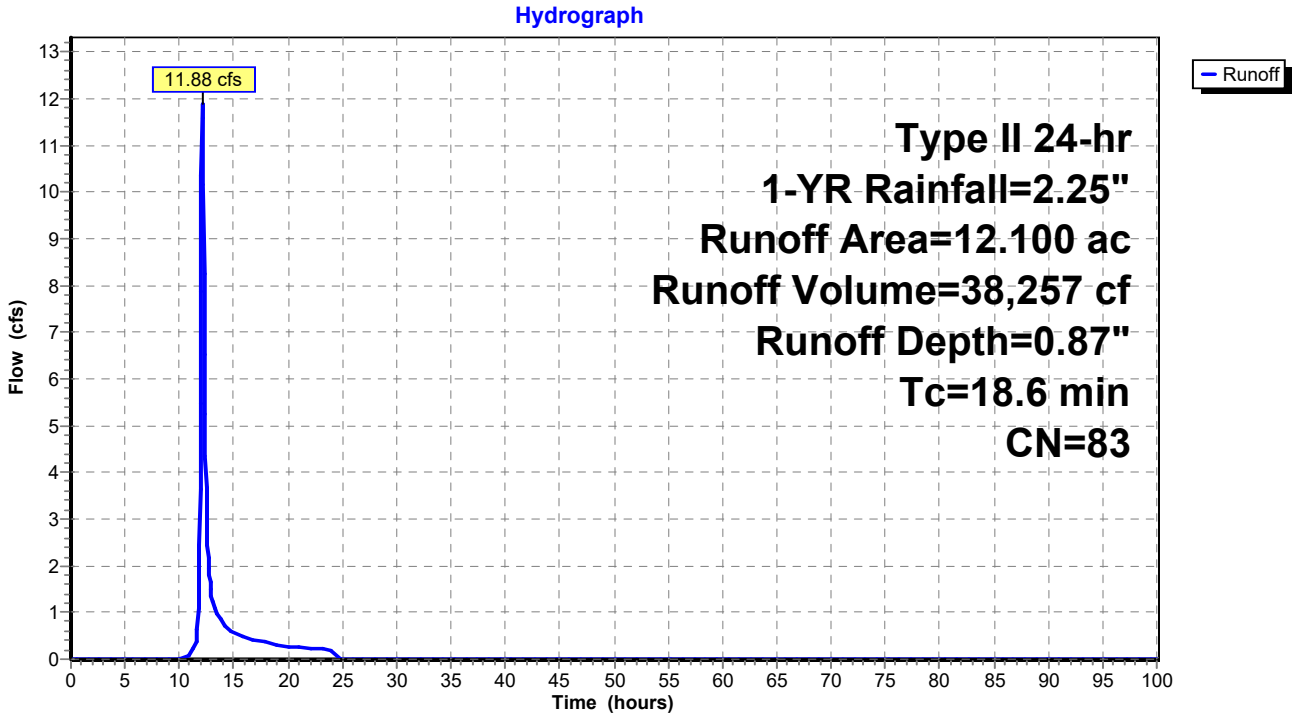
Runoff = 11.88 cfs @ 12.12 hrs, Volume= 38,257 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	12.100	83	
	12.100		100.00% Pervious Area

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

Subcatchment 15S: PRE - 37



Summary for Subcatchment 16S: POST - 37

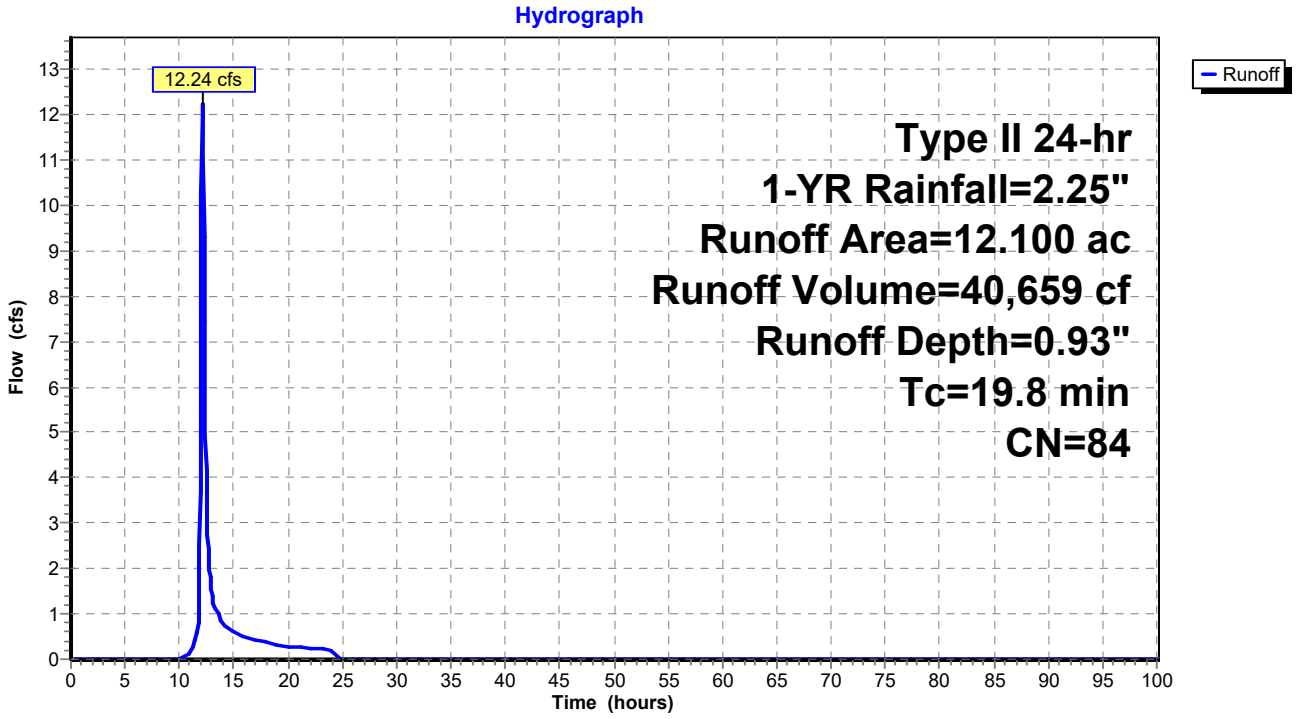
Runoff = 12.24 cfs @ 12.13 hrs, Volume= 40,659 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	12.100	84	
	12.100		100.00% Pervious Area

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

Subcatchment 16S: POST - 37



Summary for Subcatchment 17S: PRE - 38

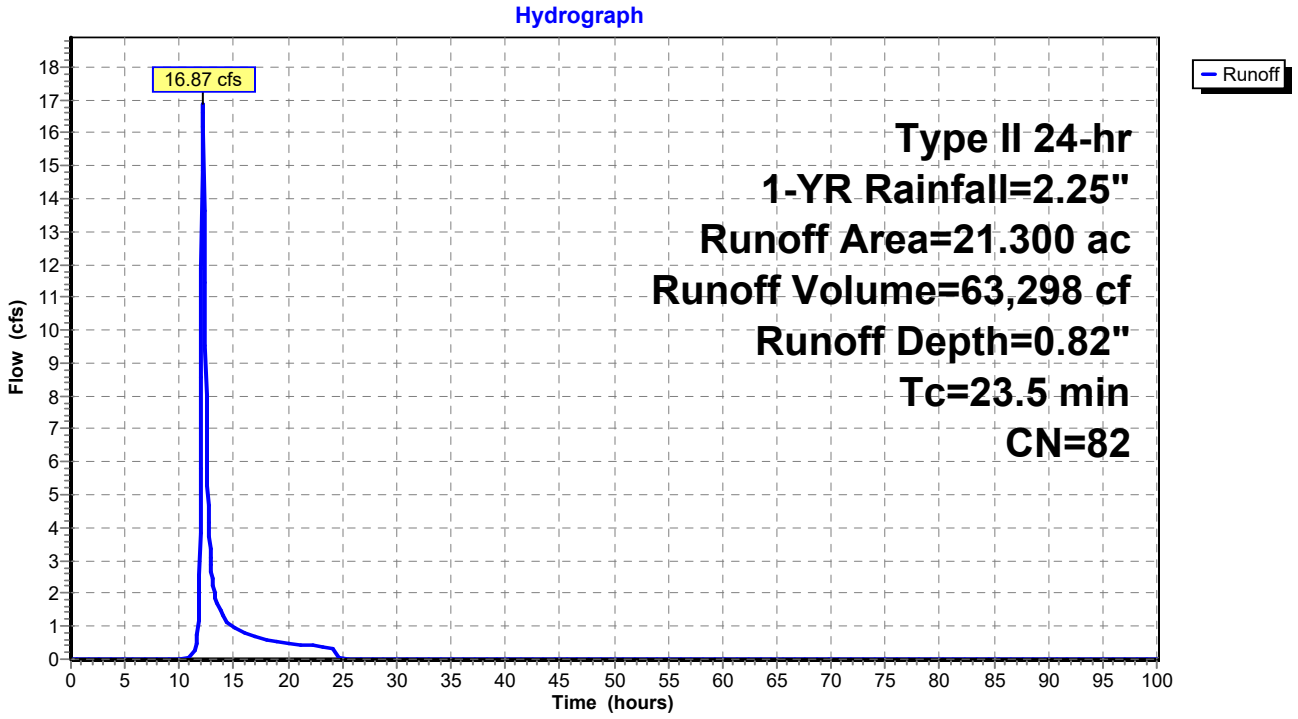
Runoff = 16.87 cfs @ 12.18 hrs, Volume= 63,298 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 38



Summary for Subcatchment 18S: POST - 38

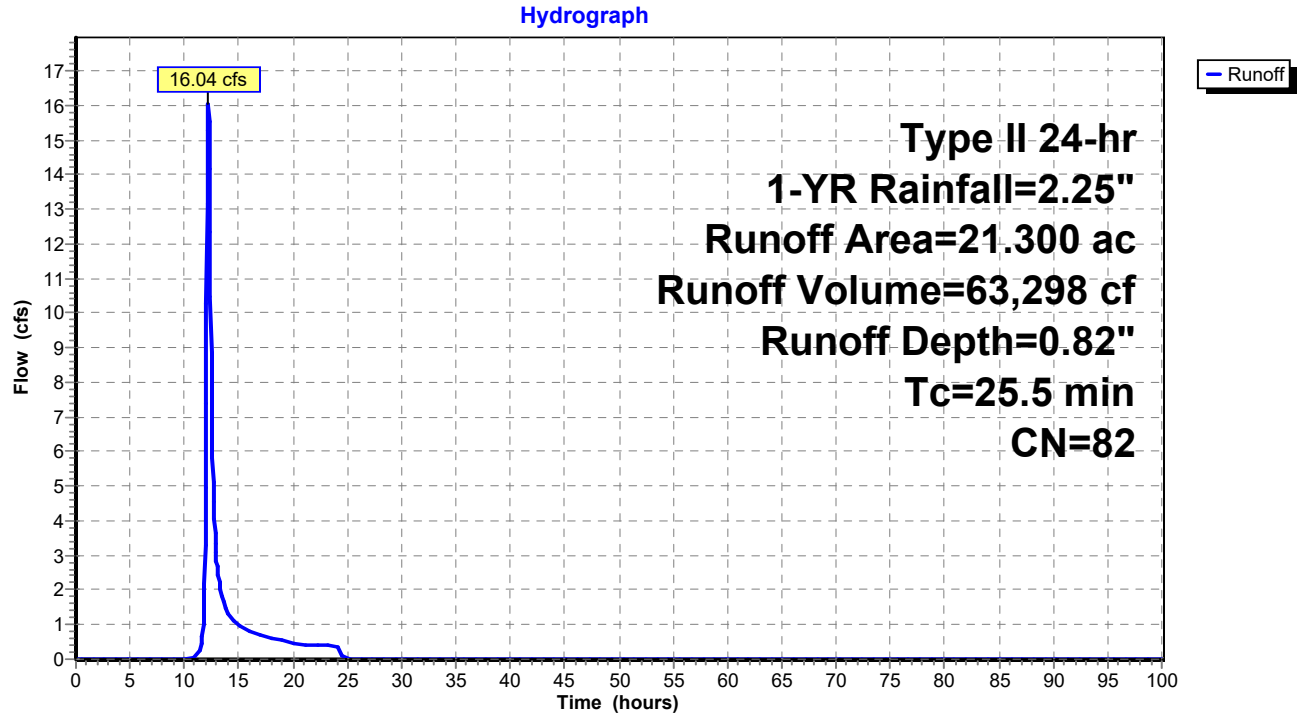
Runoff = 16.04 cfs @ 12.21 hrs, Volume= 63,298 cf, Depth= 0.82"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 38



Summary for Subcatchment 19S: PRE - 39

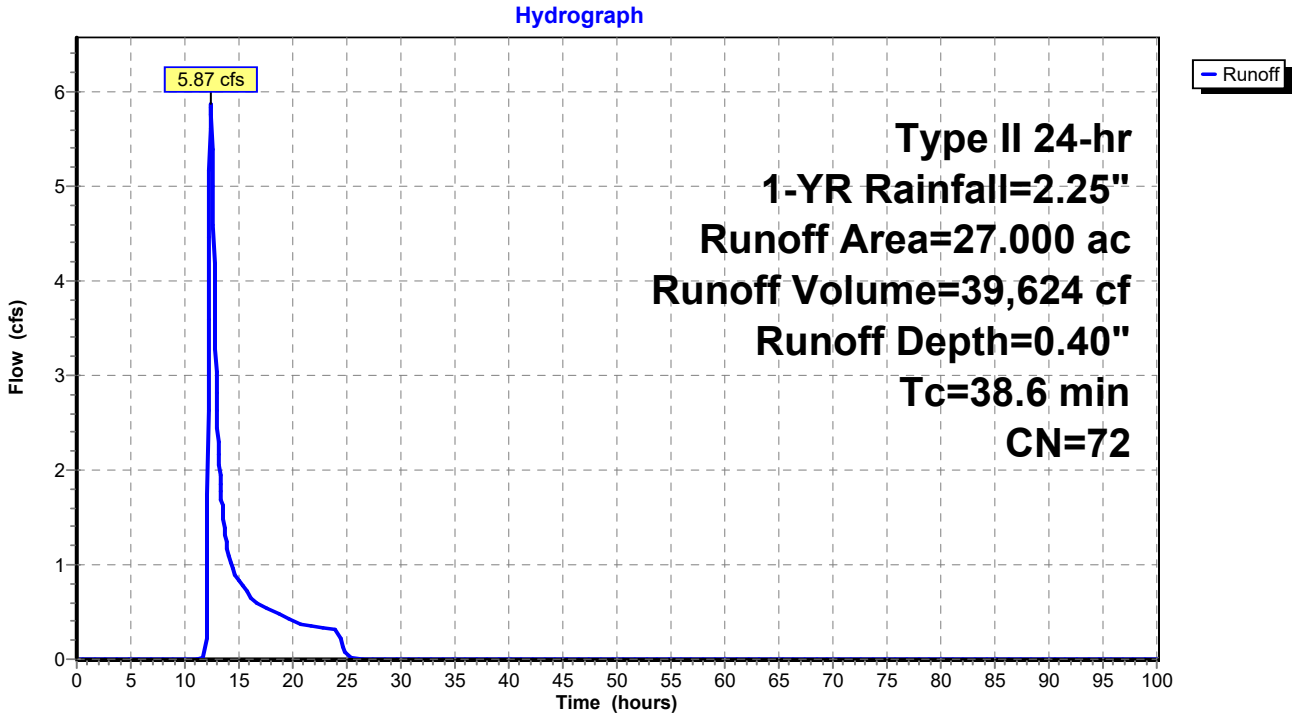
Runoff = 5.87 cfs @ 12.42 hrs, Volume= 39,624 cf, Depth= 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	27.000	72	
	27.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 39



Summary for Subcatchment 20S: POST - 39

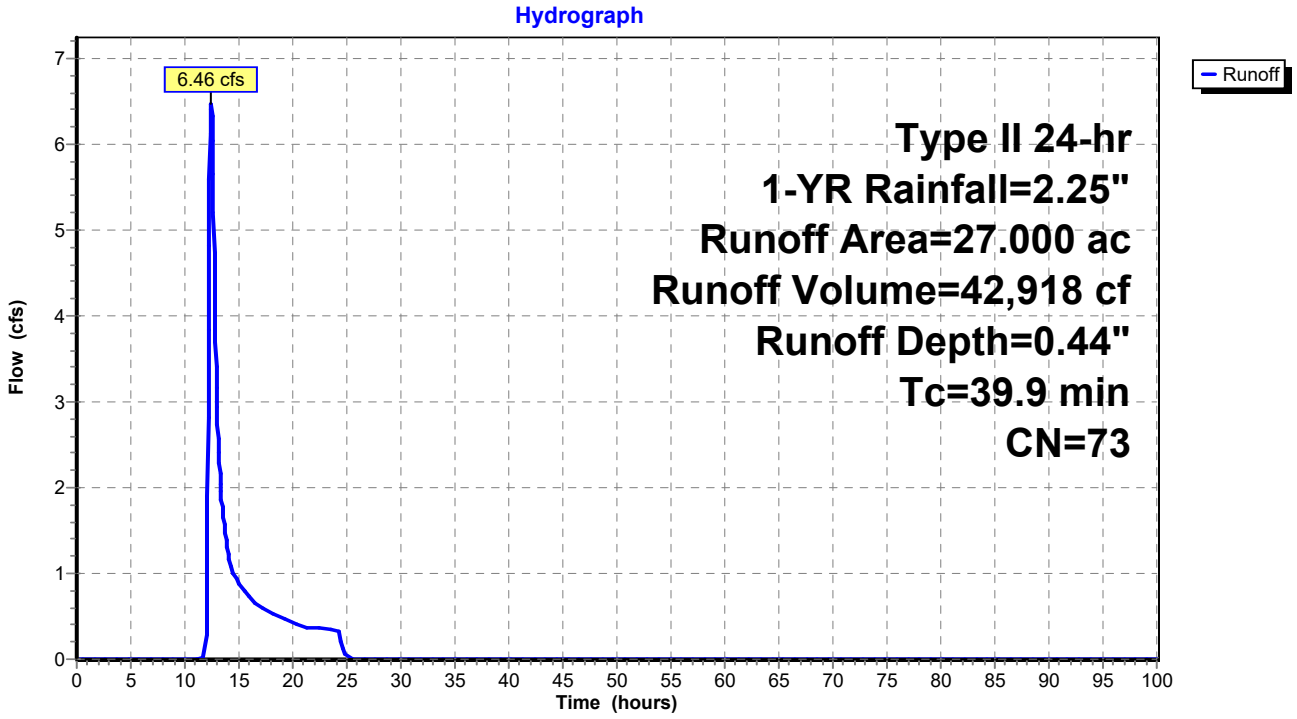
Runoff = 6.46 cfs @ 12.44 hrs, Volume= 42,918 cf, Depth= 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	27.000	73	
	27.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 39



Summary for Subcatchment 21S: PRE - 40

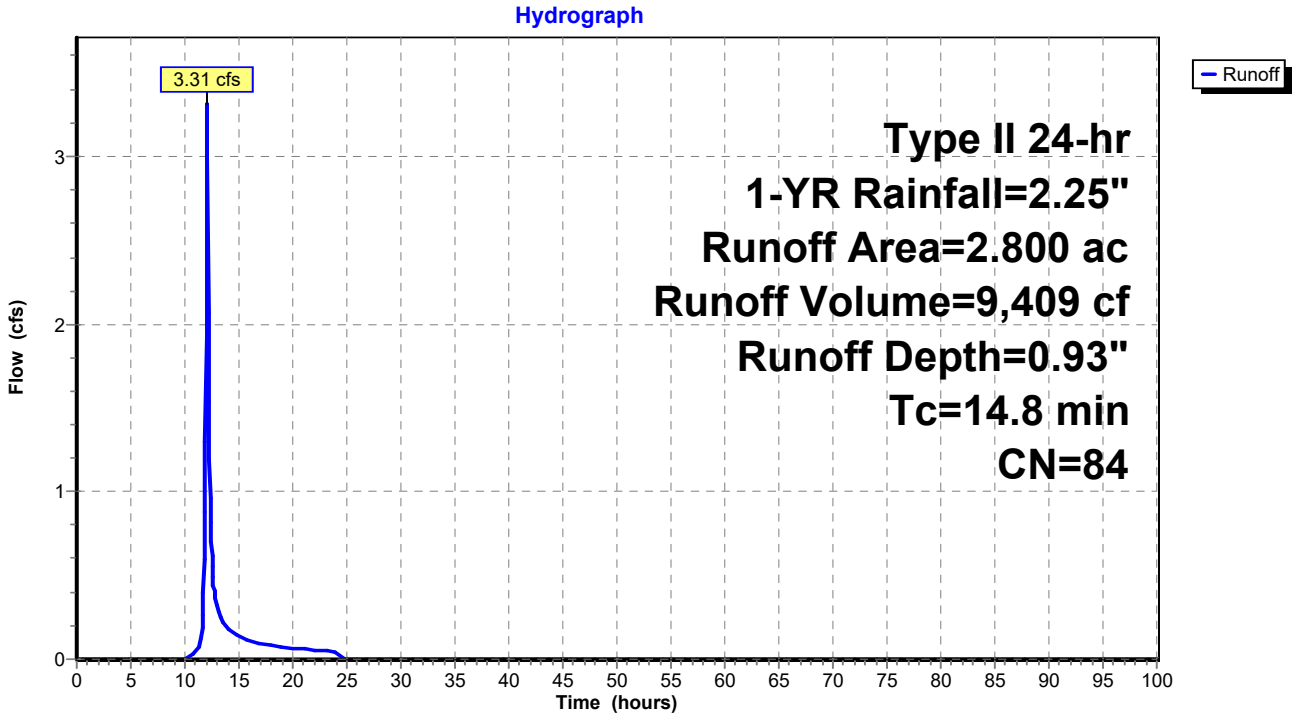
Runoff = 3.31 cfs @ 12.07 hrs, Volume= 9,409 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	2.800	84	
	2.800		100.00% Pervious Area

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

Subcatchment 21S: PRE - 40



Summary for Subcatchment 22S: POST - 40

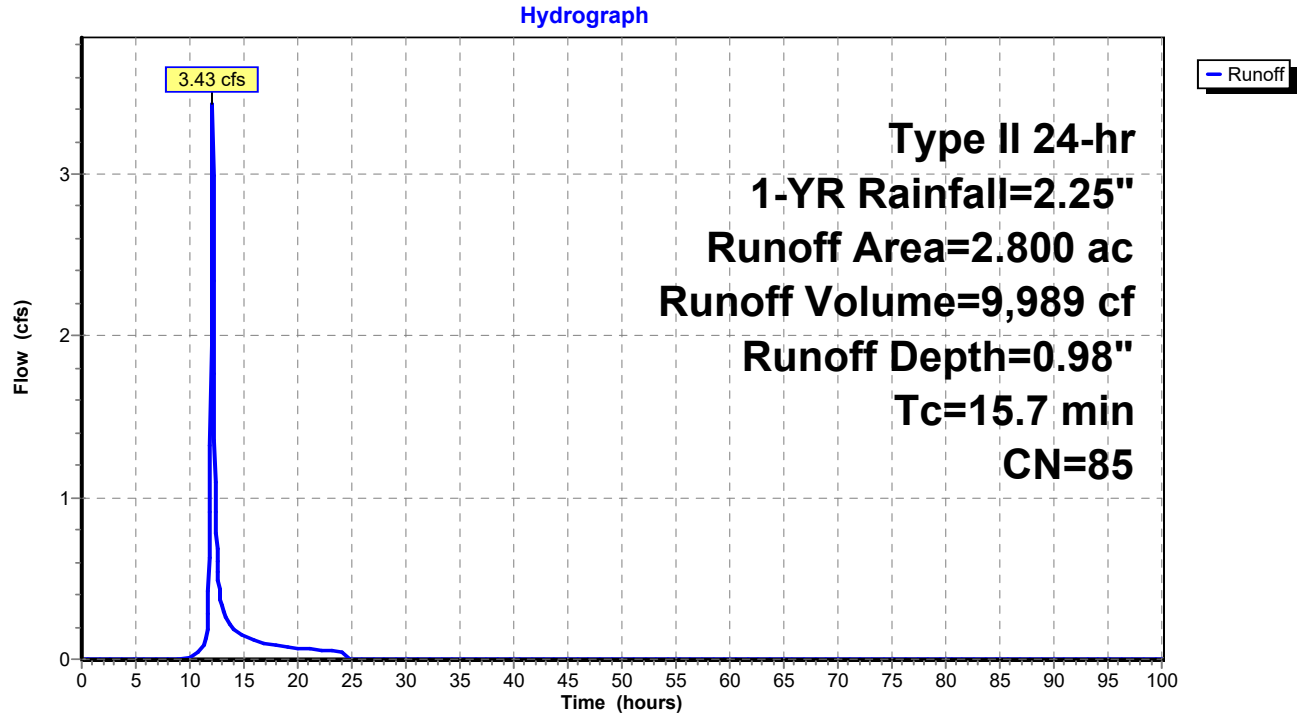
Runoff = 3.43 cfs @ 12.08 hrs, Volume= 9,989 cf, Depth= 0.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	2.800	85	
	2.800		100.00% Pervious Area

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

Subcatchment 22S: POST - 40



Summary for Subcatchment 23S: PRE - 41

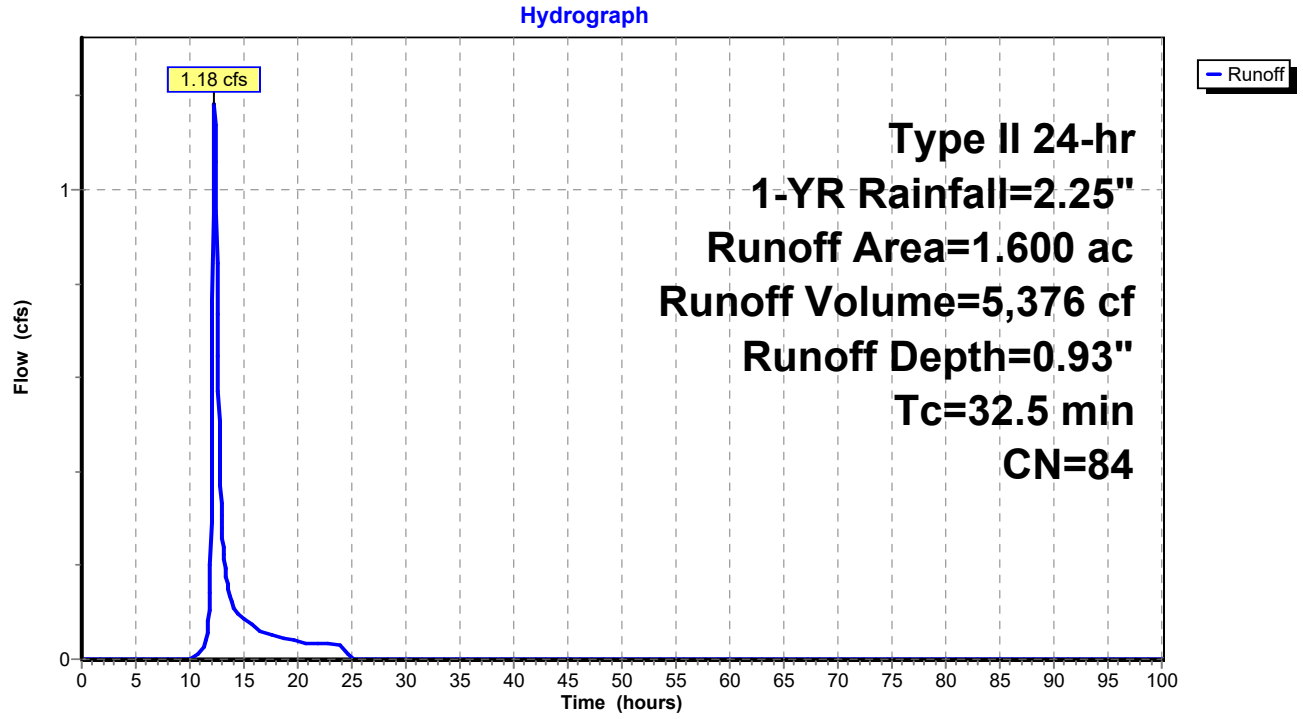
Runoff = 1.18 cfs @ 12.29 hrs, Volume= 5,376 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 23S: PRE - 41



Summary for Subcatchment 24S: POST - 41

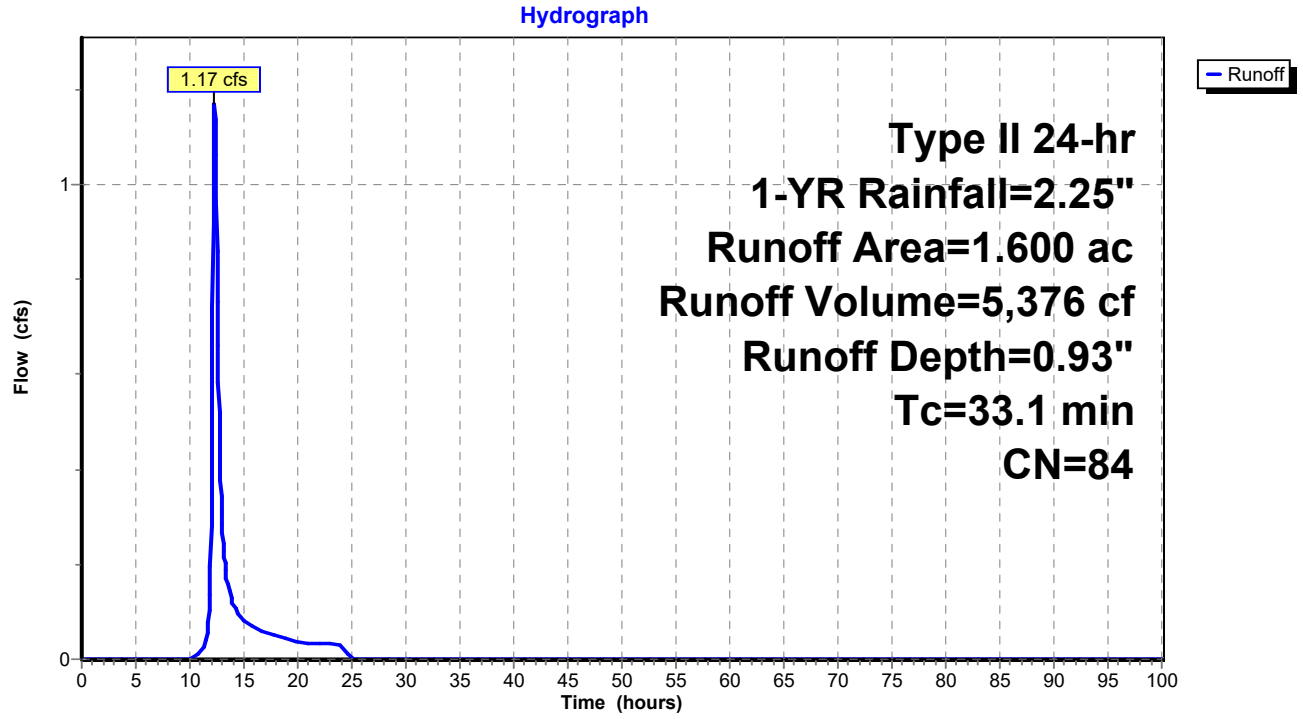
Runoff = 1.17 cfs @ 12.29 hrs, Volume= 5,376 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 24S: POST - 41



Summary for Subcatchment 25S: PRE - 42

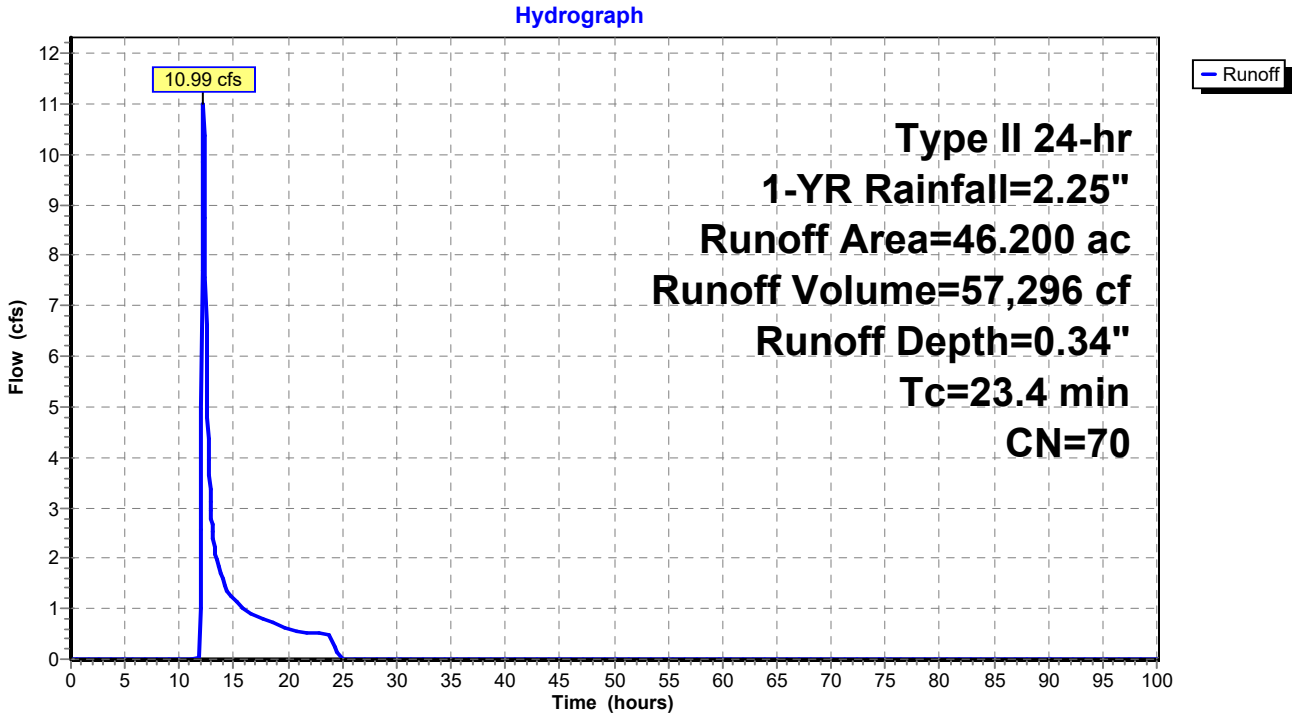
Runoff = 10.99 cfs @ 12.22 hrs, Volume= 57,296 cf, Depth= 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	46.200	70	
	46.200		100.00% Pervious Area

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

Subcatchment 25S: PRE - 42



Summary for Subcatchment 26S: POST - 42

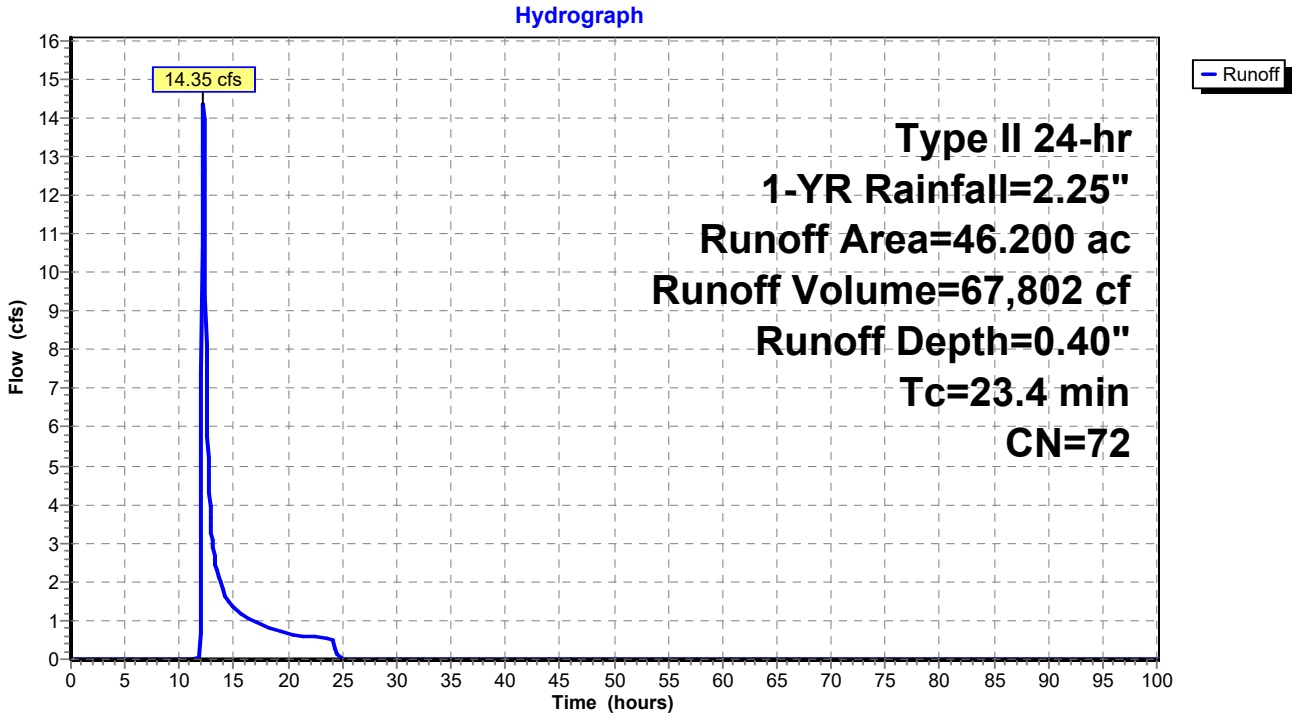
Runoff = 14.35 cfs @ 12.21 hrs, Volume= 67,802 cf, Depth= 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	46.200	72	
	46.200		100.00% Pervious Area

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

Subcatchment 26S: POST - 42



Summary for Subcatchment 27S: PRE - 43

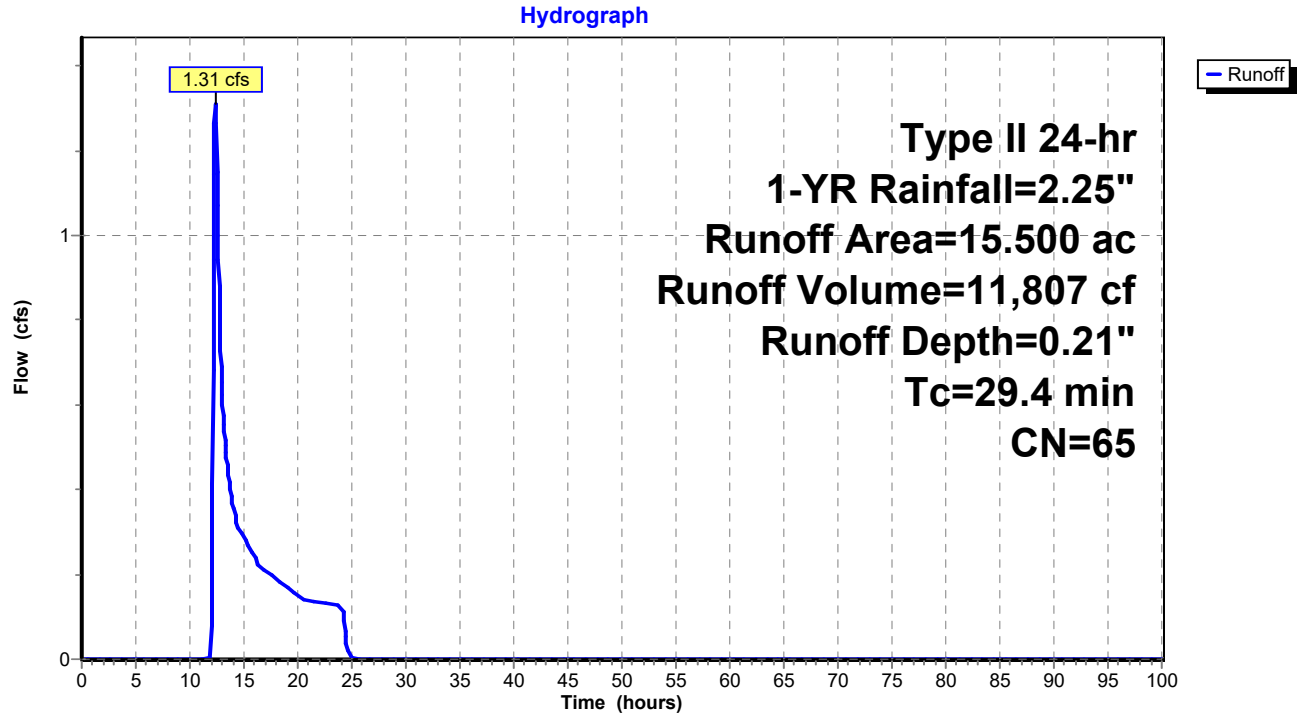
Runoff = 1.31 cfs @ 12.36 hrs, Volume= 11,807 cf, Depth= 0.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	15.500	65	
	15.500		100.00% Pervious Area

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

Subcatchment 27S: PRE - 43



Summary for Subcatchment 28S: POST - 43

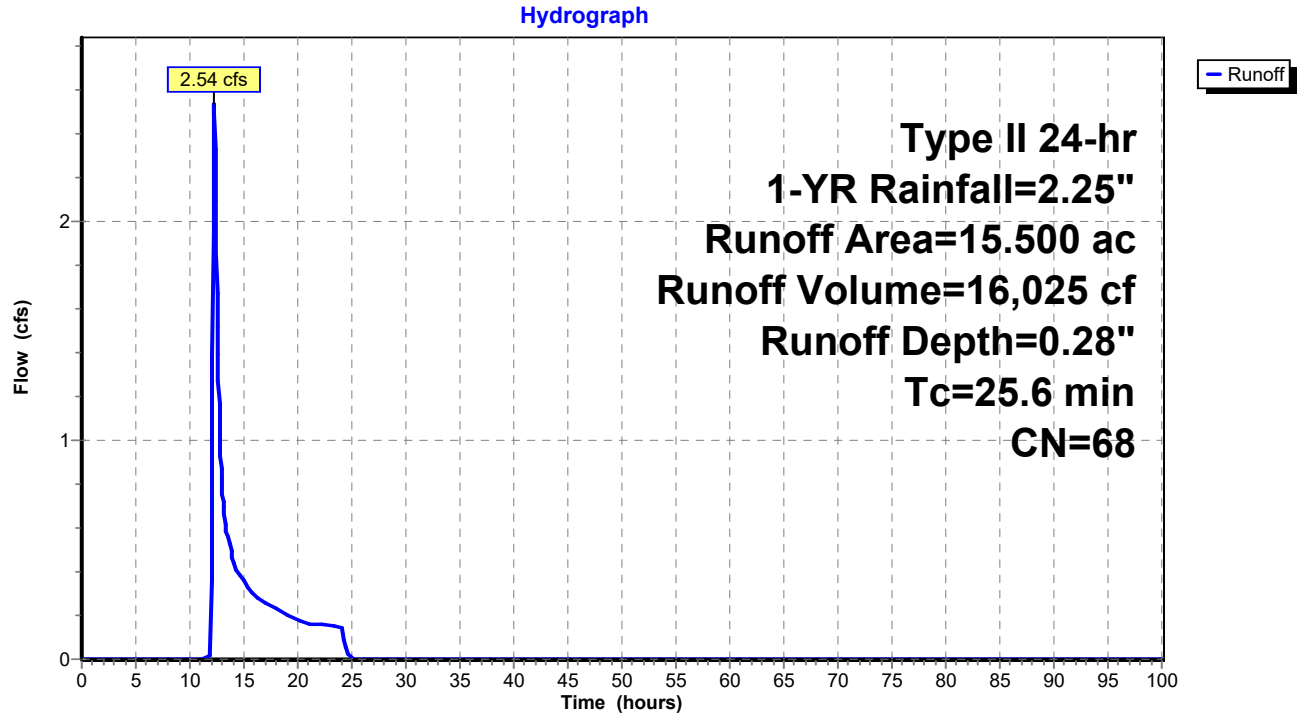
Runoff = 2.54 cfs @ 12.27 hrs, Volume= 16,025 cf, Depth= 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	15.500	68	
	15.500		100.00% Pervious Area

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

Subcatchment 28S: POST - 43



Summary for Subcatchment 29S: PRE - 44

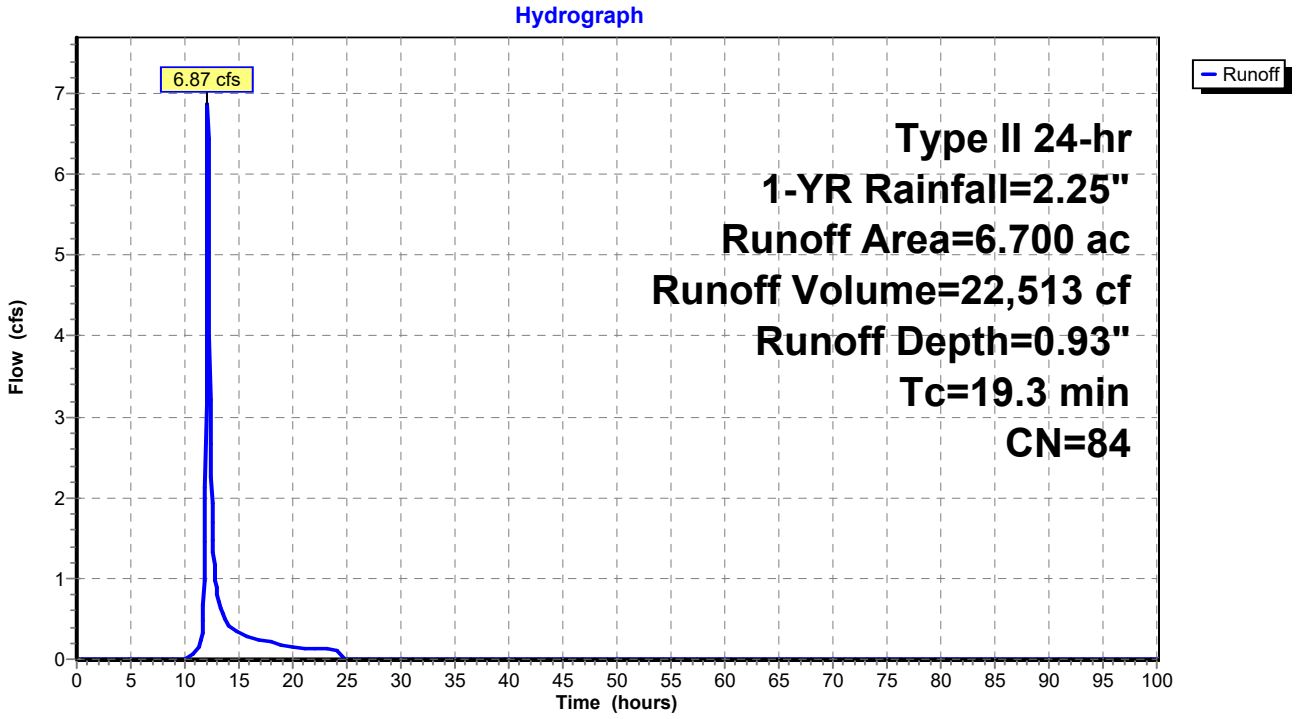
Runoff = 6.87 cfs @ 12.13 hrs, Volume= 22,513 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 44



Summary for Subcatchment 30S: POST - 44

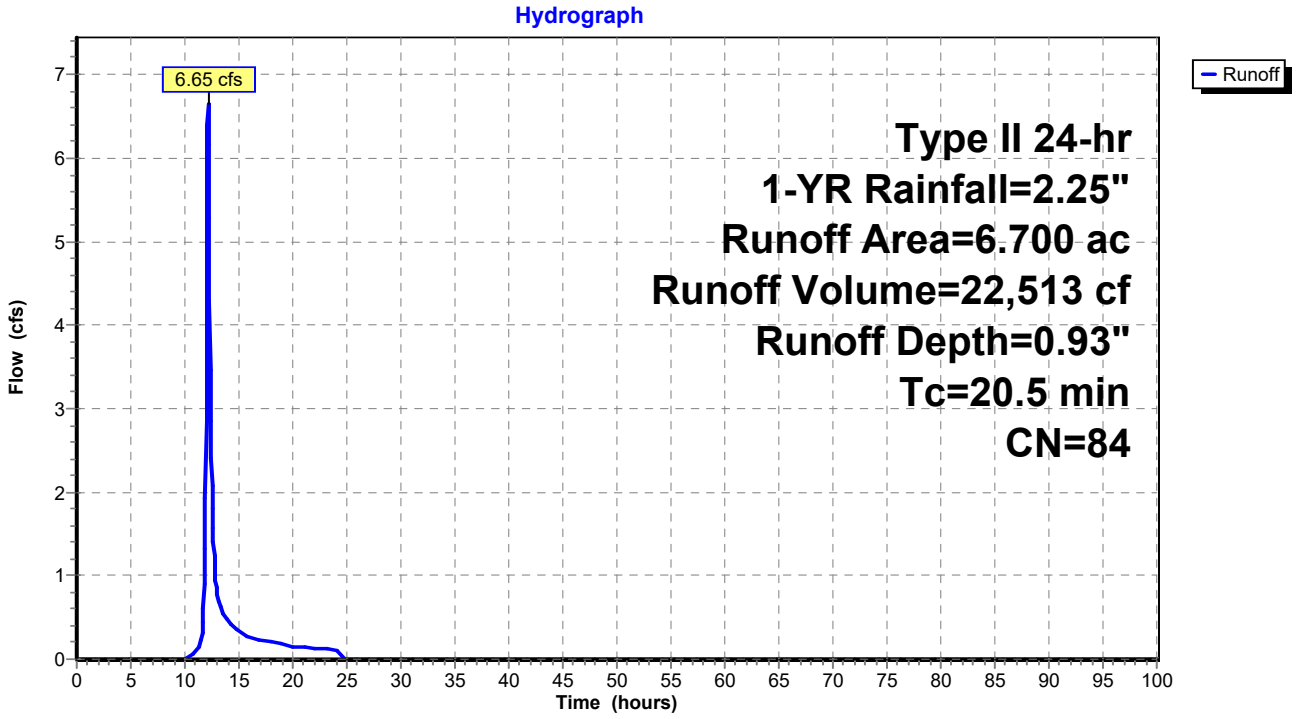
Runoff = 6.65 cfs @ 12.14 hrs, Volume= 22,513 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.25"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 44



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=0.97"
Tc=38.9 min CN=79 Runoff=59.14 cfs 312,240 cf

Subcatchment2S: POST - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=0.97"
Tc=38.7 min CN=79 Runoff=59.42 cfs 312,240 cf

Subcatchment3S: PRE - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=1.21"
Tc=27.2 min CN=83 Runoff=10.87 cfs 43,452 cf

Subcatchment4S: POST - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=1.21"
Tc=28.3 min CN=83 Runoff=10.58 cfs 43,452 cf

Subcatchment5S: PRE - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=1.03"
Tc=47.5 min CN=80 Runoff=29.16 cfs 175,692 cf

Subcatchment6S: POST - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=1.21"
Tc=47.4 min CN=83 Runoff=35.18 cfs 206,285 cf

Subcatchment7S: PRE - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=0.87"
Tc=22.2 min CN=77 Runoff=46.99 cfs 173,419 cf

Subcatchment8S: POST - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=0.92"
Tc=20.5 min CN=78 Runoff=52.83 cfs 183,765 cf

Subcatchment9S: PRE - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=1.03"
Tc=19.7 min CN=80 Runoff=55.04 cfs 183,916 cf

Subcatchment10S: POST - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=1.03"
Tc=20.2 min CN=80 Runoff=54.26 cfs 183,916 cf

Subcatchment11S: PRE - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=1.03"
Tc=50.0 min CN=80 Runoff=37.53 cfs 234,381 cf

Subcatchment12S: POST - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=1.03"
Tc=50.0 min CN=80 Runoff=37.53 cfs 234,381 cf

Subcatchment13S: PRE - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=1.15"
Tc=53.5 min CN=82 Runoff=39.37 cfs 253,607 cf

Subcatchment14S: POST - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=1.21"
Tc=67.6 min CN=83 Runoff=35.08 cfs 267,293 cf

Subcatchment15S: PRE - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=1.21"
Tc=18.6 min CN=83 Runoff=16.74 cfs 53,107 cf

Subcatchment16S: POST - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=1.27"
Tc=19.8 min CN=84 Runoff=17.03 cfs 55,925 cf

Subcatchment17S: PRE - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=1.15"
Tc=23.5 min CN=82 Runoff=24.21 cfs 88,700 cf

Subcatchment18S: POST - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=1.15"
Tc=25.5 min CN=82 Runoff=22.98 cfs 88,700 cf

Subcatchment19S: PRE - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=0.64"
Tc=38.6 min CN=72 Runoff=10.45 cfs 62,319 cf

Subcatchment20S: POST - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=0.68"
Tc=39.9 min CN=73 Runoff=11.17 cfs 66,554 cf

Subcatchment21S: PRE - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=1.27"
Tc=14.8 min CN=84 Runoff=4.60 cfs 12,941 cf

Subcatchment22S: POST - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=1.34"
Tc=15.7 min CN=85 Runoff=4.70 cfs 13,617 cf

Subcatchment23S: PRE - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=1.27"
Tc=32.5 min CN=84 Runoff=1.65 cfs 7,395 cf

Subcatchment24S: POST - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=1.27"
Tc=33.1 min CN=84 Runoff=1.63 cfs 7,395 cf

Subcatchment25S: PRE - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=0.55"
Tc=23.4 min CN=70 Runoff=20.98 cfs 92,934 cf

Subcatchment26S: POST - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=0.64"
Tc=23.4 min CN=72 Runoff=25.45 cfs 106,634 cf

Subcatchment27S: PRE - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=0.38"
Tc=29.4 min CN=65 Runoff=3.26 cfs 21,152 cf

Subcatchment28S: POST - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=0.48"
Tc=25.6 min CN=68 Runoff=5.31 cfs 26,924 cf

Subcatchment29S: PRE - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=1.27"
Tc=19.3 min CN=84 Runoff=9.59 cfs 30,967 cf

Subcatchment30S: POST - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=1.27"
Tc=20.5 min CN=84 Runoff=9.25 cfs 30,967 cf

Total Runoff Area = 44,100,144 sf Runoff Volume = 3,574,266 cf Average Runoff Depth = 0.97"
100.00% Pervious = 44,100,144 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 45

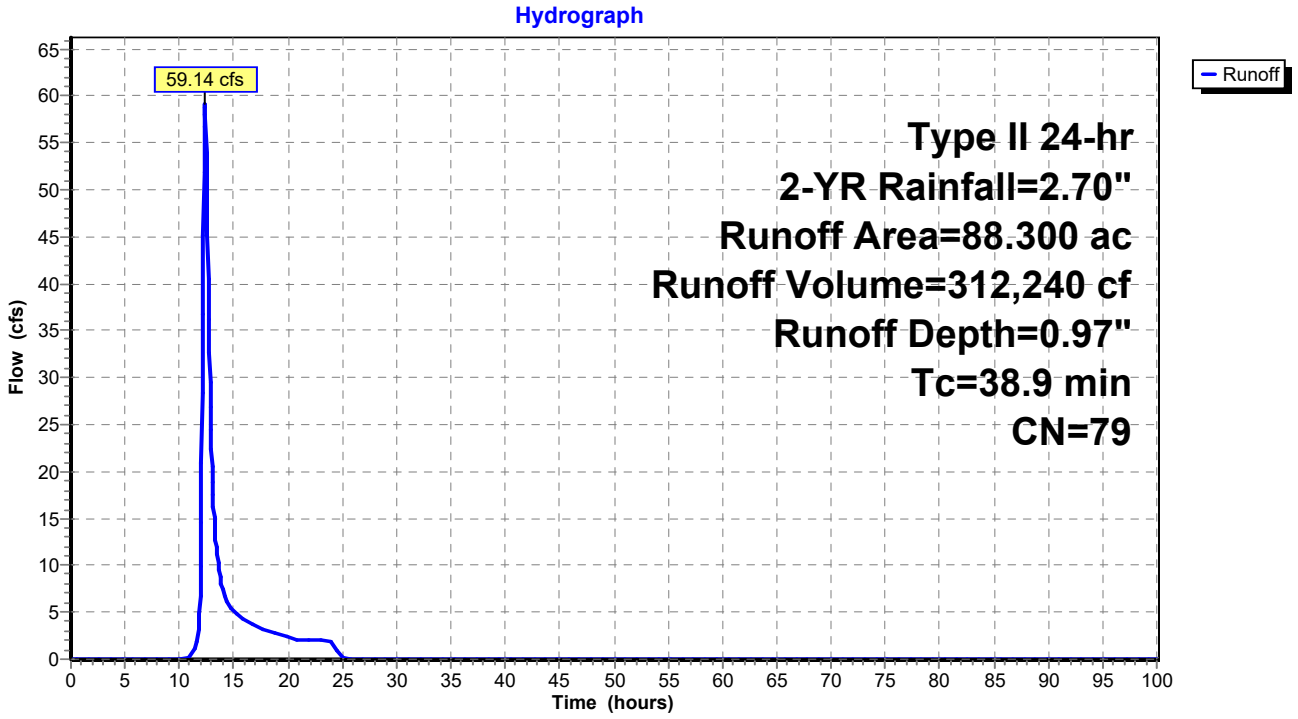
Runoff = 59.14 cfs @ 12.38 hrs, Volume= 312,240 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 45



Summary for Subcatchment 2S: POST - 45

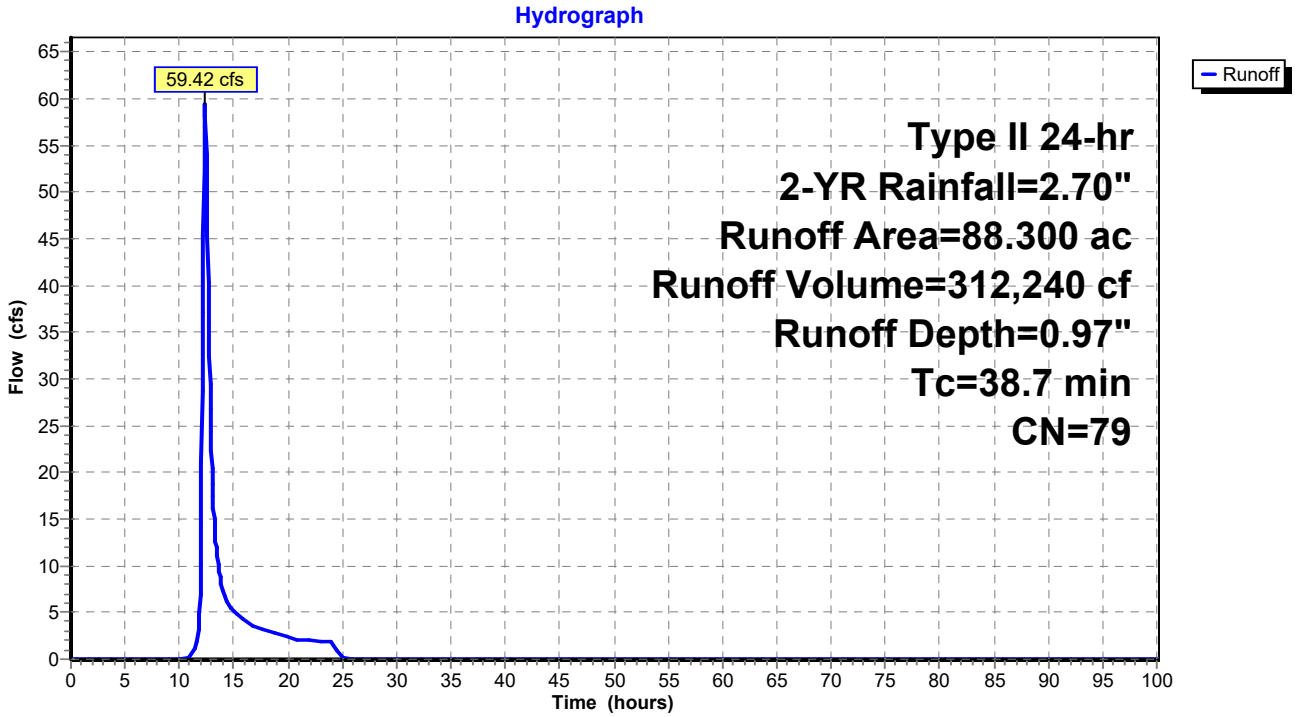
Runoff = 59.42 cfs @ 12.37 hrs, Volume= 312,240 cf, Depth= 0.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 45



Summary for Subcatchment 3S: PRE - 31

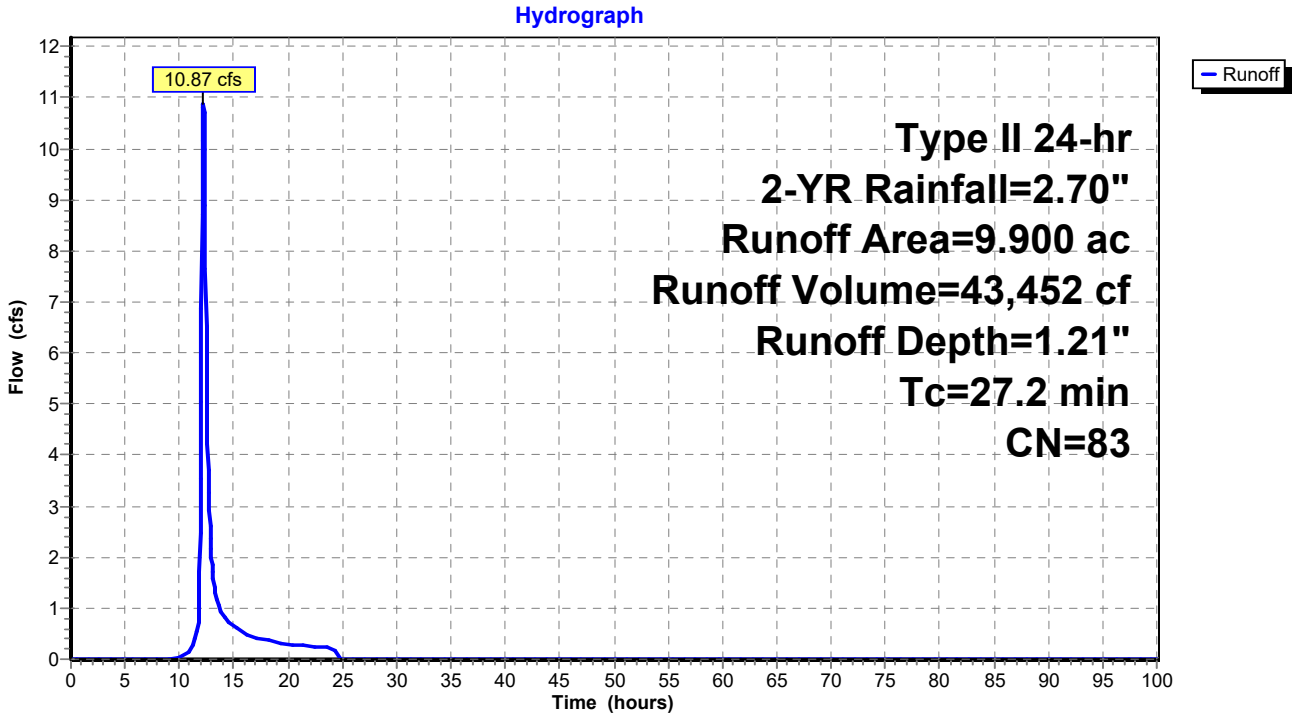
Runoff = 10.87 cfs @ 12.22 hrs, Volume= 43,452 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 3S: PRE - 31



Summary for Subcatchment 4S: POST - 31

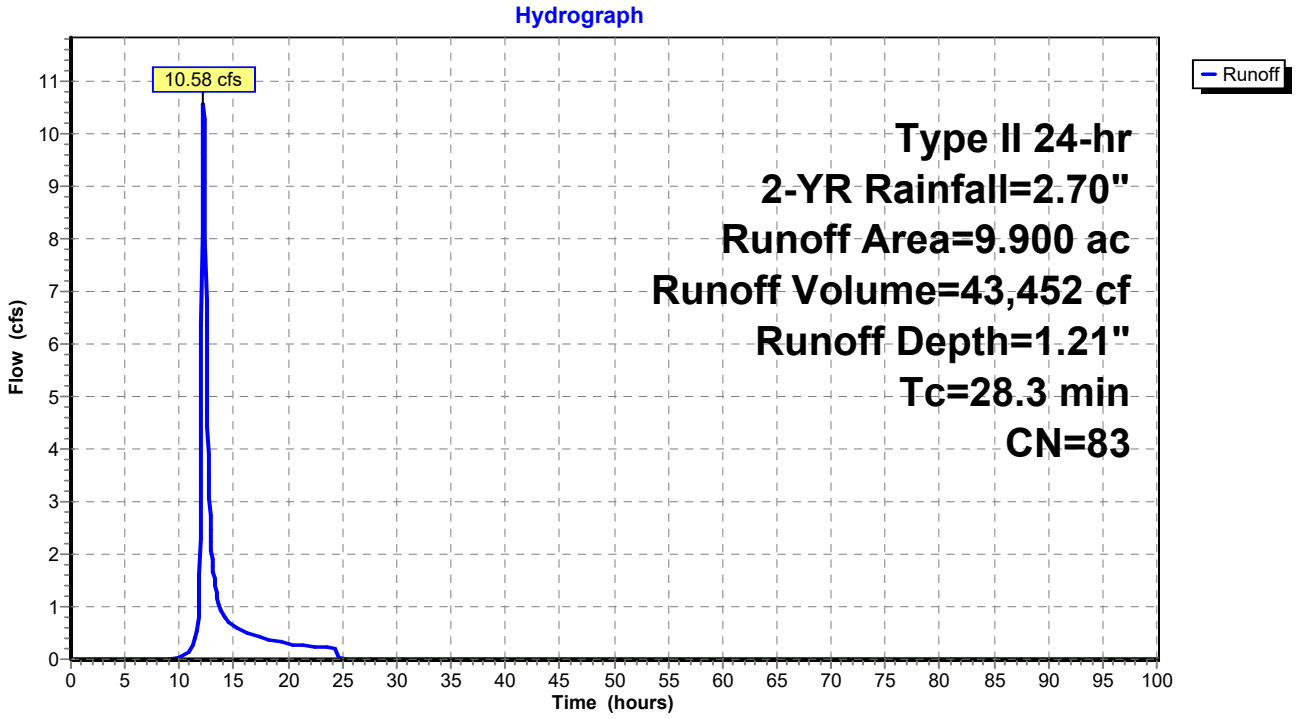
Runoff = 10.58 cfs @ 12.23 hrs, Volume= 43,452 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 4S: POST - 31



Summary for Subcatchment 5S: PRE - 32

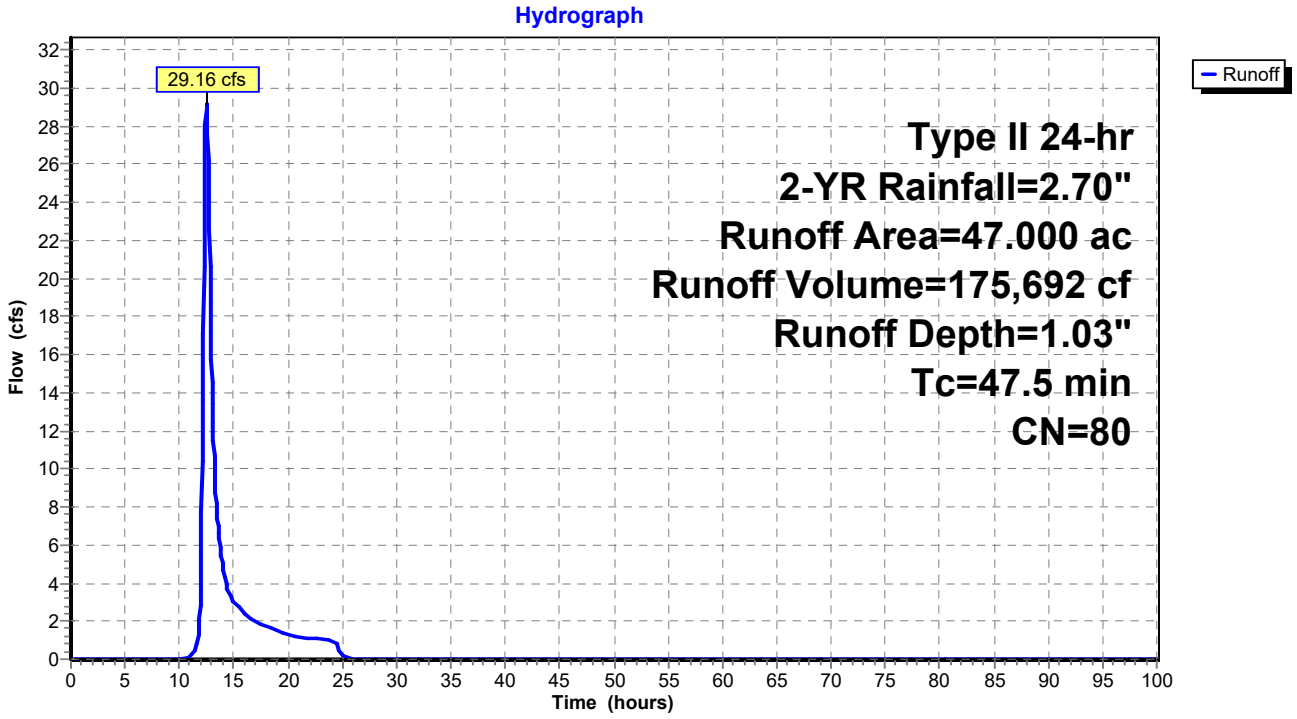
Runoff = 29.16 cfs @ 12.49 hrs, Volume= 175,692 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	47.000	80	
	47.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 32



Summary for Subcatchment 6S: POST - 32

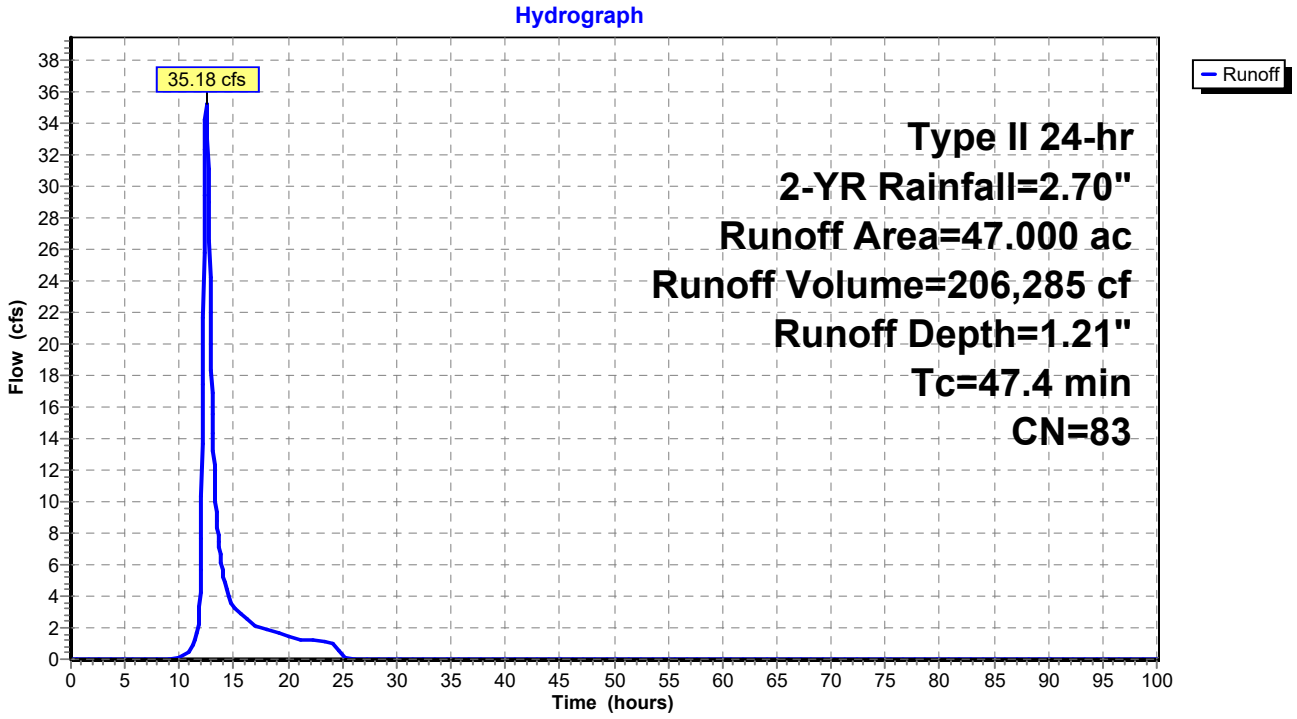
Runoff = 35.18 cfs @ 12.48 hrs, Volume= 206,285 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	47.000	83	
	47.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 32



Summary for Subcatchment 7S: PRE - 33

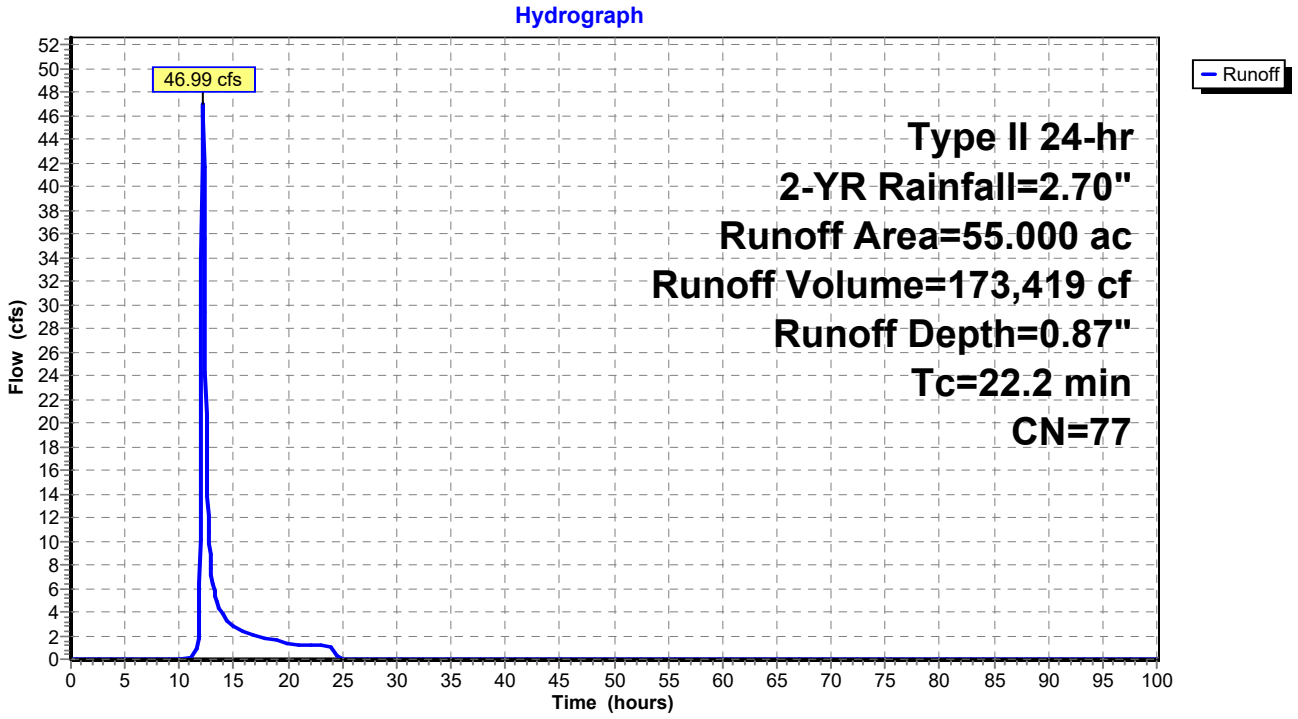
Runoff = 46.99 cfs @ 12.17 hrs, Volume= 173,419 cf, Depth= 0.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	55.000	77	
	55.000		100.00% Pervious Area

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

Subcatchment 7S: PRE - 33



Summary for Subcatchment 8S: POST - 33

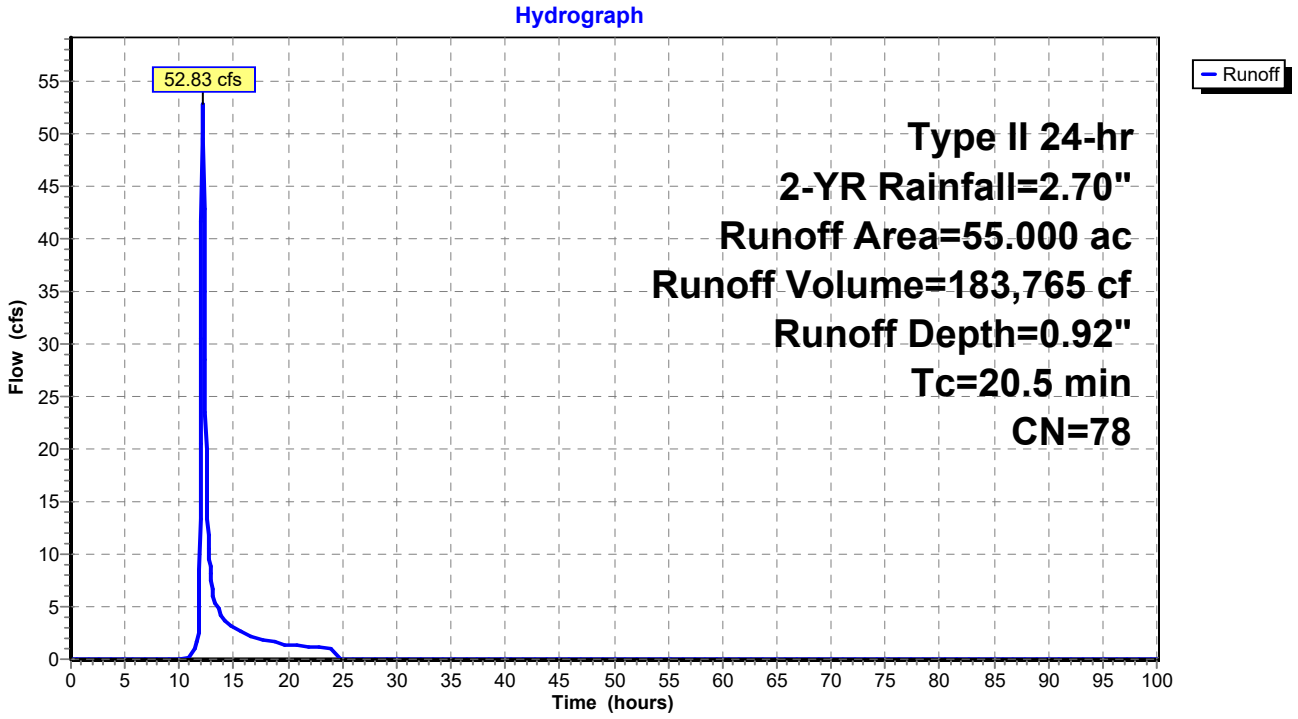
Runoff = 52.83 cfs @ 12.15 hrs, Volume= 183,765 cf, Depth= 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	55.000	78	
	55.000		100.00% Pervious Area

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

Subcatchment 8S: POST - 33



Summary for Subcatchment 9S: PRE - 34

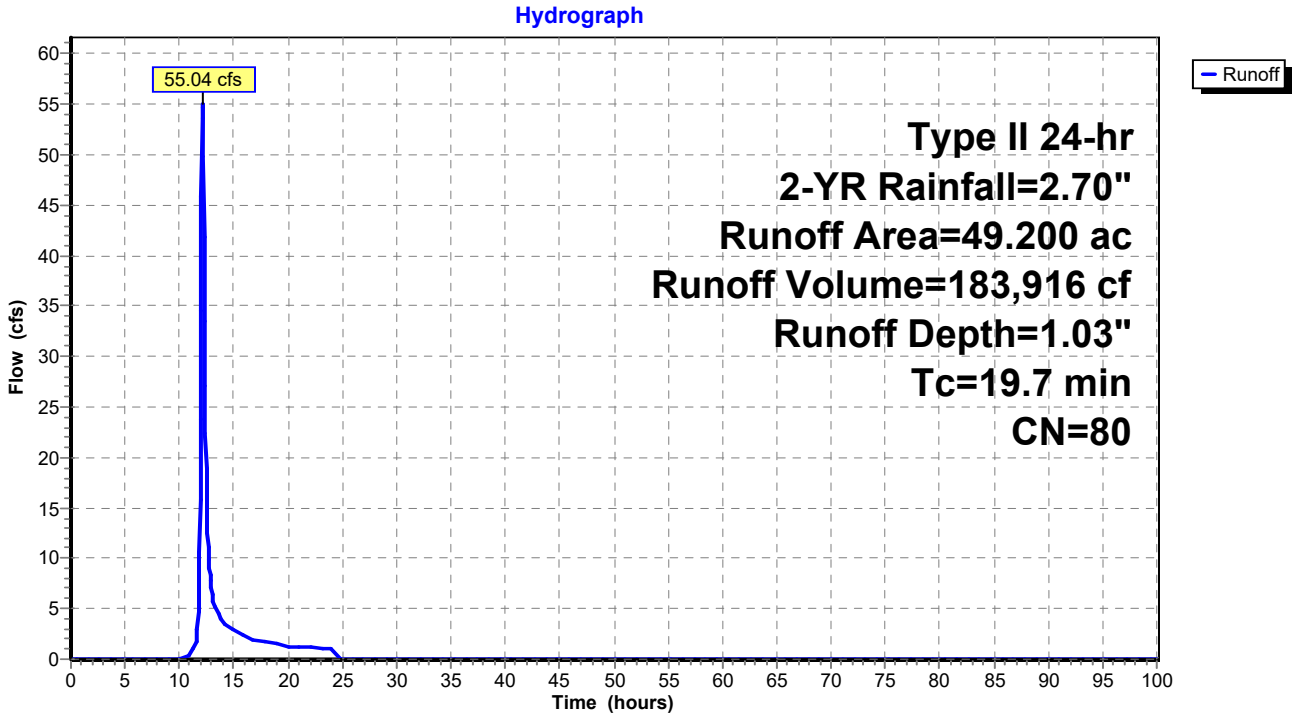
Runoff = 55.04 cfs @ 12.13 hrs, Volume= 183,916 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 9S: PRE - 34



Summary for Subcatchment 10S: POST - 34

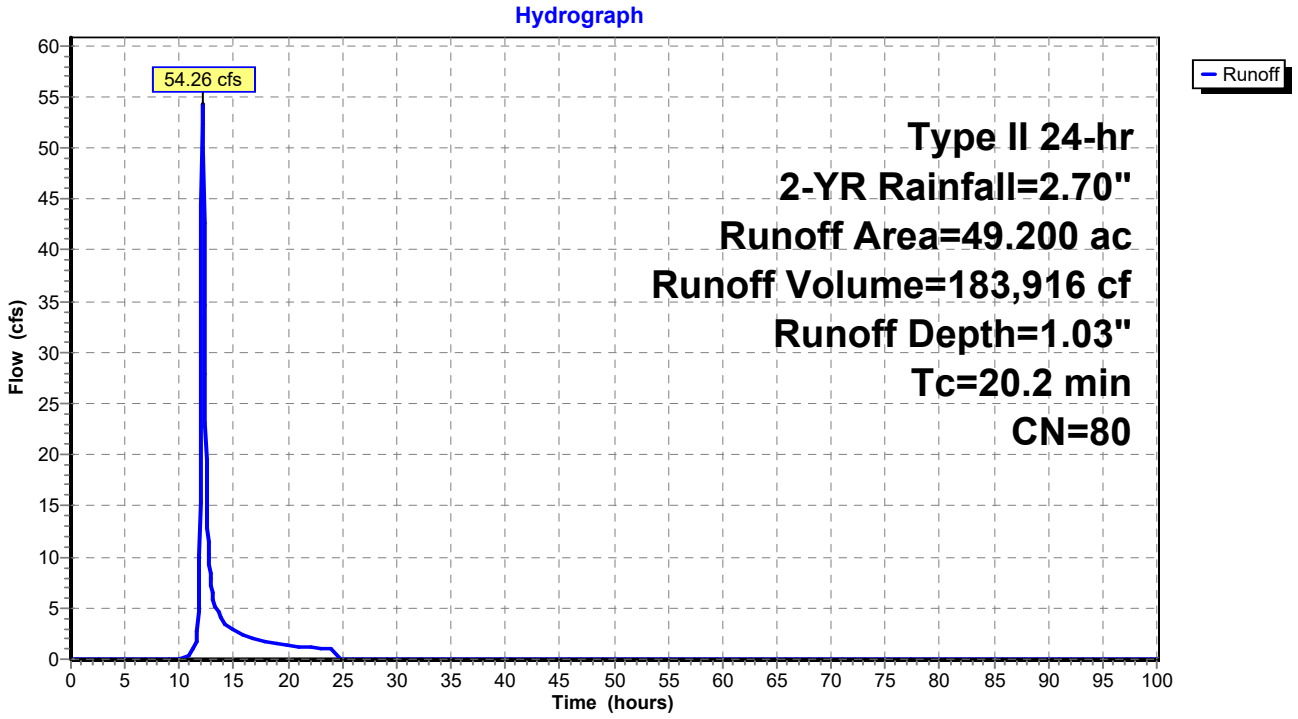
Runoff = 54.26 cfs @ 12.14 hrs, Volume= 183,916 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 10S: POST - 34



Summary for Subcatchment 11S: PRE - 35

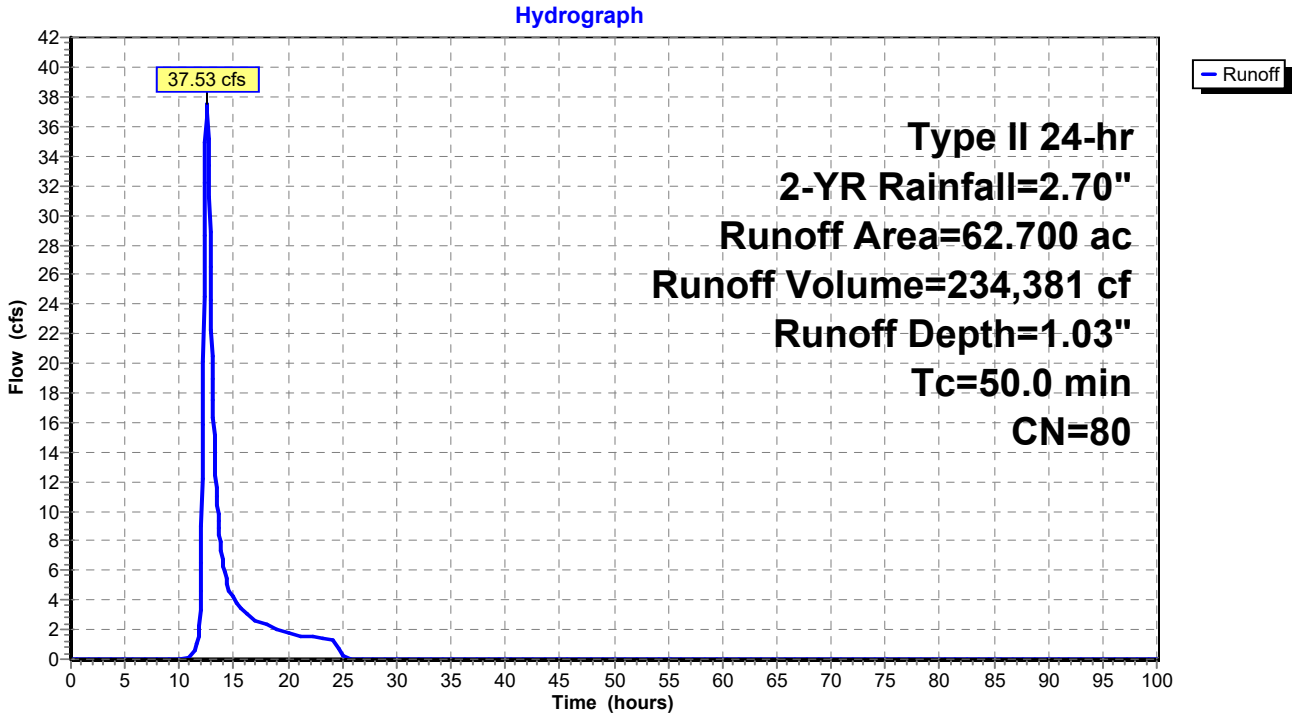
Runoff = 37.53 cfs @ 12.52 hrs, Volume= 234,381 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 11S: PRE - 35



Summary for Subcatchment 12S: POST - 35

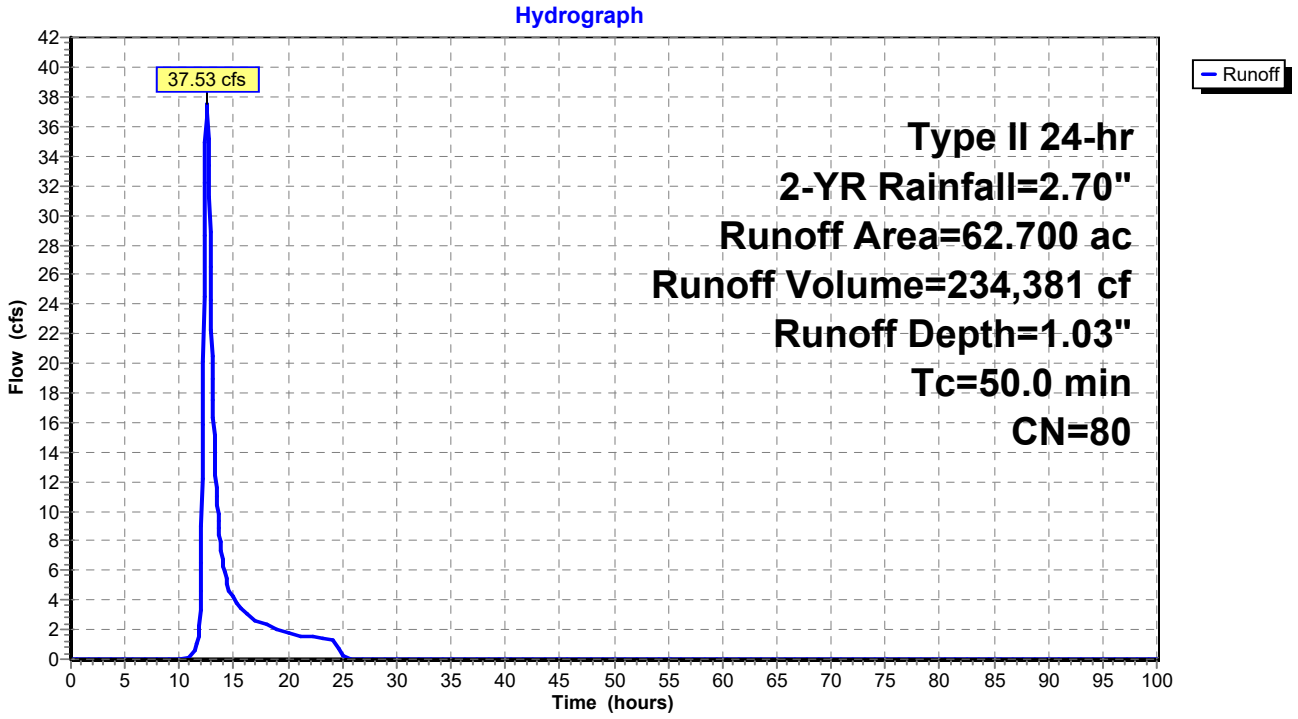
Runoff = 37.53 cfs @ 12.52 hrs, Volume= 234,381 cf, Depth= 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 12S: POST - 35



Summary for Subcatchment 13S: PRE - 36

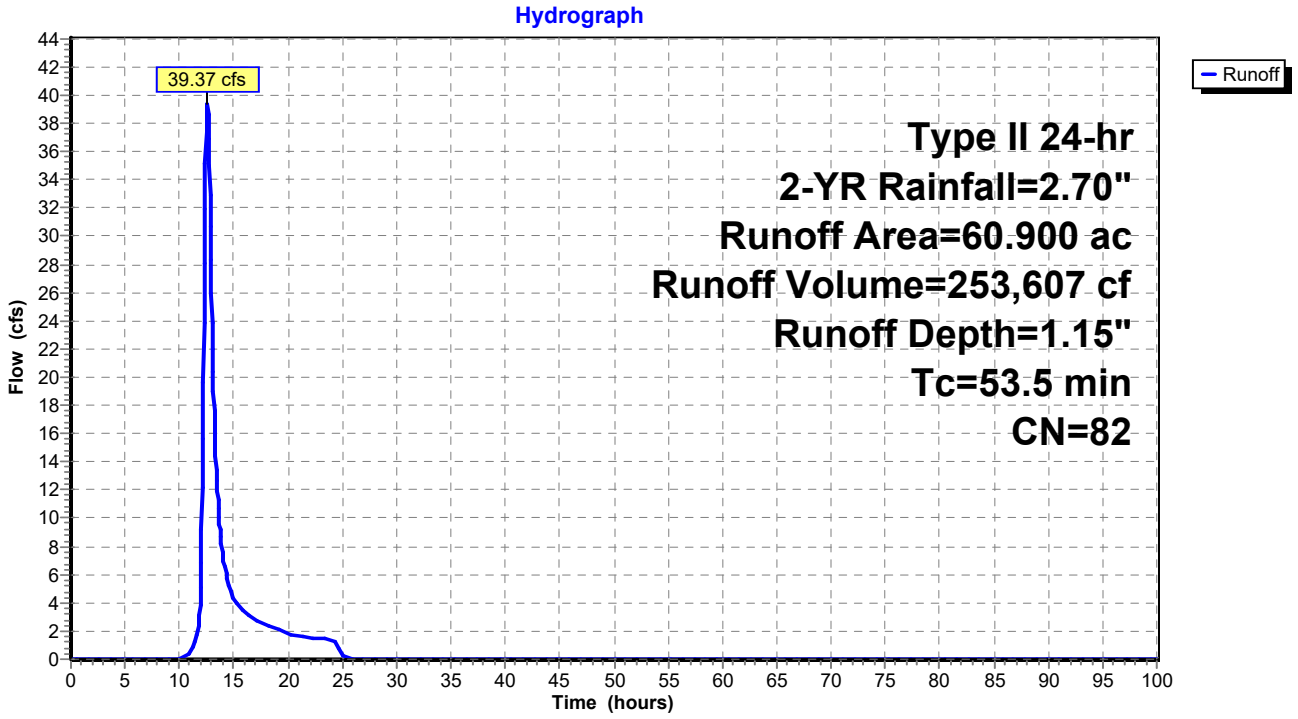
Runoff = 39.37 cfs @ 12.56 hrs, Volume= 253,607 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	60.900	82	
	60.900		100.00% Pervious Area

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

Subcatchment 13S: PRE - 36



Summary for Subcatchment 14S: POST - 36

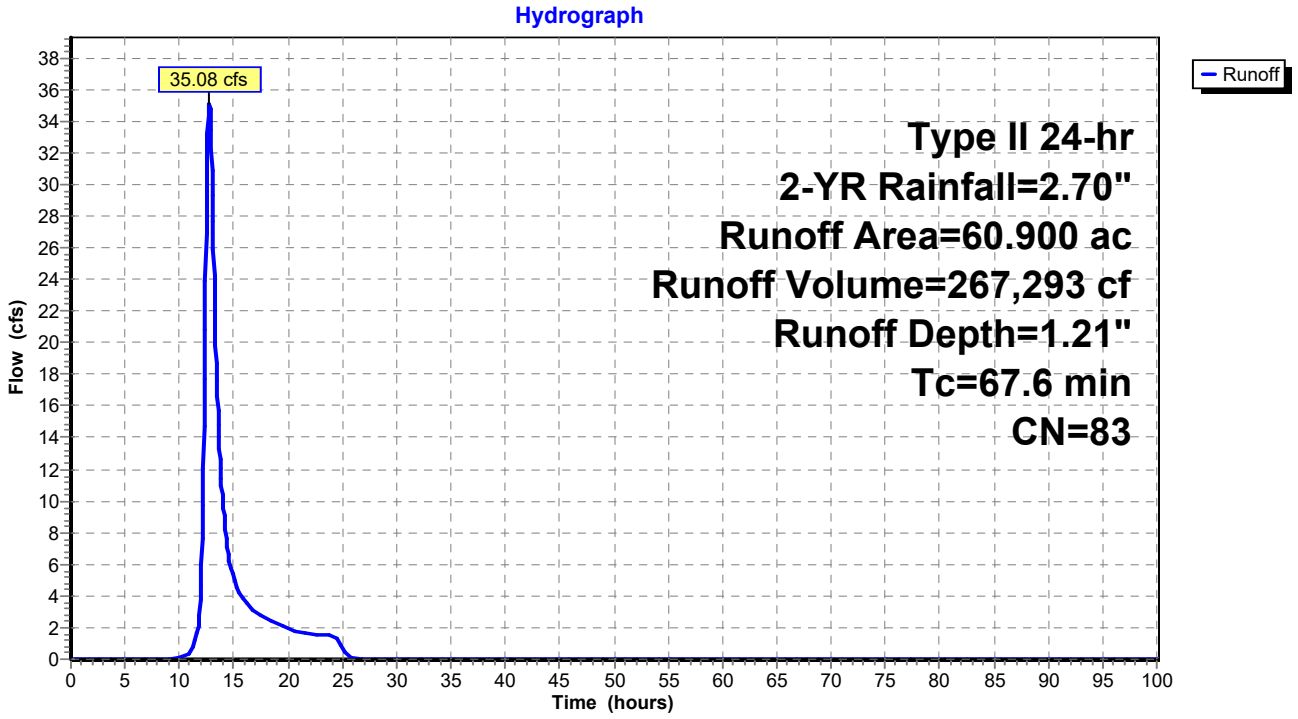
Runoff = 35.08 cfs @ 12.74 hrs, Volume= 267,293 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	60.900	83	
	60.900		100.00% Pervious Area

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

Subcatchment 14S: POST - 36



Summary for Subcatchment 15S: PRE - 37

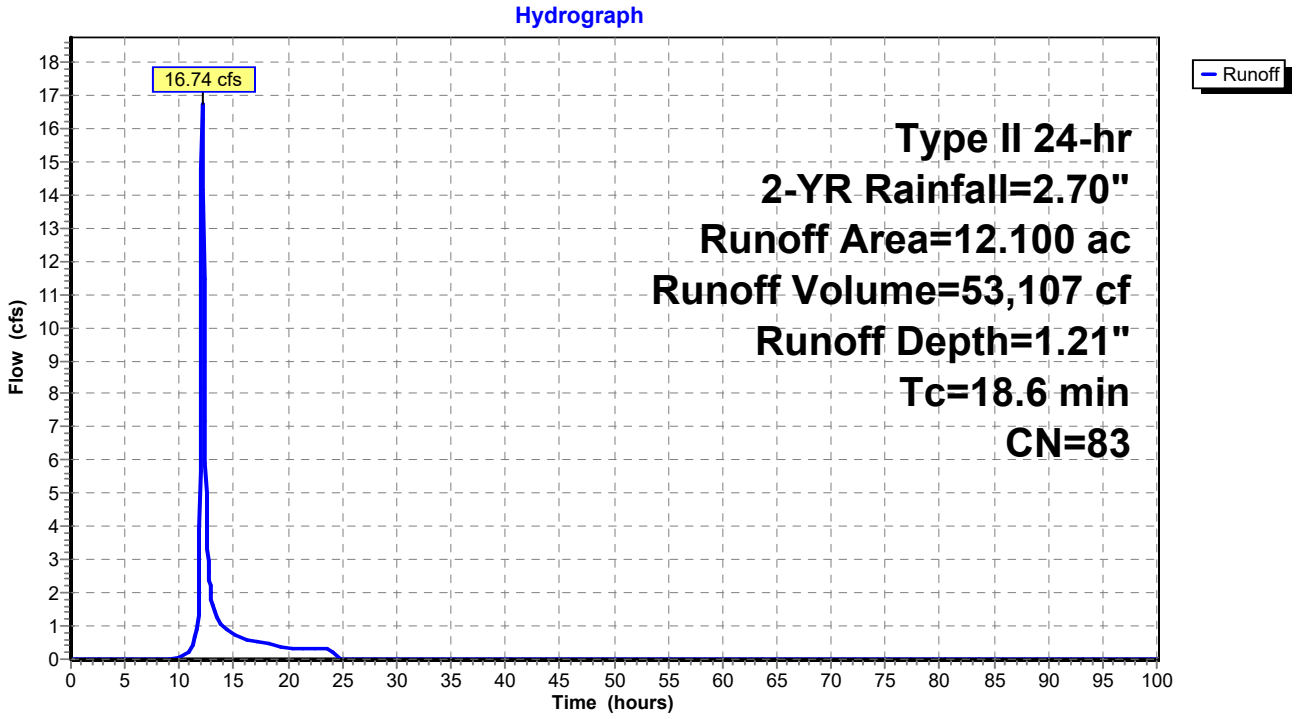
Runoff = 16.74 cfs @ 12.12 hrs, Volume= 53,107 cf, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	12.100	83	
	12.100		100.00% Pervious Area

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

Subcatchment 15S: PRE - 37



Summary for Subcatchment 16S: POST - 37

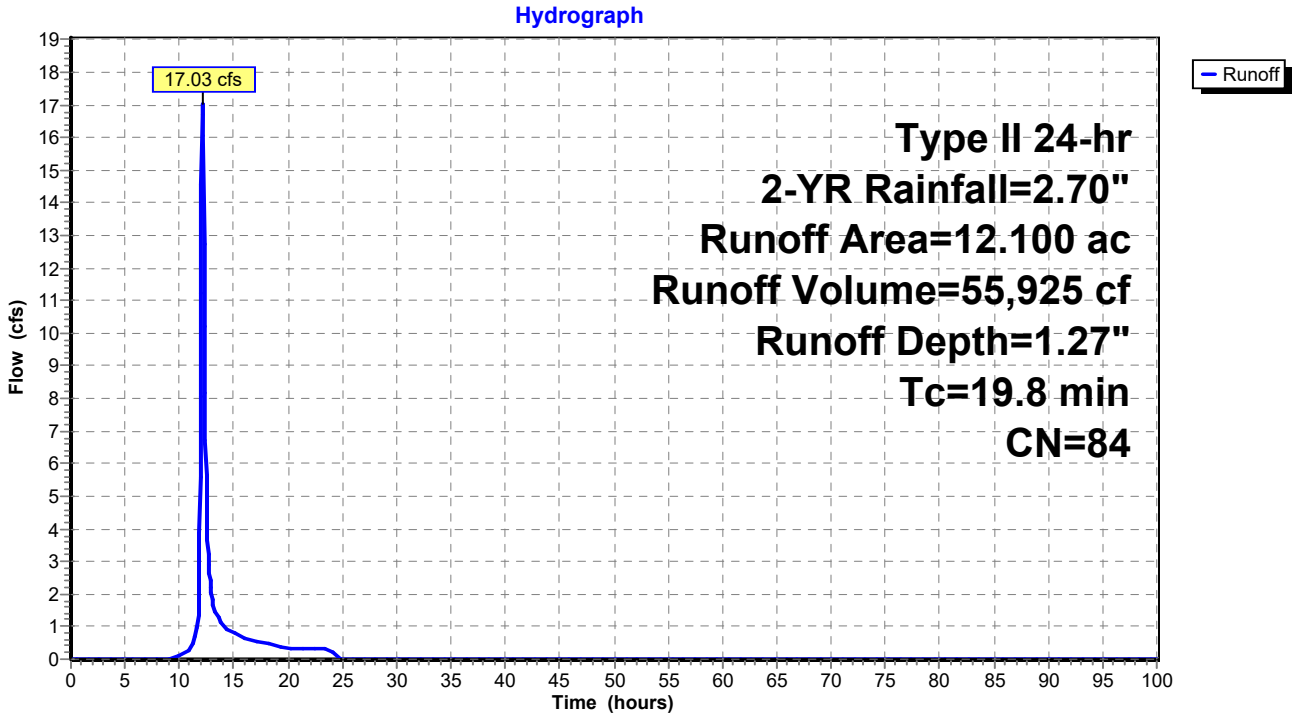
Runoff = 17.03 cfs @ 12.13 hrs, Volume= 55,925 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	12.100	84	
	12.100		100.00% Pervious Area

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

Subcatchment 16S: POST - 37



Summary for Subcatchment 17S: PRE - 38

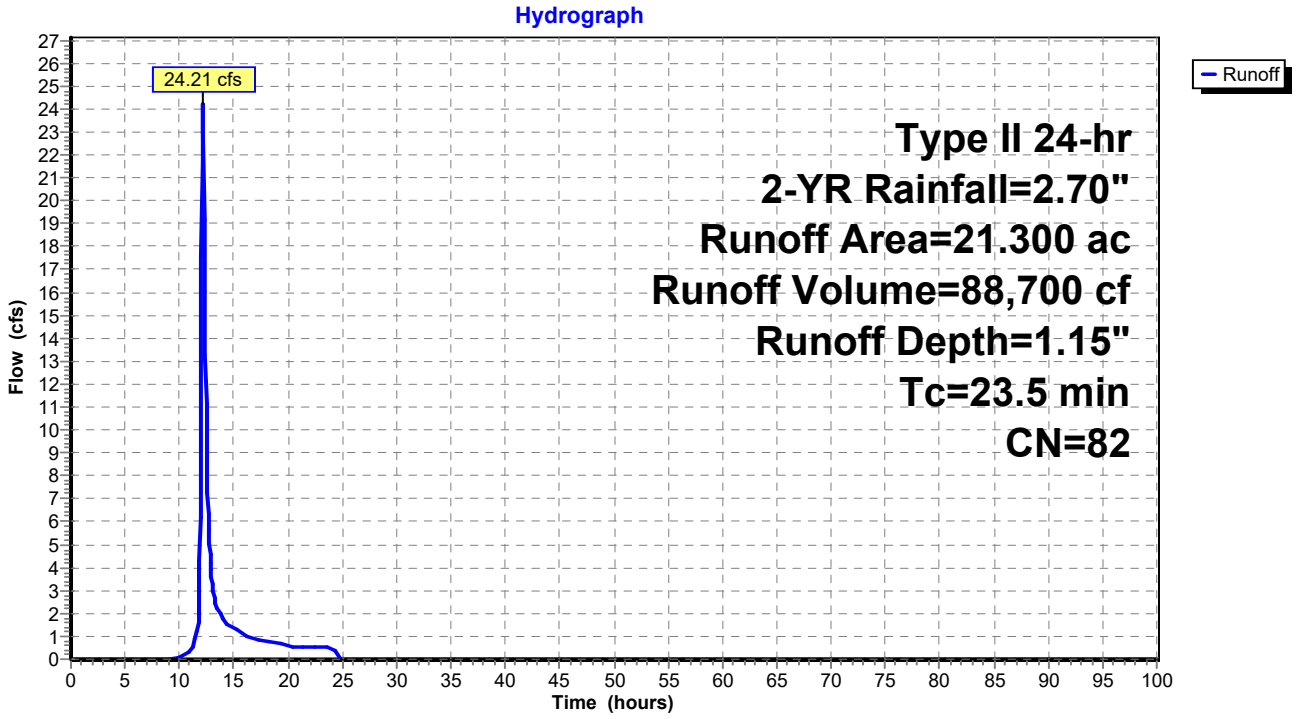
Runoff = 24.21 cfs @ 12.17 hrs, Volume= 88,700 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 38



Summary for Subcatchment 18S: POST - 38

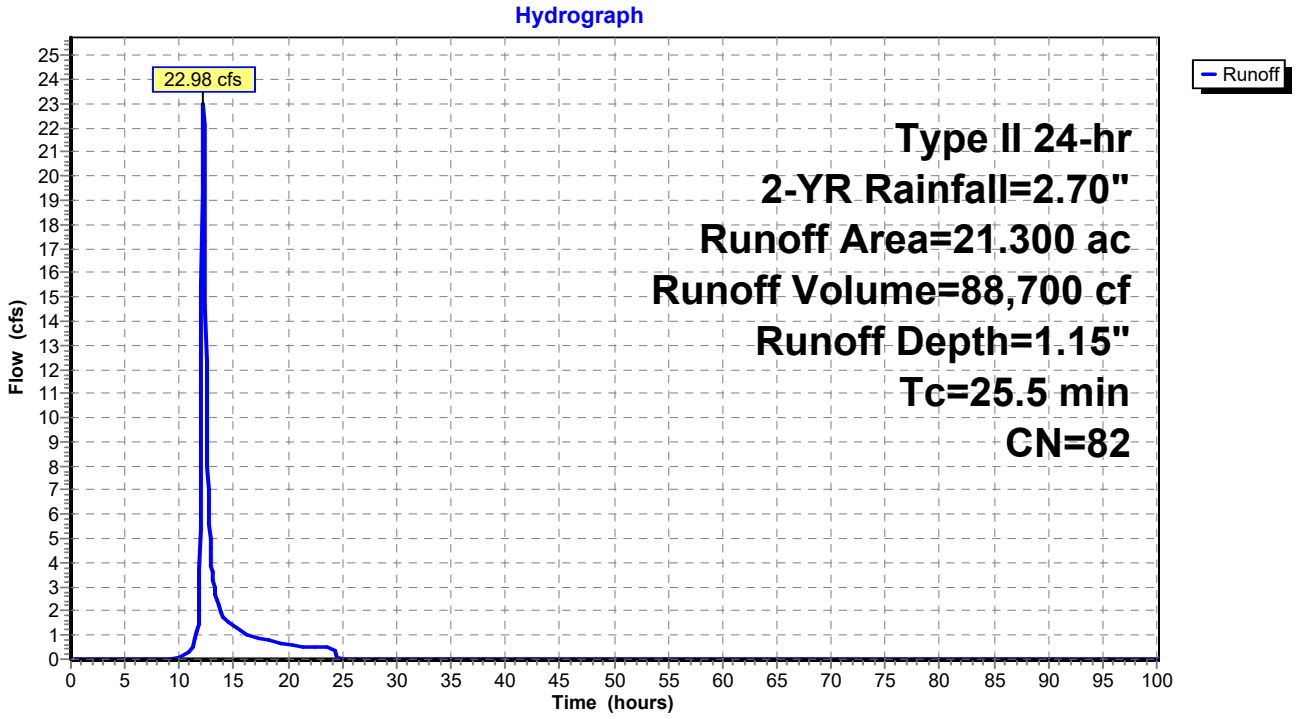
Runoff = 22.98 cfs @ 12.20 hrs, Volume= 88,700 cf, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 38



Summary for Subcatchment 19S: PRE - 39

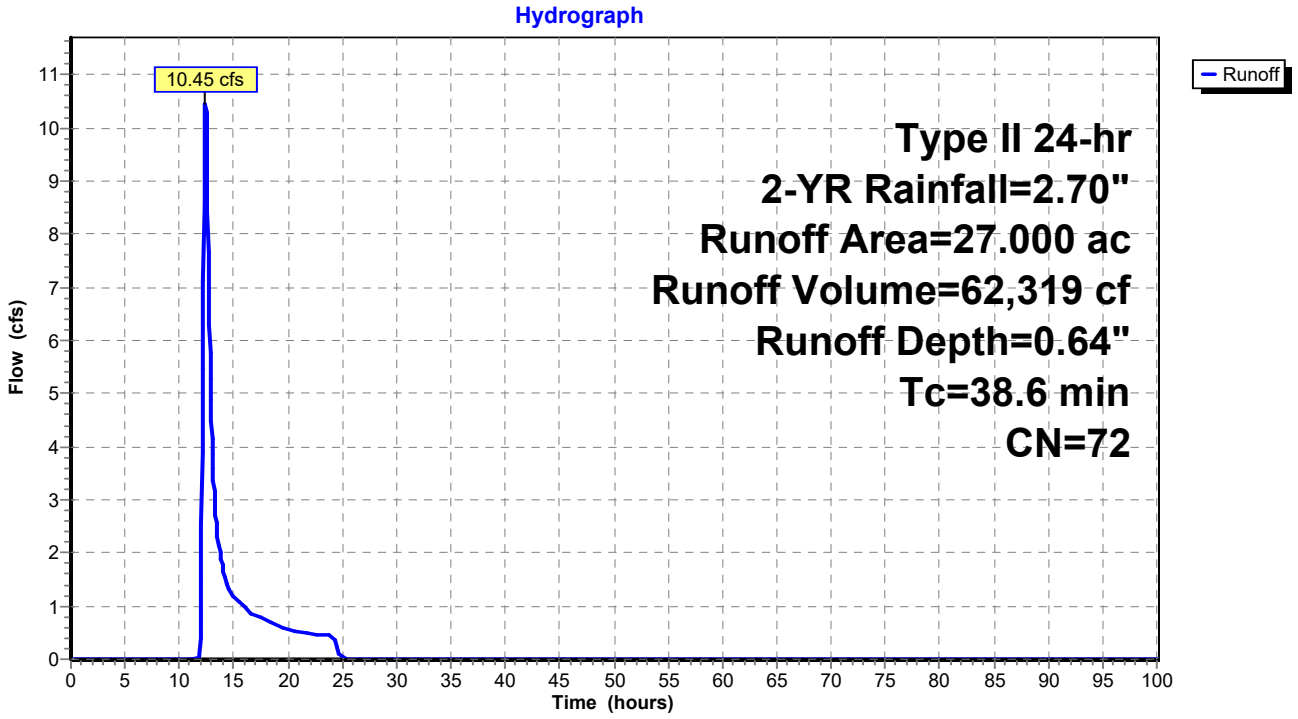
Runoff = 10.45 cfs @ 12.40 hrs, Volume= 62,319 cf, Depth= 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	27.000	72	
	27.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 39



Summary for Subcatchment 20S: POST - 39

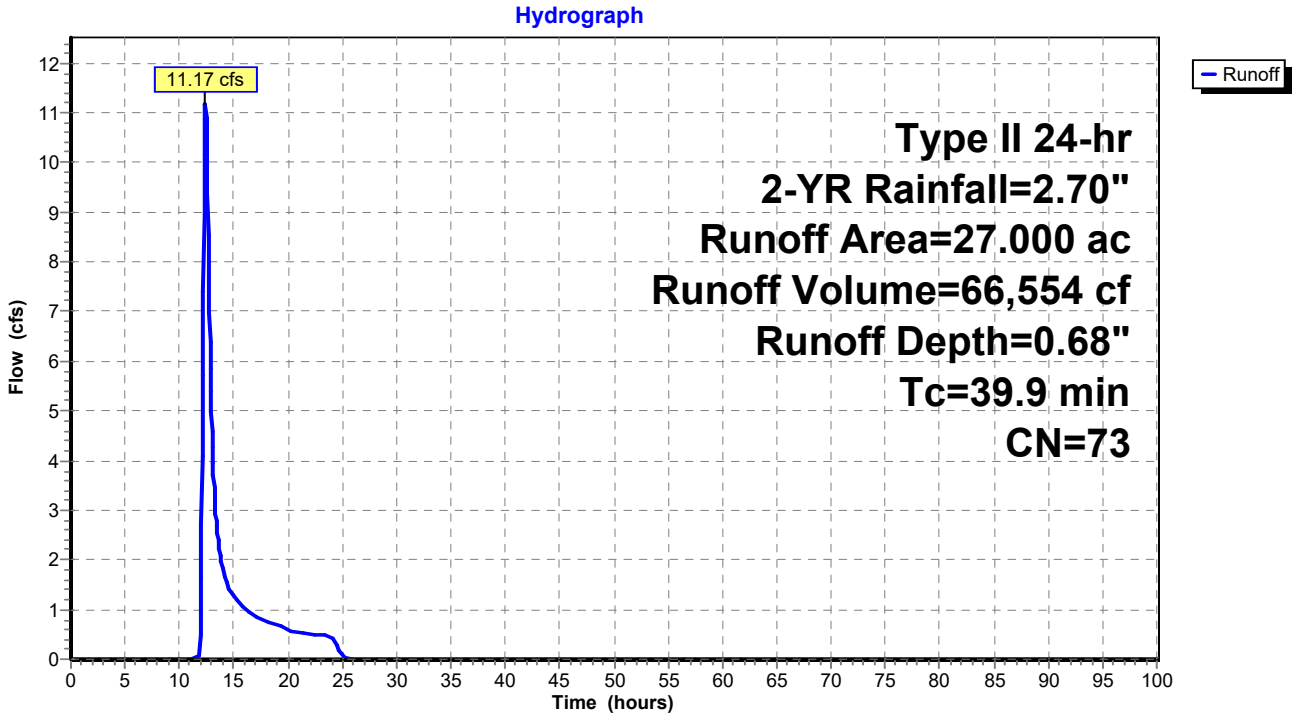
Runoff = 11.17 cfs @ 12.42 hrs, Volume= 66,554 cf, Depth= 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	27.000	73	
	27.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 39



Summary for Subcatchment 21S: PRE - 40

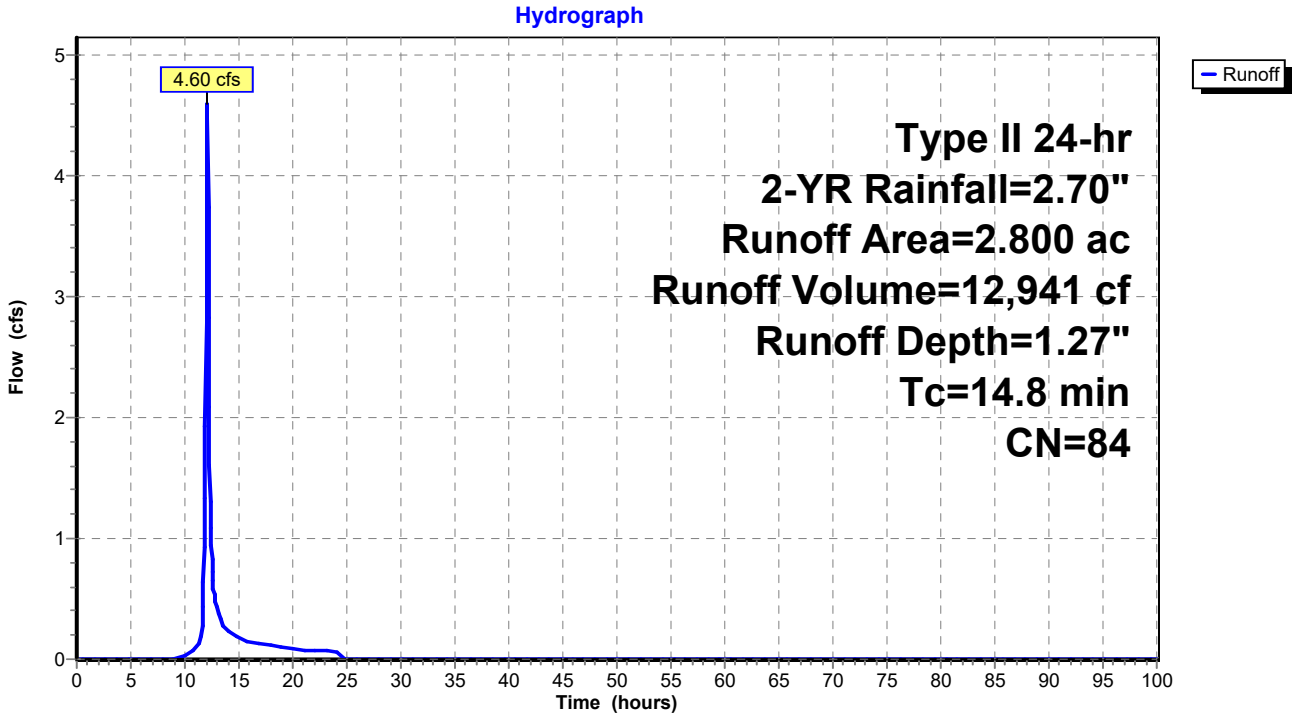
Runoff = 4.60 cfs @ 12.07 hrs, Volume= 12,941 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	2.800	84	
	2.800		100.00% Pervious Area

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

Subcatchment 21S: PRE - 40



Summary for Subcatchment 22S: POST - 40

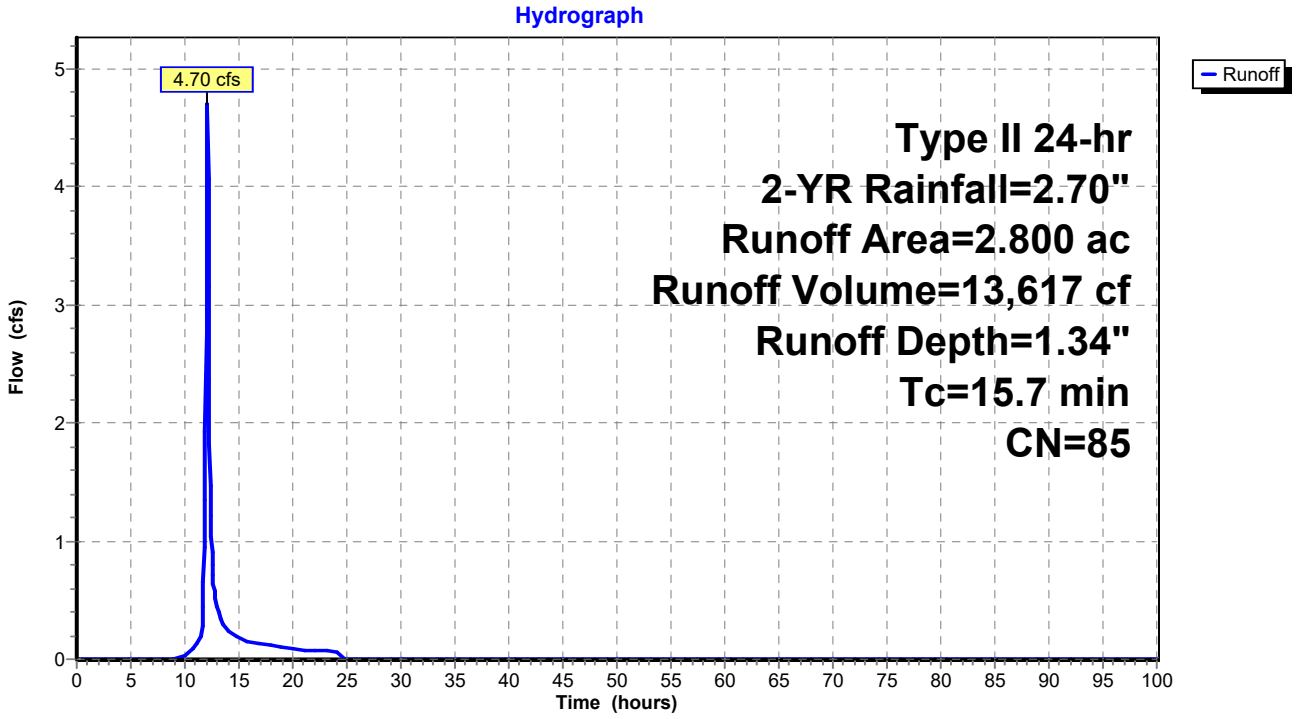
Runoff = 4.70 cfs @ 12.08 hrs, Volume= 13,617 cf, Depth= 1.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	2.800	85	
	2.800		100.00% Pervious Area

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

Subcatchment 22S: POST - 40



Summary for Subcatchment 23S: PRE - 41

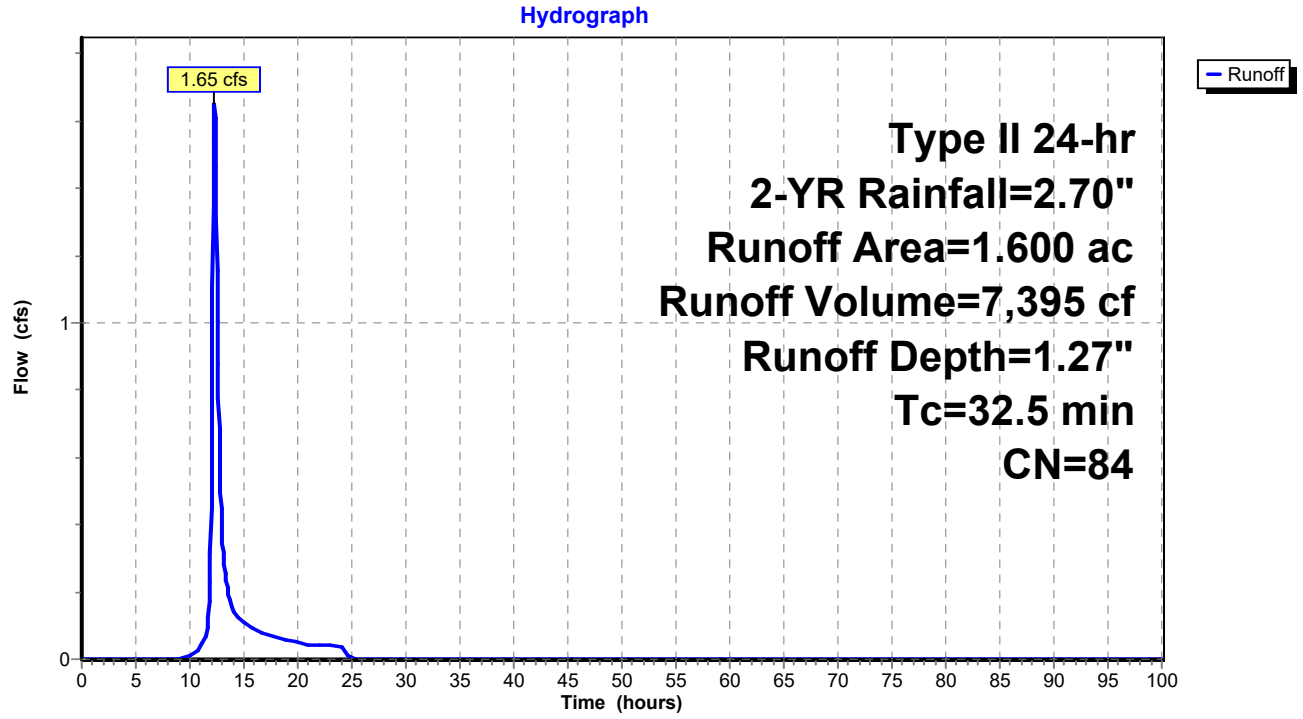
Runoff = 1.65 cfs @ 12.28 hrs, Volume= 7,395 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 23S: PRE - 41



Summary for Subcatchment 24S: POST - 41

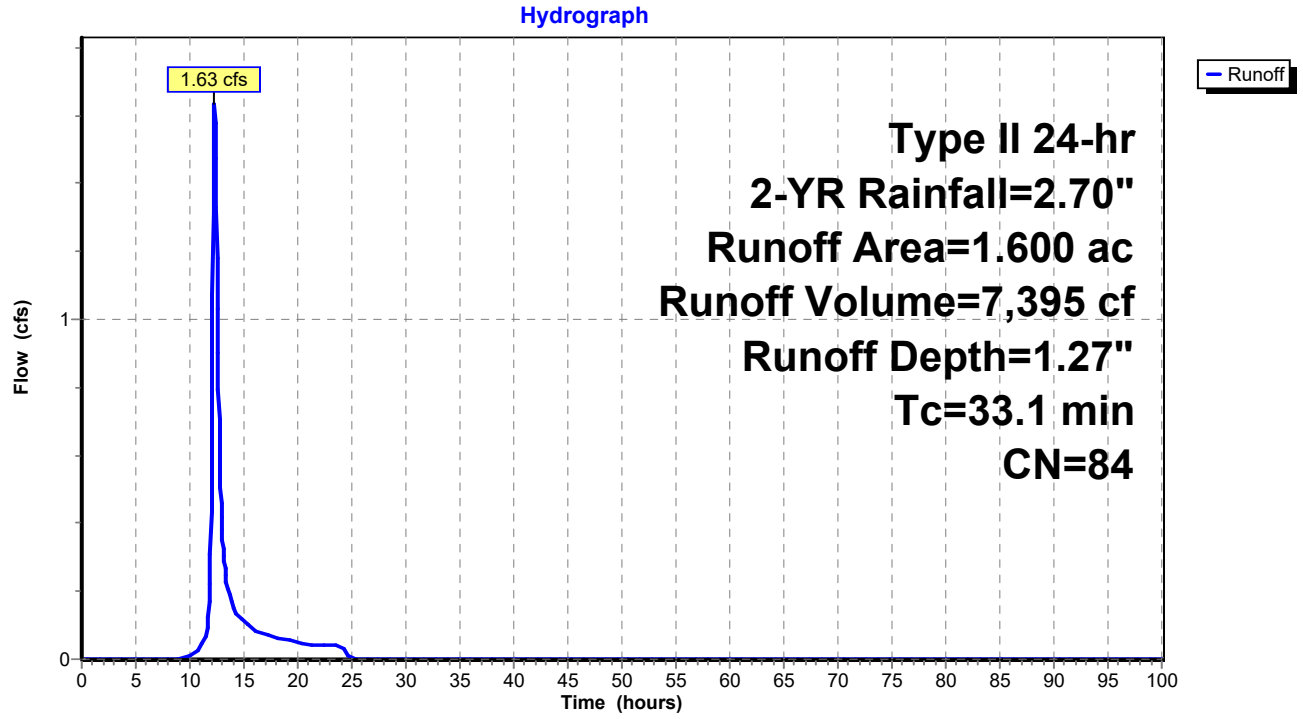
Runoff = 1.63 cfs @ 12.29 hrs, Volume= 7,395 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 24S: POST - 41



Summary for Subcatchment 25S: PRE - 42

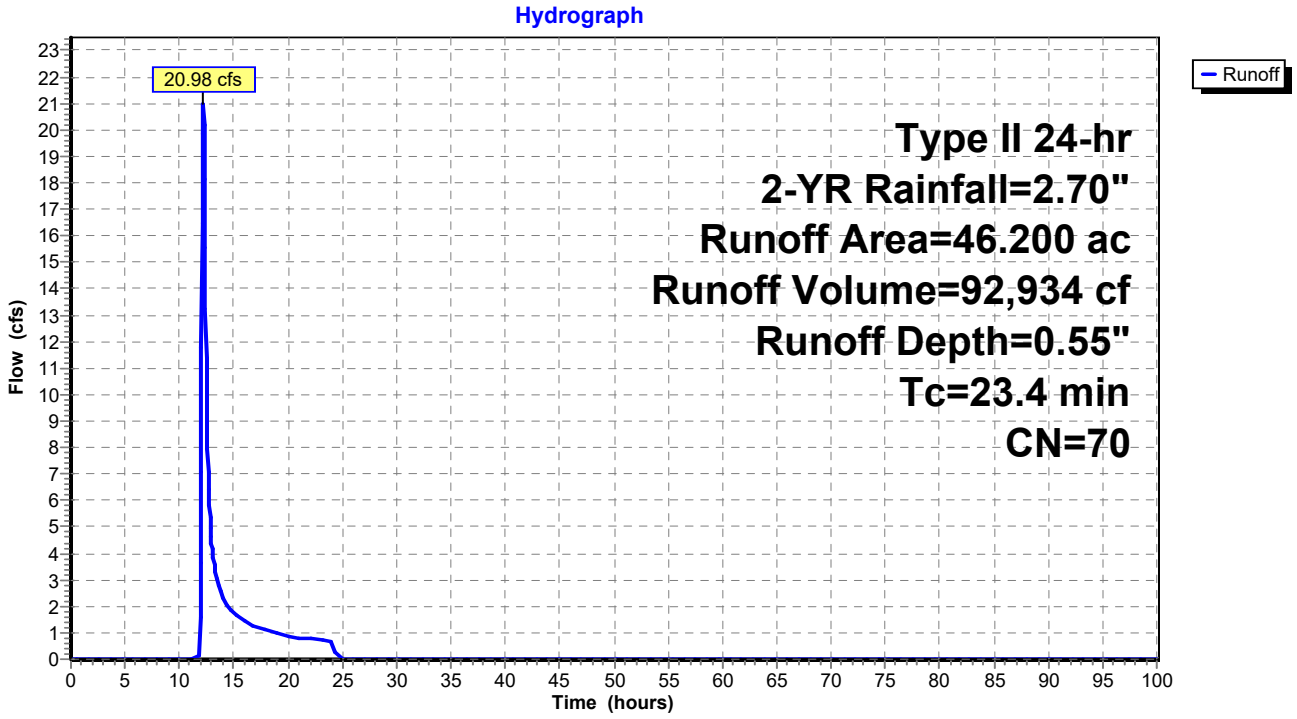
Runoff = 20.98 cfs @ 12.20 hrs, Volume= 92,934 cf, Depth= 0.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	46.200	70	
	46.200		100.00% Pervious Area

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

Subcatchment 25S: PRE - 42



Summary for Subcatchment 26S: POST - 42

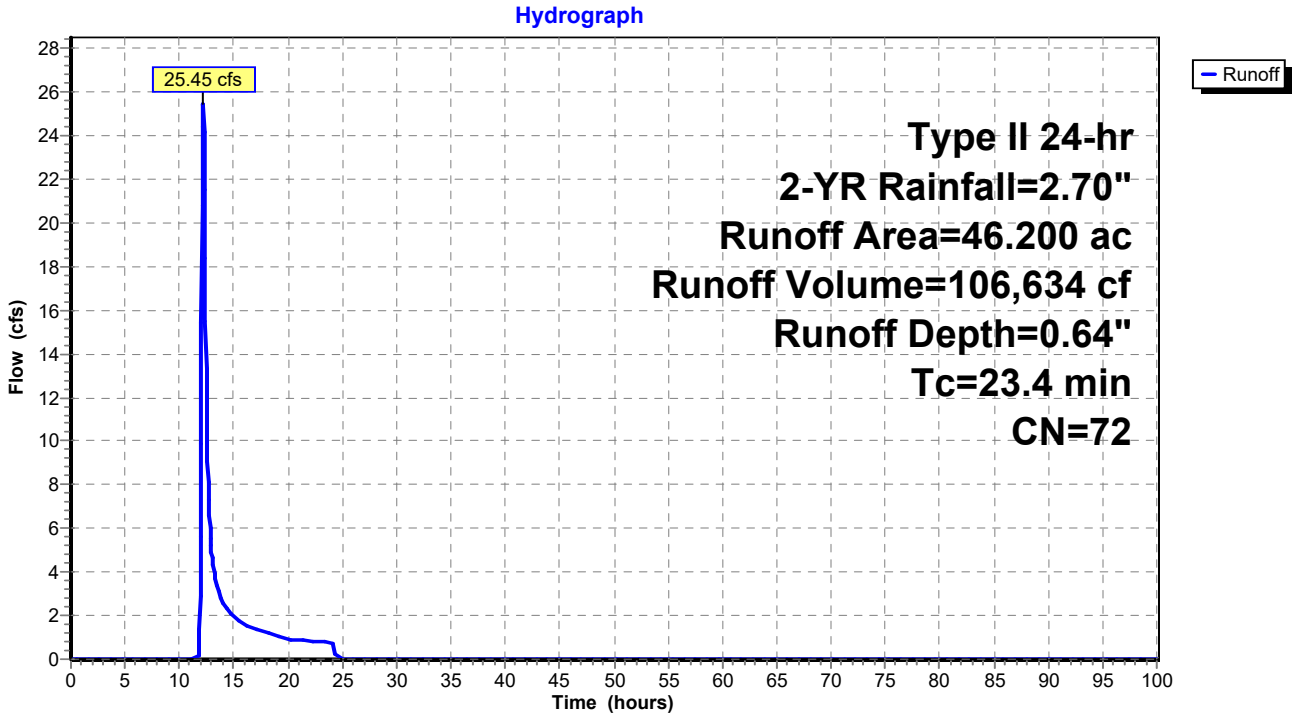
Runoff = 25.45 cfs @ 12.20 hrs, Volume= 106,634 cf, Depth= 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	46.200	72	
	46.200		100.00% Pervious Area

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

Subcatchment 26S: POST - 42



Summary for Subcatchment 27S: PRE - 43

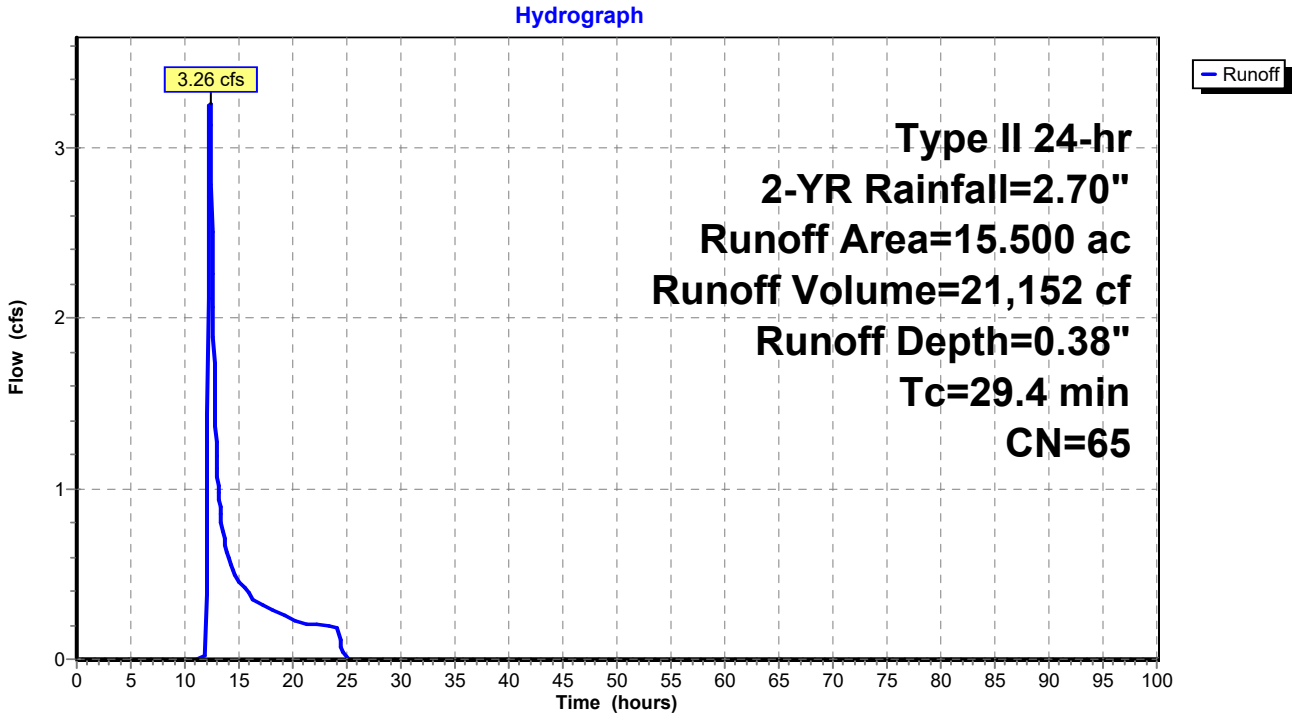
Runoff = 3.26 cfs @ 12.32 hrs, Volume= 21,152 cf, Depth= 0.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	15.500	65	
	15.500		100.00% Pervious Area

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

Subcatchment 27S: PRE - 43



Summary for Subcatchment 28S: POST - 43

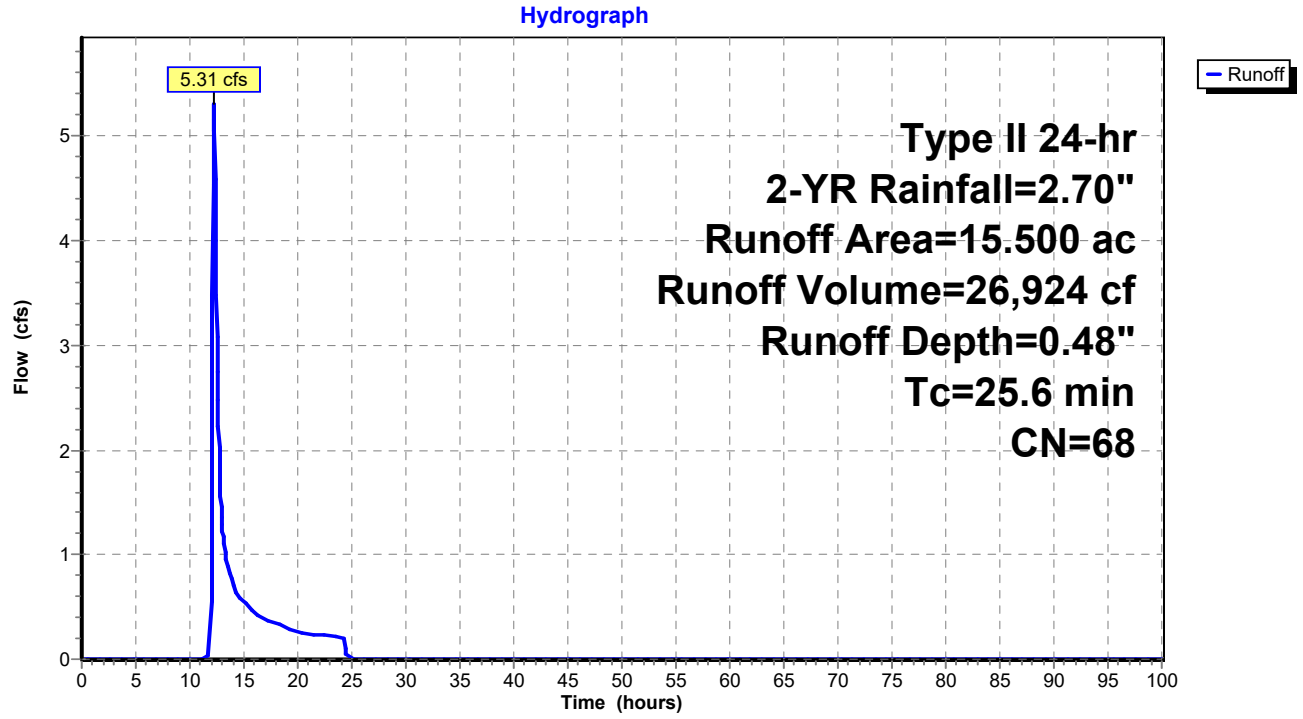
Runoff = 5.31 cfs @ 12.24 hrs, Volume= 26,924 cf, Depth= 0.48"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	15.500	68	
	15.500		100.00% Pervious Area

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

Subcatchment 28S: POST - 43



Summary for Subcatchment 29S: PRE - 44

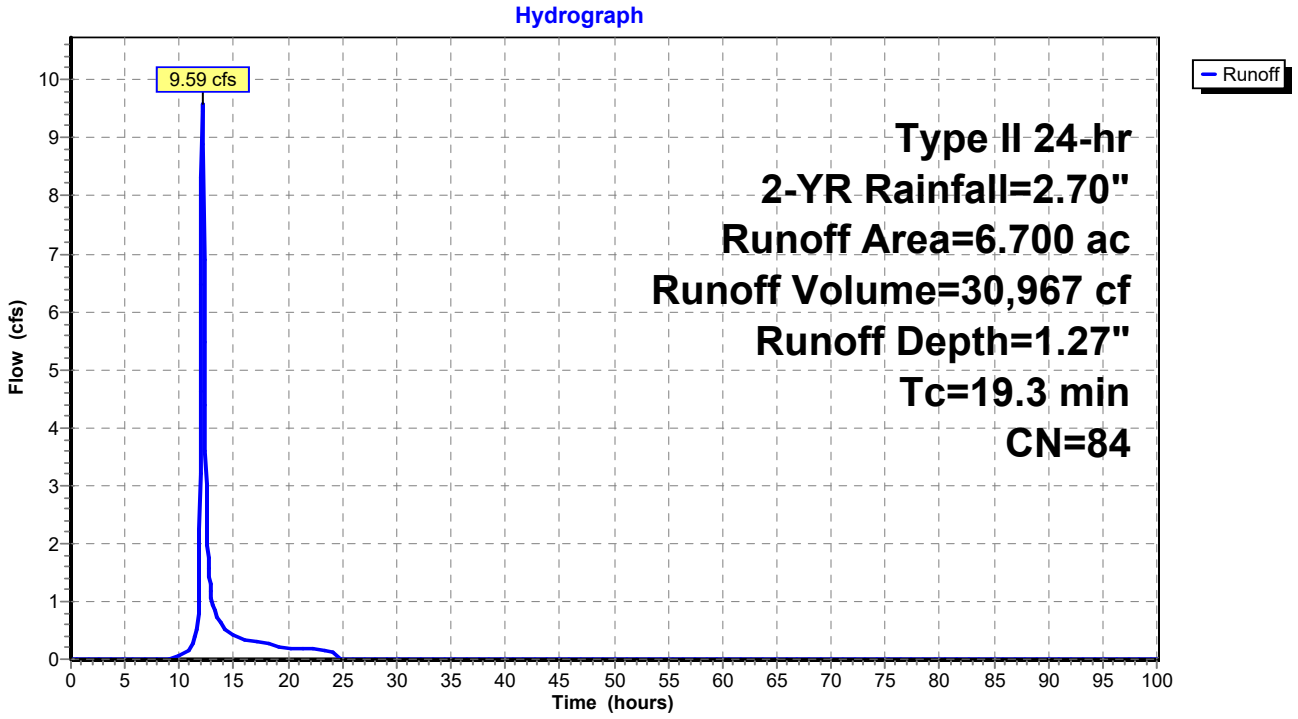
Runoff = 9.59 cfs @ 12.12 hrs, Volume= 30,967 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 44



Summary for Subcatchment 30S: POST - 44

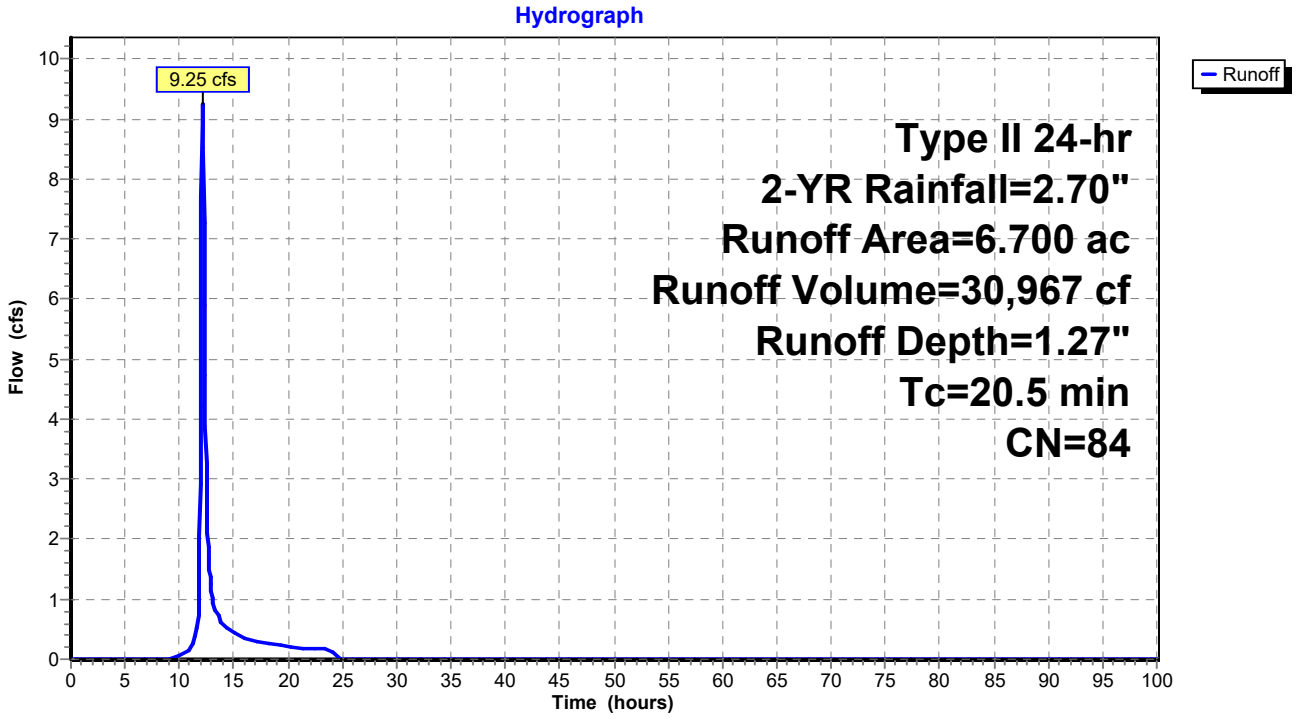
Runoff = 9.25 cfs @ 12.14 hrs, Volume= 30,967 cf, Depth= 1.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=2.70"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 44



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=2.00"
Tc=38.9 min CN=79 Runoff=127.38 cfs 642,389 cf

Subcatchment2S: POST - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=2.00"
Tc=38.7 min CN=79 Runoff=128.03 cfs 642,389 cf

Subcatchment3S: PRE - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=2.33"
Tc=27.2 min CN=83 Runoff=21.27 cfs 83,720 cf

Subcatchment4S: POST - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=2.33"
Tc=28.3 min CN=83 Runoff=20.72 cfs 83,720 cf

Subcatchment5S: PRE - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=2.08"
Tc=47.5 min CN=80 Runoff=61.36 cfs 355,390 cf

Subcatchment6S: POST - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=2.33"
Tc=47.4 min CN=83 Runoff=69.27 cfs 397,458 cf

Subcatchment7S: PRE - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=1.85"
Tc=22.2 min CN=77 Runoff=105.32 cfs 369,574 cf

Subcatchment8S: POST - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=1.93"
Tc=20.5 min CN=78 Runoff=115.01 cfs 384,695 cf

Subcatchment9S: PRE - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=2.08"
Tc=19.7 min CN=80 Runoff=114.10 cfs 372,026 cf

Subcatchment10S: POST - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=2.08"
Tc=20.2 min CN=80 Runoff=112.54 cfs 372,026 cf

Subcatchment11S: PRE - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=2.08"
Tc=50.0 min CN=80 Runoff=79.14 cfs 474,106 cf

Subcatchment12S: POST - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=2.08"
Tc=50.0 min CN=80 Runoff=79.14 cfs 474,106 cf

Subcatchment13S: PRE - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=2.25"
Tc=53.5 min CN=82 Runoff=79.31 cfs 496,465 cf

Subcatchment14S: POST - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=2.33"
Tc=67.6 min CN=83 Runoff=69.39 cfs 515,005 cf

Subcatchment15S: PRE - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=2.33"
Tc=18.6 min CN=83 Runoff=32.49 cfs 102,324 cf

Subcatchment16S: POST - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=2.42"
Tc=19.8 min CN=84 Runoff=32.51 cfs 106,083 cf

Subcatchment17S: PRE - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=2.25"
Tc=23.5 min CN=82 Runoff=48.24 cfs 173,640 cf

Subcatchment18S: POST - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=2.25"
Tc=25.5 min CN=82 Runoff=45.84 cfs 173,640 cf

Subcatchment19S: PRE - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=1.50"
Tc=38.6 min CN=72 Runoff=28.03 cfs 146,547 cf

Subcatchment20S: POST - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=1.56"
Tc=39.9 min CN=73 Runoff=28.87 cfs 153,232 cf

Subcatchment21S: PRE - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=2.42"
Tc=14.8 min CN=84 Runoff=8.71 cfs 24,548 cf

Subcatchment22S: POST - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=2.50"
Tc=15.7 min CN=85 Runoff=8.75 cfs 25,436 cf

Subcatchment23S: PRE - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=2.42"
Tc=32.5 min CN=84 Runoff=3.18 cfs 14,028 cf

Subcatchment24S: POST - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=2.42"
Tc=33.1 min CN=84 Runoff=3.14 cfs 14,028 cf

Subcatchment25S: PRE - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=1.36"
Tc=23.4 min CN=70 Runoff=60.24 cfs 228,607 cf

Subcatchment26S: POST - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=1.50"
Tc=23.4 min CN=72 Runoff=67.17 cfs 250,757 cf

Subcatchment27S: PRE - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=1.06"
Tc=29.4 min CN=65 Runoff=12.60 cfs 59,506 cf

Subcatchment28S: POST - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=1.24"
Tc=25.6 min CN=68 Runoff=16.97 cfs 69,585 cf

Subcatchment29S: PRE - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=2.42"
Tc=19.3 min CN=84 Runoff=18.26 cfs 58,740 cf

Subcatchment30S: POST - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=2.42"
Tc=20.5 min CN=84 Runoff=17.63 cfs 58,740 cf

Total Runoff Area = 44,100,144 sf Runoff Volume = 7,322,512 cf Average Runoff Depth = 1.99"
100.00% Pervious = 44,100,144 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 45

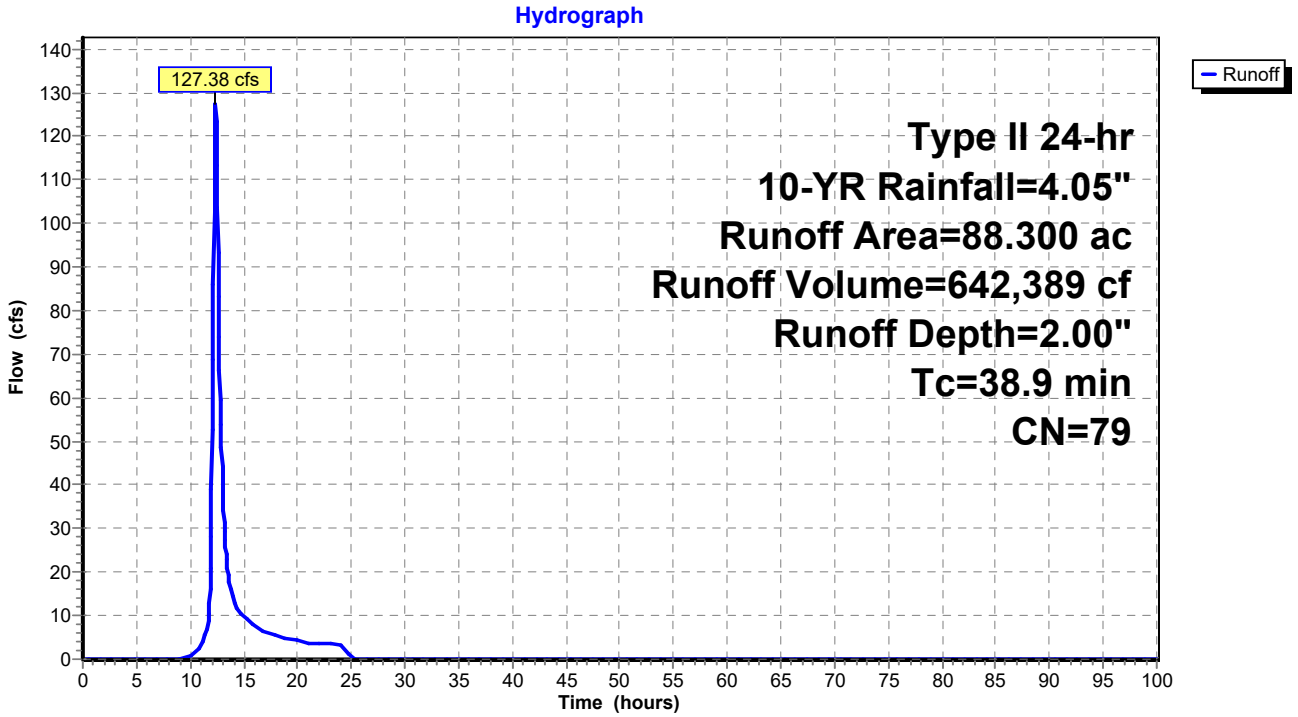
Runoff = 127.38 cfs @ 12.36 hrs, Volume= 642,389 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 45



Summary for Subcatchment 2S: POST - 45

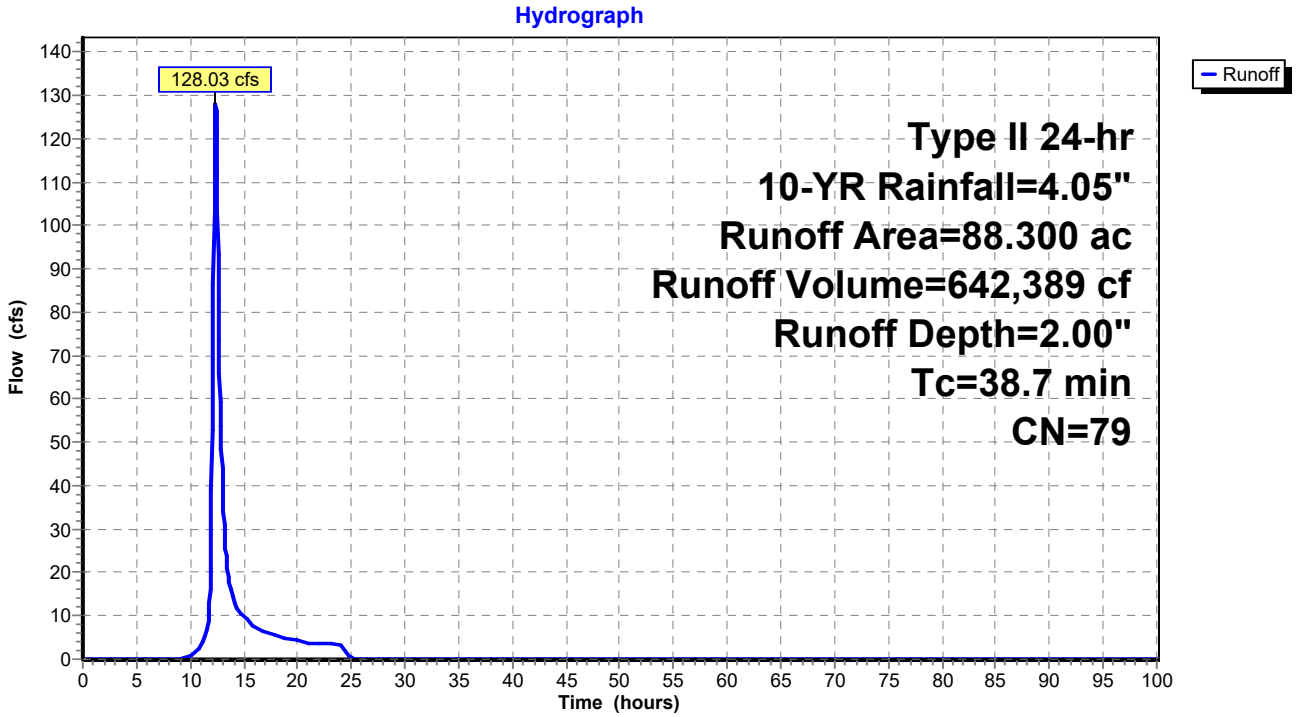
Runoff = 128.03 cfs @ 12.36 hrs, Volume= 642,389 cf, Depth= 2.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 45



Summary for Subcatchment 3S: PRE - 31

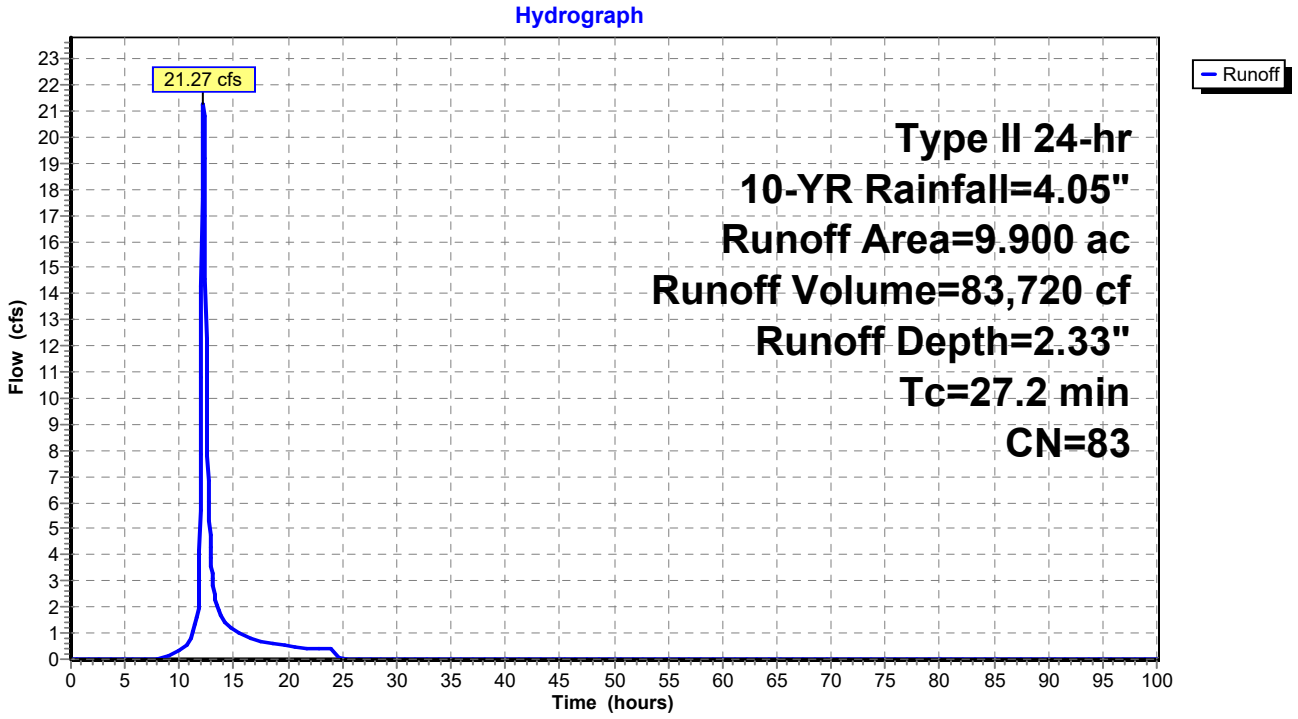
Runoff = 21.27 cfs @ 12.21 hrs, Volume= 83,720 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 3S: PRE - 31



Summary for Subcatchment 4S: POST - 31

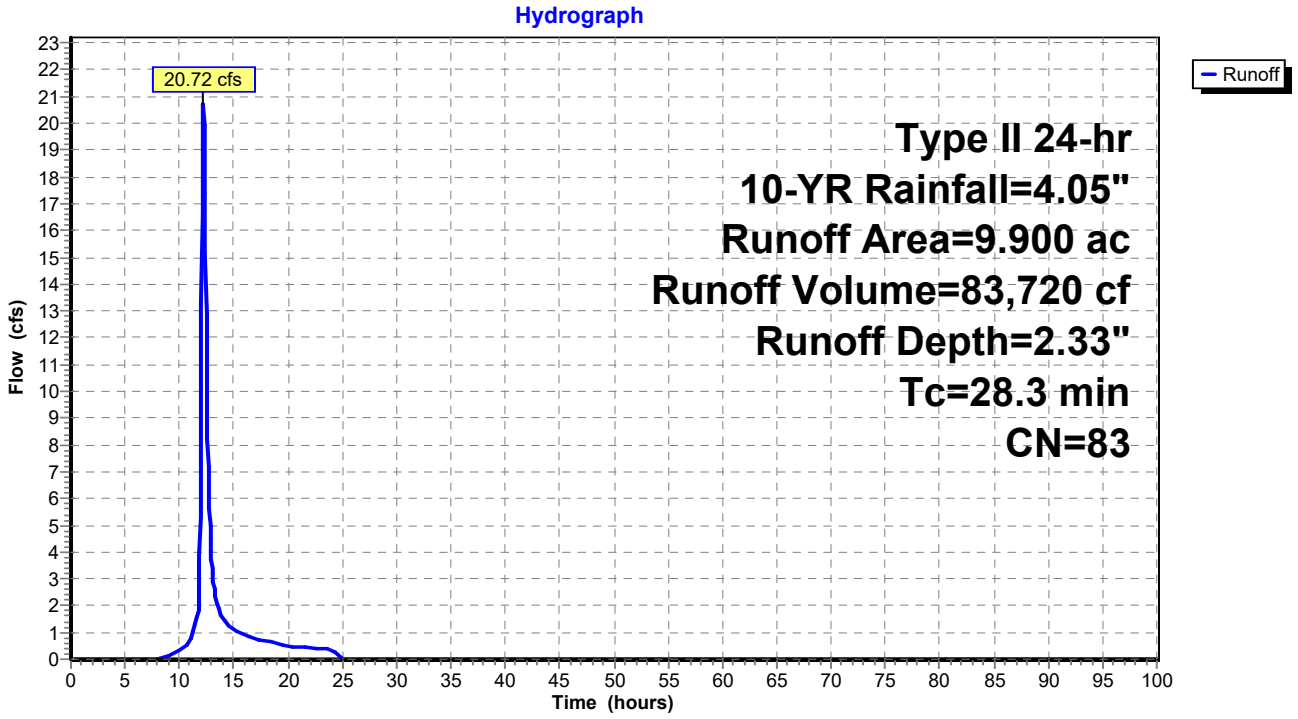
Runoff = 20.72 cfs @ 12.22 hrs, Volume= 83,720 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 4S: POST - 31



Summary for Subcatchment 5S: PRE - 32

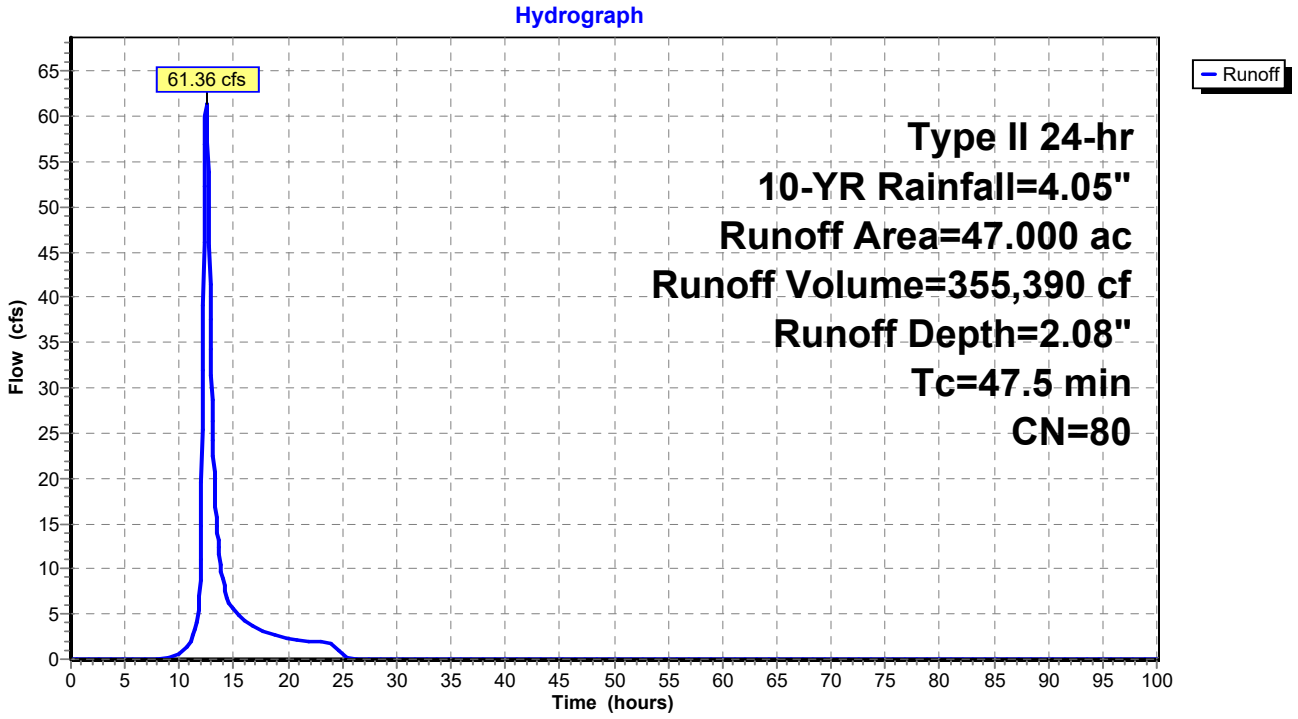
Runoff = 61.36 cfs @ 12.47 hrs, Volume= 355,390 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	47.000	80	
	47.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 32



Summary for Subcatchment 6S: POST - 32

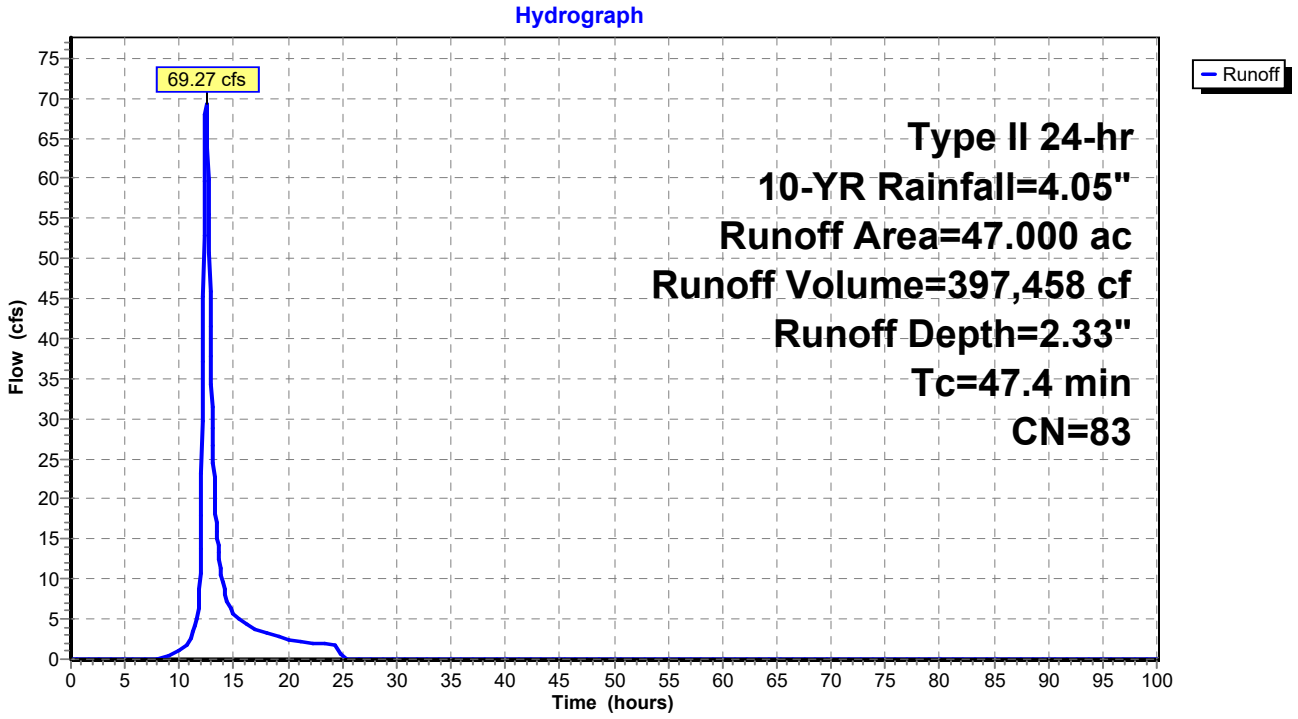
Runoff = 69.27 cfs @ 12.46 hrs, Volume= 397,458 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	47.000	83	
	47.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 32



Summary for Subcatchment 7S: PRE - 33

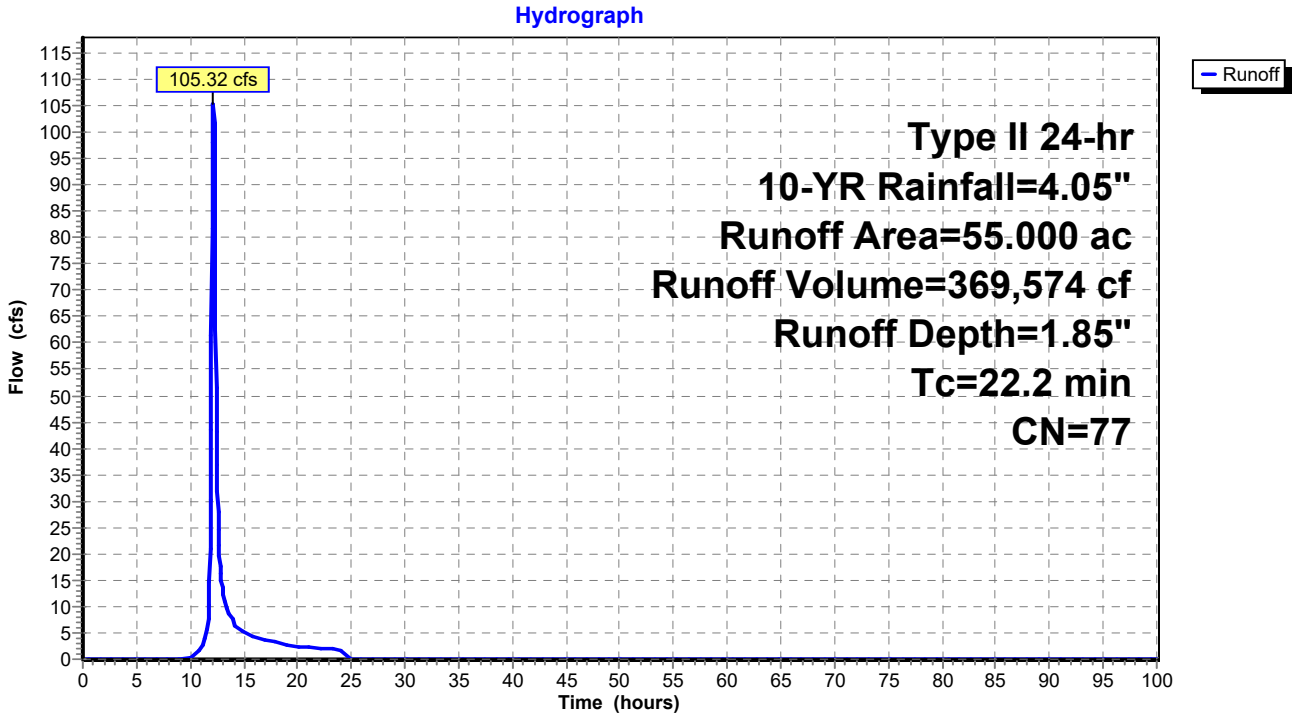
Runoff = 105.32 cfs @ 12.16 hrs, Volume= 369,574 cf, Depth= 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	55.000	77	
	55.000		100.00% Pervious Area

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

Subcatchment 7S: PRE - 33



Summary for Subcatchment 8S: POST - 33

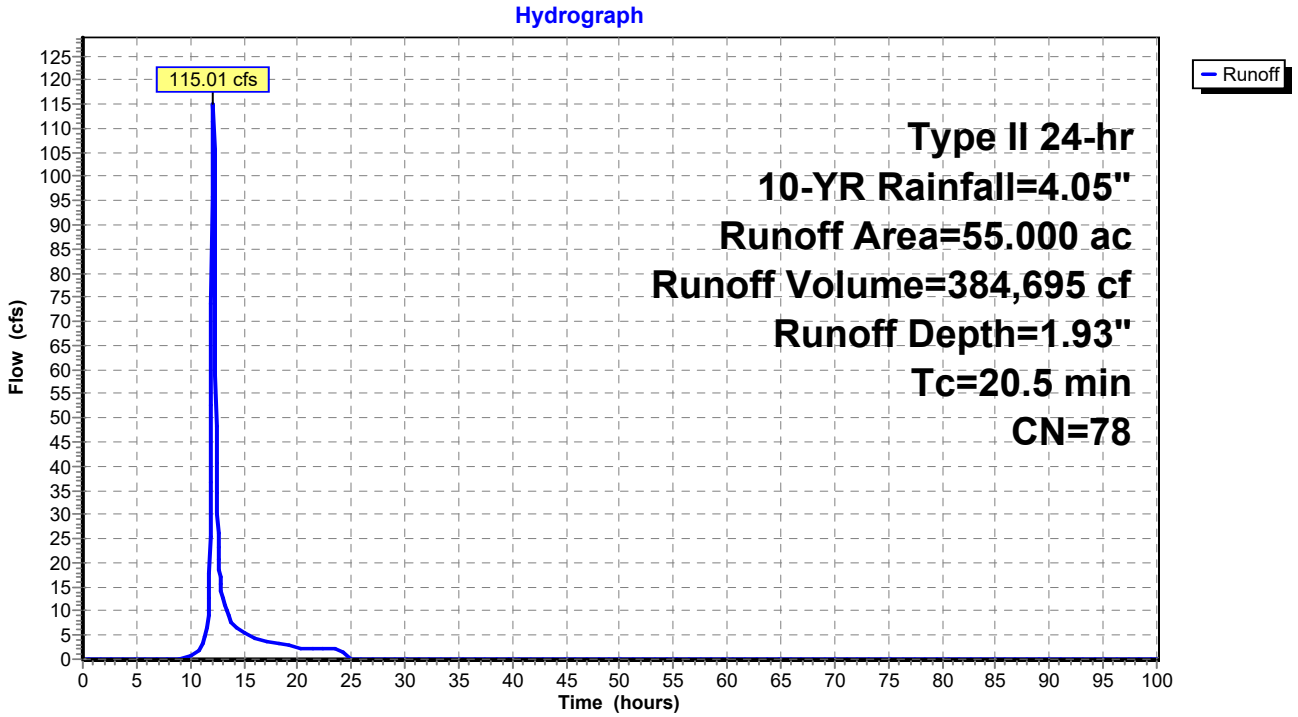
Runoff = 115.01 cfs @ 12.14 hrs, Volume= 384,695 cf, Depth= 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	55.000	78	
	55.000		100.00% Pervious Area

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

Subcatchment 8S: POST - 33



Summary for Subcatchment 9S: PRE - 34

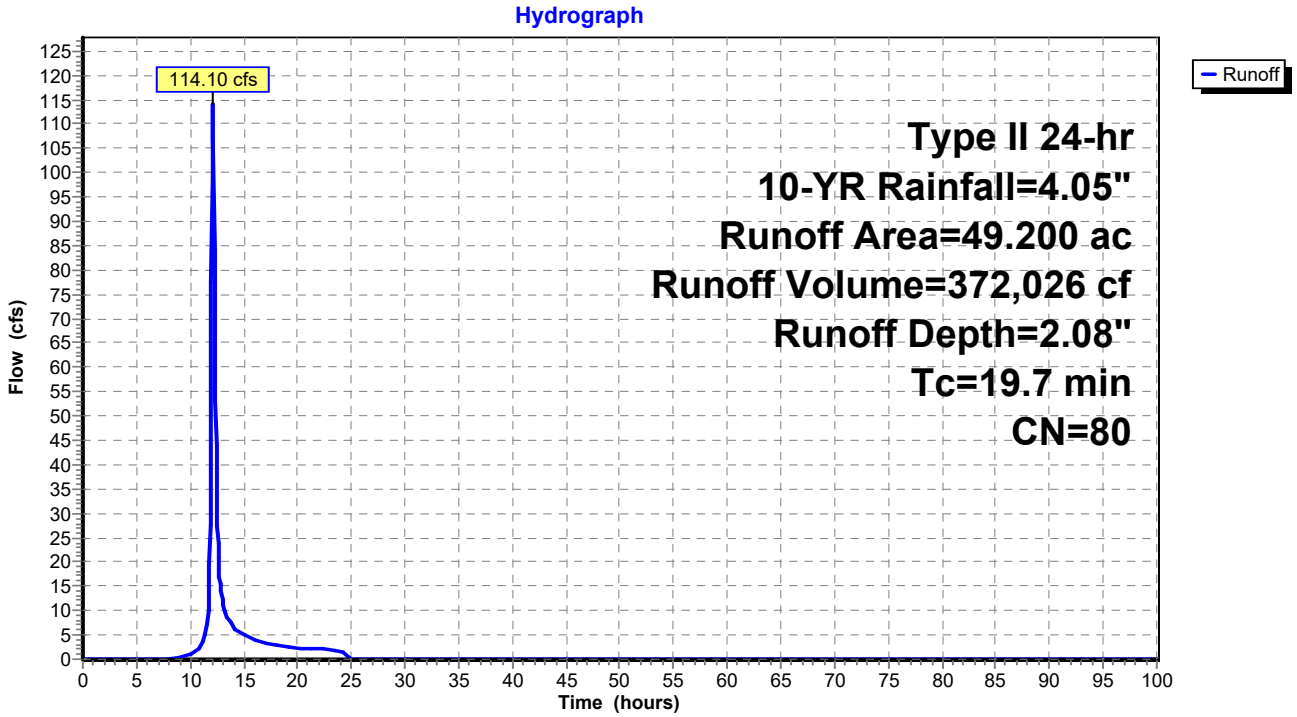
Runoff = 114.10 cfs @ 12.13 hrs, Volume= 372,026 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 9S: PRE - 34



Summary for Subcatchment 10S: POST - 34

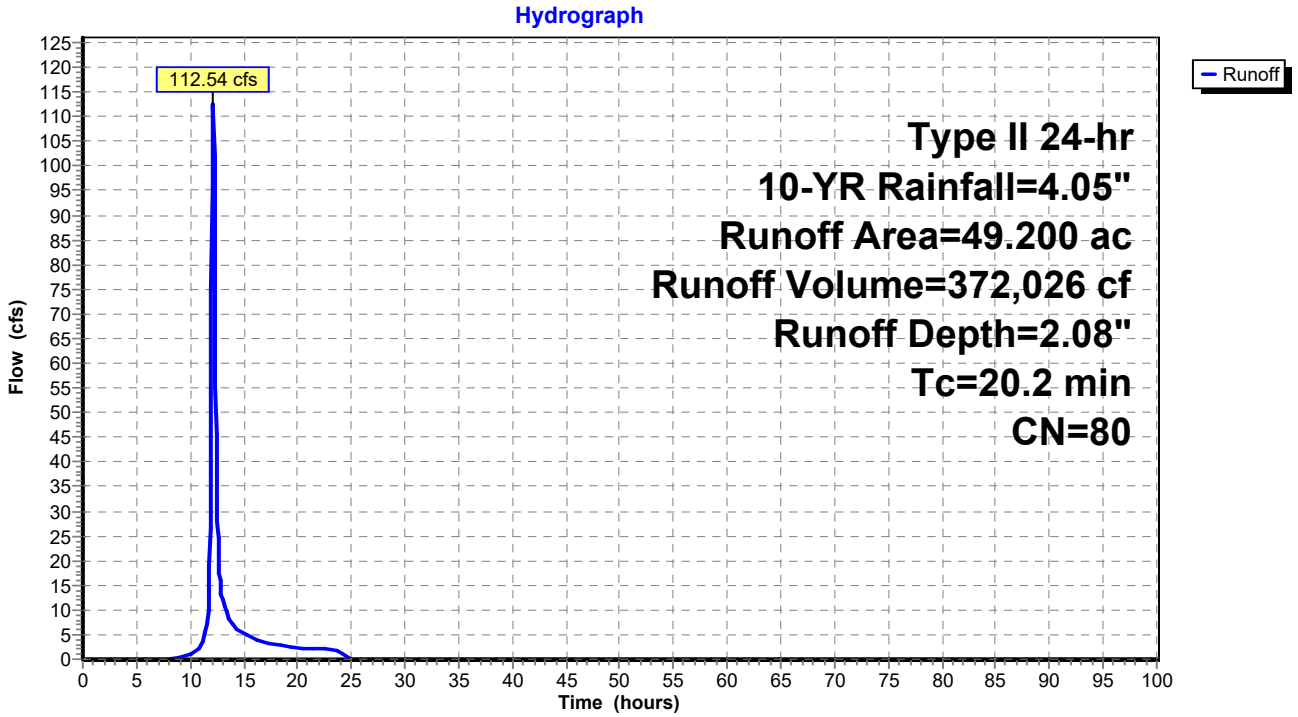
Runoff = 112.54 cfs @ 12.13 hrs, Volume= 372,026 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 10S: POST - 34



Summary for Subcatchment 11S: PRE - 35

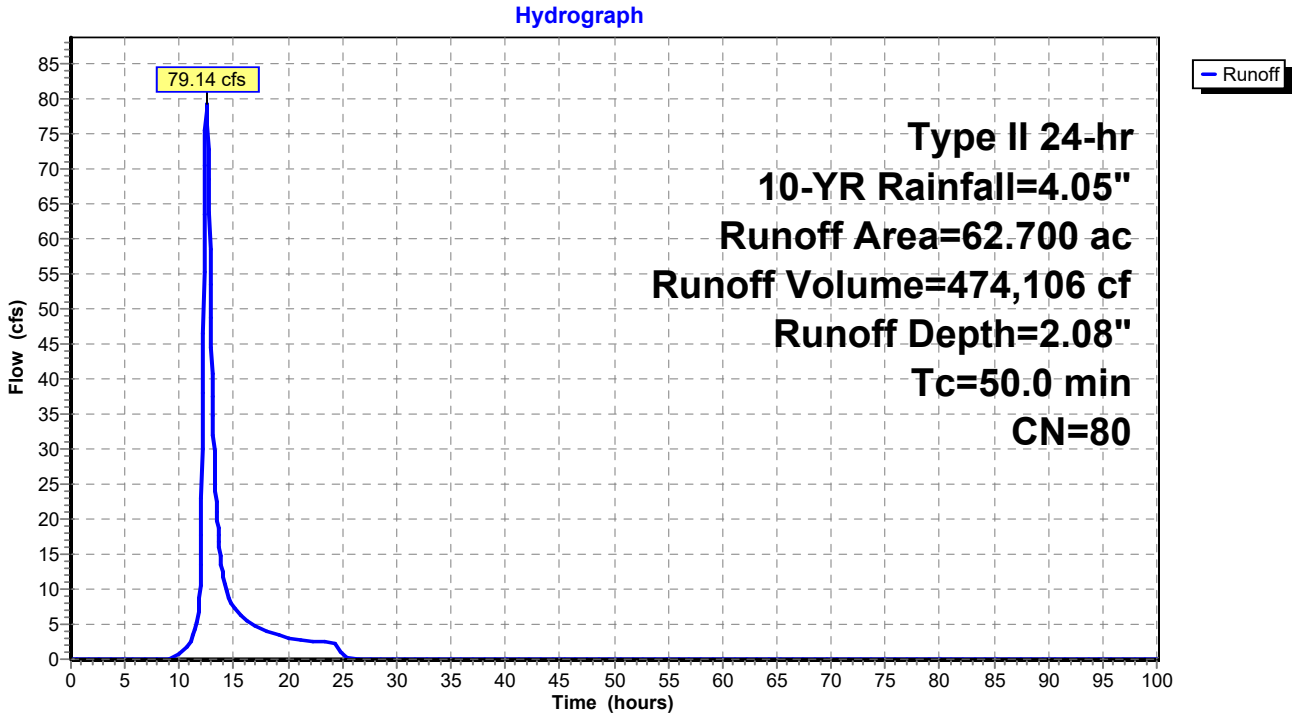
Runoff = 79.14 cfs @ 12.50 hrs, Volume= 474,106 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 11S: PRE - 35



Summary for Subcatchment 12S: POST - 35

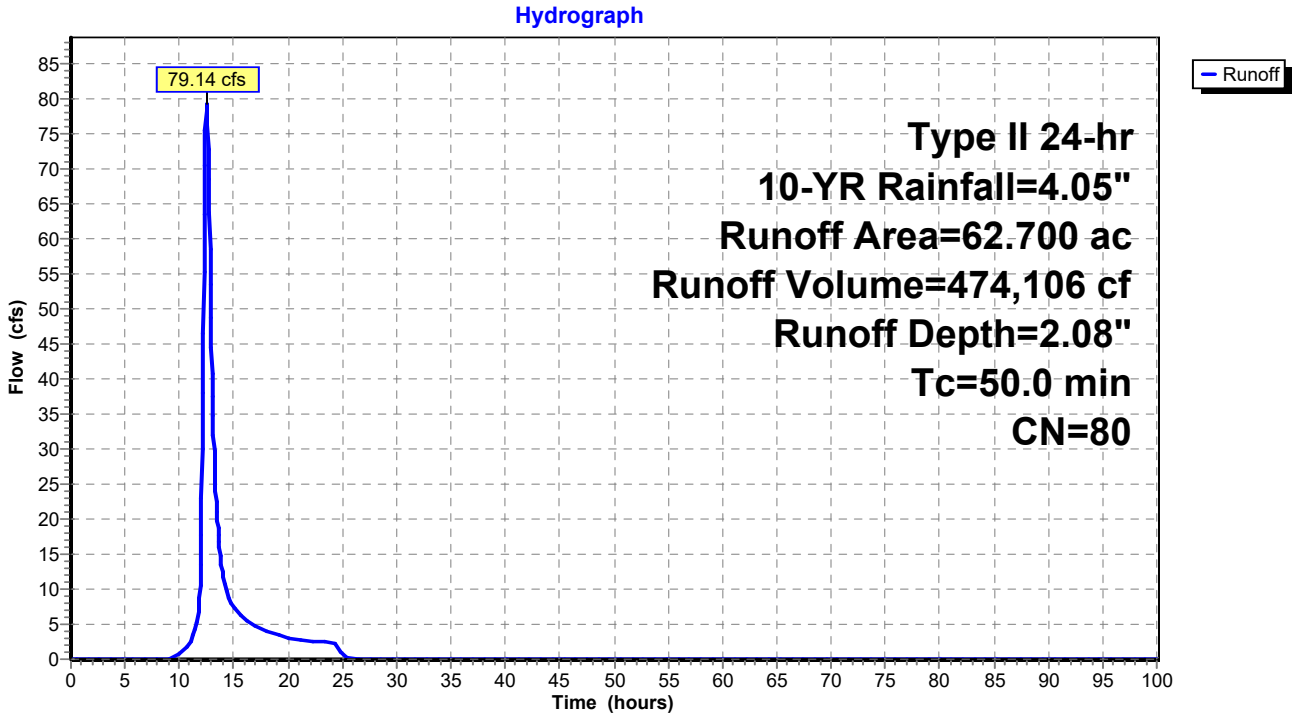
Runoff = 79.14 cfs @ 12.50 hrs, Volume= 474,106 cf, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 12S: POST - 35



Summary for Subcatchment 13S: PRE - 36

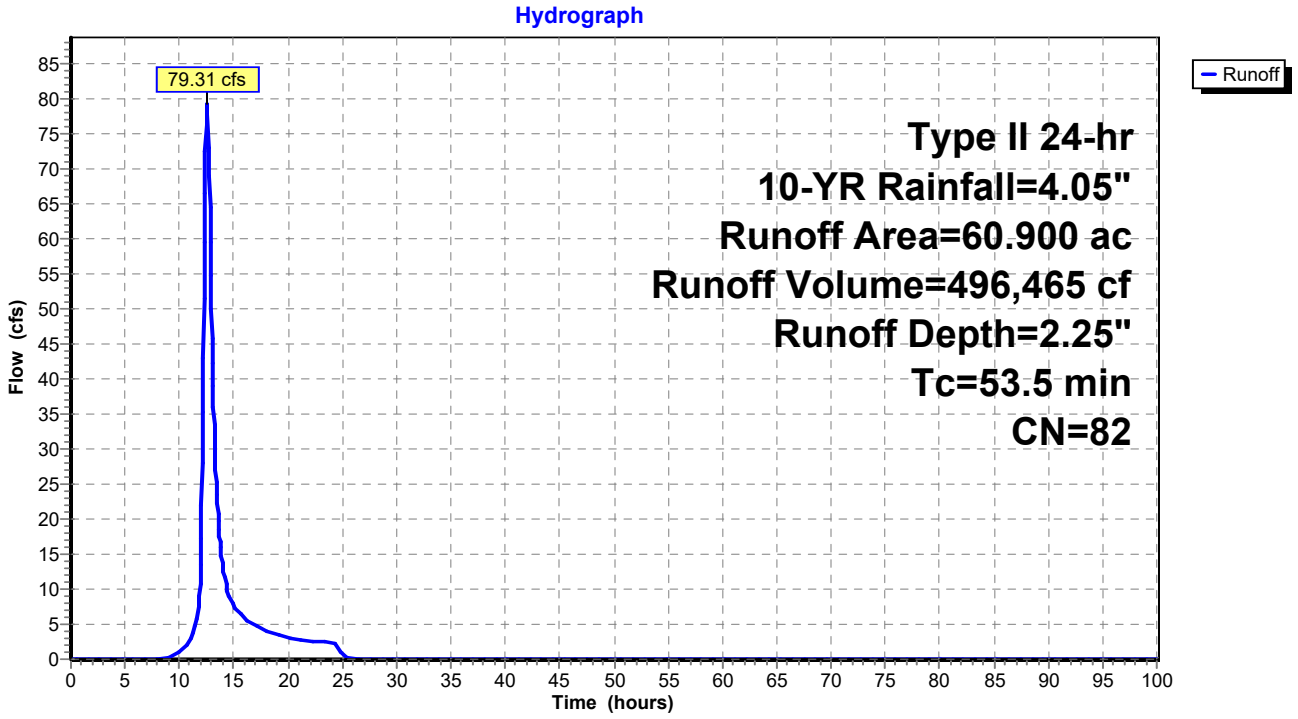
Runoff = 79.31 cfs @ 12.54 hrs, Volume= 496,465 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	60.900	82	
	60.900		100.00% Pervious Area

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

Subcatchment 13S: PRE - 36



Summary for Subcatchment 14S: POST - 36

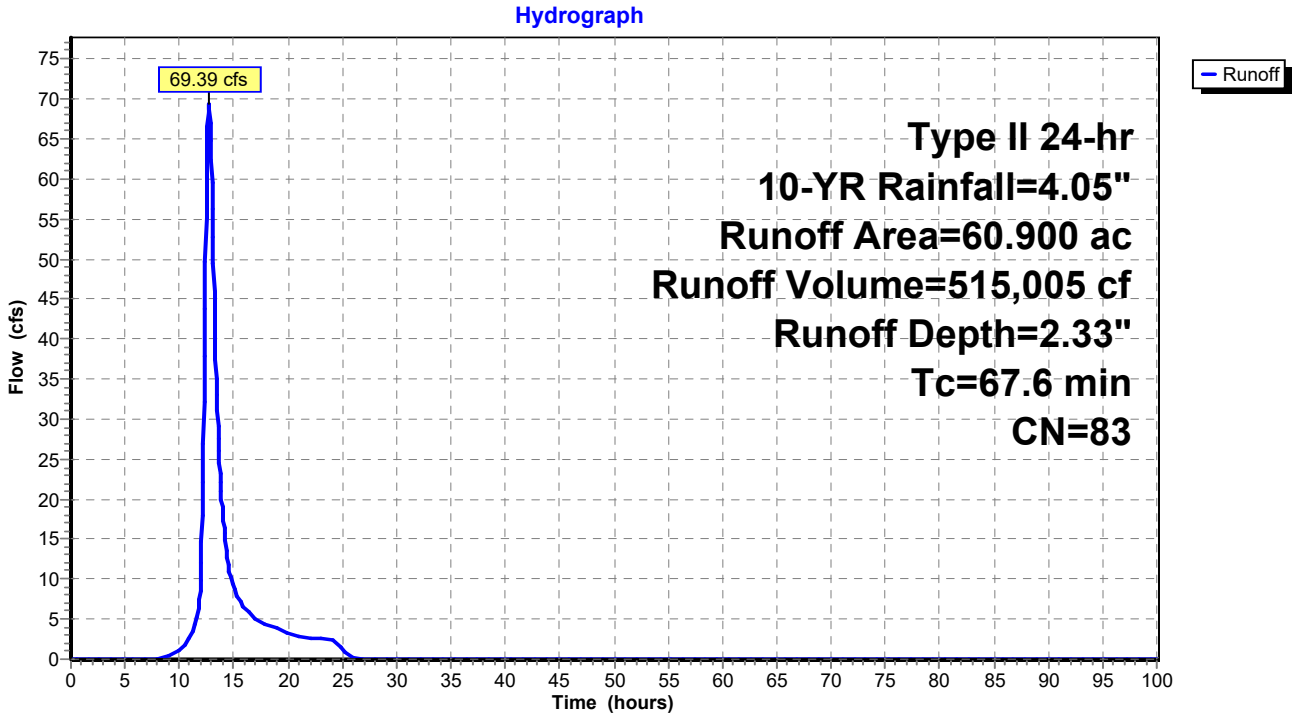
Runoff = 69.39 cfs @ 12.72 hrs, Volume= 515,005 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	60.900	83	
	60.900		100.00% Pervious Area

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

Subcatchment 14S: POST - 36



Summary for Subcatchment 15S: PRE - 37

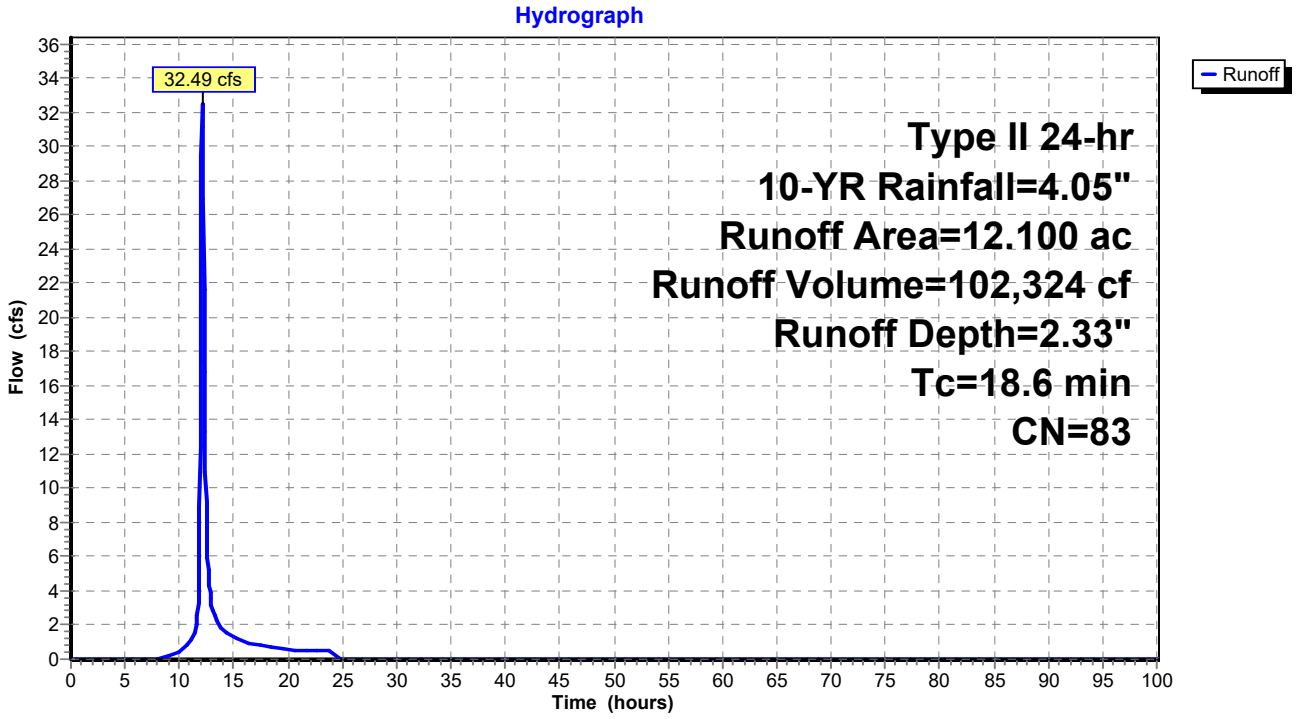
Runoff = 32.49 cfs @ 12.11 hrs, Volume= 102,324 cf, Depth= 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	12.100	83	
	12.100		100.00% Pervious Area

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

Subcatchment 15S: PRE - 37



Summary for Subcatchment 16S: POST - 37

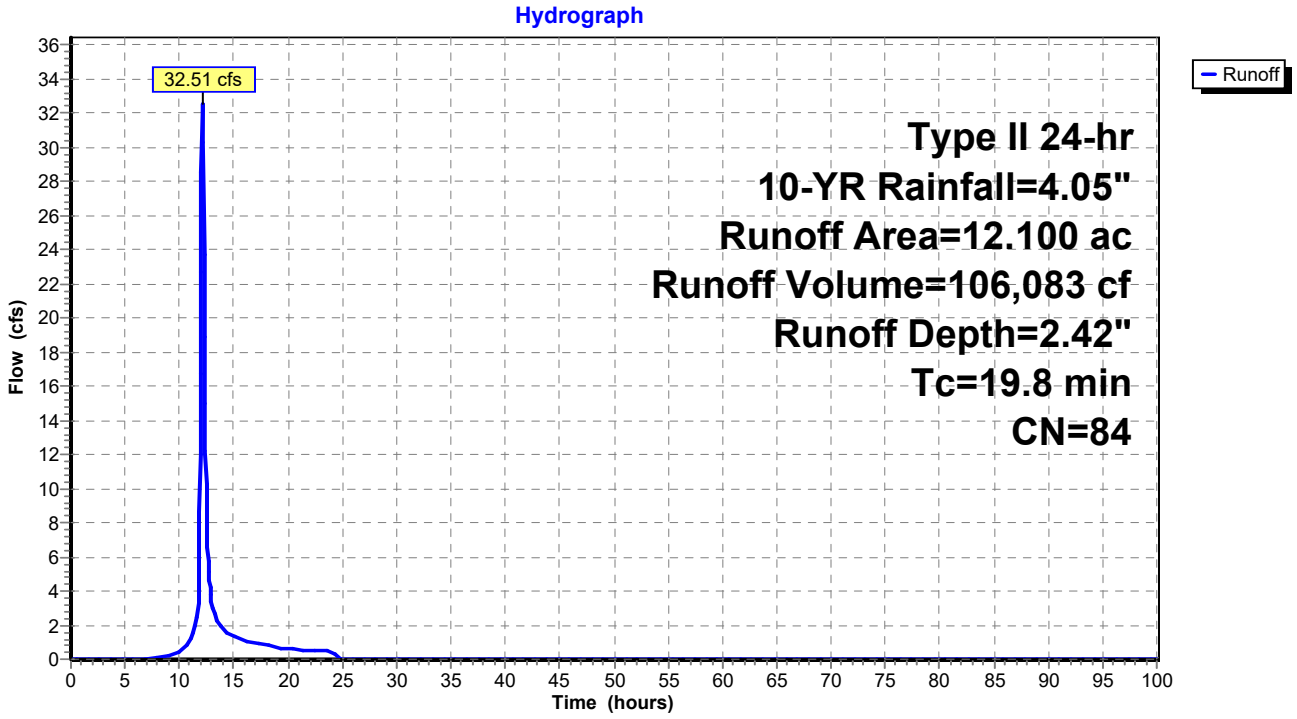
Runoff = 32.51 cfs @ 12.12 hrs, Volume= 106,083 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	12.100	84	
	12.100		100.00% Pervious Area

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

Subcatchment 16S: POST - 37



Summary for Subcatchment 17S: PRE - 38

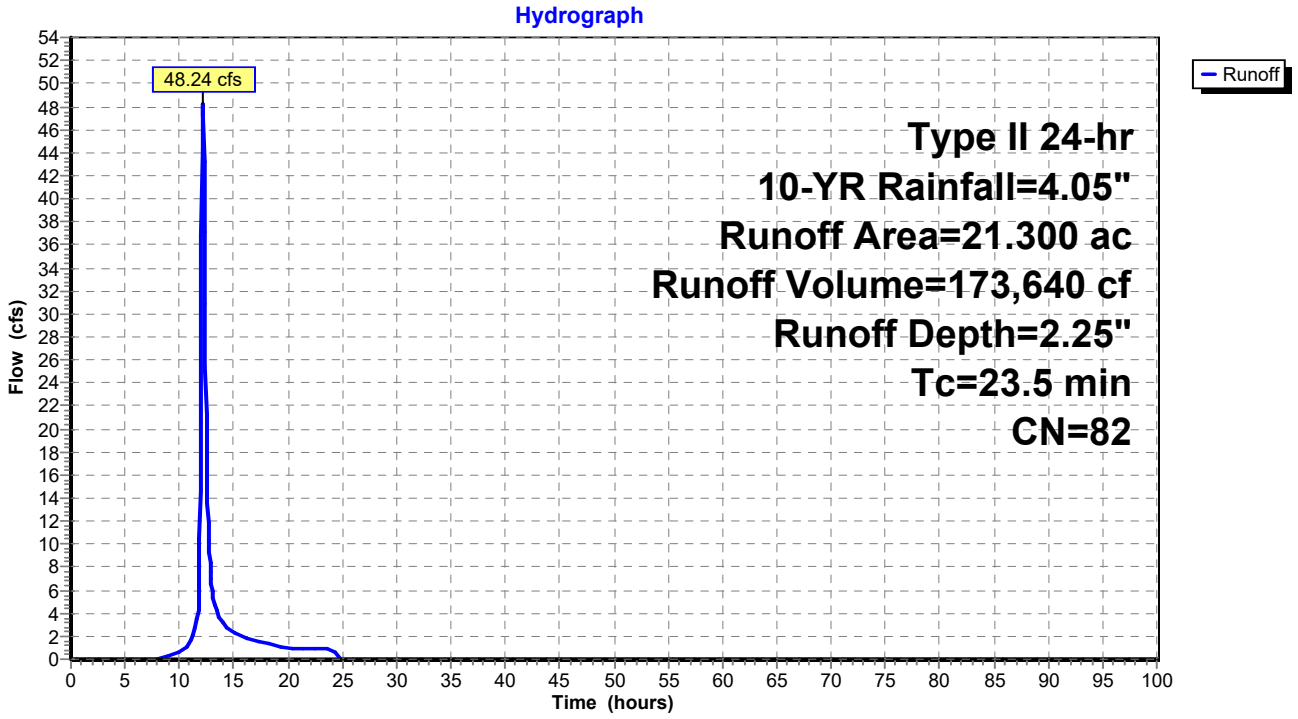
Runoff = 48.24 cfs @ 12.17 hrs, Volume= 173,640 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 38



Summary for Subcatchment 18S: POST - 38

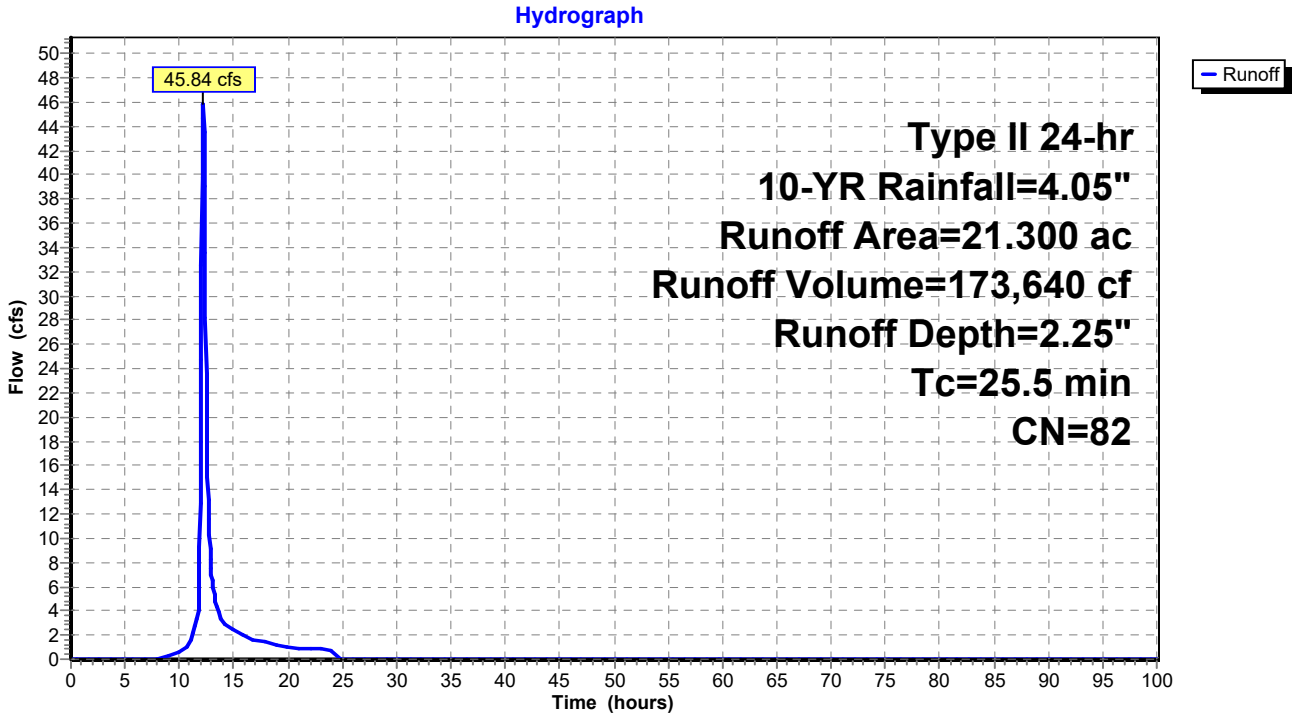
Runoff = 45.84 cfs @ 12.19 hrs, Volume= 173,640 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 38



Summary for Subcatchment 19S: PRE - 39

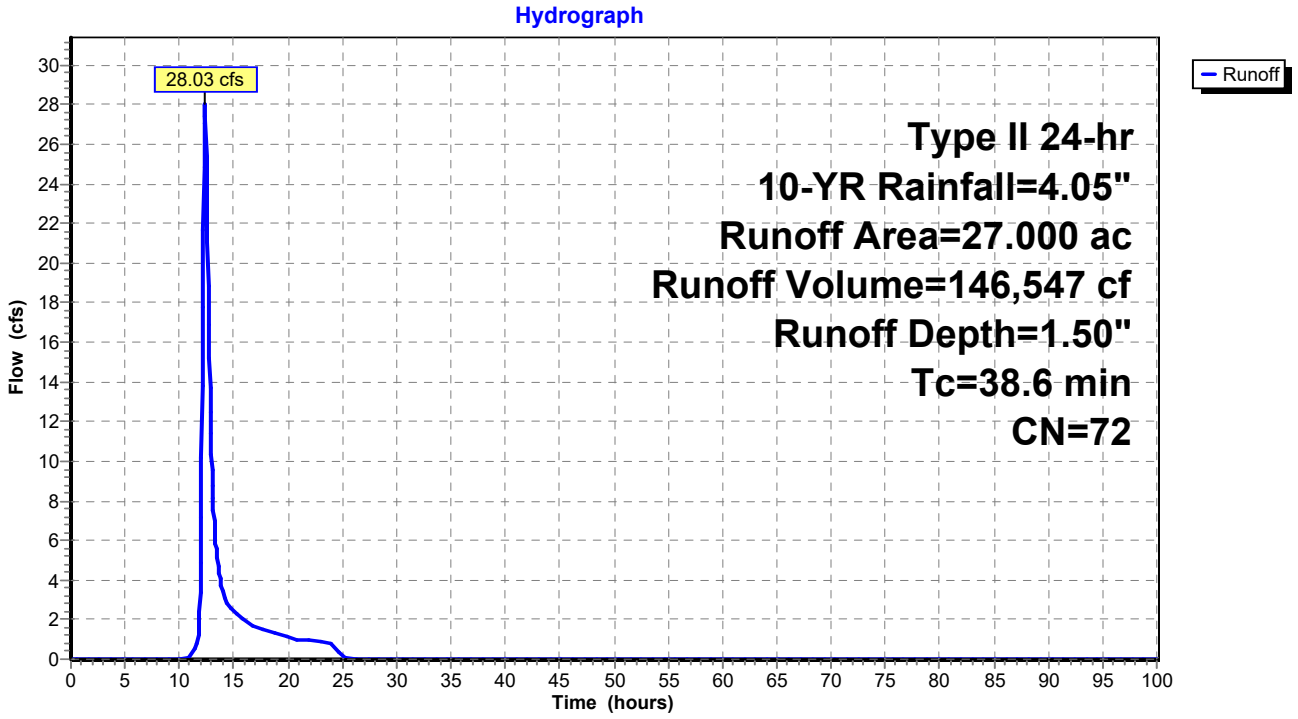
Runoff = 28.03 cfs @ 12.37 hrs, Volume= 146,547 cf, Depth= 1.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	27.000	72	
	27.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 39



Summary for Subcatchment 20S: POST - 39

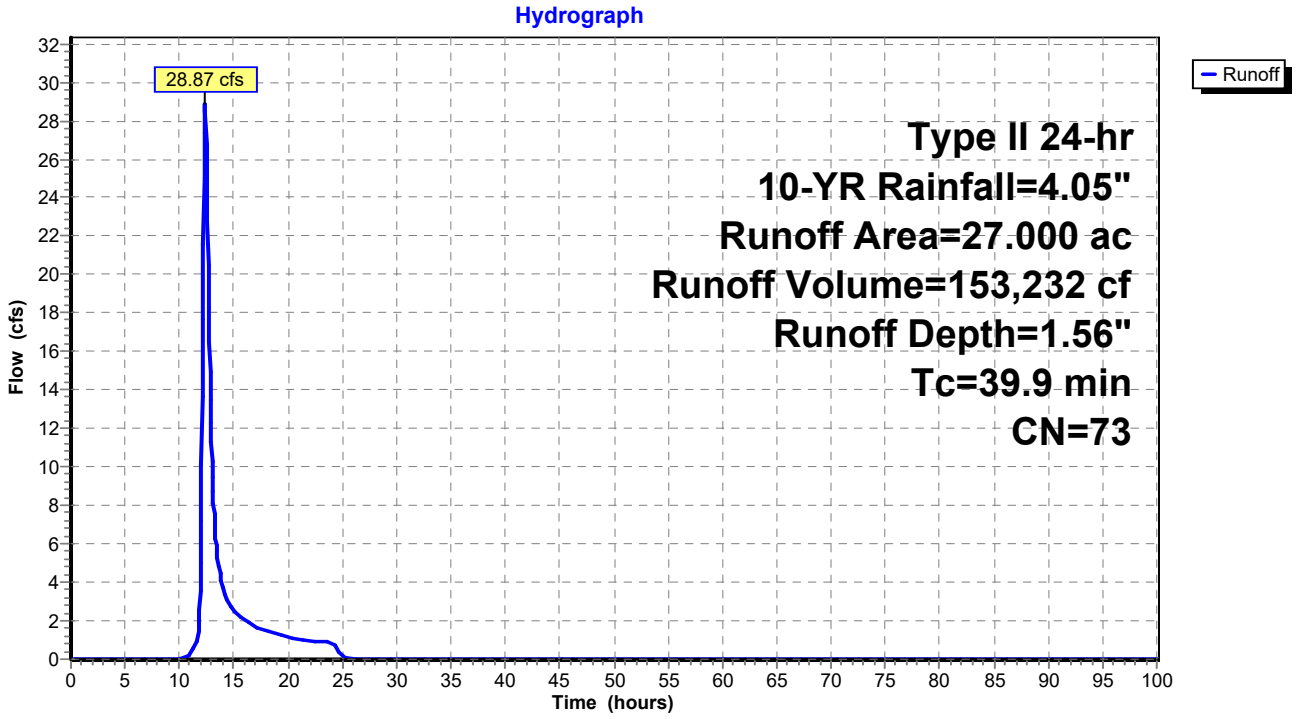
Runoff = 28.87 cfs @ 12.38 hrs, Volume= 153,232 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	27.000	73	
	27.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 39



Summary for Subcatchment 21S: PRE - 40

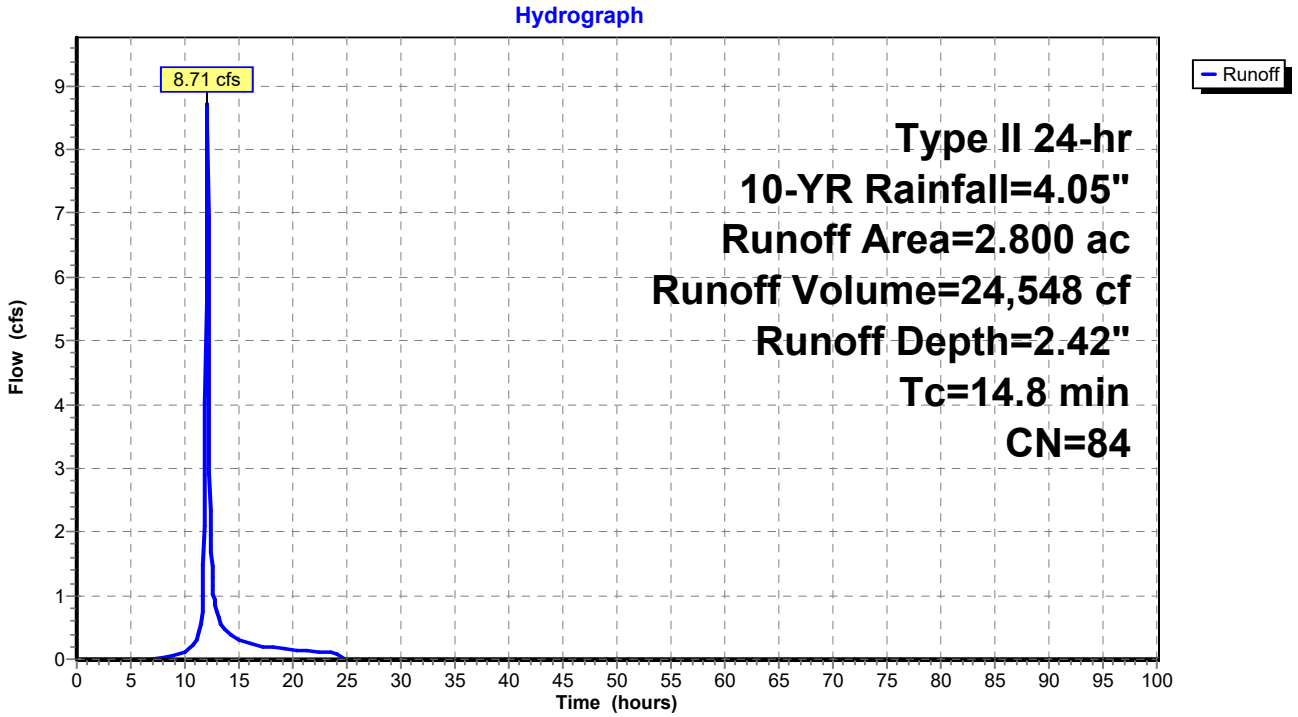
Runoff = 8.71 cfs @ 12.07 hrs, Volume= 24,548 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	2.800	84	
	2.800		100.00% Pervious Area

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

Subcatchment 21S: PRE - 40



Summary for Subcatchment 22S: POST - 40

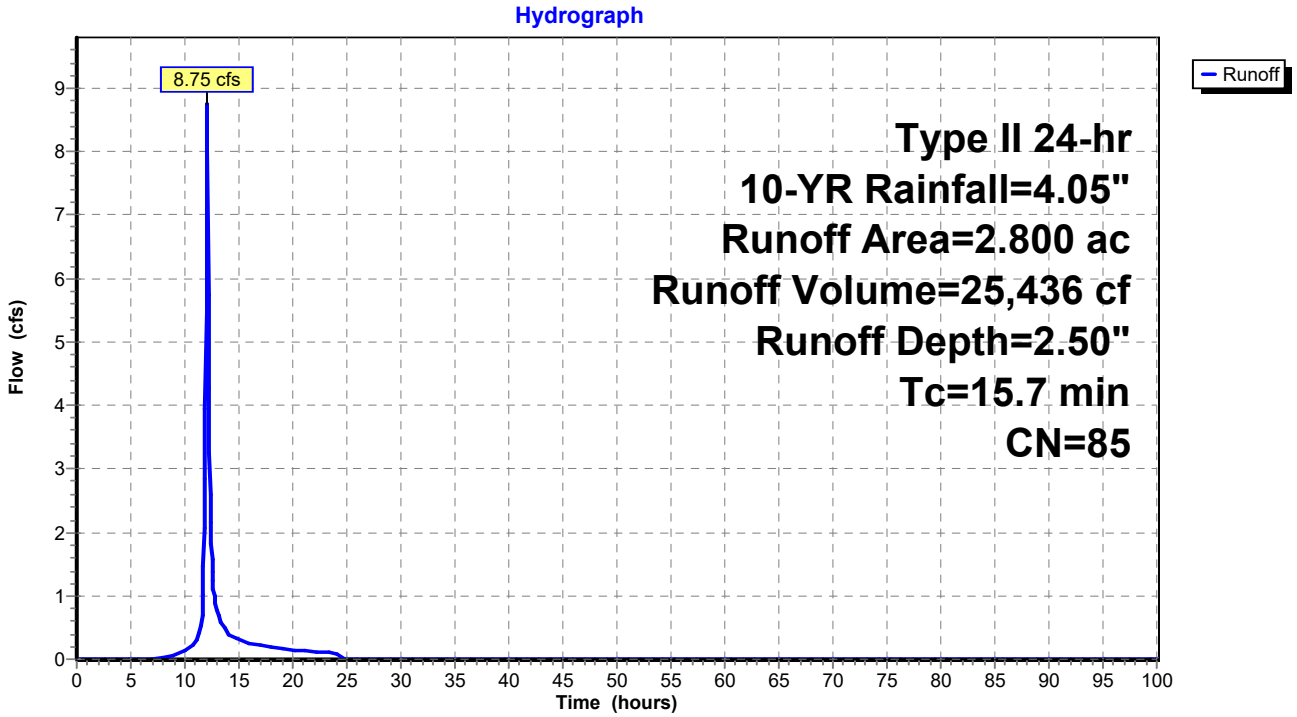
Runoff = 8.75 cfs @ 12.08 hrs, Volume= 25,436 cf, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	2.800	85	
	2.800		100.00% Pervious Area

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

Subcatchment 22S: POST - 40



Summary for Subcatchment 23S: PRE - 41

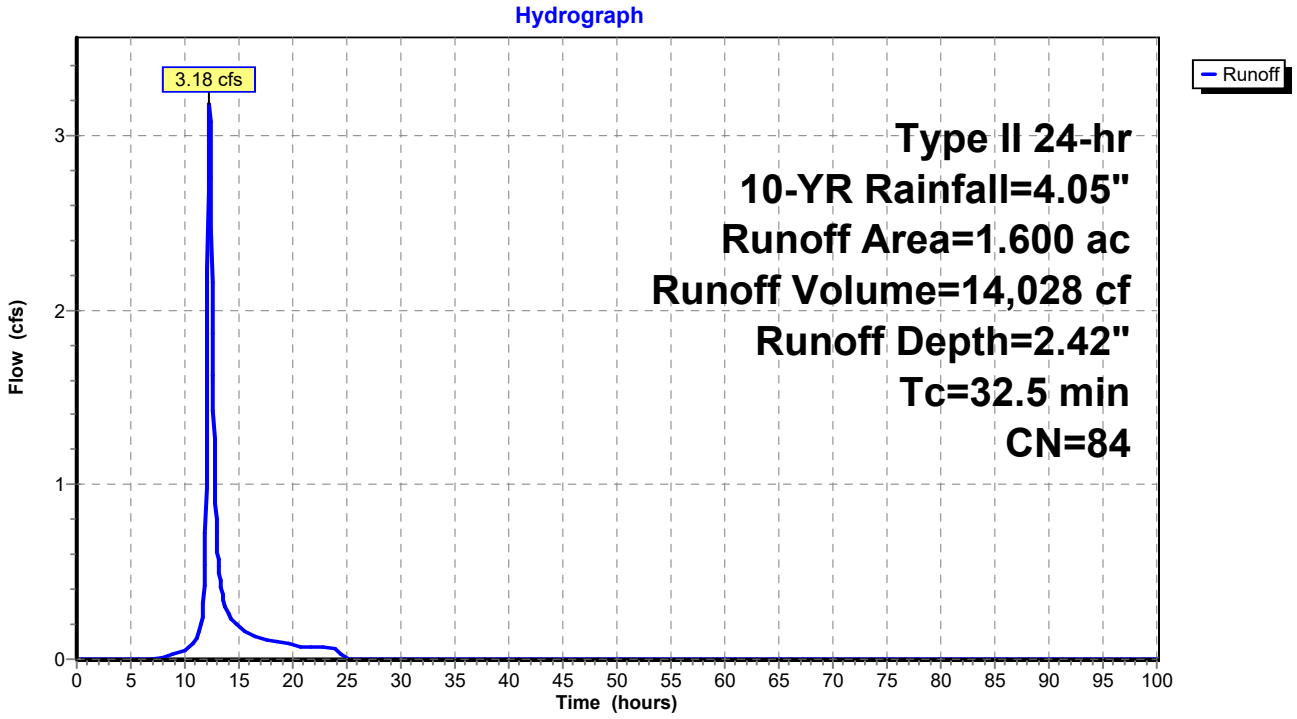
Runoff = 3.18 cfs @ 12.27 hrs, Volume= 14,028 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 23S: PRE - 41



Summary for Subcatchment 24S: POST - 41

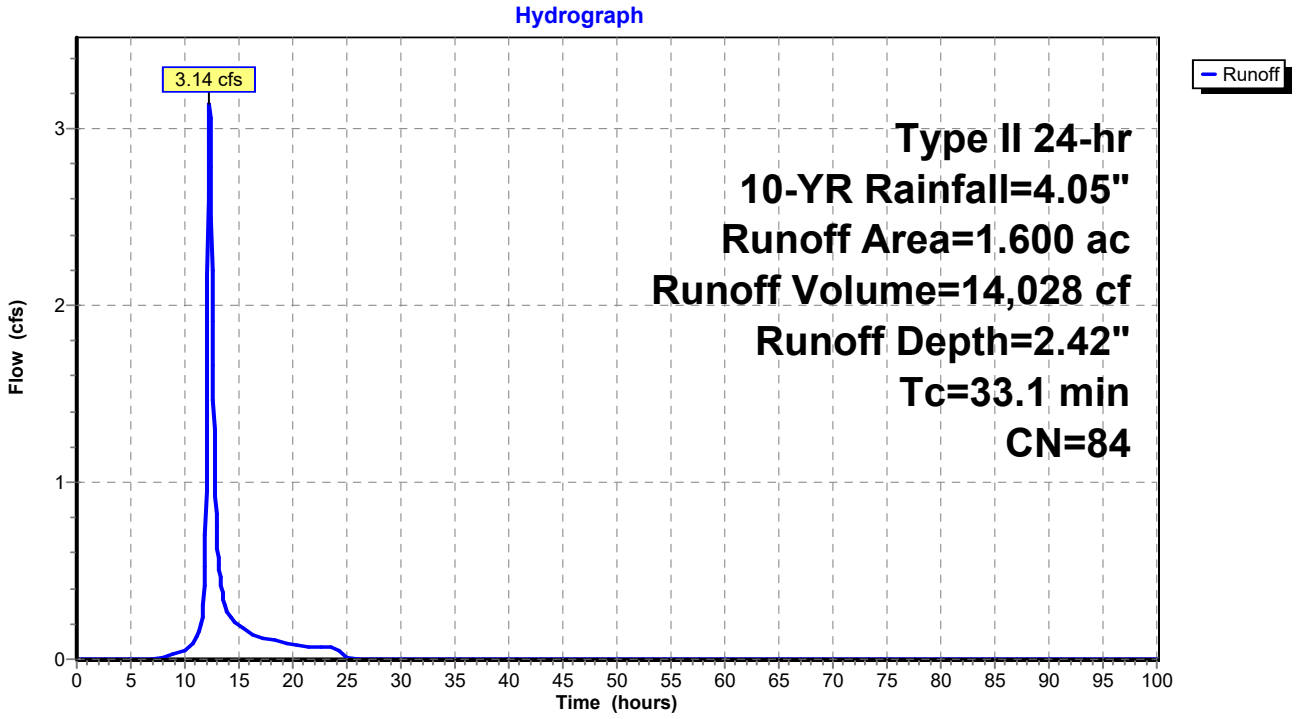
Runoff = 3.14 cfs @ 12.28 hrs, Volume= 14,028 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 24S: POST - 41



Summary for Subcatchment 25S: PRE - 42

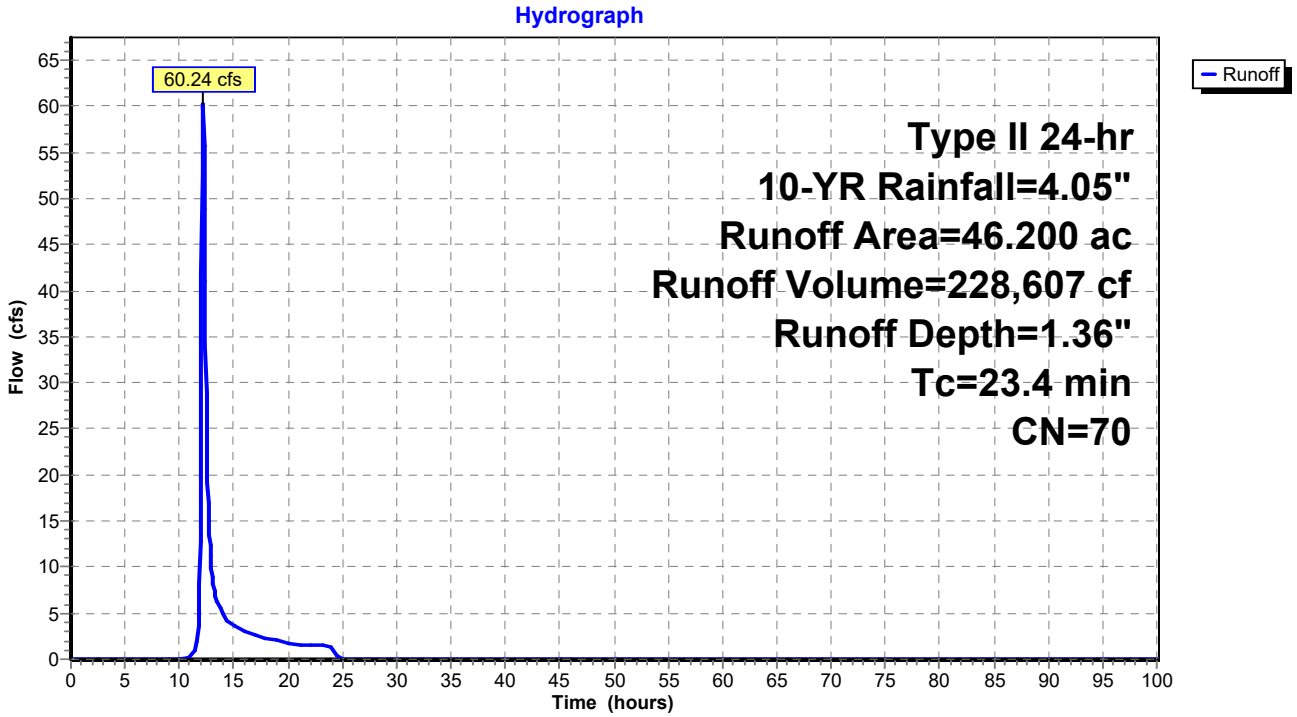
Runoff = 60.24 cfs @ 12.18 hrs, Volume= 228,607 cf, Depth= 1.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	46.200	70	
	46.200		100.00% Pervious Area

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

Subcatchment 25S: PRE - 42



Summary for Subcatchment 26S: POST - 42

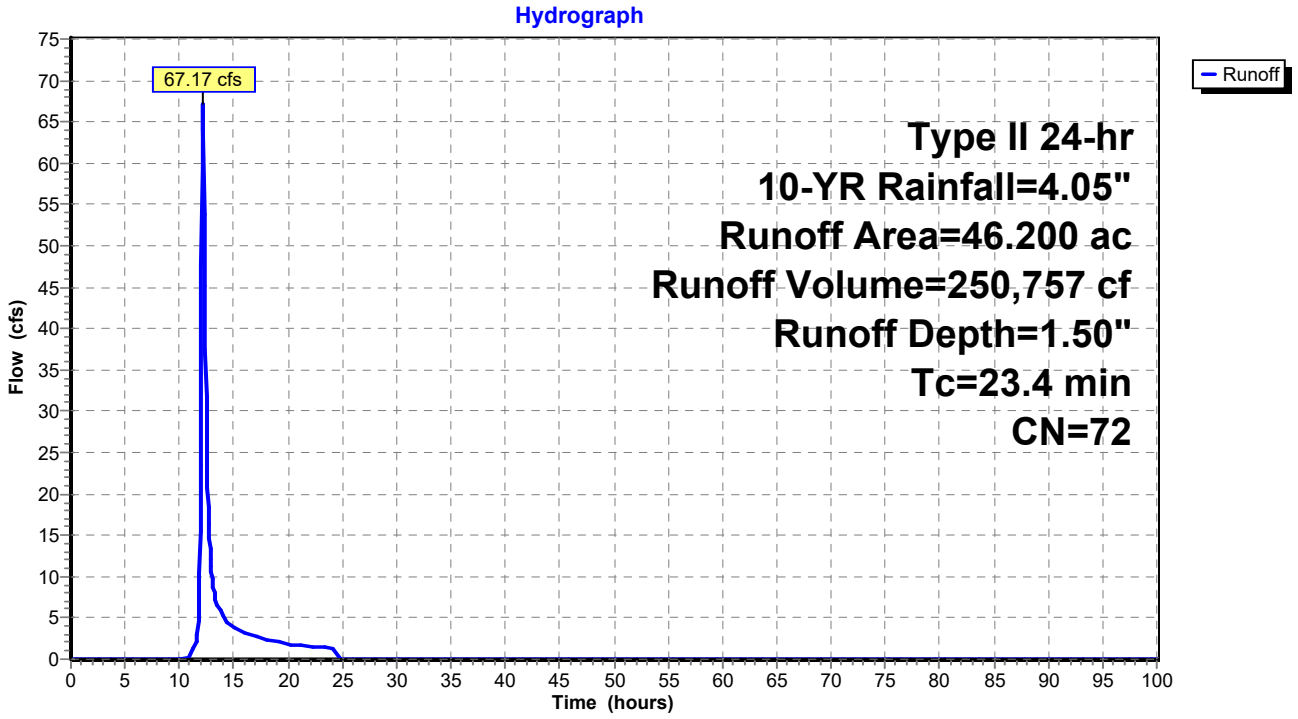
Runoff = 67.17 cfs @ 12.18 hrs, Volume= 250,757 cf, Depth= 1.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	46.200	72	
	46.200		100.00% Pervious Area

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

Subcatchment 26S: POST - 42



Summary for Subcatchment 27S: PRE - 43

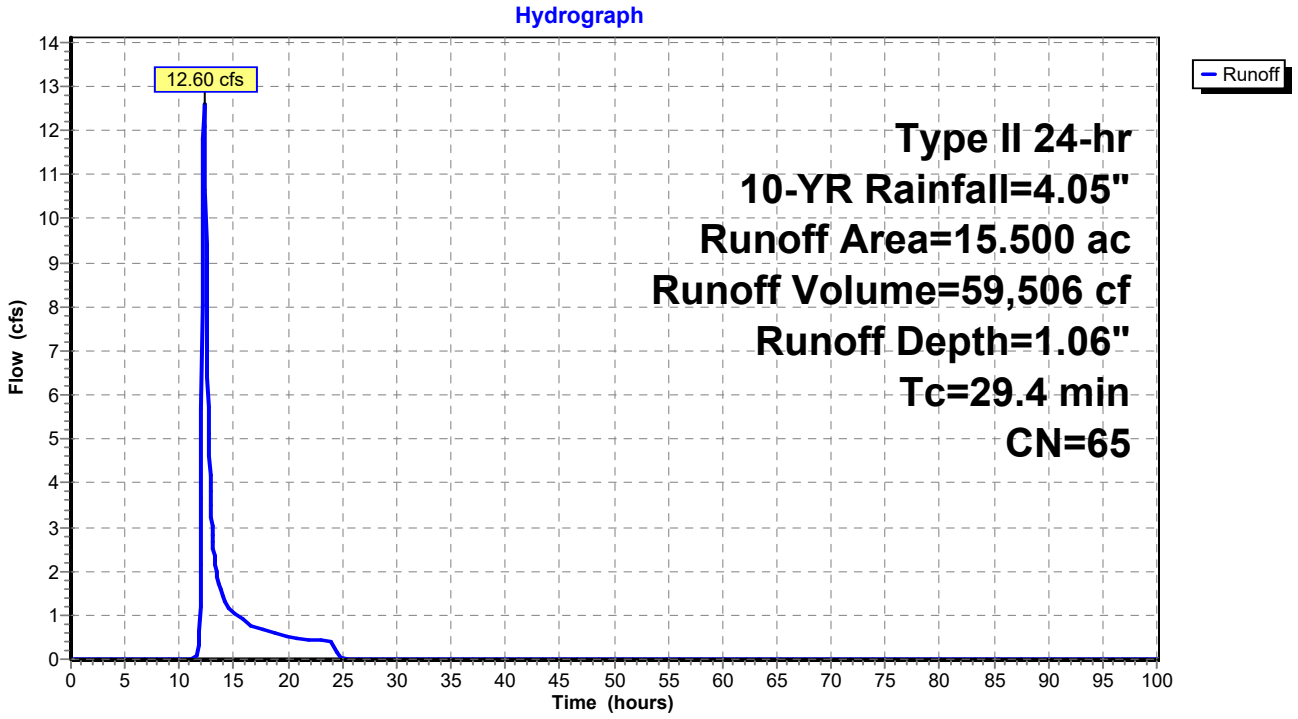
Runoff = 12.60 cfs @ 12.27 hrs, Volume= 59,506 cf, Depth= 1.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	15.500	65	
	15.500		100.00% Pervious Area

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

Subcatchment 27S: PRE - 43



Summary for Subcatchment 28S: POST - 43

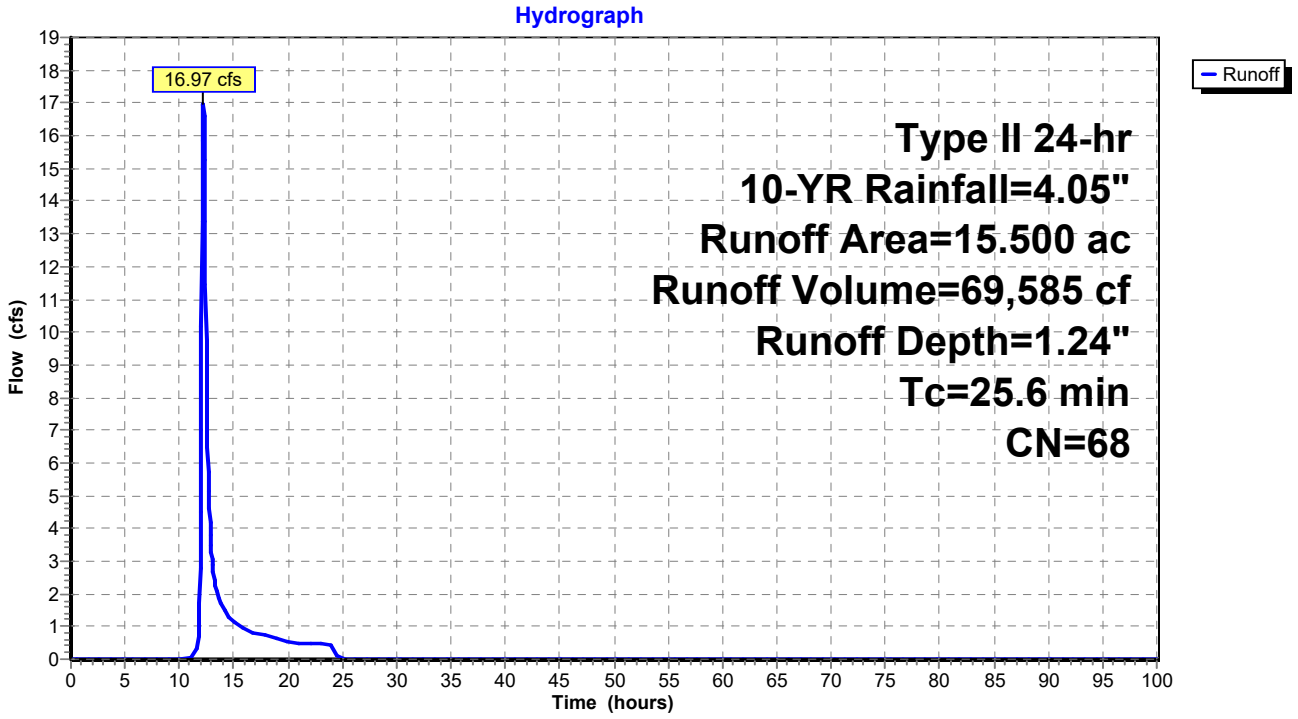
Runoff = 16.97 cfs @ 12.21 hrs, Volume= 69,585 cf, Depth= 1.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	15.500	68	
	15.500		100.00% Pervious Area

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

Subcatchment 28S: POST - 43



Summary for Subcatchment 29S: PRE - 44

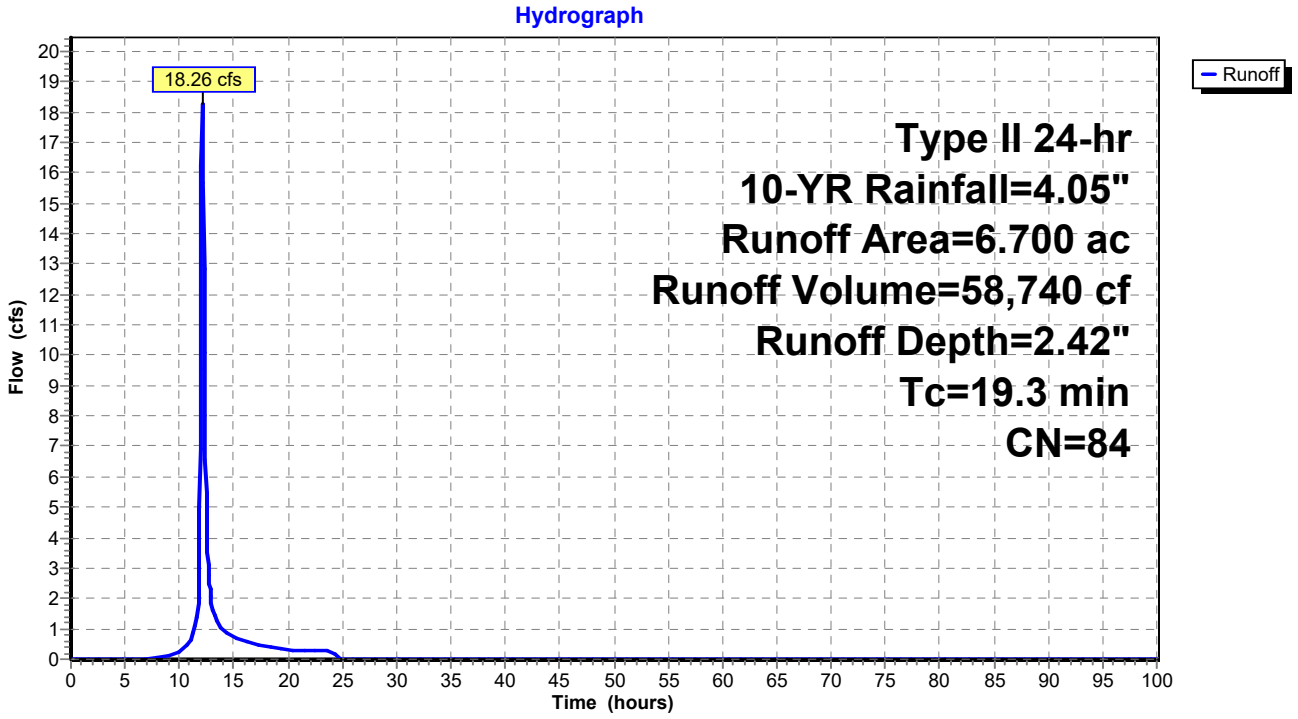
Runoff = 18.26 cfs @ 12.12 hrs, Volume= 58,740 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 44



Summary for Subcatchment 30S: POST - 44

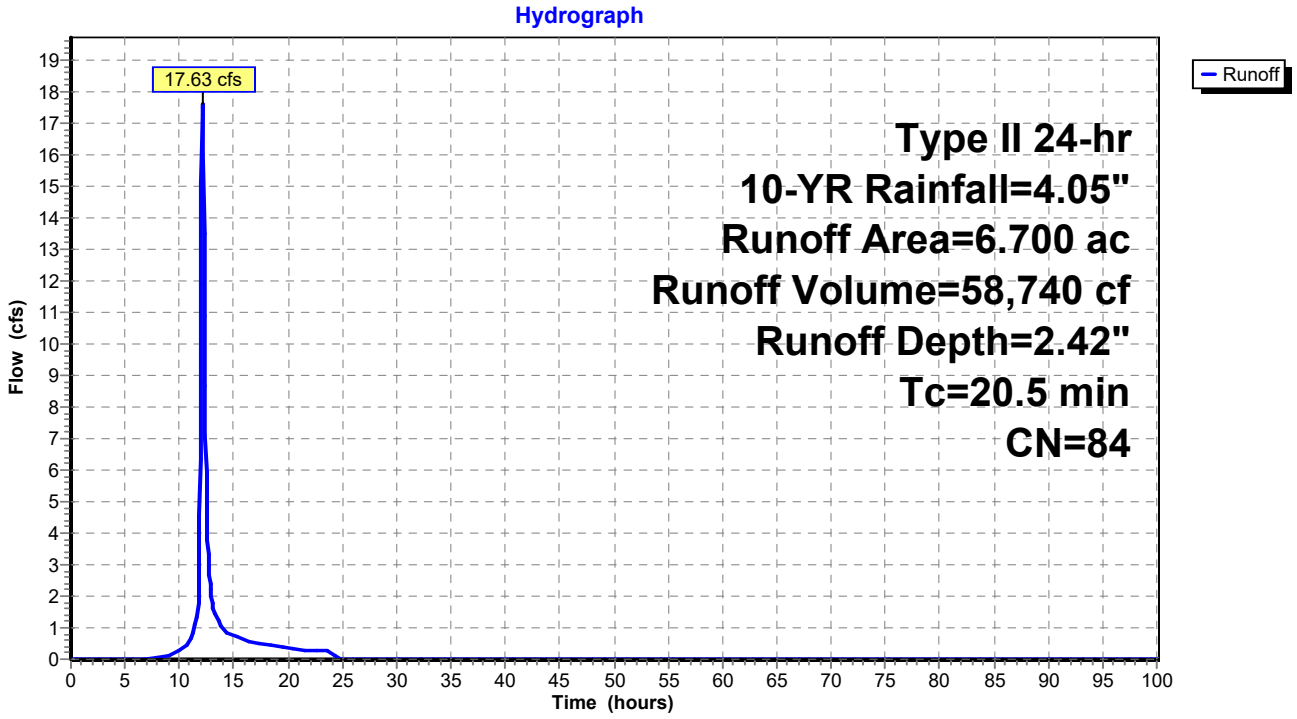
Runoff = 17.63 cfs @ 12.13 hrs, Volume= 58,740 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.05"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 44



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=3.86"
Tc=38.9 min CN=79 Runoff=247.73 cfs 1,236,843 cf

Subcatchment2S: POST - 45 Runoff Area=88.300 ac 0.00% Impervious Runoff Depth=3.86"
Tc=38.7 min CN=79 Runoff=248.98 cfs 1,236,843 cf

Subcatchment3S: PRE - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=4.28"
Tc=27.2 min CN=83 Runoff=38.76 cfs 153,715 cf

Subcatchment4S: POST - 31 Runoff Area=9.900 ac 0.00% Impervious Runoff Depth=4.28"
Tc=28.3 min CN=83 Runoff=37.79 cfs 153,715 cf

Subcatchment5S: PRE - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=3.96"
Tc=47.5 min CN=80 Runoff=117.64 cfs 675,990 cf

Subcatchment6S: POST - 32 Runoff Area=47.000 ac 0.00% Impervious Runoff Depth=4.28"
Tc=47.4 min CN=83 Runoff=126.94 cfs 729,760 cf

Subcatchment7S: PRE - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=3.65"
Tc=22.2 min CN=77 Runoff=209.74 cfs 729,583 cf

Subcatchment8S: POST - 33 Runoff Area=55.000 ac 0.00% Impervious Runoff Depth=3.76"
Tc=20.5 min CN=78 Runoff=225.00 cfs 749,910 cf

Subcatchment9S: PRE - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=3.96"
Tc=19.7 min CN=80 Runoff=216.77 cfs 707,632 cf

Subcatchment10S: POST - 34 Runoff Area=49.200 ac 0.00% Impervious Runoff Depth=3.96"
Tc=20.2 min CN=80 Runoff=213.40 cfs 707,632 cf

Subcatchment11S: PRE - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=3.96"
Tc=50.0 min CN=80 Runoff=151.81 cfs 901,800 cf

Subcatchment12S: POST - 35 Runoff Area=62.700 ac 0.00% Impervious Runoff Depth=3.96"
Tc=50.0 min CN=80 Runoff=151.81 cfs 901,800 cf

Subcatchment13S: PRE - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=4.17"
Tc=53.5 min CN=82 Runoff=147.60 cfs 922,180 cf

Subcatchment14S: POST - 36 Runoff Area=60.900 ac 0.00% Impervious Runoff Depth=4.28"
Tc=67.6 min CN=83 Runoff=127.50 cfs 945,582 cf

Subcatchment15S: PRE - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=4.28"
Tc=18.6 min CN=83 Runoff=58.92 cfs 187,874 cf

Subcatchment16S: POST - 37 Runoff Area=12.100 ac 0.00% Impervious Runoff Depth=4.38"
Tc=19.8 min CN=84 Runoff=58.20 cfs 192,559 cf

Subcatchment17S: PRE - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=4.17"
Tc=23.5 min CN=82 Runoff=89.04 cfs 322,536 cf

Subcatchment18S: POST - 38 Runoff Area=21.300 ac 0.00% Impervious Runoff Depth=4.17"
Tc=25.5 min CN=82 Runoff=84.70 cfs 322,536 cf

Subcatchment19S: PRE - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=3.16"
Tc=38.6 min CN=72 Runoff=61.83 cfs 309,474 cf

Subcatchment20S: POST - 39 Runoff Area=27.000 ac 0.00% Impervious Runoff Depth=3.26"
Tc=39.9 min CN=73 Runoff=62.57 cfs 319,048 cf

Subcatchment21S: PRE - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=4.38"
Tc=14.8 min CN=84 Runoff=15.54 cfs 44,559 cf

Subcatchment22S: POST - 40 Runoff Area=2.800 ac 0.00% Impervious Runoff Depth=4.49"
Tc=15.7 min CN=85 Runoff=15.41 cfs 45,651 cf

Subcatchment23S: PRE - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=4.38"
Tc=32.5 min CN=84 Runoff=5.73 cfs 25,462 cf

Subcatchment24S: POST - 41 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth=4.38"
Tc=33.1 min CN=84 Runoff=5.66 cfs 25,462 cf

Subcatchment25S: PRE - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=2.96"
Tc=23.4 min CN=70 Runoff=137.59 cfs 497,203 cf

Subcatchment26S: POST - 42 Runoff Area=46.200 ac 0.00% Impervious Runoff Depth=3.16"
Tc=23.4 min CN=72 Runoff=147.10 cfs 529,544 cf

Subcatchment27S: PRE - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=2.50"
Tc=29.4 min CN=65 Runoff=32.94 cfs 140,538 cf

Subcatchment28S: POST - 43 Runoff Area=15.500 ac 0.00% Impervious Runoff Depth=2.78"
Tc=25.6 min CN=68 Runoff=40.61 cfs 156,153 cf

Subcatchment29S: PRE - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=4.38"
Tc=19.3 min CN=84 Runoff=32.67 cfs 106,624 cf

Subcatchment30S: POST - 44 Runoff Area=6.700 ac 0.00% Impervious Runoff Depth=4.38"
Tc=20.5 min CN=84 Runoff=31.57 cfs 106,624 cf

Total Runoff Area = 44,100,144 sf Runoff Volume = 14,084,833 cf Average Runoff Depth = 3.83"
100.00% Pervious = 44,100,144 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 45

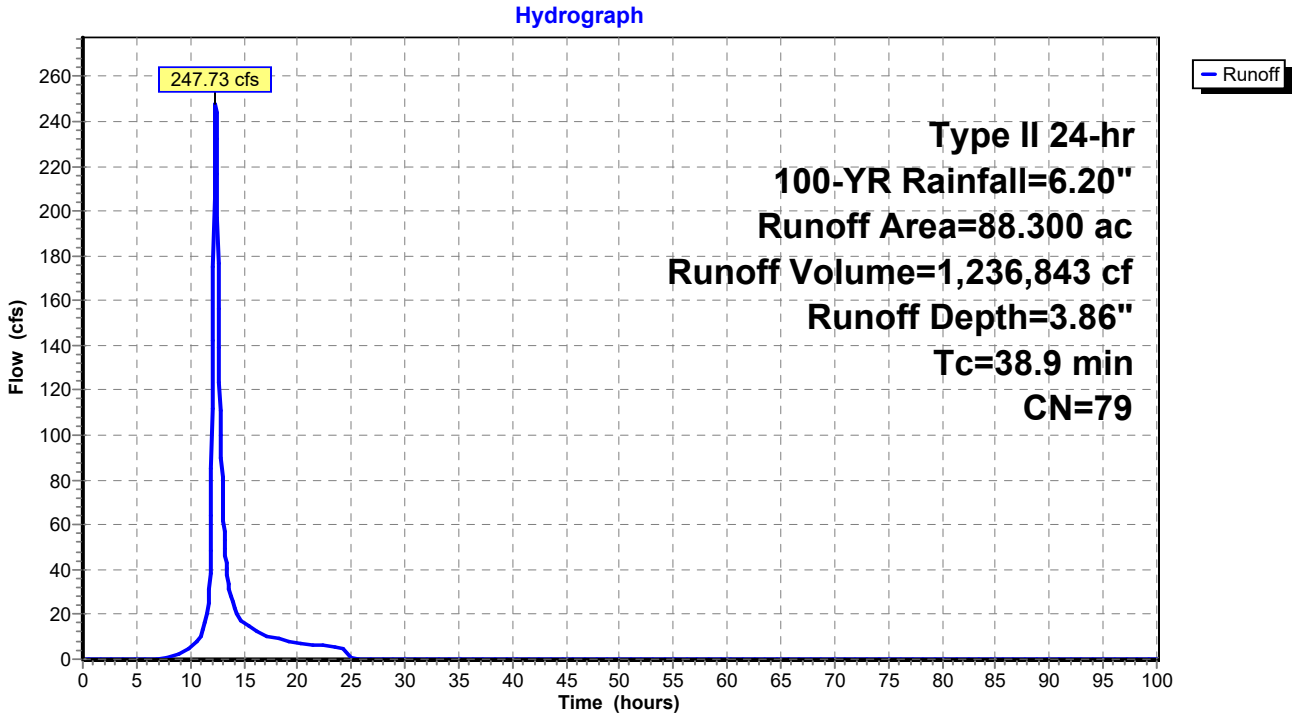
Runoff = 247.73 cfs @ 12.35 hrs, Volume= 1,236,843 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 1S: PRE - 45



Summary for Subcatchment 2S: POST - 45

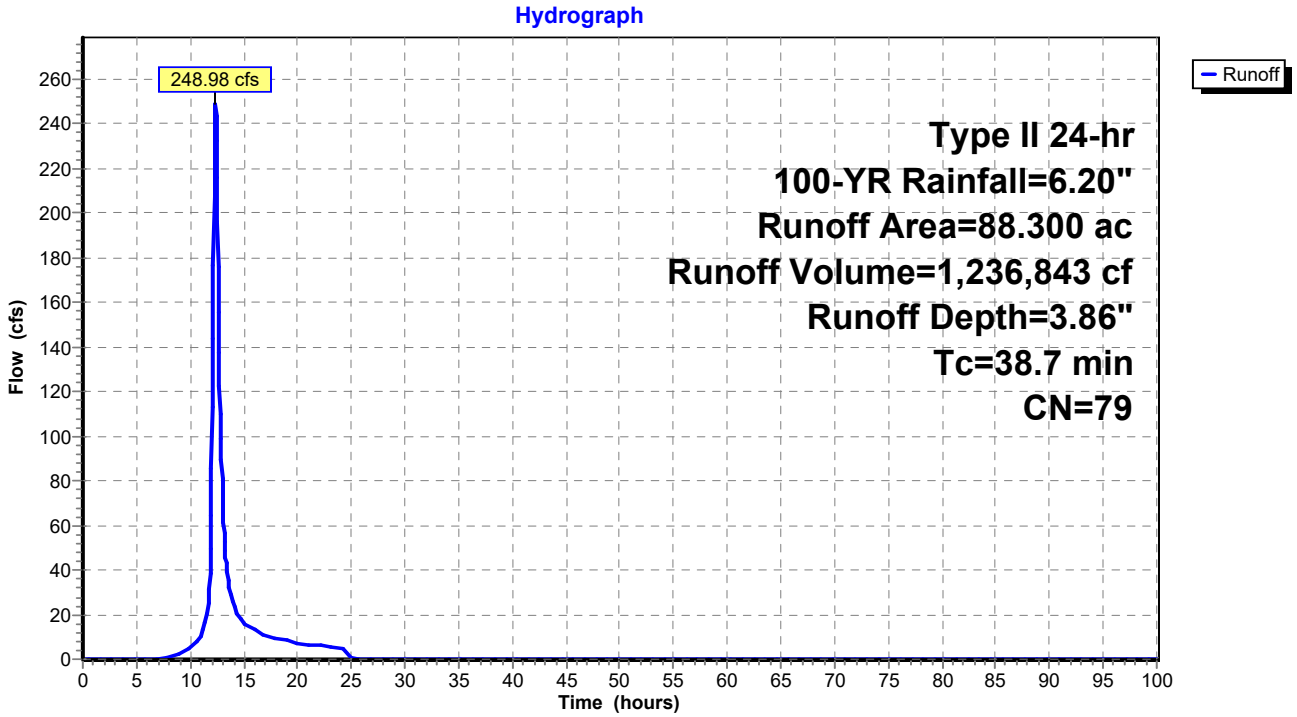
Runoff = 248.98 cfs @ 12.35 hrs, Volume= 1,236,843 cf, Depth= 3.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	88.300	79	
	88.300		100.00% Pervious Area

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

Subcatchment 2S: POST - 45



Summary for Subcatchment 3S: PRE - 31

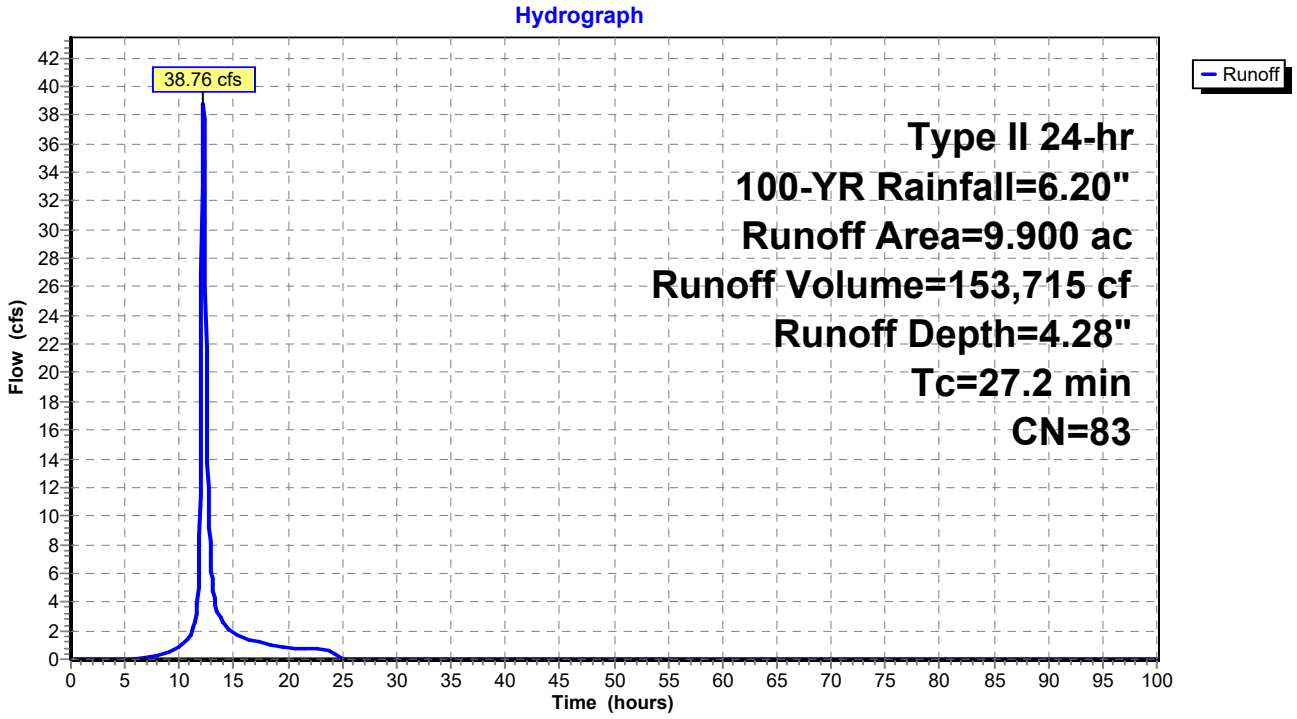
Runoff = 38.76 cfs @ 12.20 hrs, Volume= 153,715 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 3S: PRE - 31



Summary for Subcatchment 4S: POST - 31

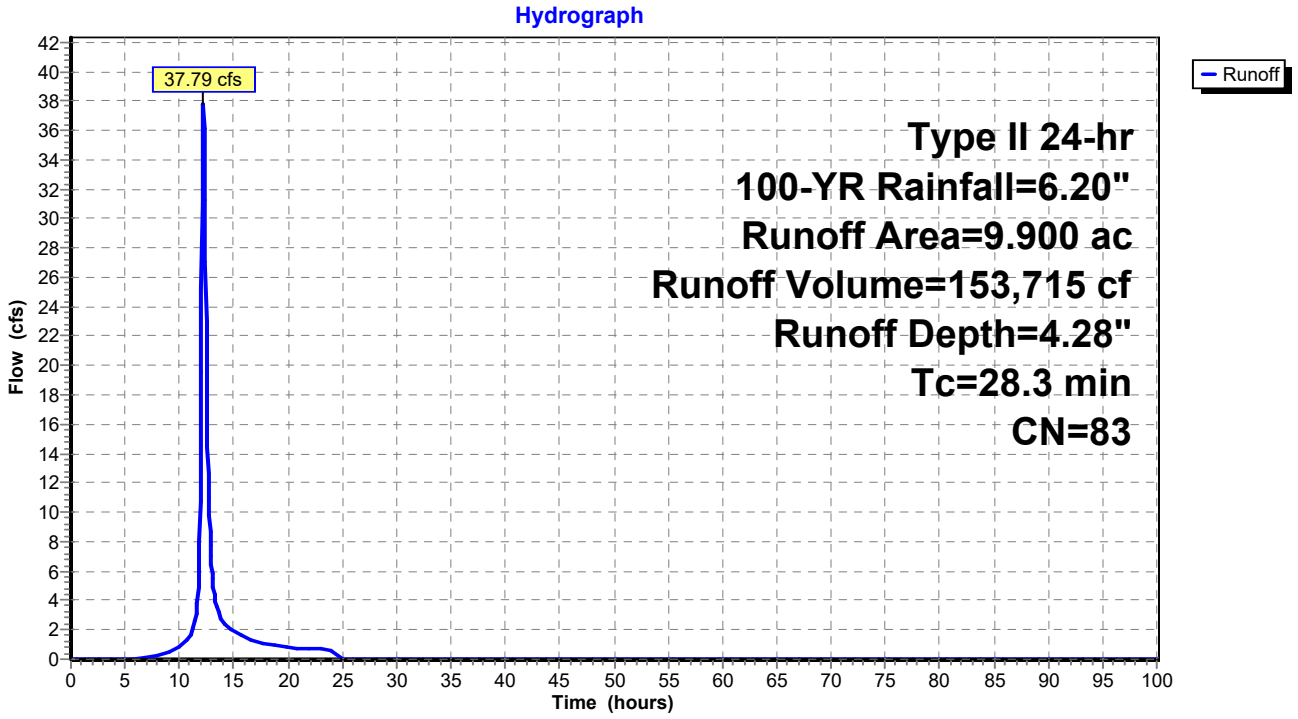
Runoff = 37.79 cfs @ 12.22 hrs, Volume= 153,715 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	9.900	83	
	9.900		100.00% Pervious Area

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

Subcatchment 4S: POST - 31



Summary for Subcatchment 5S: PRE - 32

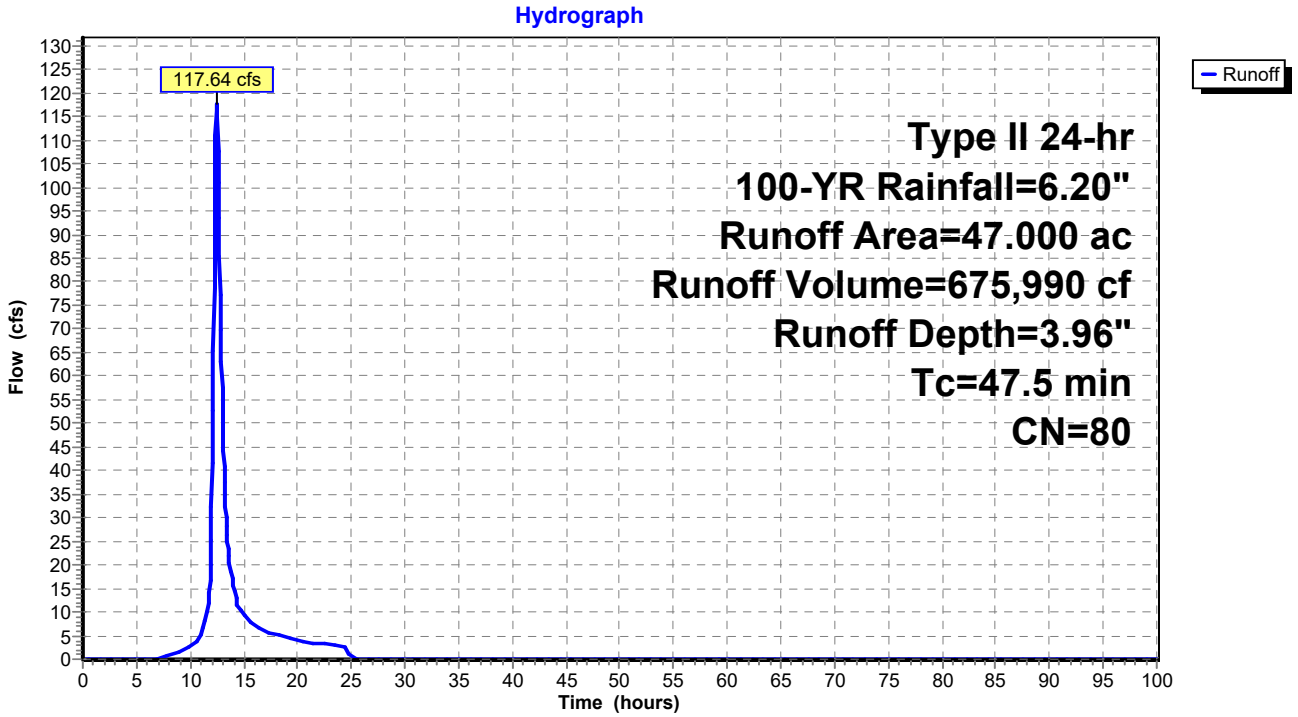
Runoff = 117.64 cfs @ 12.46 hrs, Volume= 675,990 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	47.000	80	
	47.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 32



Summary for Subcatchment 6S: POST - 32

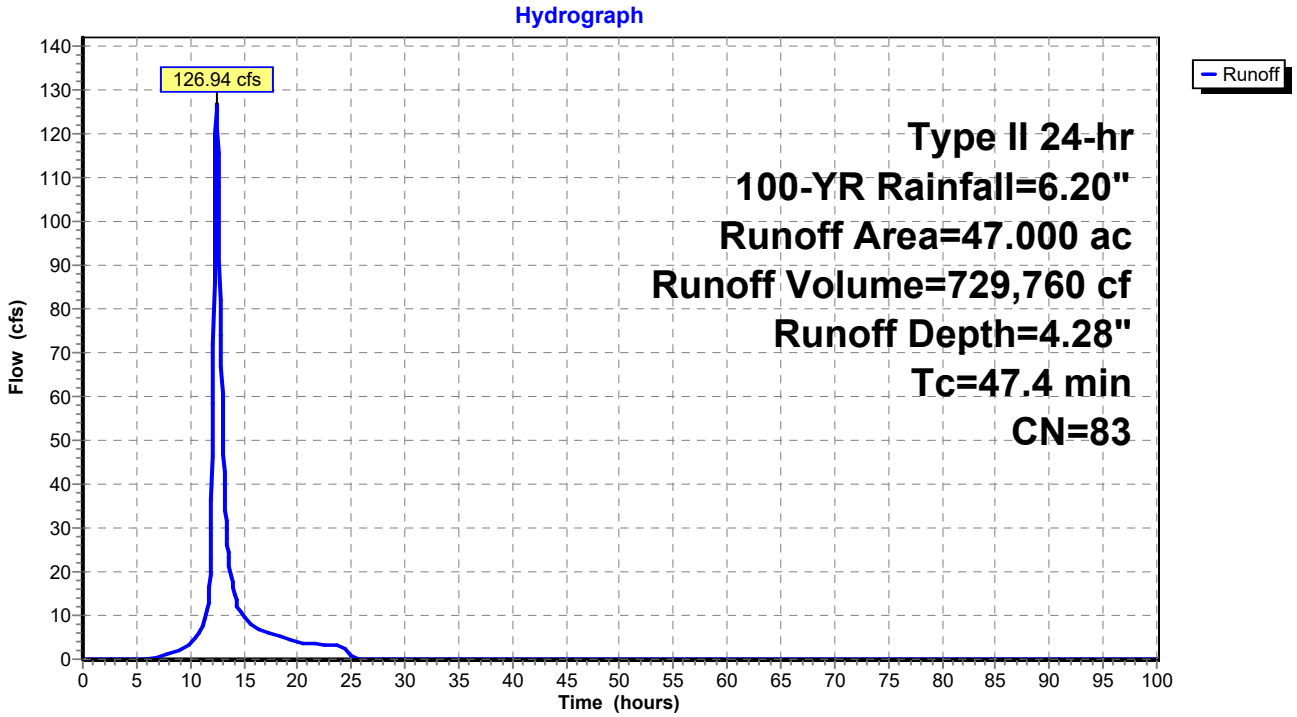
Runoff = 126.94 cfs @ 12.45 hrs, Volume= 729,760 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	47.000	83	
	47.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 32



Summary for Subcatchment 7S: PRE - 33

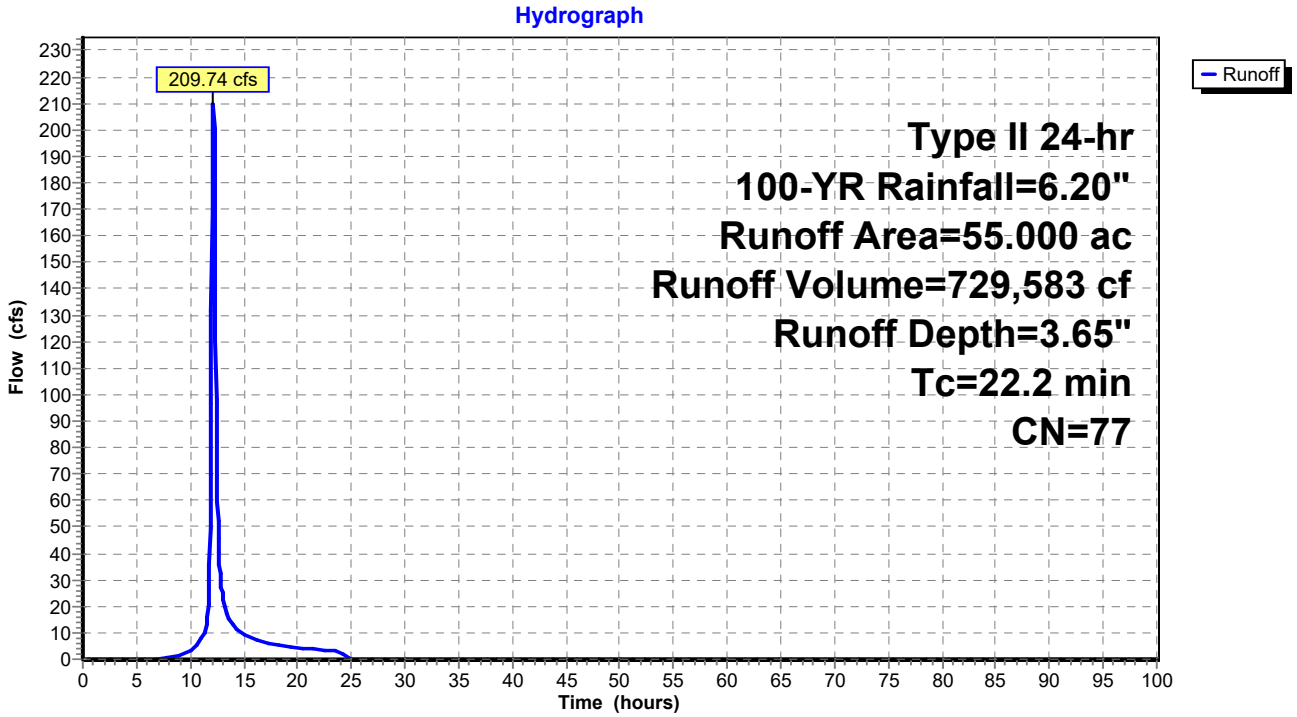
Runoff = 209.74 cfs @ 12.15 hrs, Volume= 729,583 cf, Depth= 3.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	55.000	77	
	55.000		100.00% Pervious Area

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

Subcatchment 7S: PRE - 33



Summary for Subcatchment 8S: POST - 33

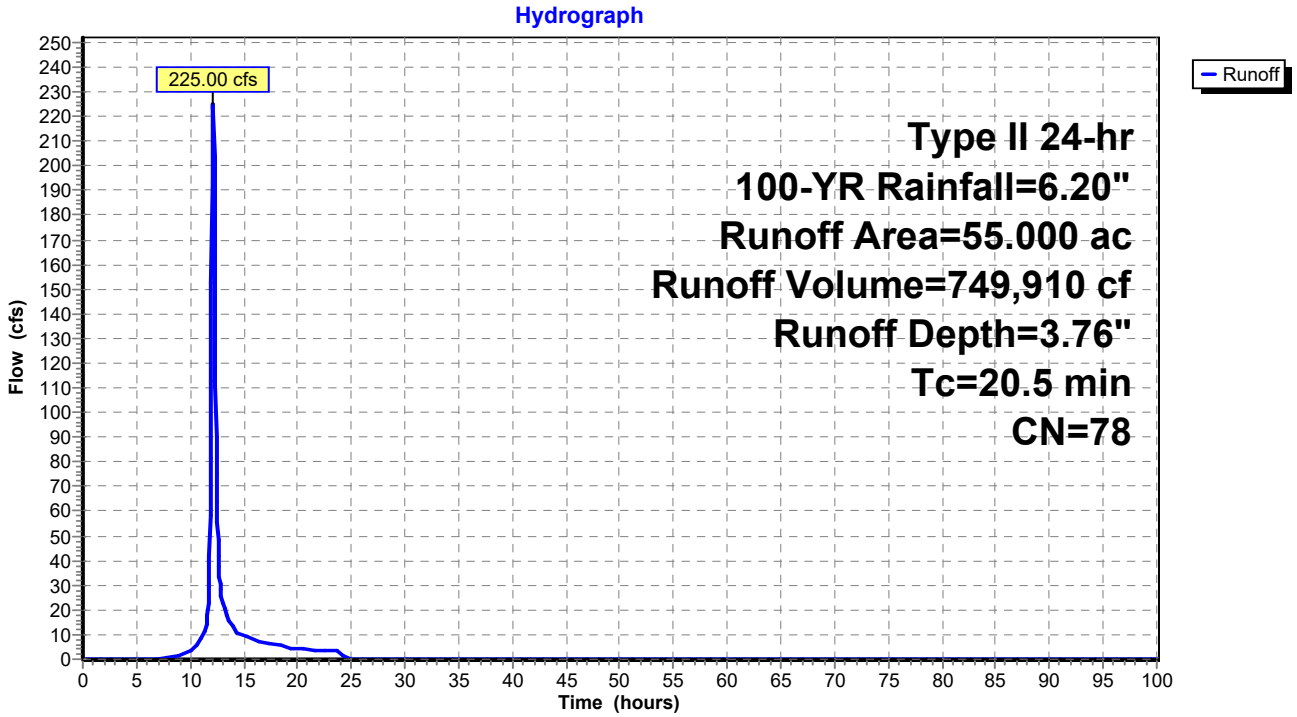
Runoff = 225.00 cfs @ 12.13 hrs, Volume= 749,910 cf, Depth= 3.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	55.000	78	
	55.000		100.00% Pervious Area

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

Subcatchment 8S: POST - 33



Summary for Subcatchment 9S: PRE - 34

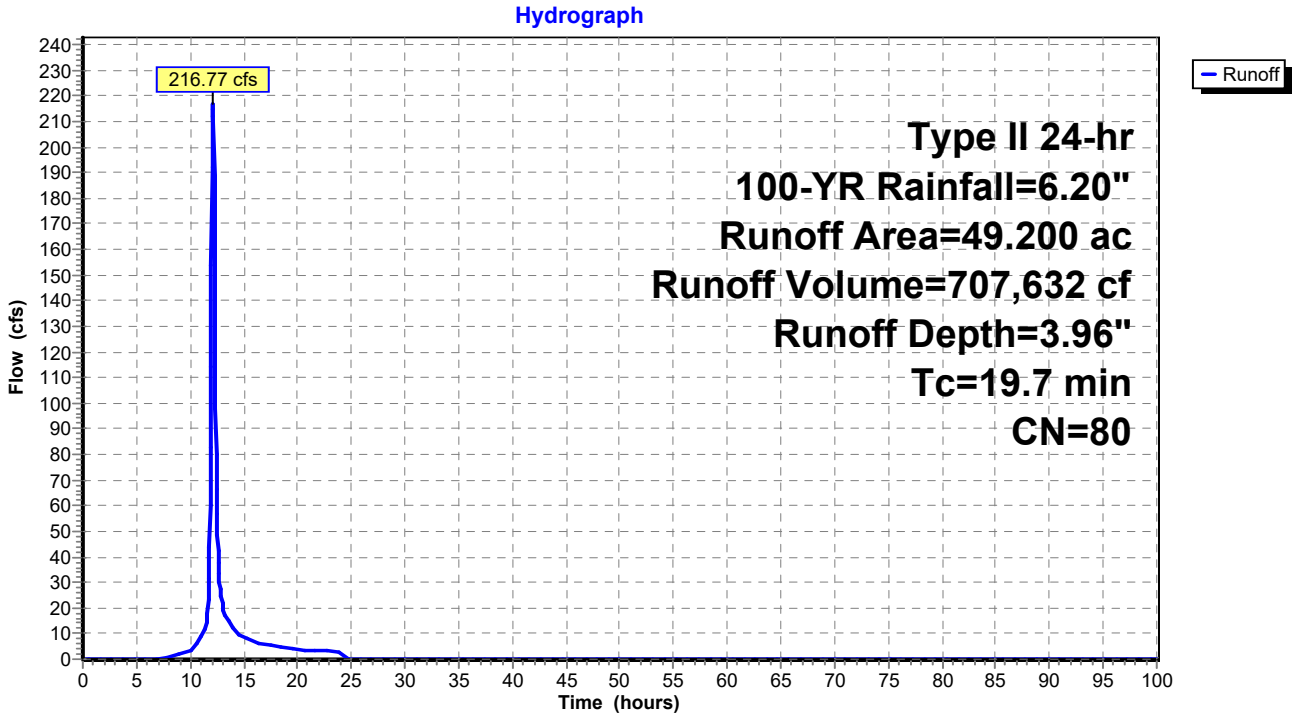
Runoff = 216.77 cfs @ 12.12 hrs, Volume= 707,632 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 9S: PRE - 34



Summary for Subcatchment 10S: POST - 34

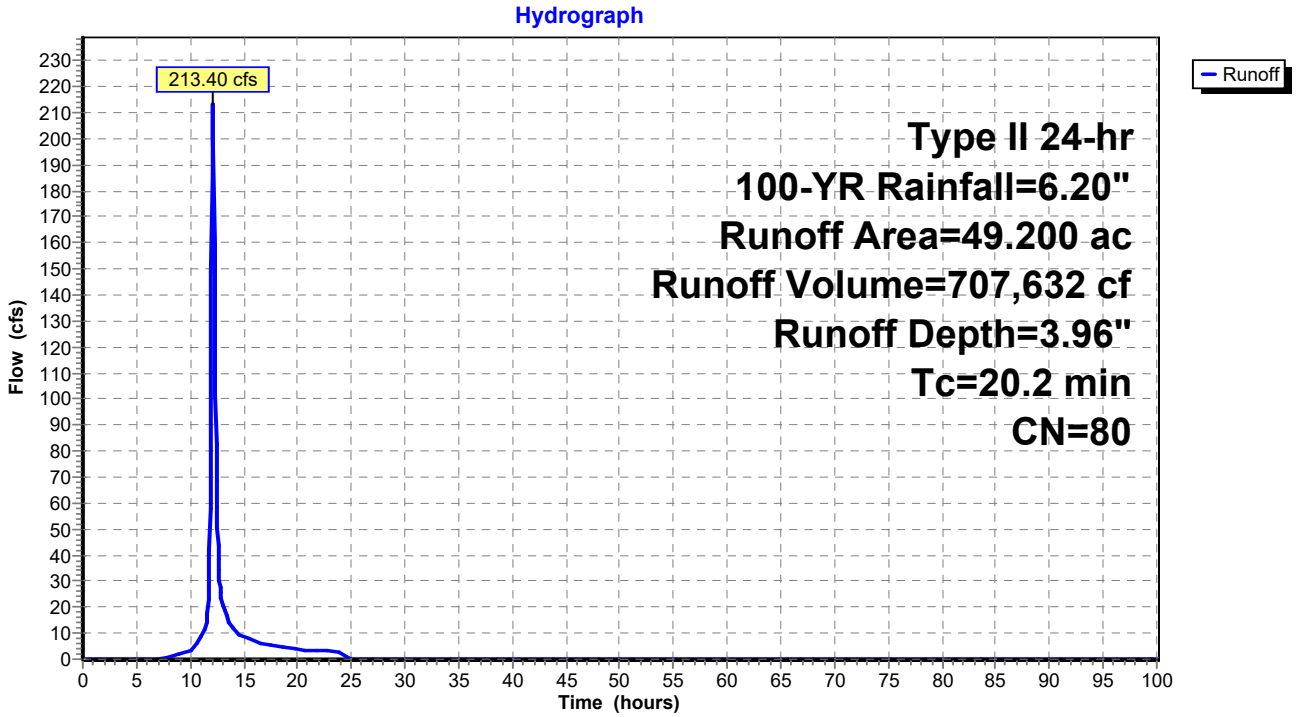
Runoff = 213.40 cfs @ 12.13 hrs, Volume= 707,632 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	49.200	80	
	49.200		100.00% Pervious Area

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

Subcatchment 10S: POST - 34



Summary for Subcatchment 11S: PRE - 35

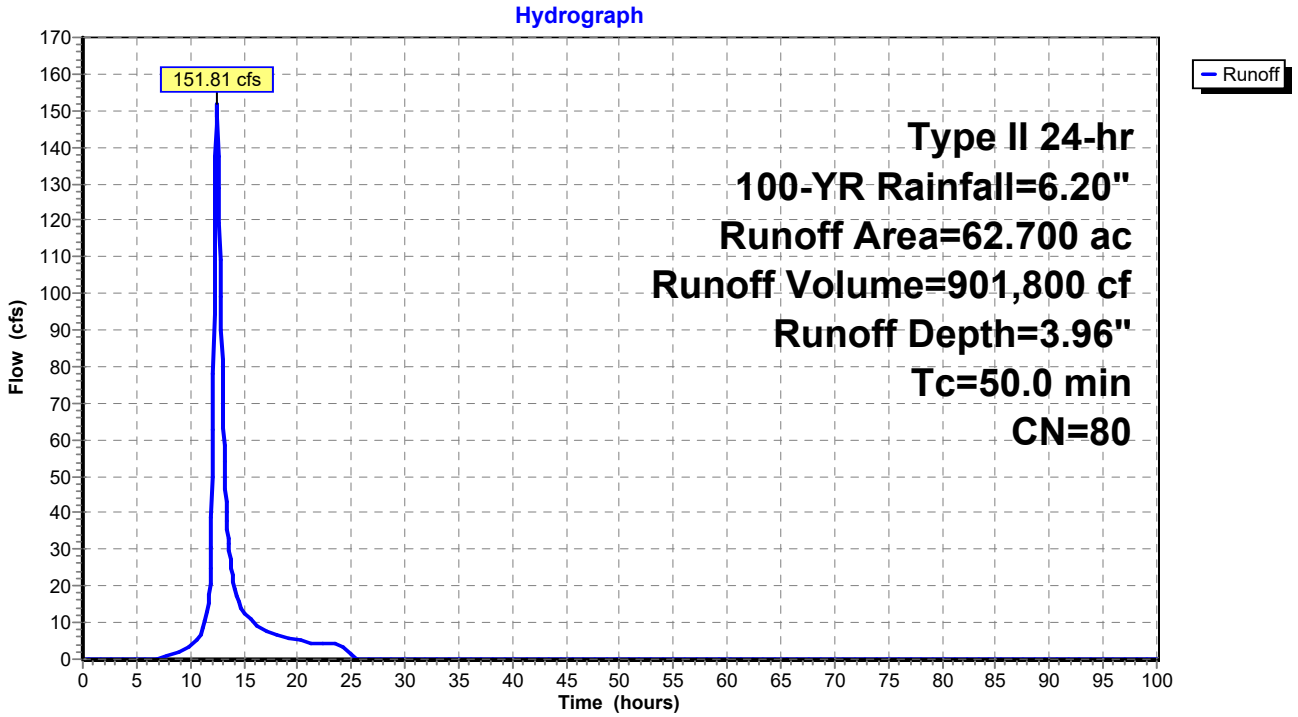
Runoff = 151.81 cfs @ 12.49 hrs, Volume= 901,800 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 11S: PRE - 35



Summary for Subcatchment 12S: POST - 35

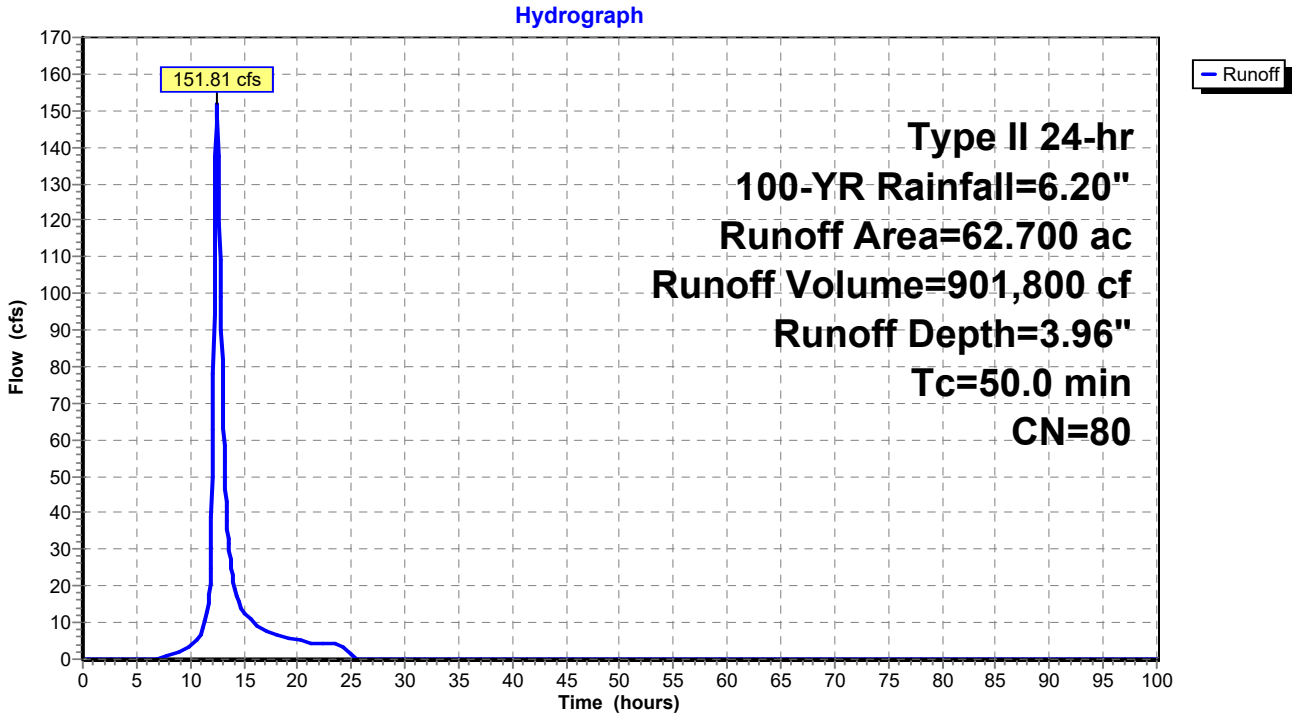
Runoff = 151.81 cfs @ 12.49 hrs, Volume= 901,800 cf, Depth= 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	62.700	80	
	62.700		100.00% Pervious Area

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

Subcatchment 12S: POST - 35



Summary for Subcatchment 13S: PRE - 36

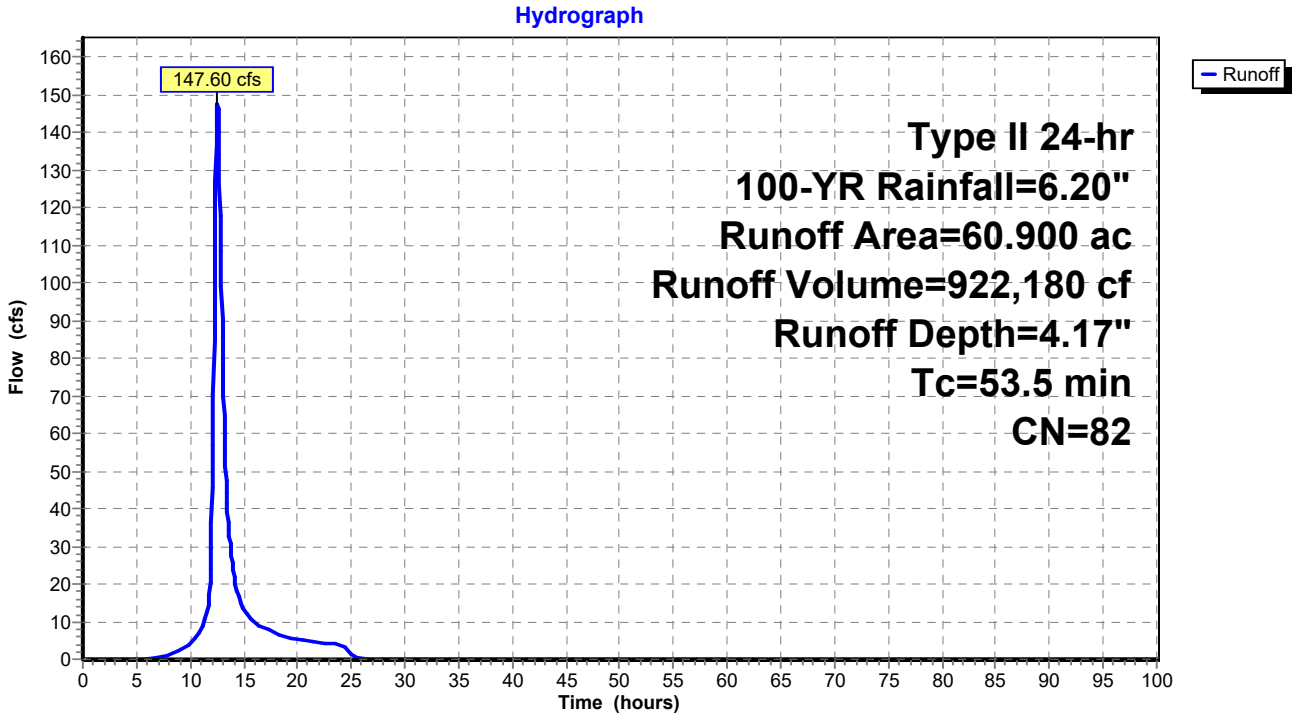
Runoff = 147.60 cfs @ 12.53 hrs, Volume= 922,180 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	60.900	82	
	60.900		100.00% Pervious Area

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

Subcatchment 13S: PRE - 36



Summary for Subcatchment 14S: POST - 36

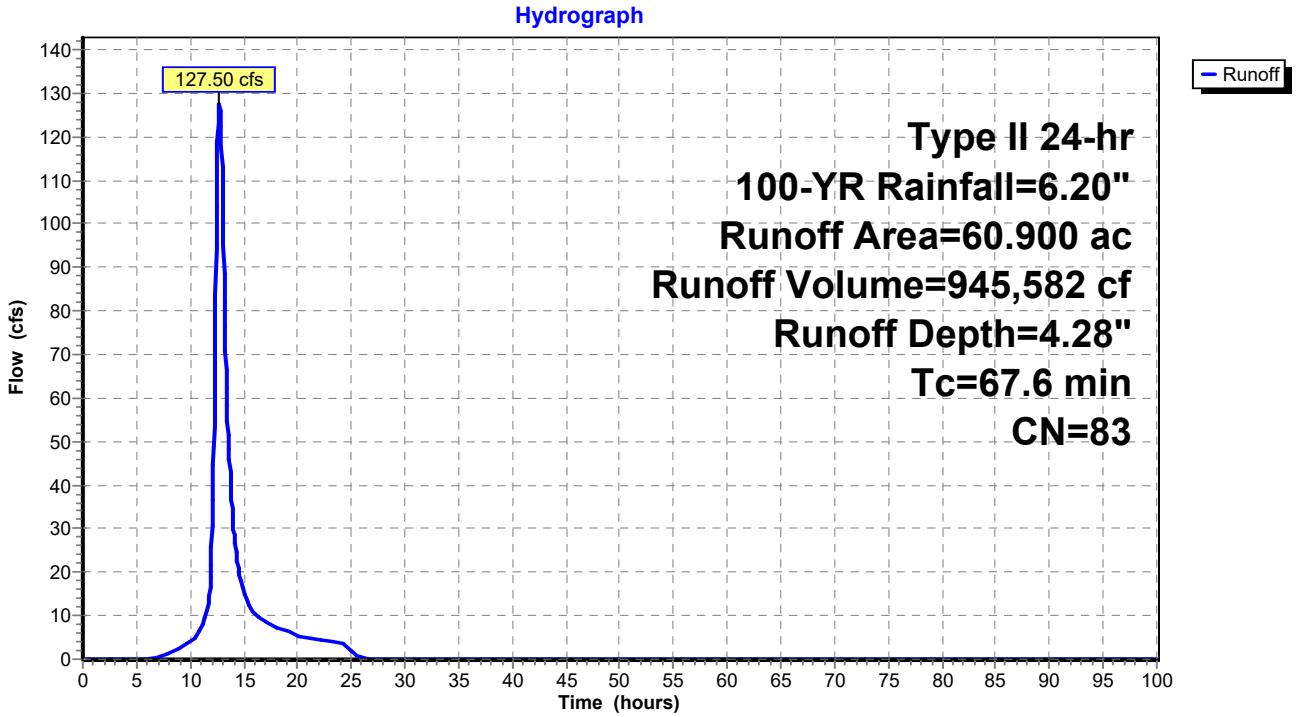
Runoff = 127.50 cfs @ 12.71 hrs, Volume= 945,582 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	60.900	83	
	60.900		100.00% Pervious Area

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

Subcatchment 14S: POST - 36



Summary for Subcatchment 15S: PRE - 37

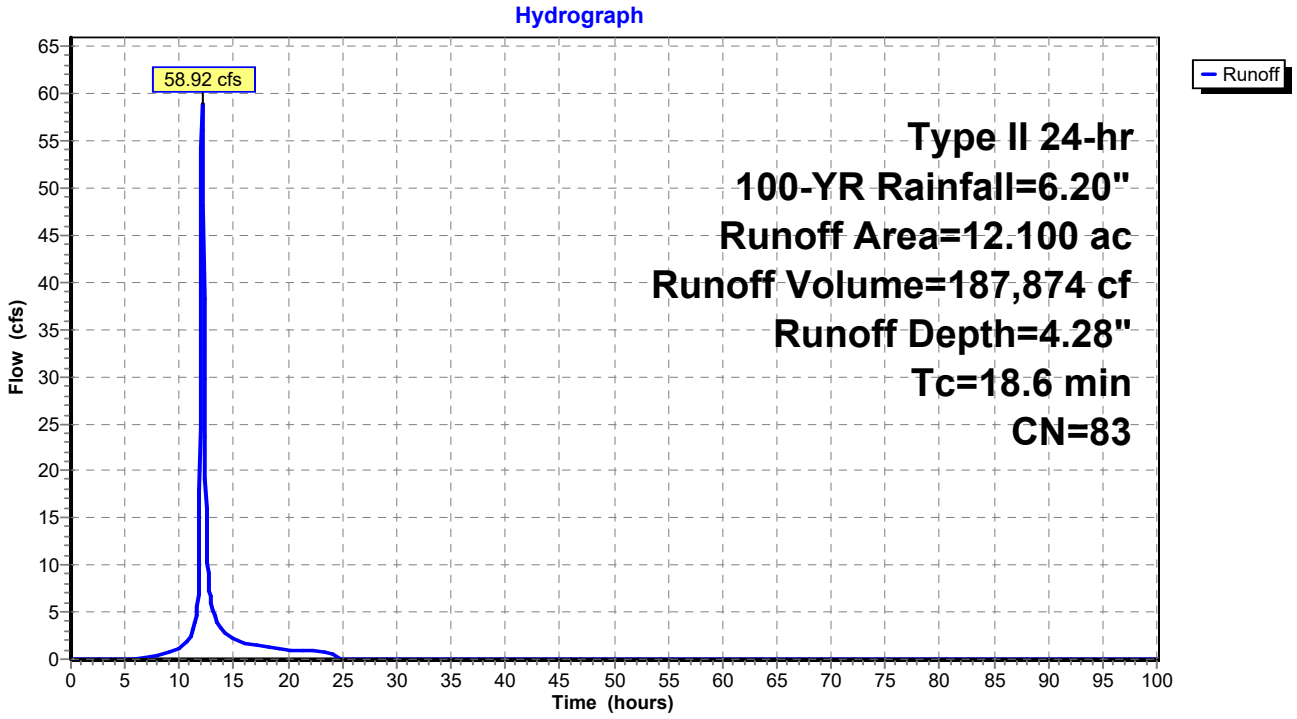
Runoff = 58.92 cfs @ 12.11 hrs, Volume= 187,874 cf, Depth= 4.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	12.100	83	
	12.100		100.00% Pervious Area

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

Subcatchment 15S: PRE - 37



Summary for Subcatchment 16S: POST - 37

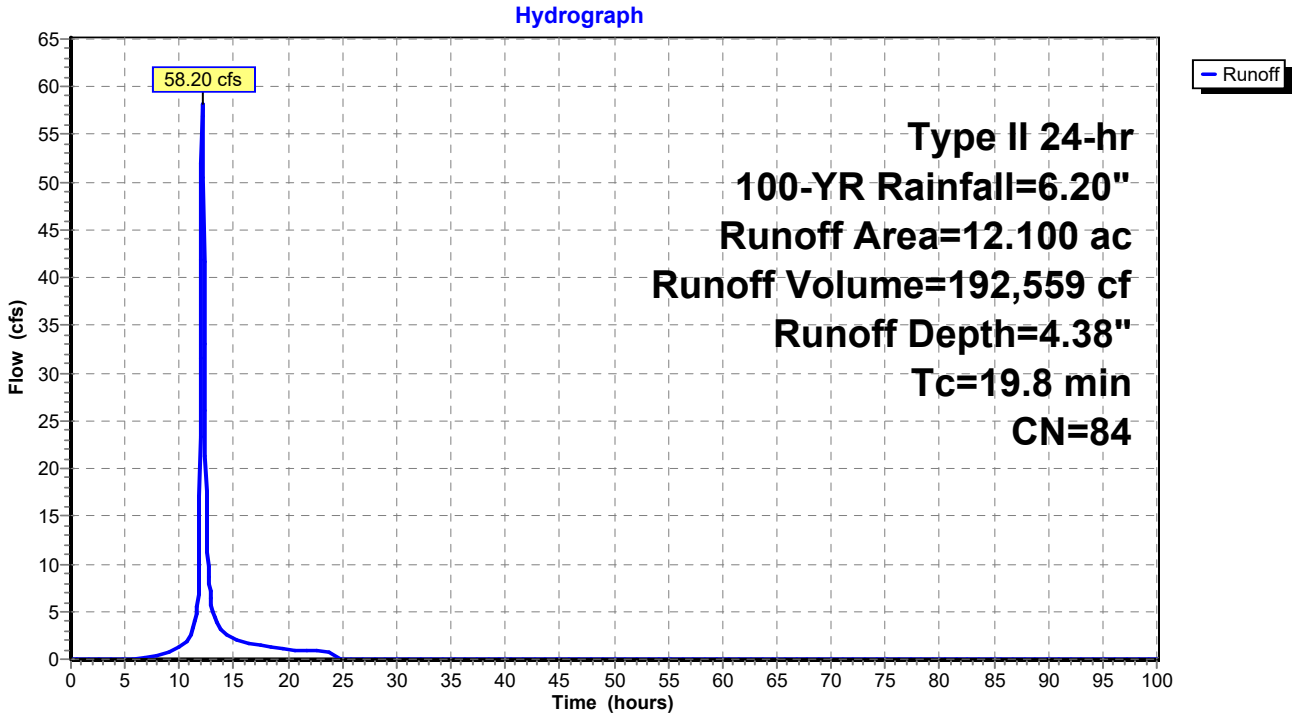
Runoff = 58.20 cfs @ 12.12 hrs, Volume= 192,559 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	12.100	84	
	12.100		100.00% Pervious Area

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

Subcatchment 16S: POST - 37



Summary for Subcatchment 17S: PRE - 38

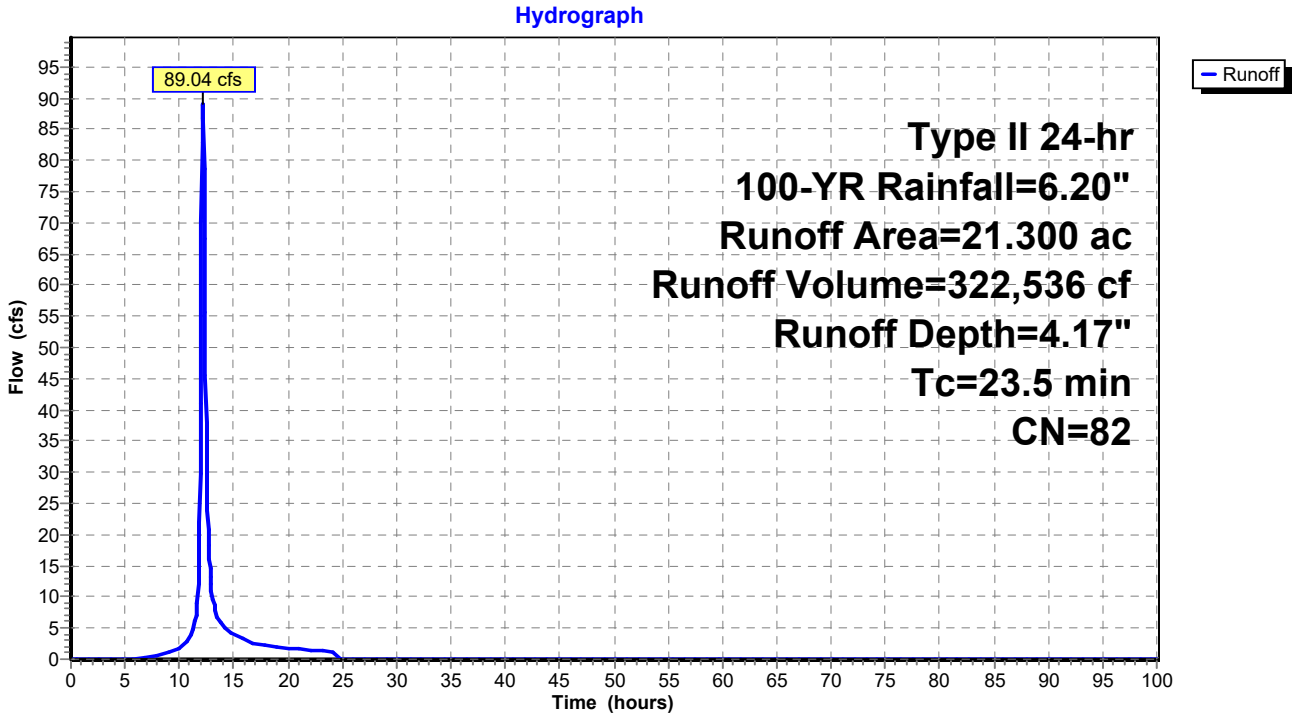
Runoff = 89.04 cfs @ 12.16 hrs, Volume= 322,536 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 17S: PRE - 38



Summary for Subcatchment 18S: POST - 38

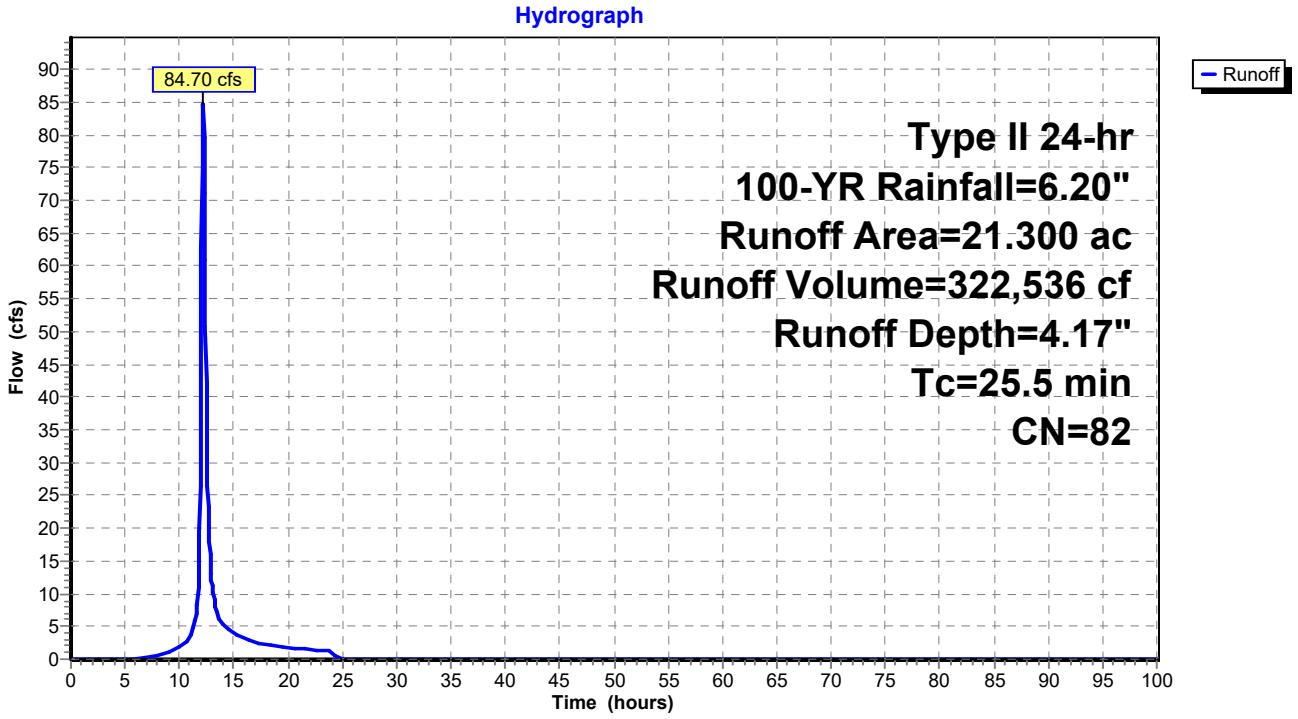
Runoff = 84.70 cfs @ 12.19 hrs, Volume= 322,536 cf, Depth= 4.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	21.300	82	
	21.300		100.00% Pervious Area

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

Subcatchment 18S: POST - 38



Summary for Subcatchment 19S: PRE - 39

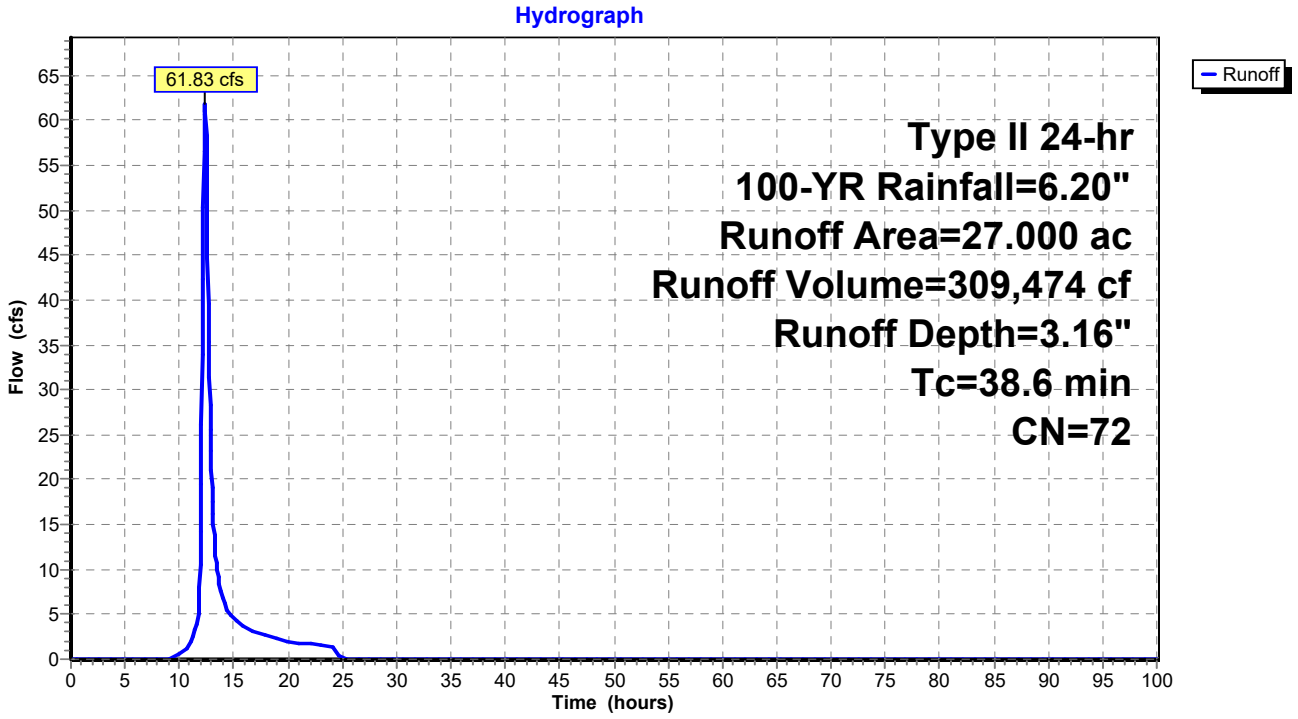
Runoff = 61.83 cfs @ 12.36 hrs, Volume= 309,474 cf, Depth= 3.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	27.000	72	
	27.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 39



Summary for Subcatchment 20S: POST - 39

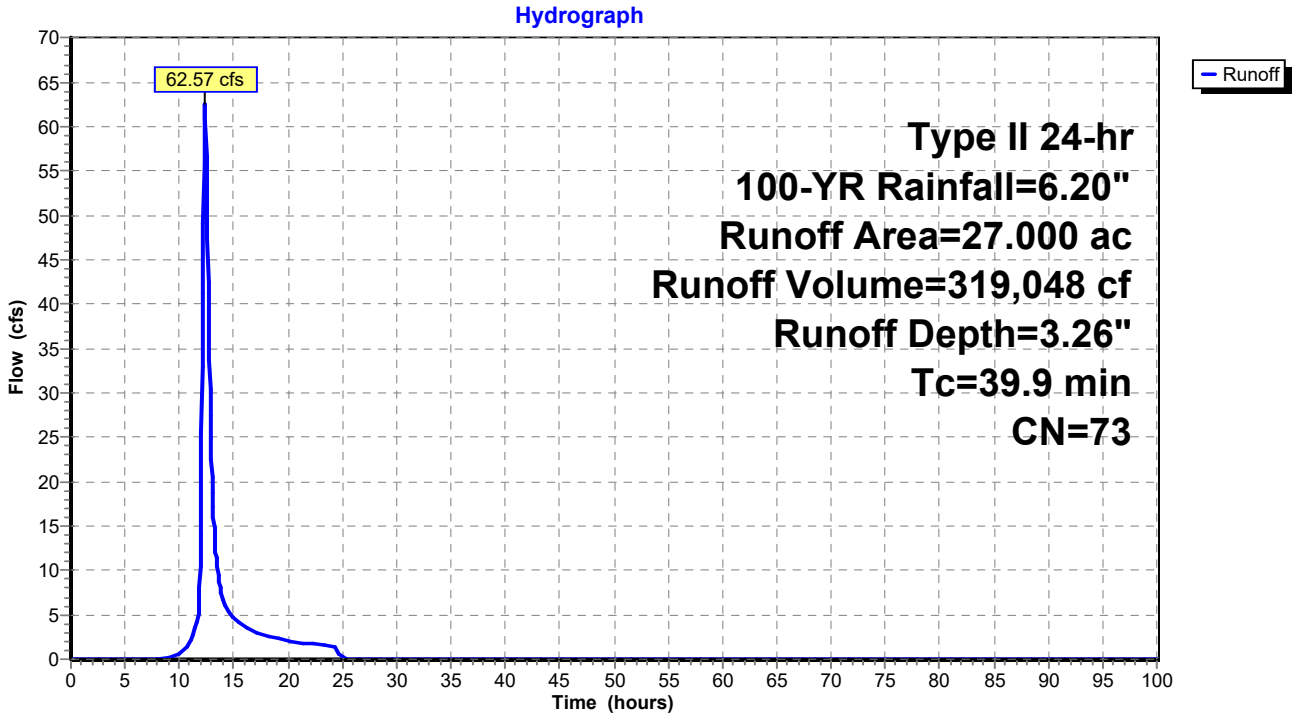
Runoff = 62.57 cfs @ 12.37 hrs, Volume= 319,048 cf, Depth= 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	27.000	73	
	27.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 39



Summary for Subcatchment 21S: PRE - 40

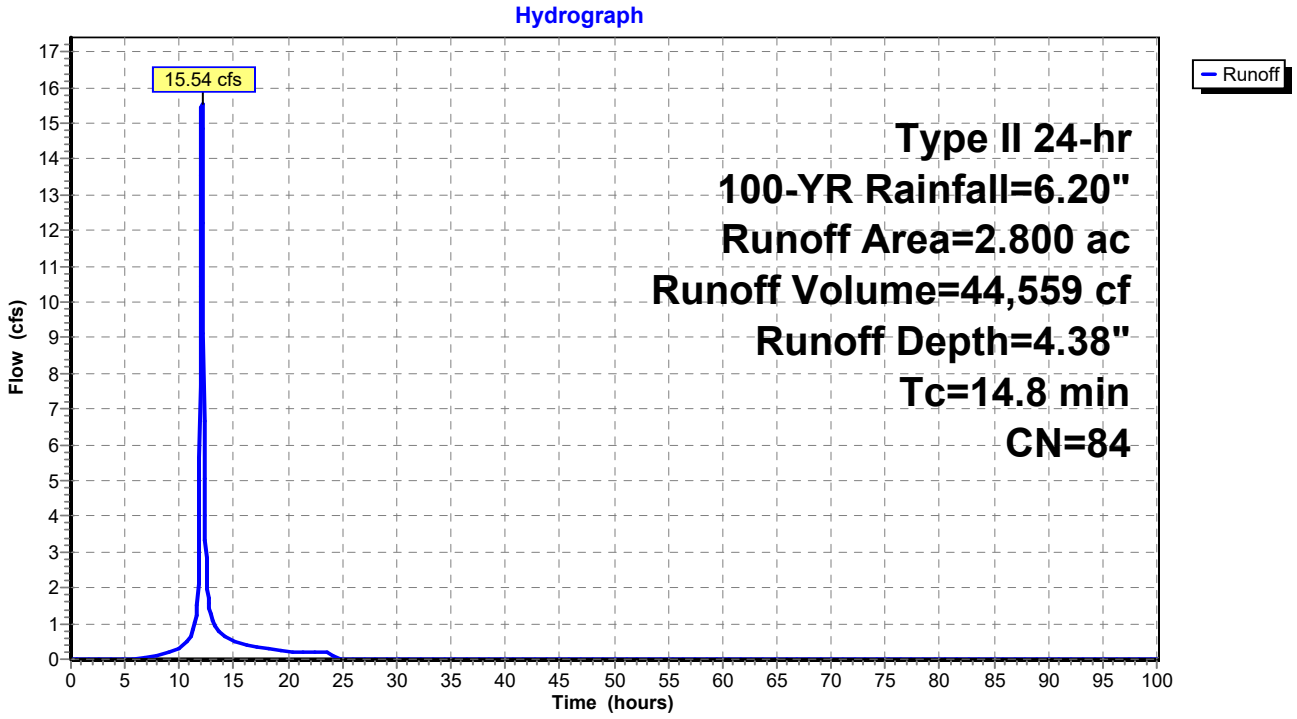
Runoff = 15.54 cfs @ 12.06 hrs, Volume= 44,559 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	2.800	84	
	2.800		100.00% Pervious Area

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

Subcatchment 21S: PRE - 40



Summary for Subcatchment 22S: POST - 40

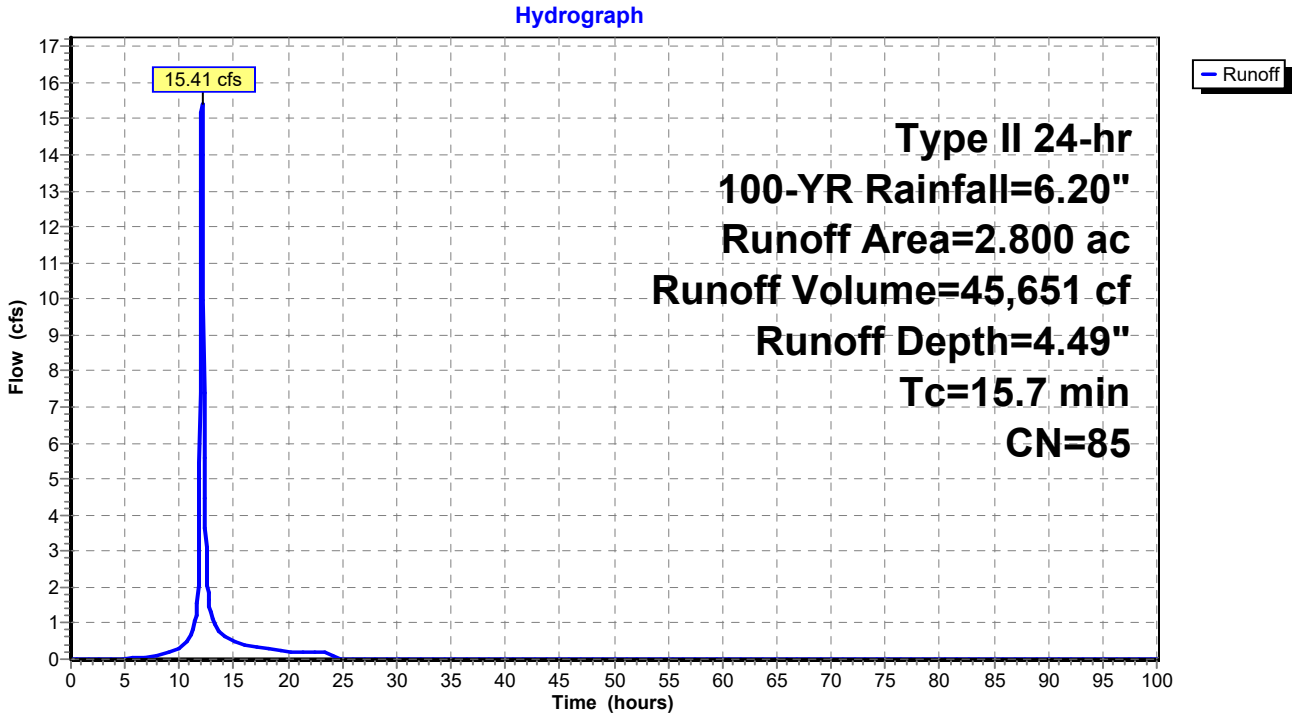
Runoff = 15.41 cfs @ 12.07 hrs, Volume= 45,651 cf, Depth= 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	2.800	85	
	2.800		100.00% Pervious Area

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

Subcatchment 22S: POST - 40



Summary for Subcatchment 23S: PRE - 41

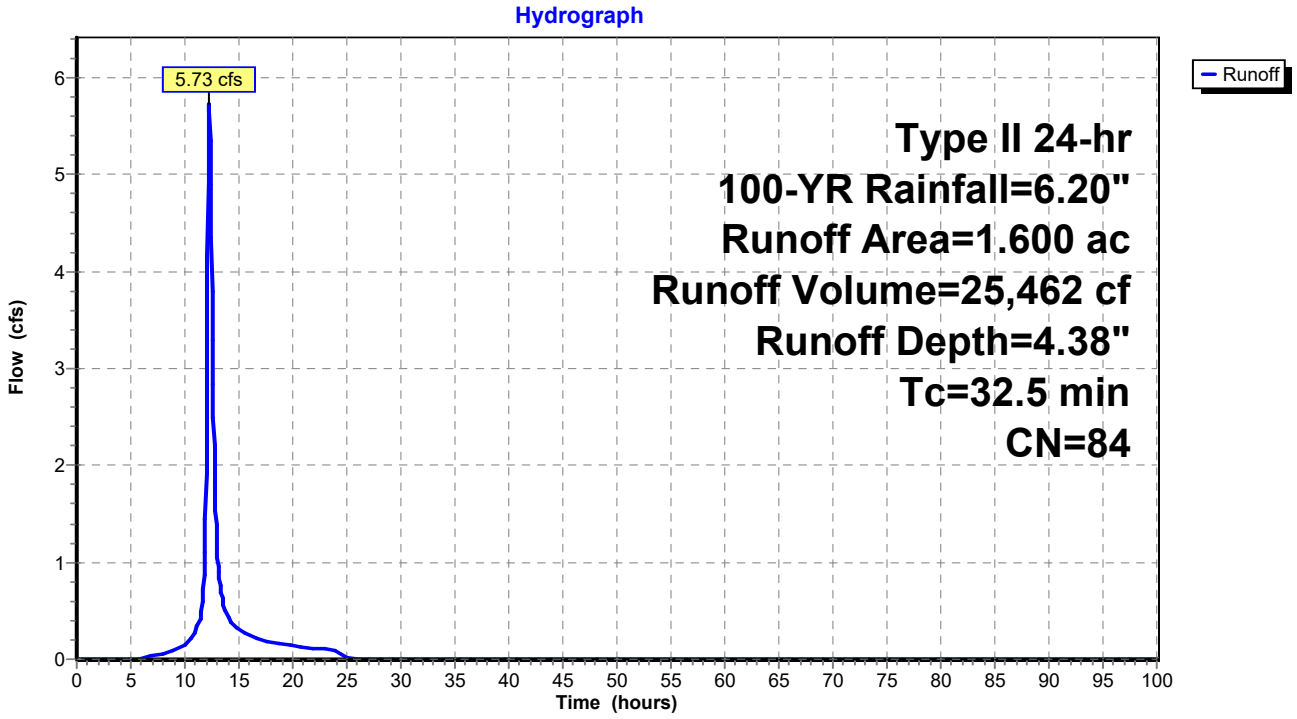
Runoff = 5.73 cfs @ 12.27 hrs, Volume= 25,462 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 23S: PRE - 41



Summary for Subcatchment 24S: POST - 41

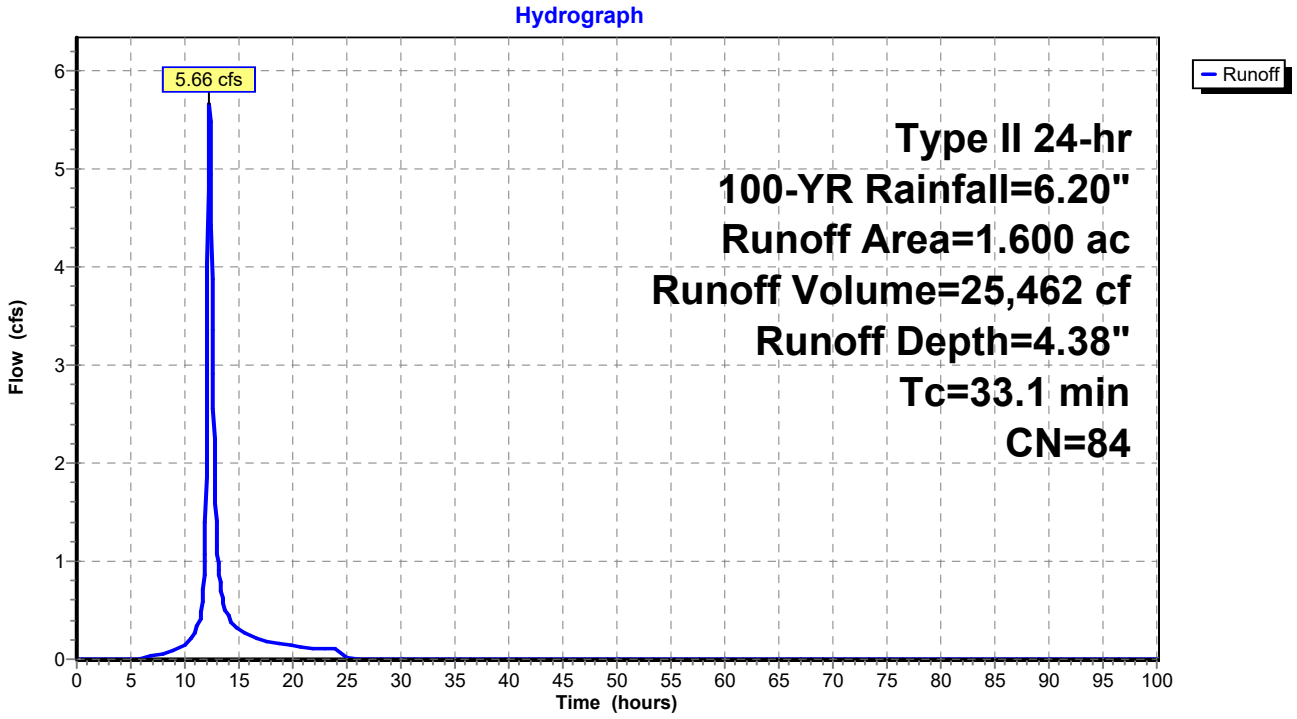
Runoff = 5.66 cfs @ 12.27 hrs, Volume= 25,462 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	1.600	84	
	1.600		100.00% Pervious Area

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

Subcatchment 24S: POST - 41



Summary for Subcatchment 25S: PRE - 42

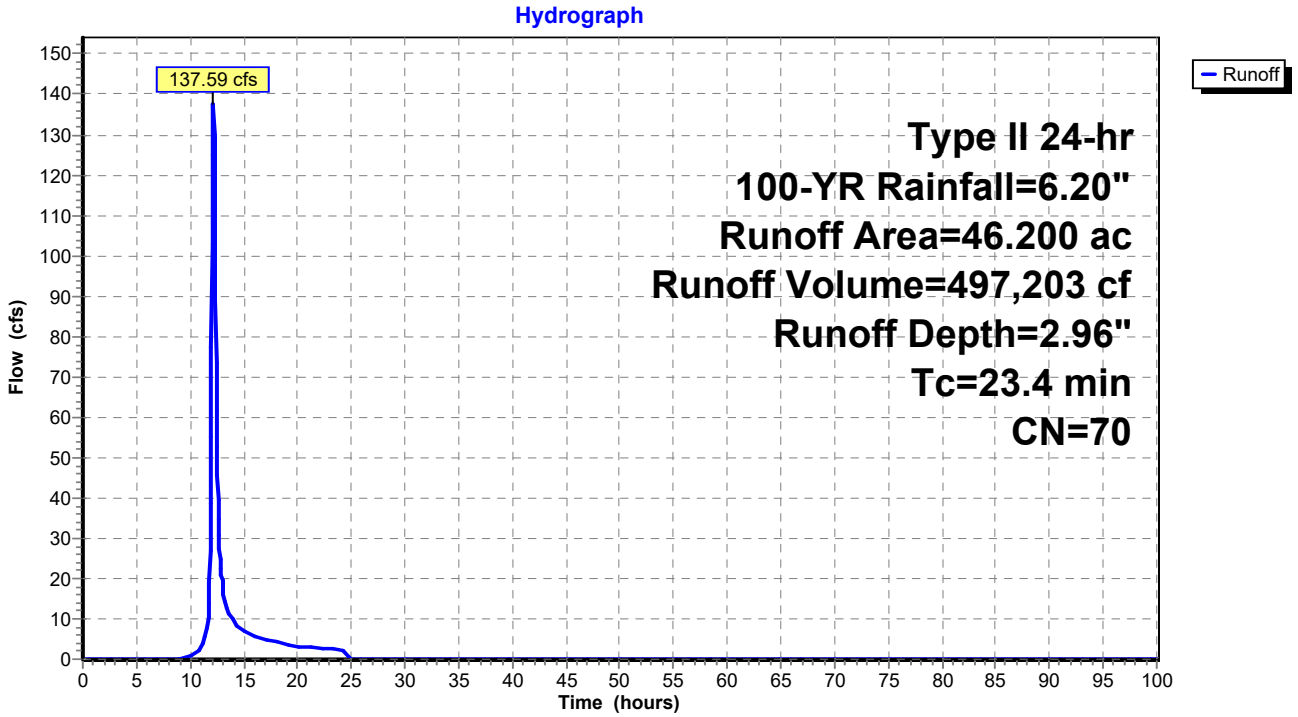
Runoff = 137.59 cfs @ 12.17 hrs, Volume= 497,203 cf, Depth= 2.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	46.200	70	
	46.200		100.00% Pervious Area

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

Subcatchment 25S: PRE - 42



Summary for Subcatchment 26S: POST - 42

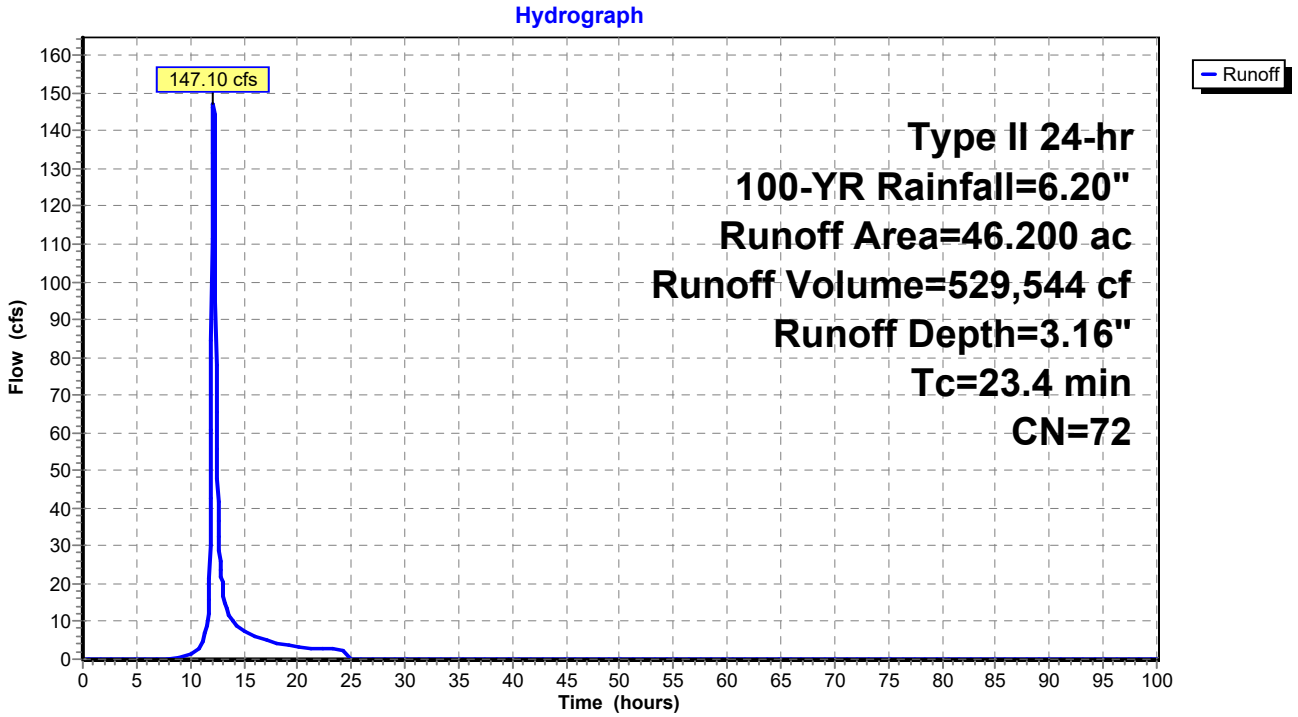
Runoff = 147.10 cfs @ 12.17 hrs, Volume= 529,544 cf, Depth= 3.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	46.200	72	
	46.200		100.00% Pervious Area

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

Subcatchment 26S: POST - 42



Summary for Subcatchment 27S: PRE - 43

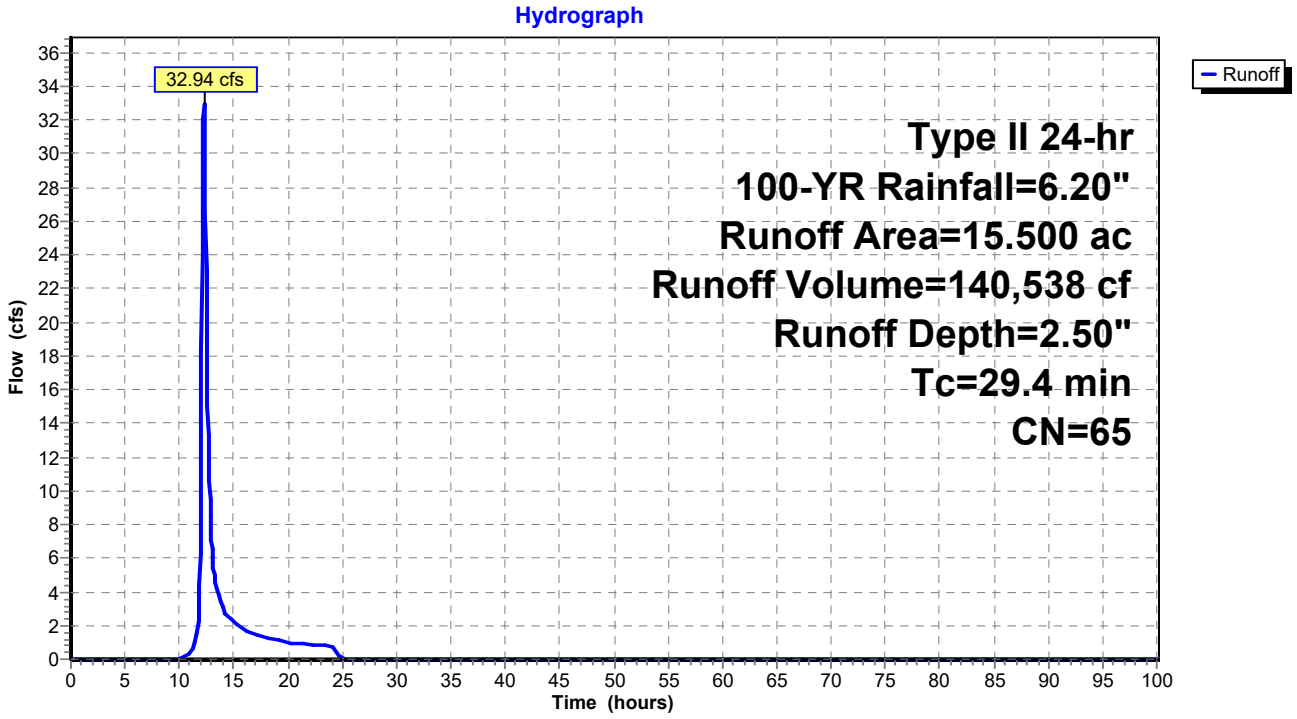
Runoff = 32.94 cfs @ 12.25 hrs, Volume= 140,538 cf, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	15.500	65	
	15.500		100.00% Pervious Area

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

Subcatchment 27S: PRE - 43



Summary for Subcatchment 28S: POST - 43

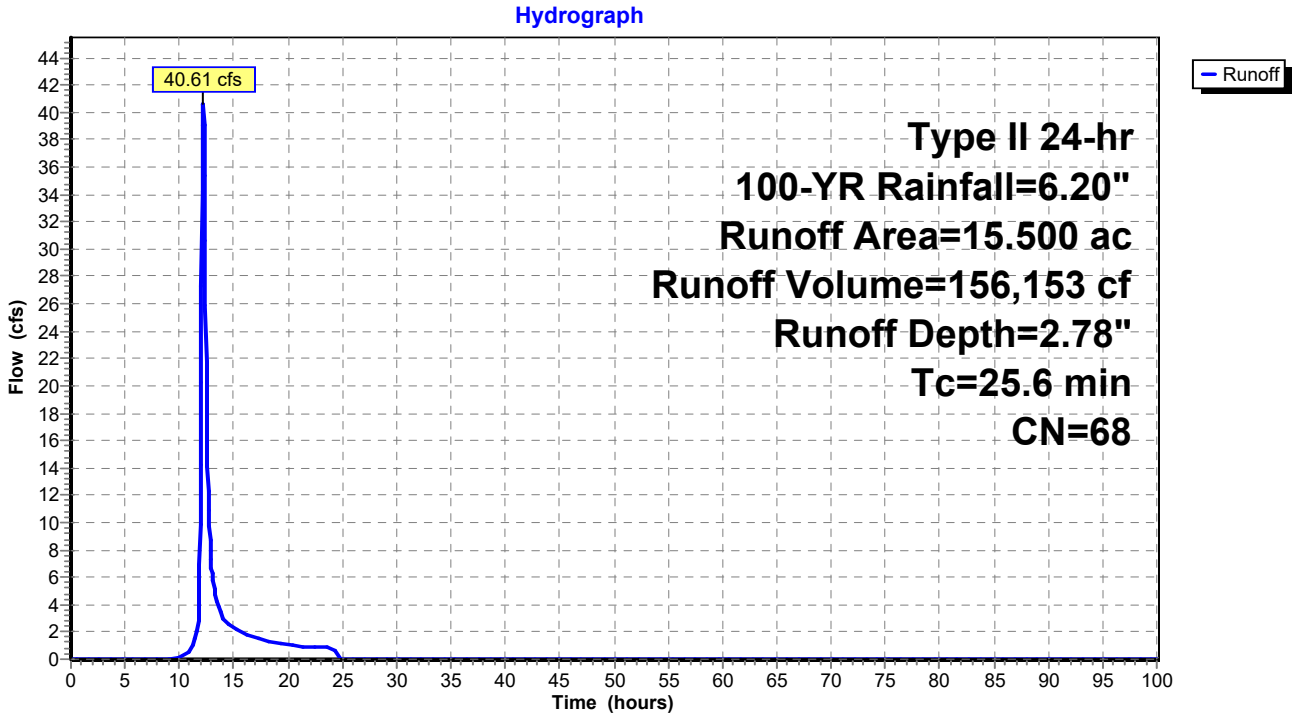
Runoff = 40.61 cfs @ 12.20 hrs, Volume= 156,153 cf, Depth= 2.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	15.500	68	
	15.500		100.00% Pervious Area

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

Subcatchment 28S: POST - 43



Summary for Subcatchment 29S: PRE - 44

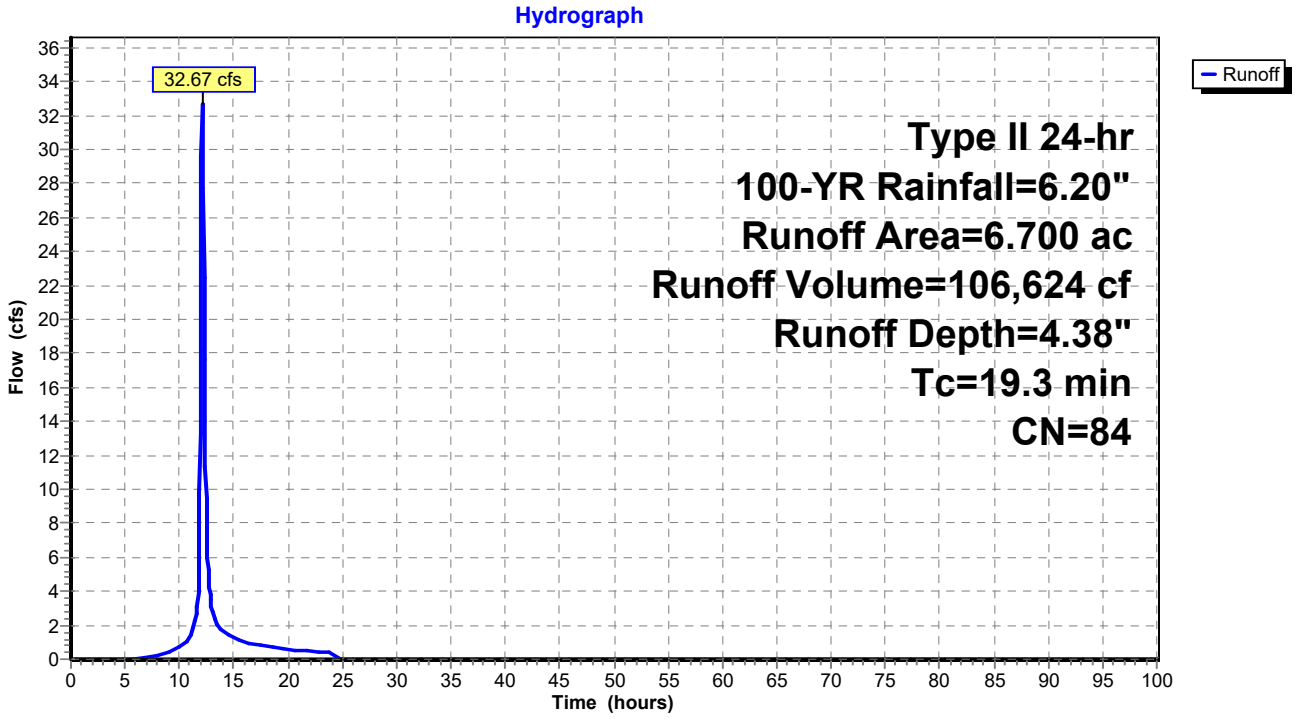
Runoff = 32.67 cfs @ 12.11 hrs, Volume= 106,624 cf, Depth= 4.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 29S: PRE - 44



Summary for Subcatchment 30S: POST - 44

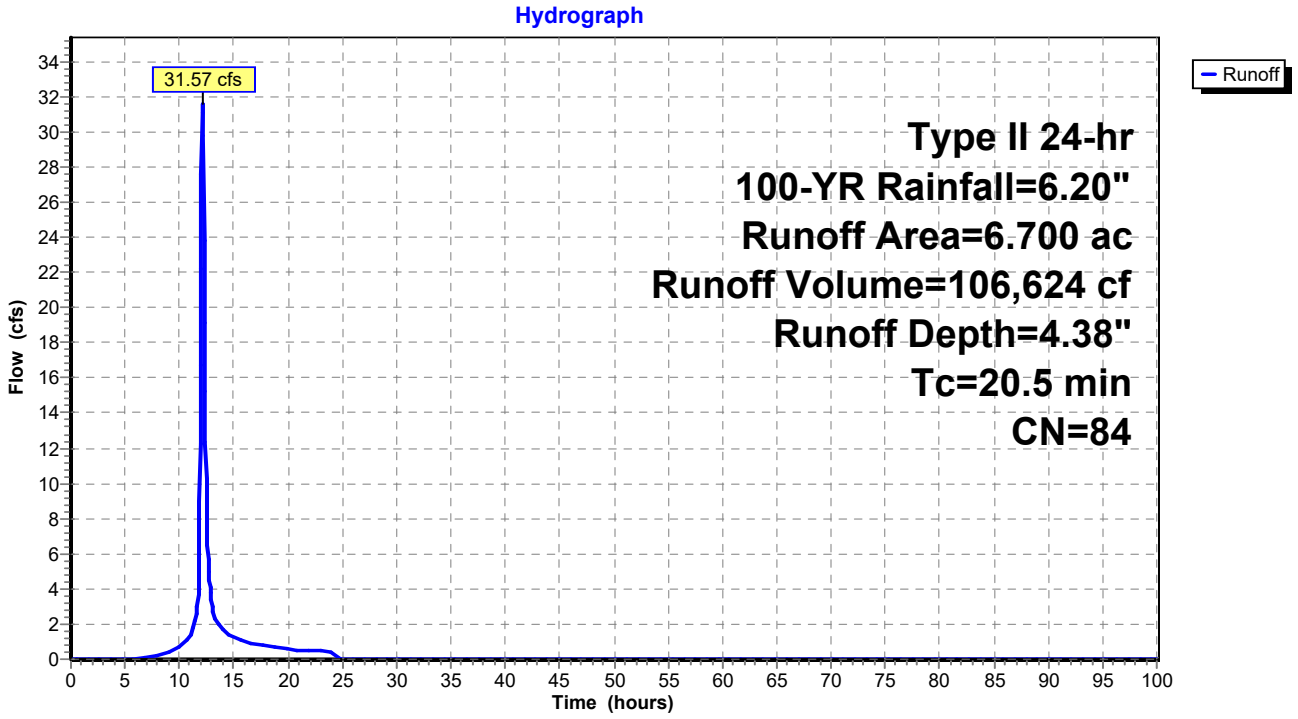
Runoff = 31.57 cfs @ 12.13 hrs, Volume= 106,624 cf, Depth= 4.38"

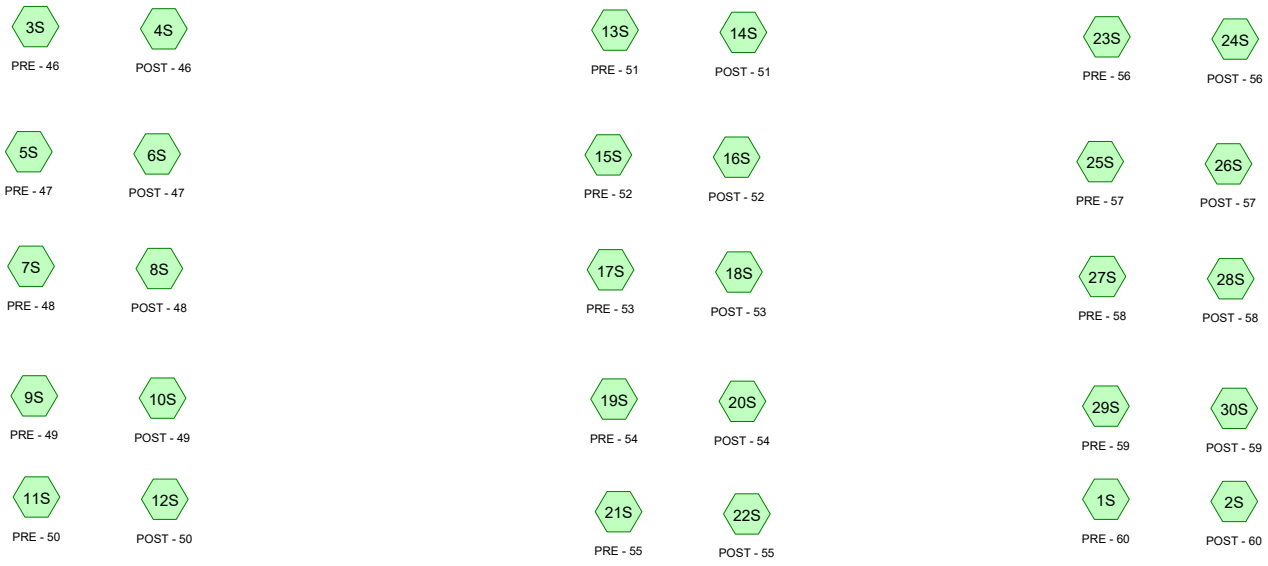
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=6.20"

	Area (ac)	CN	Description
*	6.700	84	
	6.700		100.00% Pervious Area

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

Subcatchment 30S: POST - 44





Subcat Reach Pond Link

Routing Diagram for South Ripley 45 - 60
Prepared by Microsoft, Printed 7/13/2021
HydroCAD® 10.00-19 s/n 06365 © 2016 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
4,687,056	79	(1S, 2S, 25S, 26S)
1,947,132	71	(3S, 9S)
1,585,584	72	(4S)
1,319,868	75	(5S, 10S)
8,942,868	77	(6S, 14S, 19S)
5,658,444	78	(7S, 18S, 20S)
4,151,268	80	(8S, 29S)
348,480	70	(11S)
919,116	74	(12S, 17S)
4,151,268	76	(13S)
169,884	65	(15S)
169,884	69	(16S)
2,208,492	82	(21S, 22S, 24S)
8,363,520	81	(23S, 27S, 28S, 30S)
44,622,864	**78**	**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	0	0	0	44,622,864	44,622,864		1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S, 13S, 14S

Ground Covers (all nodes) (continued)

HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
0	**0**	**0**	**0**	**44,622,864**	**44,622,864**	**TOTAL AREA**	

Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=1.00"
Tc=34.7 min CN=79 Runoff=22.83 cfs 110,894 cf

Subcatchment2S: POST - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=1.00"
Tc=32.9 min CN=79 Runoff=23.71 cfs 110,894 cf

Subcatchment3S: PRE - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=0.61"
Tc=23.8 min CN=71 Runoff=18.66 cfs 80,632 cf

Subcatchment4S: POST - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=0.65"
Tc=25.8 min CN=72 Runoff=19.35 cfs 86,213 cf

Subcatchment5S: PRE - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=0.79"
Tc=47.4 min CN=75 Runoff=9.78 cfs 63,000 cf

Subcatchment6S: POST - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=0.89"
Tc=51.9 min CN=77 Runoff=10.65 cfs 70,943 cf

Subcatchment7S: PRE - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=0.94"
Tc=26.6 min CN=78 Runoff=24.03 cfs 98,353 cf

Subcatchment8S: POST - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=1.05"
Tc=29.4 min CN=80 Runoff=25.59 cfs 109,913 cf

Subcatchment9S: PRE - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=0.61"
Tc=12.2 min CN=71 Runoff=6.38 cfs 18,386 cf

Subcatchment10S: POST - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=0.79"
Tc=13.1 min CN=75 Runoff=8.49 cfs 23,768 cf

Subcatchment11S: PRE - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=0.57"
Tc=20.0 min CN=70 Runoff=4.19 cfs 16,540 cf

Subcatchment12S: POST - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=0.74"
Tc=21.7 min CN=74 Runoff=5.67 cfs 21,541 cf

Subcatchment13S: PRE - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=0.84"
Tc=53.0 min CN=76 Runoff=42.18 cfs 289,803 cf

Subcatchment14S: POST - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=0.89"
Tc=46.6 min CN=77 Runoff=49.90 cfs 307,313 cf

Subcatchment15S: PRE - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=0.39"
Tc=25.6 min CN=65 Runoff=0.95 cfs 5,497 cf

Subcatchment16S: POST - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=0.53"
Tc=27.2 min CN=69 Runoff=1.49 cfs 7,509 cf

Subcatchment17S: PRE - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=0.74"
Tc=31.9 min CN=74 Runoff=7.15 cfs 35,273 cf

Subcatchment18S: POST - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=0.94"
Tc=22.7 min CN=78 Runoff=12.10 cfs 44,737 cf

Subcatchment19S: PRE - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=0.89"
Tc=50.3 min CN=77 Runoff=43.59 cfs 283,772 cf

Subcatchment20S: POST - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=0.94"
Tc=42.4 min CN=78 Runoff=53.06 cfs 300,523 cf

Subcatchment21S: PRE - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=1.17"
Tc=30.5 min CN=82 Runoff=21.20 cfs 91,734 cf

Subcatchment22S: POST - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=1.17"
Tc=30.4 min CN=82 Runoff=21.22 cfs 91,734 cf

Subcatchment23S: PRE - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=1.11"
Tc=22.5 min CN=81 Runoff=8.43 cfs 30,209 cf

Subcatchment24S: POST - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=1.17"
Tc=23.4 min CN=82 Runoff=8.73 cfs 31,852 cf

Subcatchment25S: PRE - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=1.00"
Tc=40.6 min CN=79 Runoff=15.38 cfs 83,442 cf

Subcatchment26S: POST - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=1.00"
Tc=42.3 min CN=79 Runoff=14.91 cfs 83,442 cf

Subcatchment27S: PRE - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=1.11"
Tc=29.0 min CN=81 Runoff=56.31 cfs 237,647 cf

Subcatchment28S: POST - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=1.11"
Tc=29.0 min CN=81 Runoff=56.31 cfs 237,647 cf

Subcatchment29S: PRE - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=1.05"
Tc=41.5 min CN=80 Runoff=46.58 cfs 253,791 cf

Subcatchment30S: POST - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=1.11"
Tc=41.5 min CN=81 Runoff=49.62 cfs 267,856 cf

Total Runoff Area = 44,622,864 sf Runoff Volume = 3,494,858 cf Average Runoff Depth = 0.94"
100.00% Pervious = 44,622,864 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 60

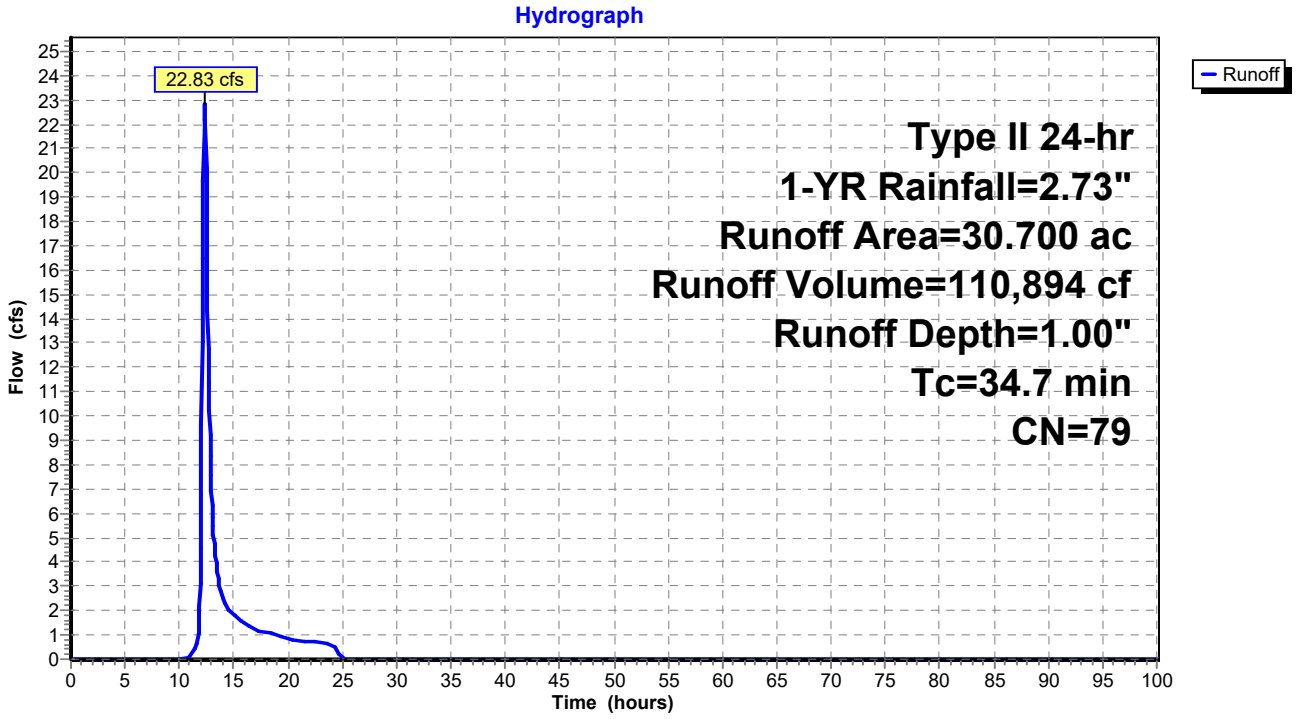
Runoff = 22.83 cfs @ 12.32 hrs, Volume= 110,894 cf, Depth= 1.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 1S: PRE - 60



Summary for Subcatchment 2S: POST - 60

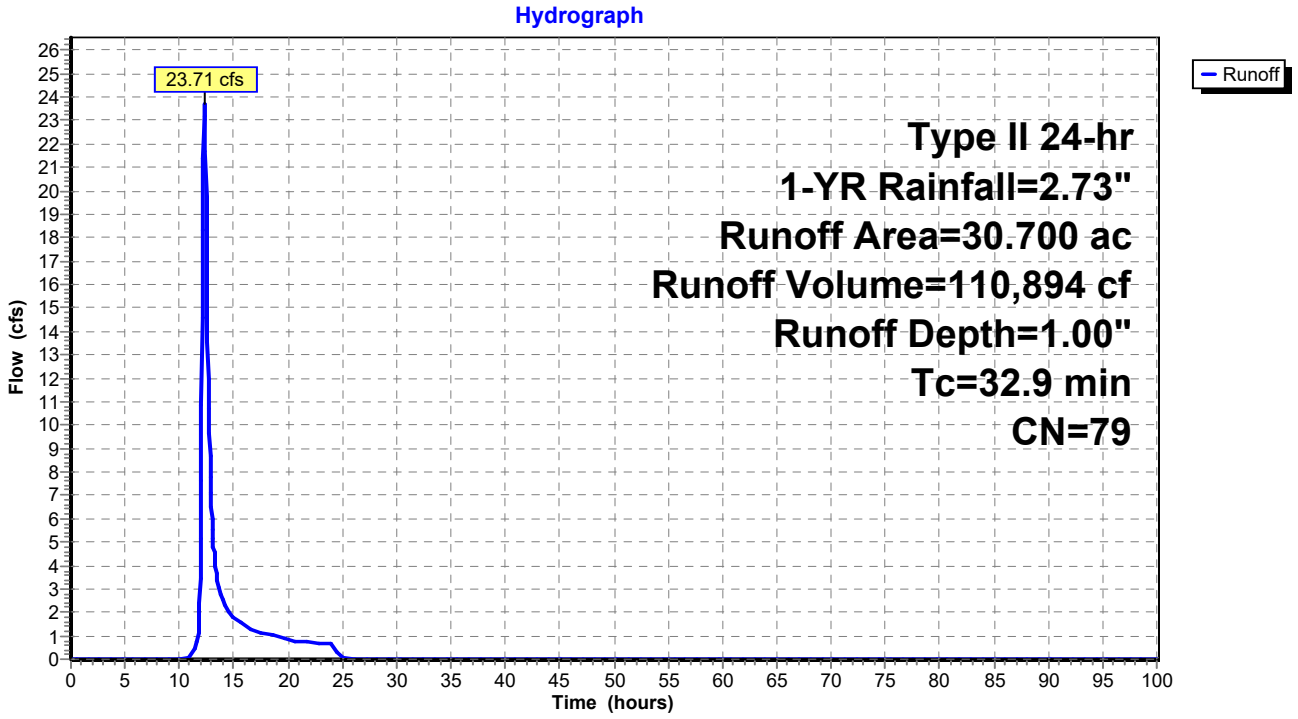
Runoff = 23.71 cfs @ 12.30 hrs, Volume= 110,894 cf, Depth= 1.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 2S: POST - 60



Summary for Subcatchment 3S: PRE - 46

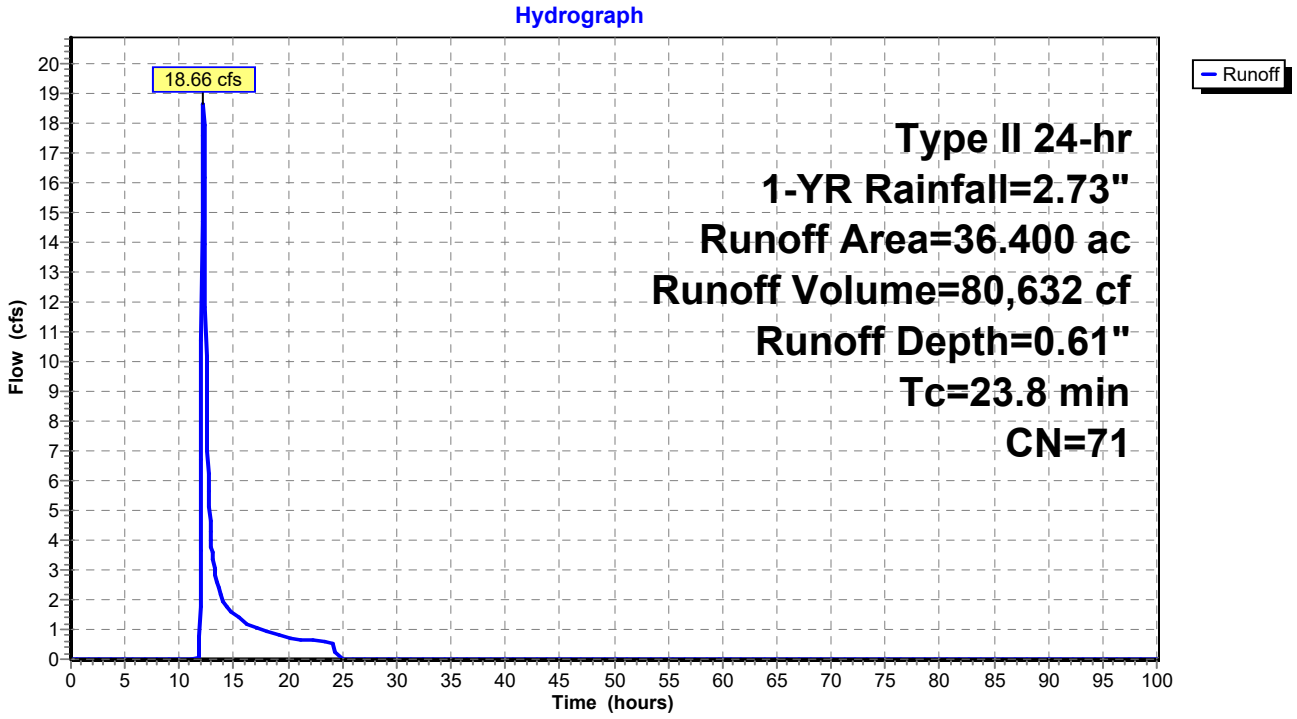
Runoff = 18.66 cfs @ 12.21 hrs, Volume= 80,632 cf, Depth= 0.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	36.400	71	
	36.400		100.00% Pervious Area

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

Subcatchment 3S: PRE - 46



Summary for Subcatchment 4S: POST - 46

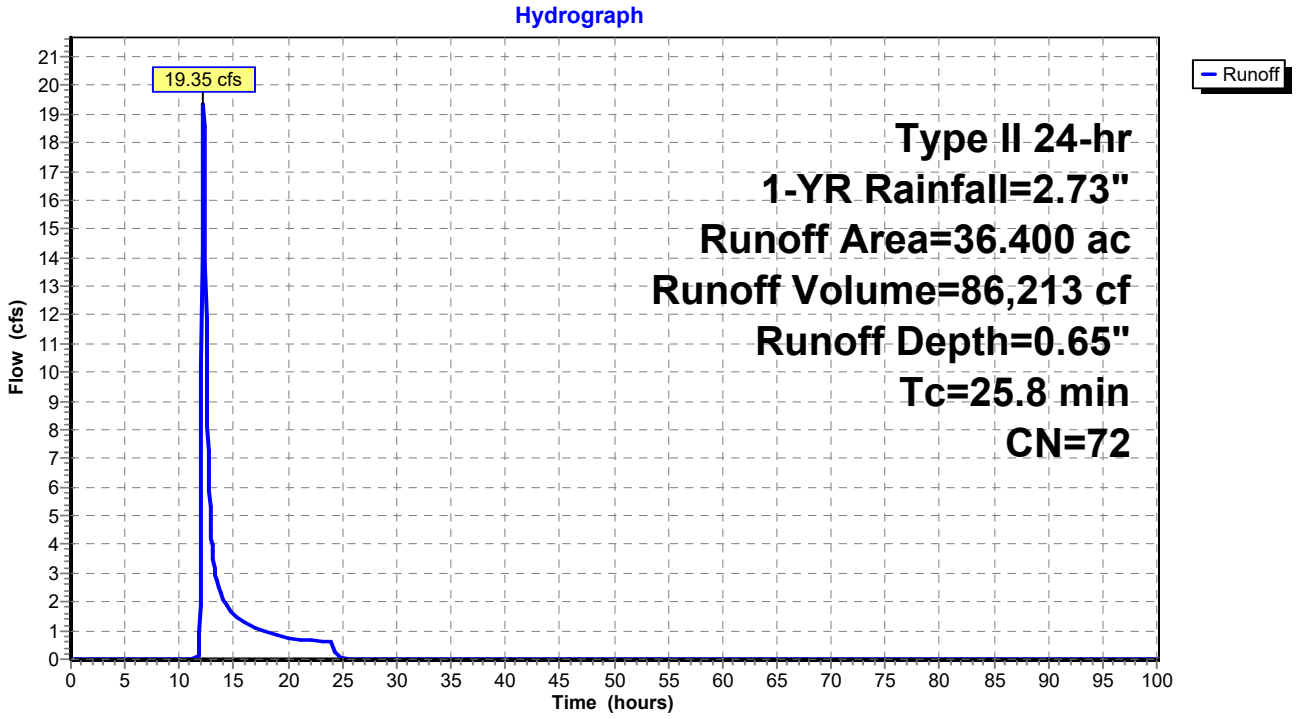
Runoff = 19.35 cfs @ 12.23 hrs, Volume= 86,213 cf, Depth= 0.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	36.400	72	
	36.400		100.00% Pervious Area

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

Subcatchment 4S: POST - 46



Summary for Subcatchment 5S: PRE - 47

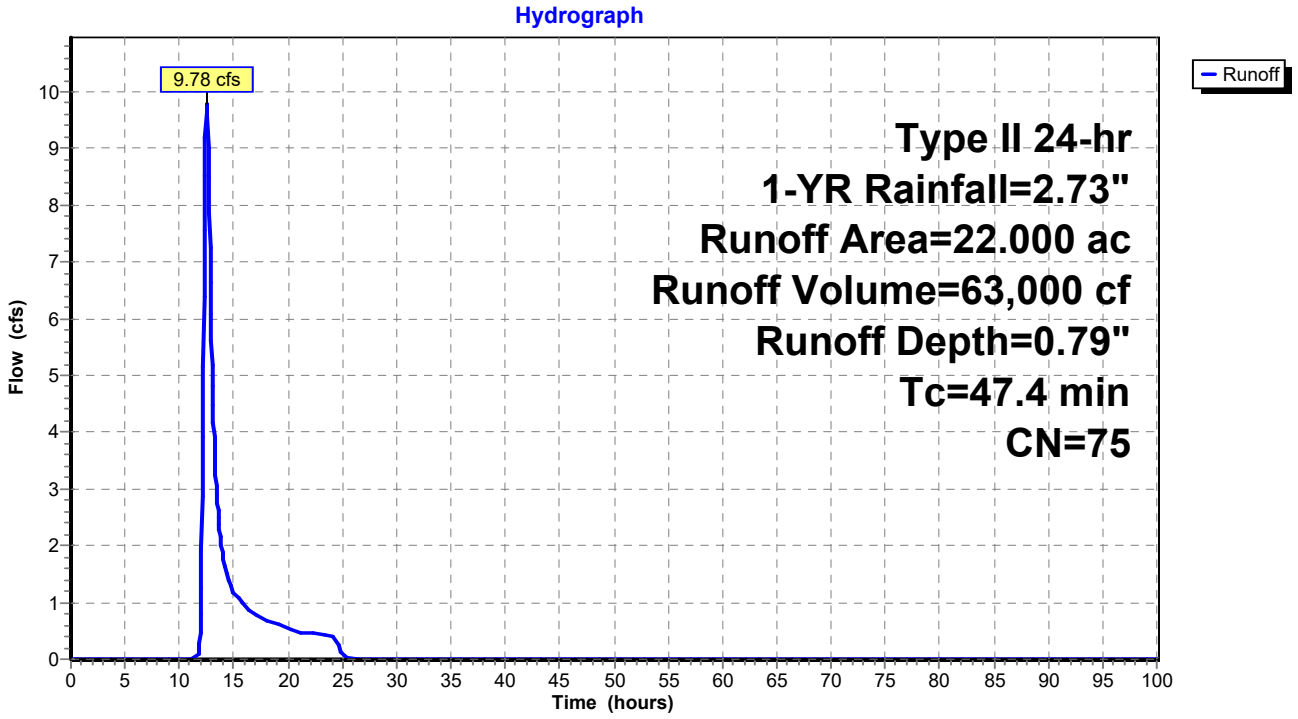
Runoff = 9.78 cfs @ 12.51 hrs, Volume= 63,000 cf, Depth= 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	22.000	75	
	22.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 47



Summary for Subcatchment 6S: POST - 47

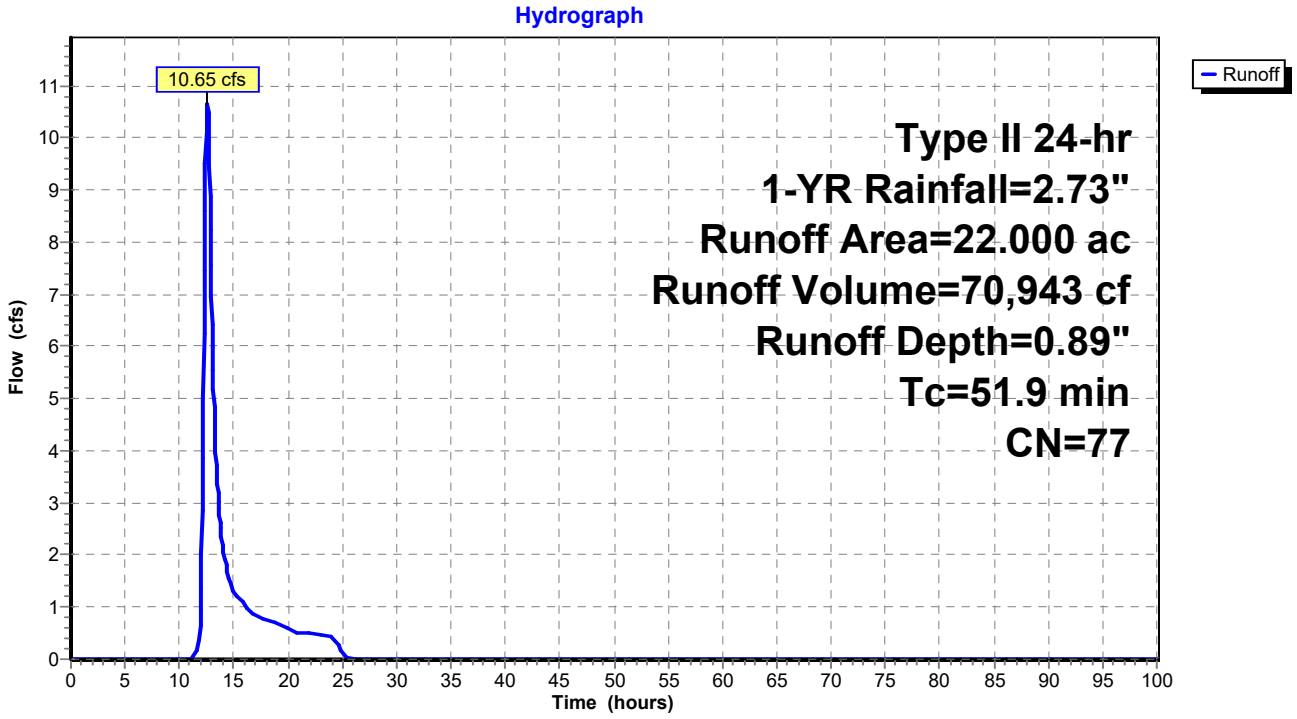
Runoff = 10.65 cfs @ 12.56 hrs, Volume= 70,943 cf, Depth= 0.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	22.000	77	
	22.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 47



Summary for Subcatchment 7S: PRE - 48

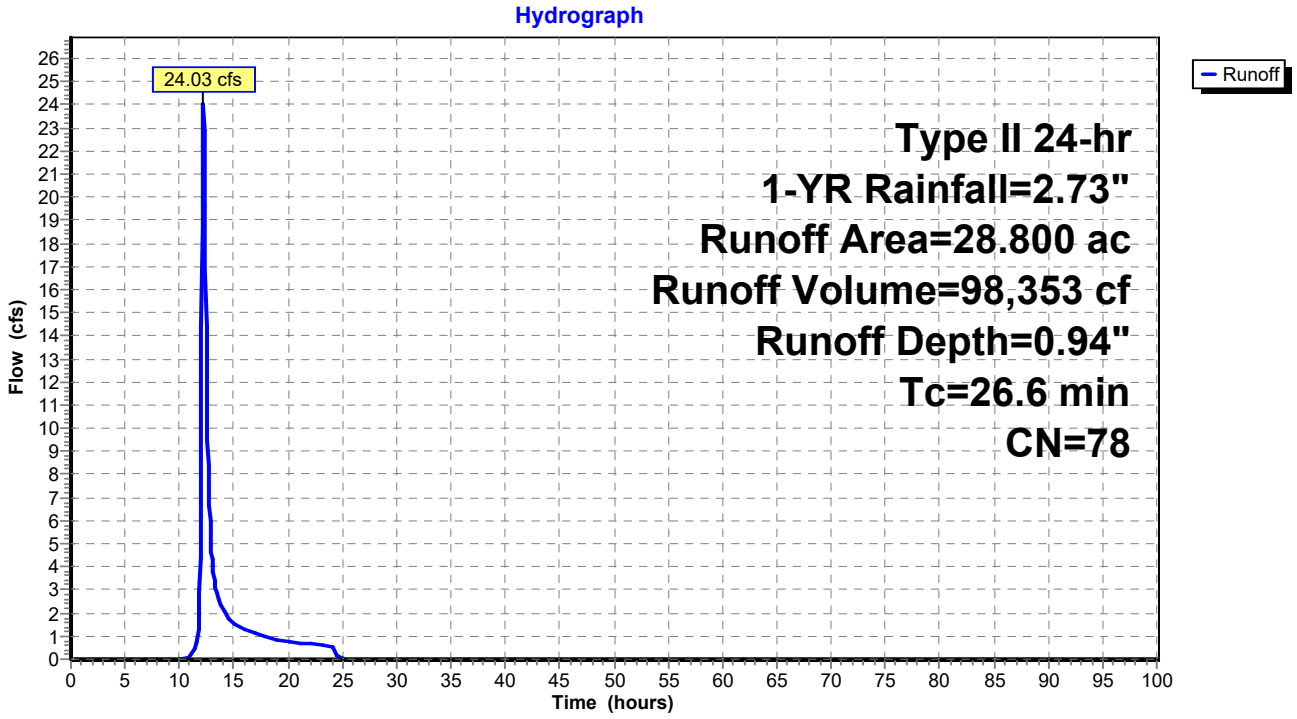
Runoff = 24.03 cfs @ 12.22 hrs, Volume= 98,353 cf, Depth= 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	28.800	78	
	28.800		100.00% Pervious Area

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

Subcatchment 7S: PRE - 48



Summary for Subcatchment 8S: POST - 48

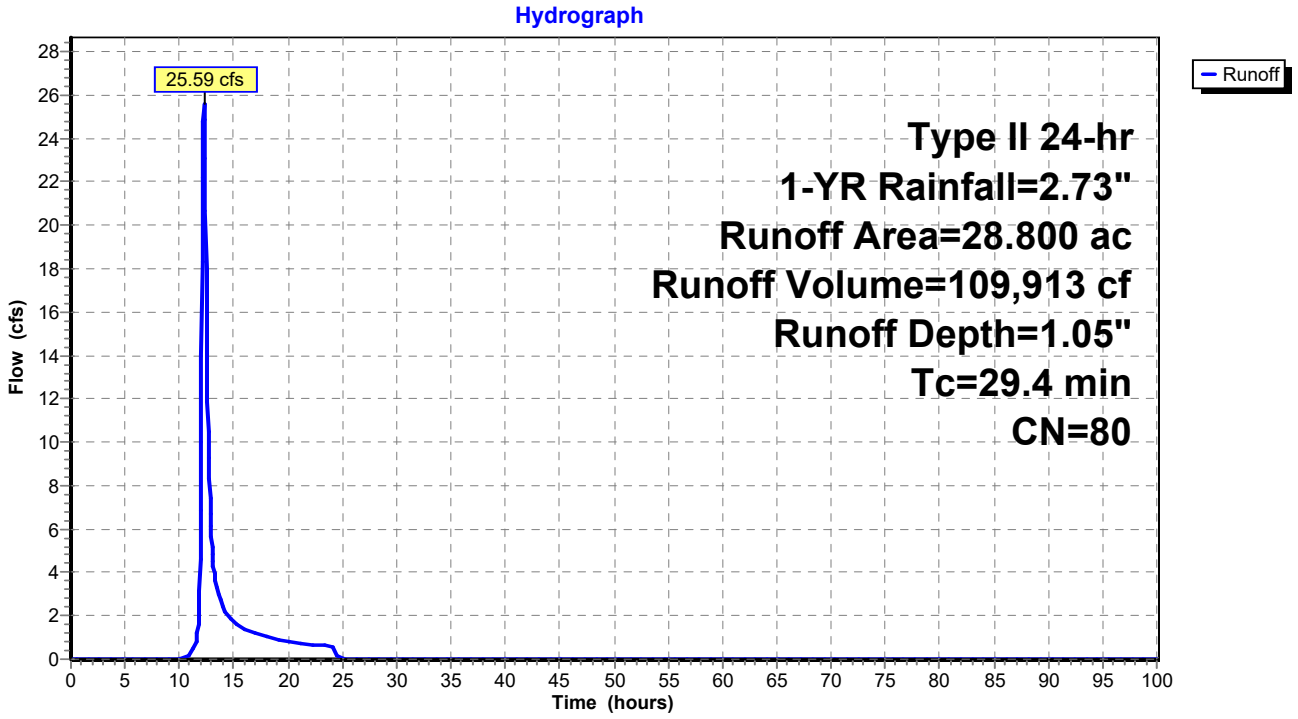
Runoff = 25.59 cfs @ 12.25 hrs, Volume= 109,913 cf, Depth= 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	28.800	80	
	28.800		100.00% Pervious Area

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

Subcatchment 8S: POST - 48



Summary for Subcatchment 9S: PRE - 49

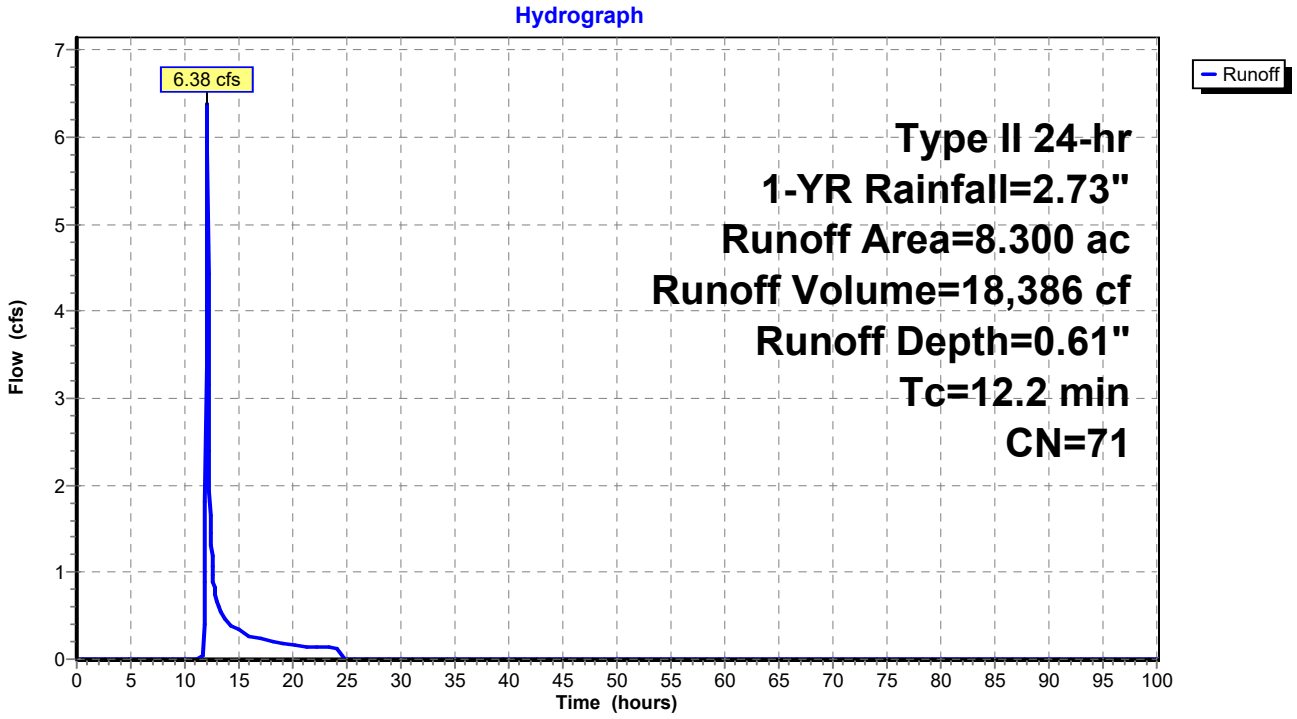
Runoff = 6.38 cfs @ 12.06 hrs, Volume= 18,386 cf, Depth= 0.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	8.300	71	
	8.300		100.00% Pervious Area

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

Subcatchment 9S: PRE - 49



Summary for Subcatchment 10S: POST - 49

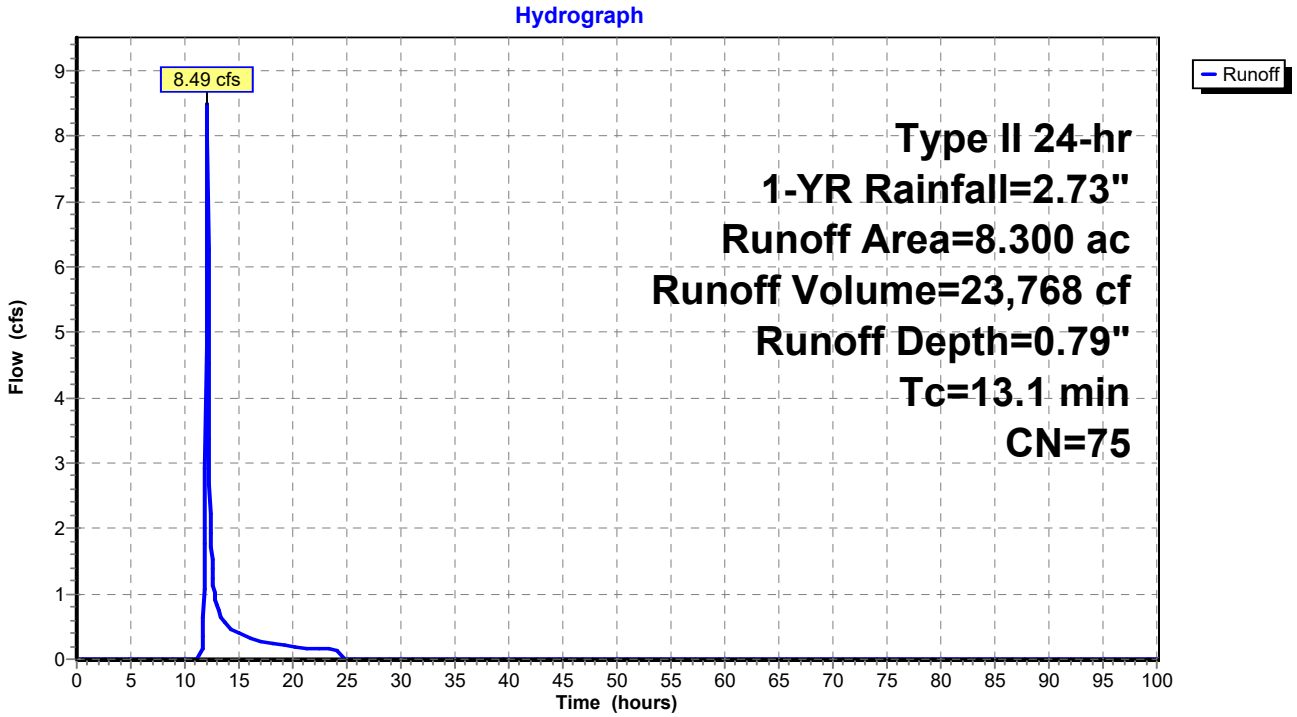
Runoff = 8.49 cfs @ 12.06 hrs, Volume= 23,768 cf, Depth= 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	8.300	75	
	8.300		100.00% Pervious Area

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

Subcatchment 10S: POST - 49



Summary for Subcatchment 11S: PRE - 50

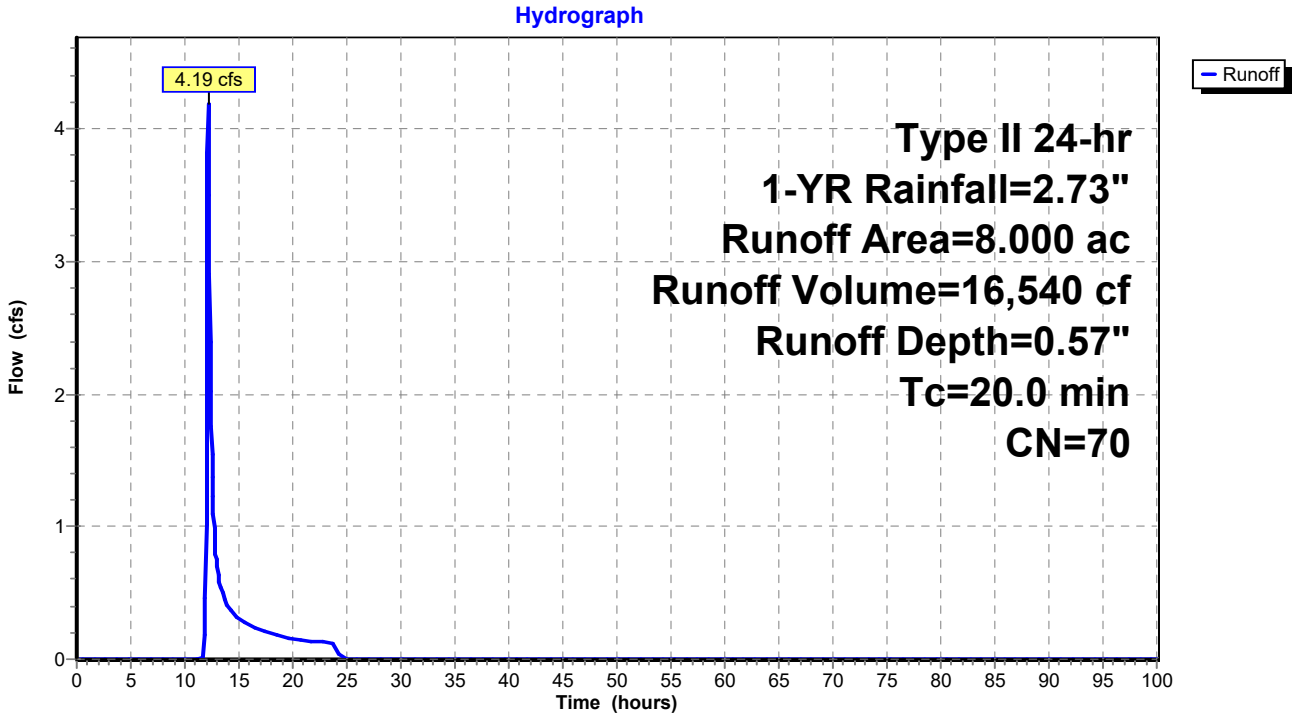
Runoff = 4.19 cfs @ 12.16 hrs, Volume= 16,540 cf, Depth= 0.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	8.000	70	
	8.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 50



Summary for Subcatchment 12S: POST - 50

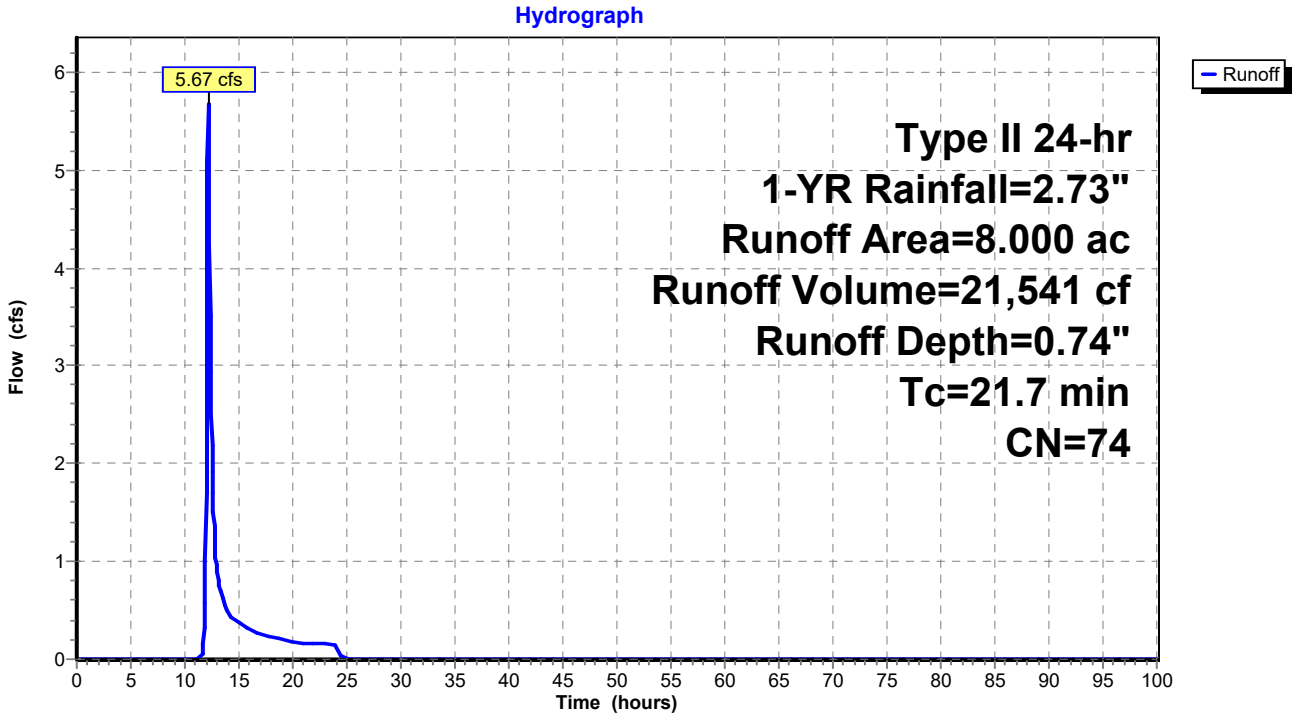
Runoff = 5.67 cfs @ 12.17 hrs, Volume= 21,541 cf, Depth= 0.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	8.000	74	
	8.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 50



Summary for Subcatchment 13S: PRE - 51

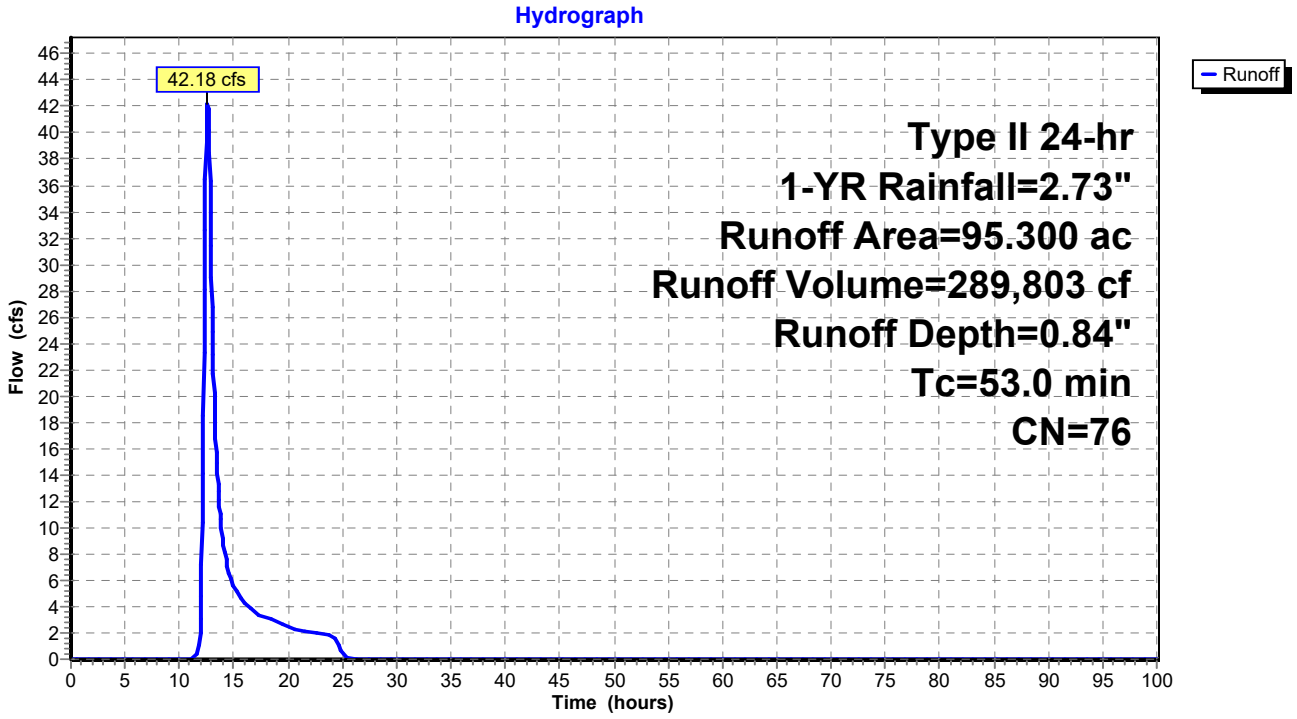
Runoff = 42.18 cfs @ 12.57 hrs, Volume= 289,803 cf, Depth= 0.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	95.300	76	
	95.300		100.00% Pervious Area

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

Subcatchment 13S: PRE - 51



Summary for Subcatchment 14S: POST - 51

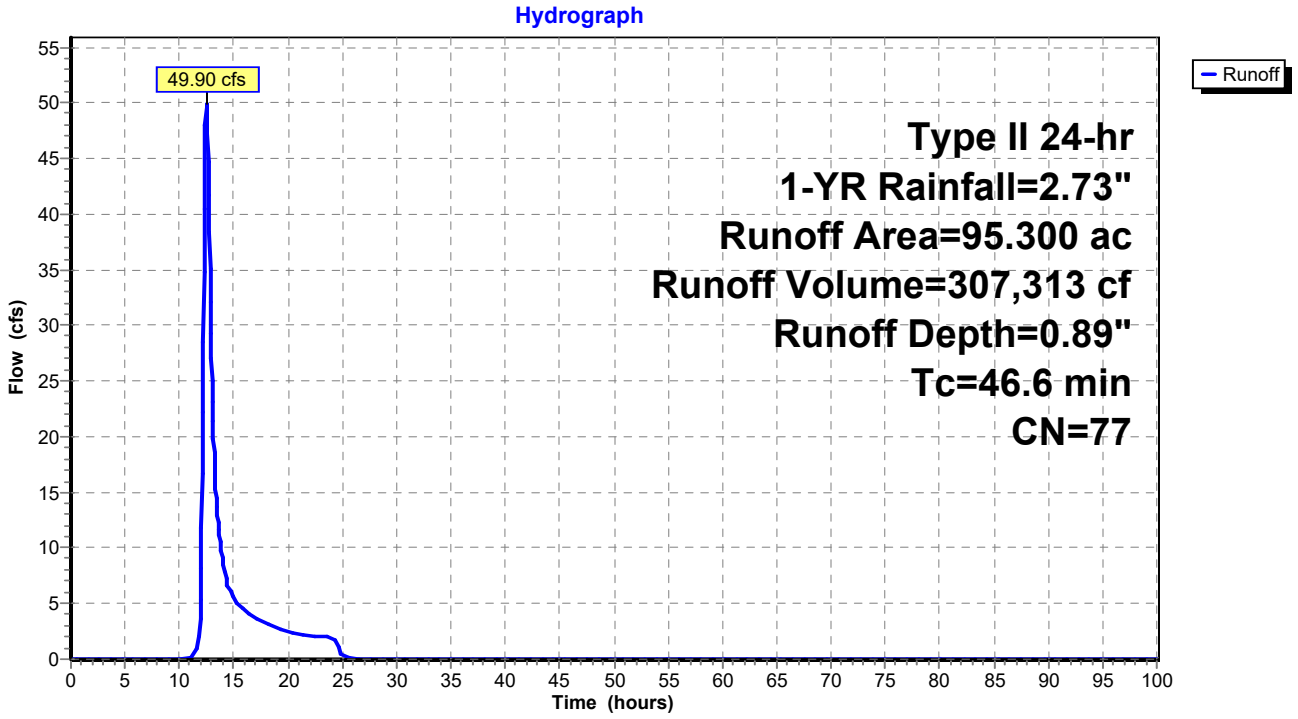
Runoff = 49.90 cfs @ 12.49 hrs, Volume= 307,313 cf, Depth= 0.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	95.300	77	
	95.300		100.00% Pervious Area

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

Subcatchment 14S: POST - 51



Summary for Subcatchment 15S: PRE - 52

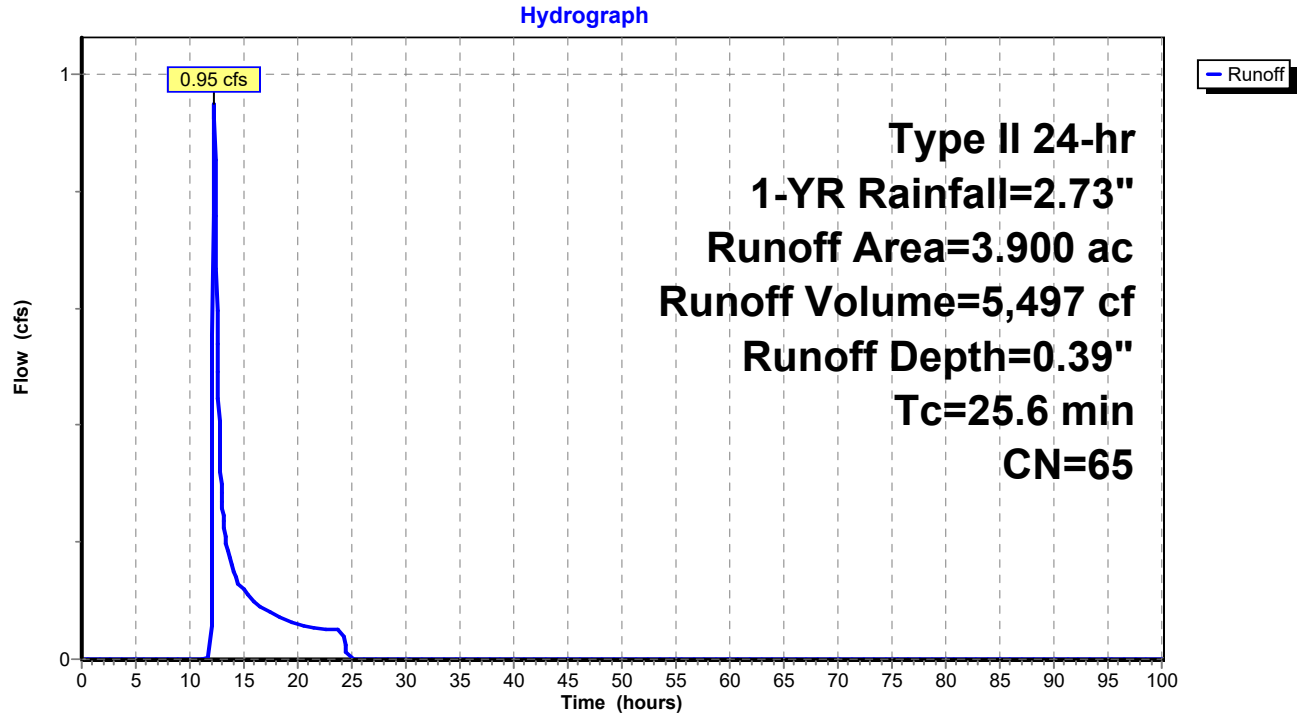
Runoff = 0.95 cfs @ 12.26 hrs, Volume= 5,497 cf, Depth= 0.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	3.900	65	
	3.900		100.00% Pervious Area

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

Subcatchment 15S: PRE - 52



Summary for Subcatchment 16S: POST - 52

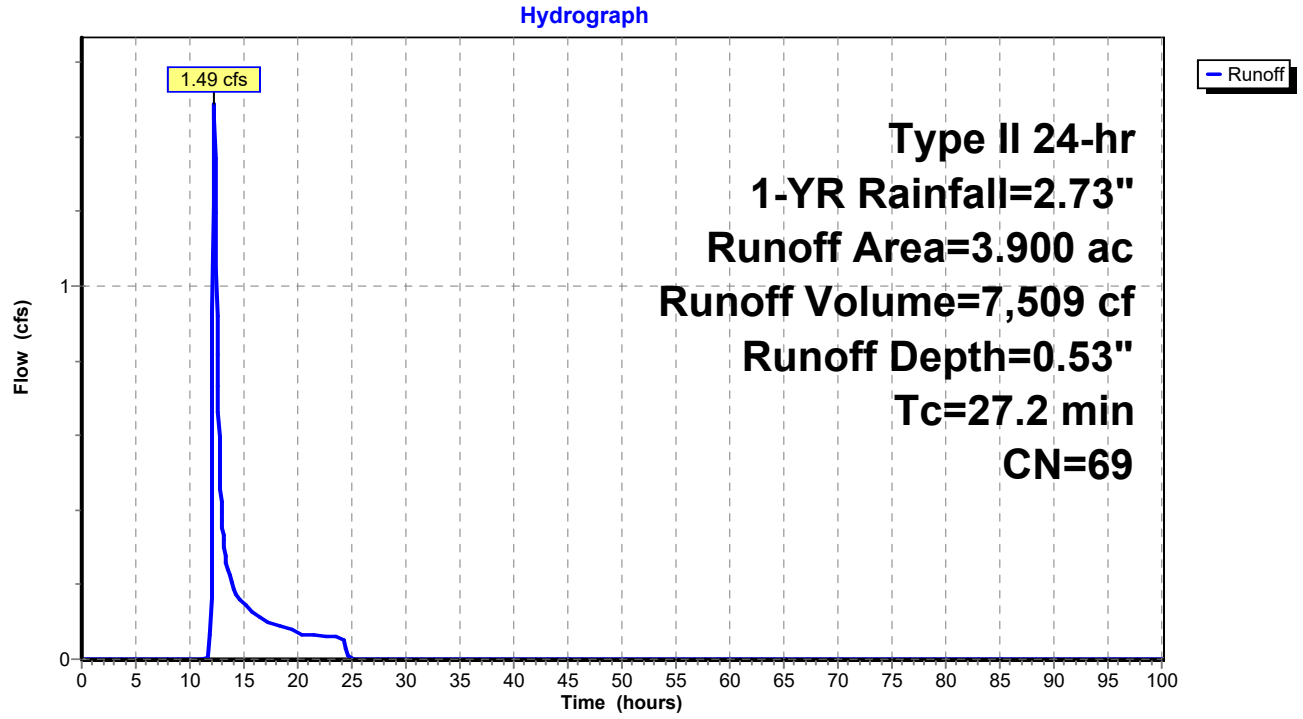
Runoff = 1.49 cfs @ 12.26 hrs, Volume= 7,509 cf, Depth= 0.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	3.900	69	
	3.900		100.00% Pervious Area

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

Subcatchment 16S: POST - 52



Summary for Subcatchment 17S: PRE - 53

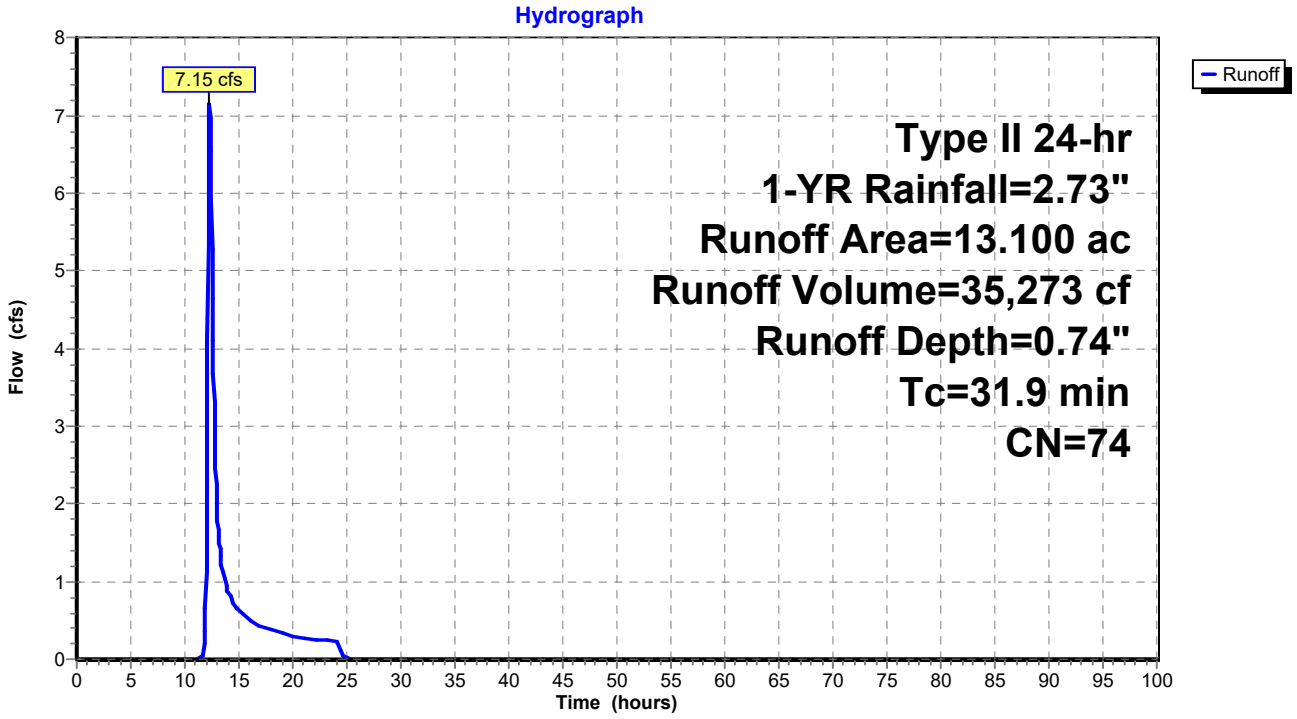
Runoff = 7.15 cfs @ 12.30 hrs, Volume= 35,273 cf, Depth= 0.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	13.100	74	
	13.100		100.00% Pervious Area

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

Subcatchment 17S: PRE - 53



Summary for Subcatchment 18S: POST - 53

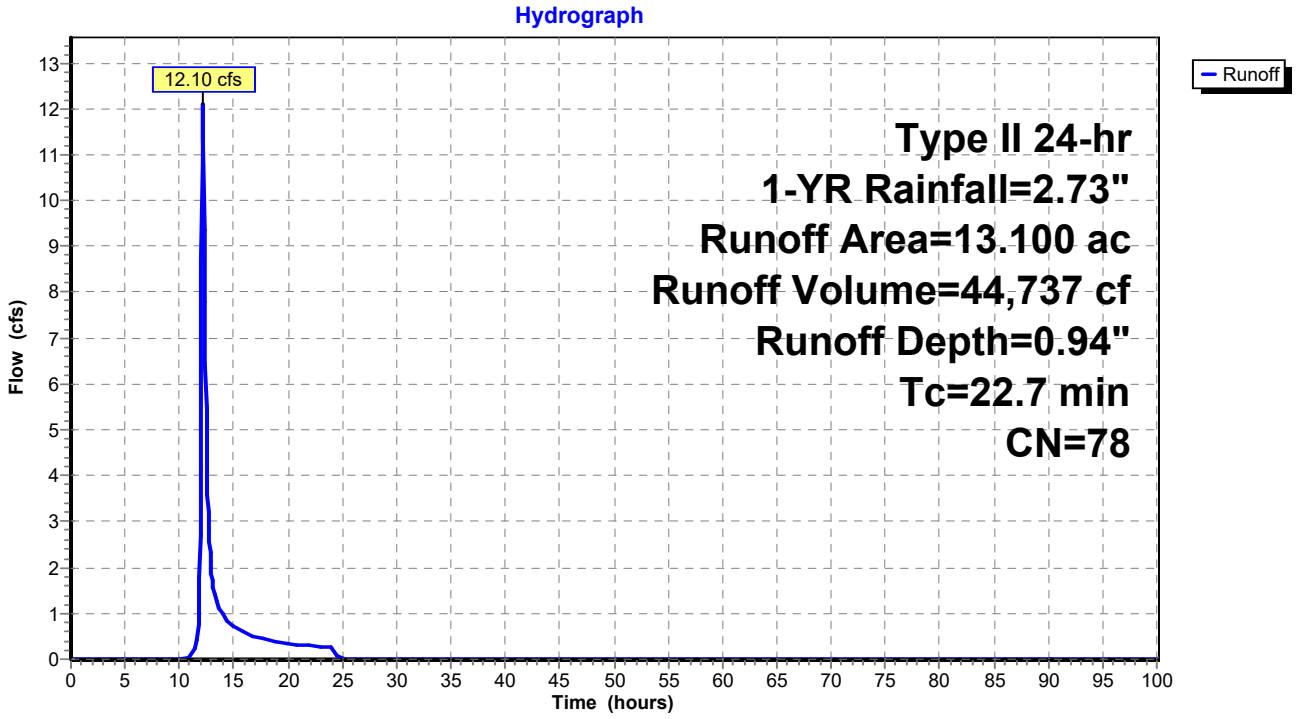
Runoff = 12.10 cfs @ 12.17 hrs, Volume= 44,737 cf, Depth= 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	13.100	78	
	13.100		100.00% Pervious Area

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

Subcatchment 18S: POST - 53



Summary for Subcatchment 19S: PRE - 54

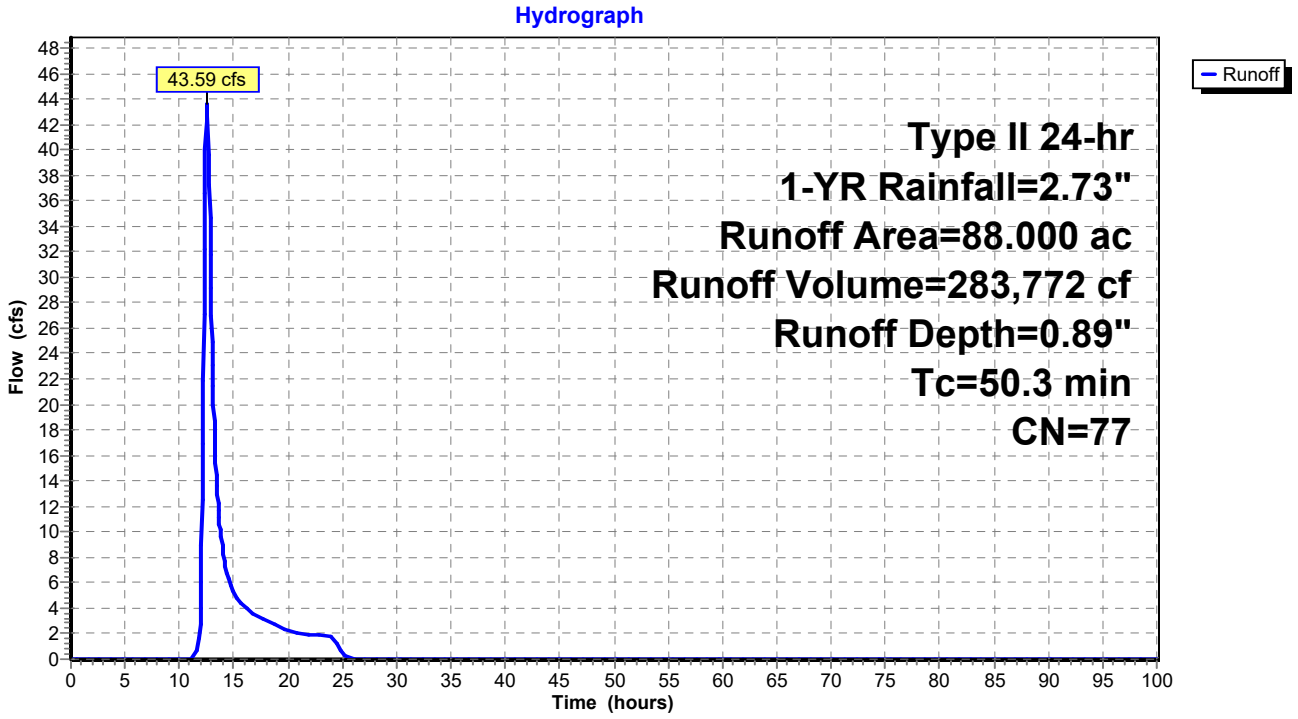
Runoff = 43.59 cfs @ 12.54 hrs, Volume= 283,772 cf, Depth= 0.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	88.000	77	
	88.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 54



Summary for Subcatchment 20S: POST - 54

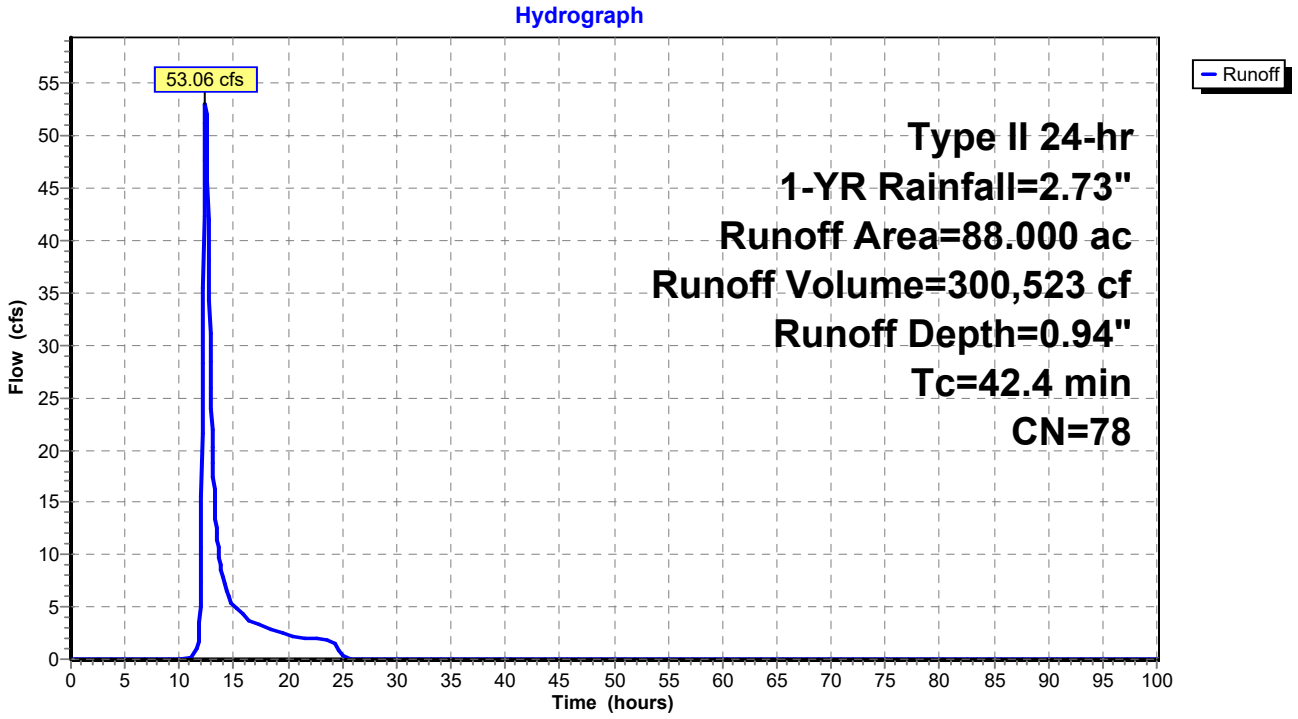
Runoff = 53.06 cfs @ 12.42 hrs, Volume= 300,523 cf, Depth= 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	88.000	78	
	88.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 54



Summary for Subcatchment 21S: PRE - 55

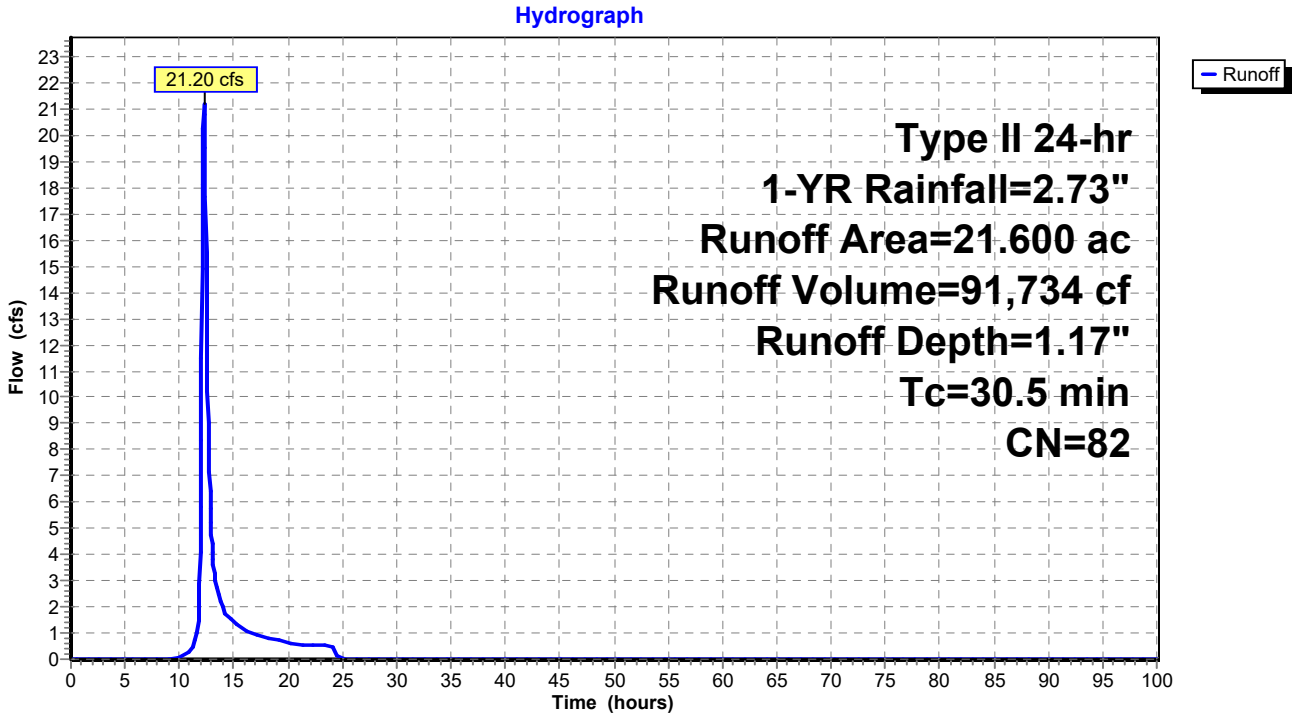
Runoff = 21.20 cfs @ 12.26 hrs, Volume= 91,734 cf, Depth= 1.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 21S: PRE - 55



Summary for Subcatchment 22S: POST - 55

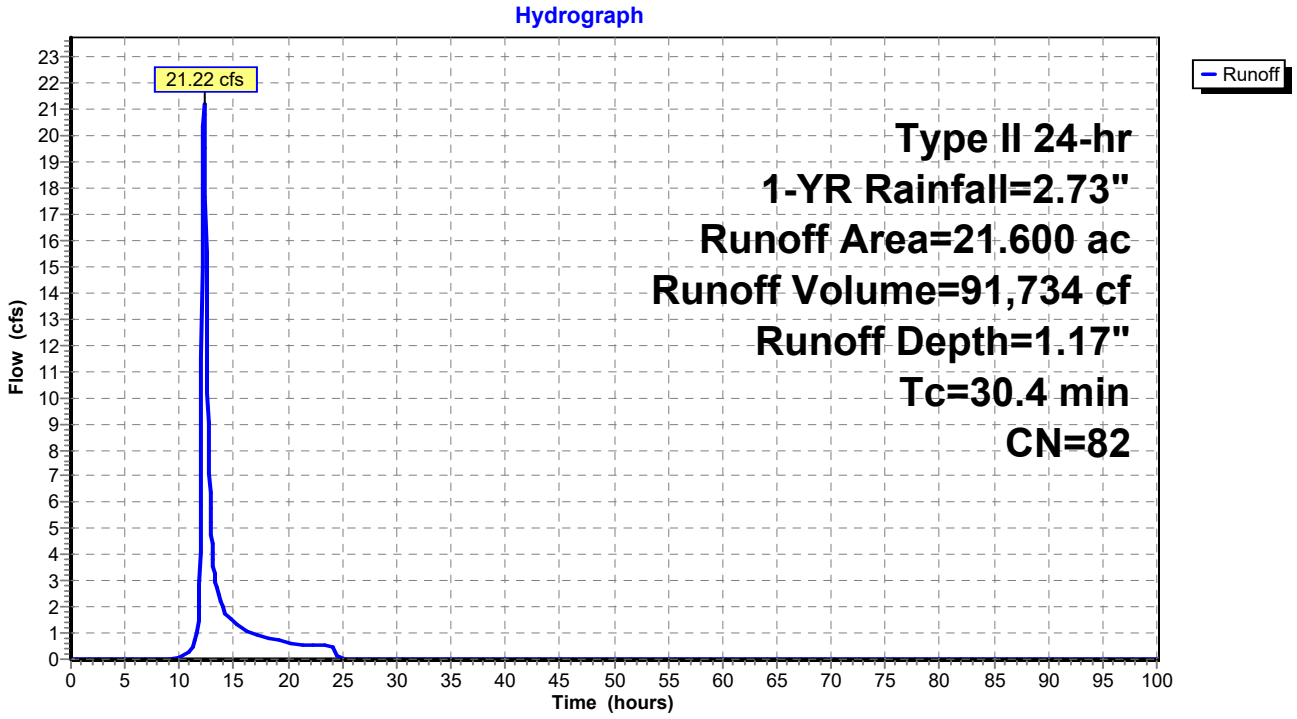
Runoff = 21.22 cfs @ 12.26 hrs, Volume= 91,734 cf, Depth= 1.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 22S: POST - 55



Summary for Subcatchment 23S: PRE - 56

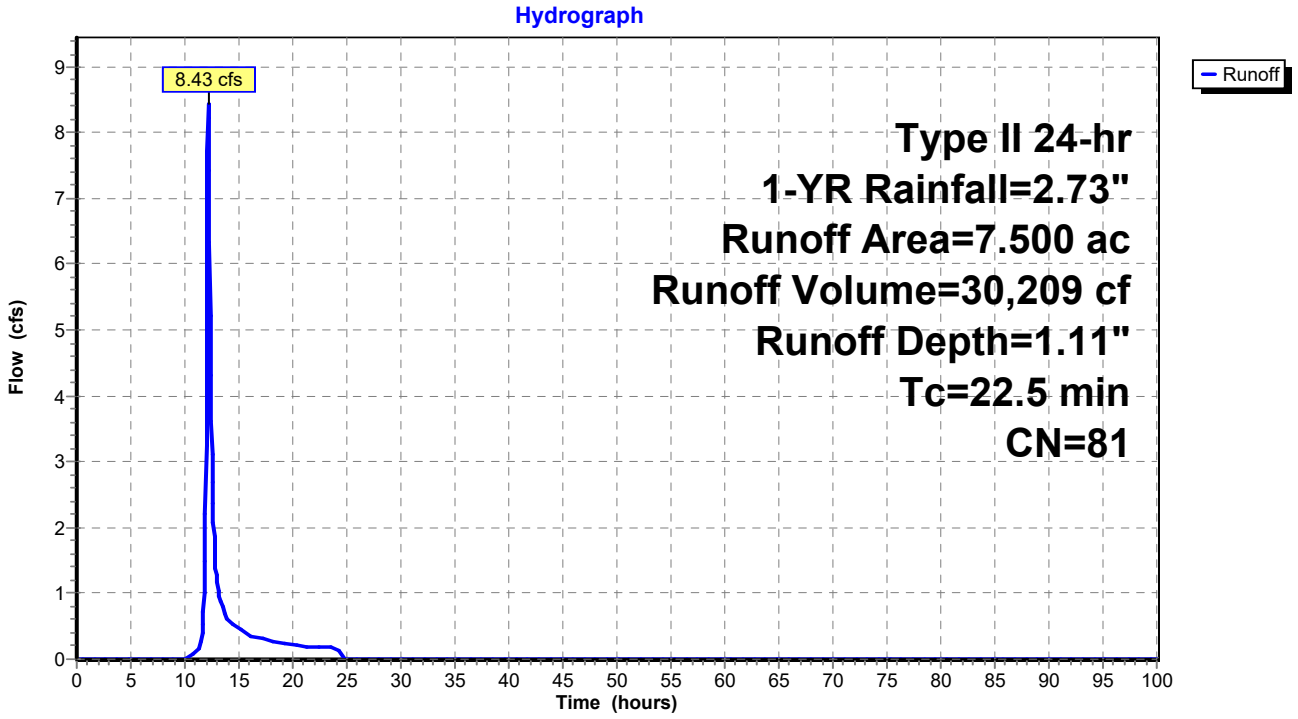
Runoff = 8.43 cfs @ 12.16 hrs, Volume= 30,209 cf, Depth= 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	7.500	81	
	7.500		100.00% Pervious Area

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

Subcatchment 23S: PRE - 56



Summary for Subcatchment 24S: POST - 56

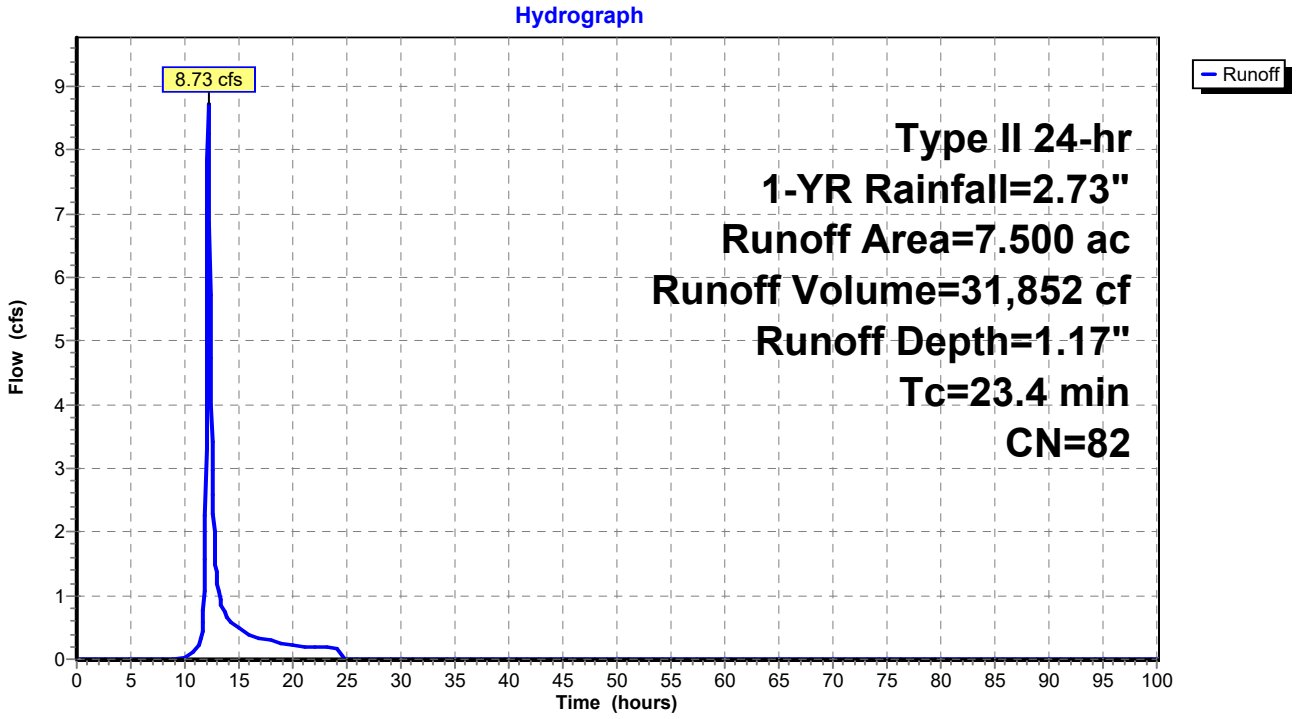
Runoff = 8.73 cfs @ 12.17 hrs, Volume= 31,852 cf, Depth= 1.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	7.500	82	
	7.500		100.00% Pervious Area

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

Subcatchment 24S: POST - 56



Summary for Subcatchment 25S: PRE - 57

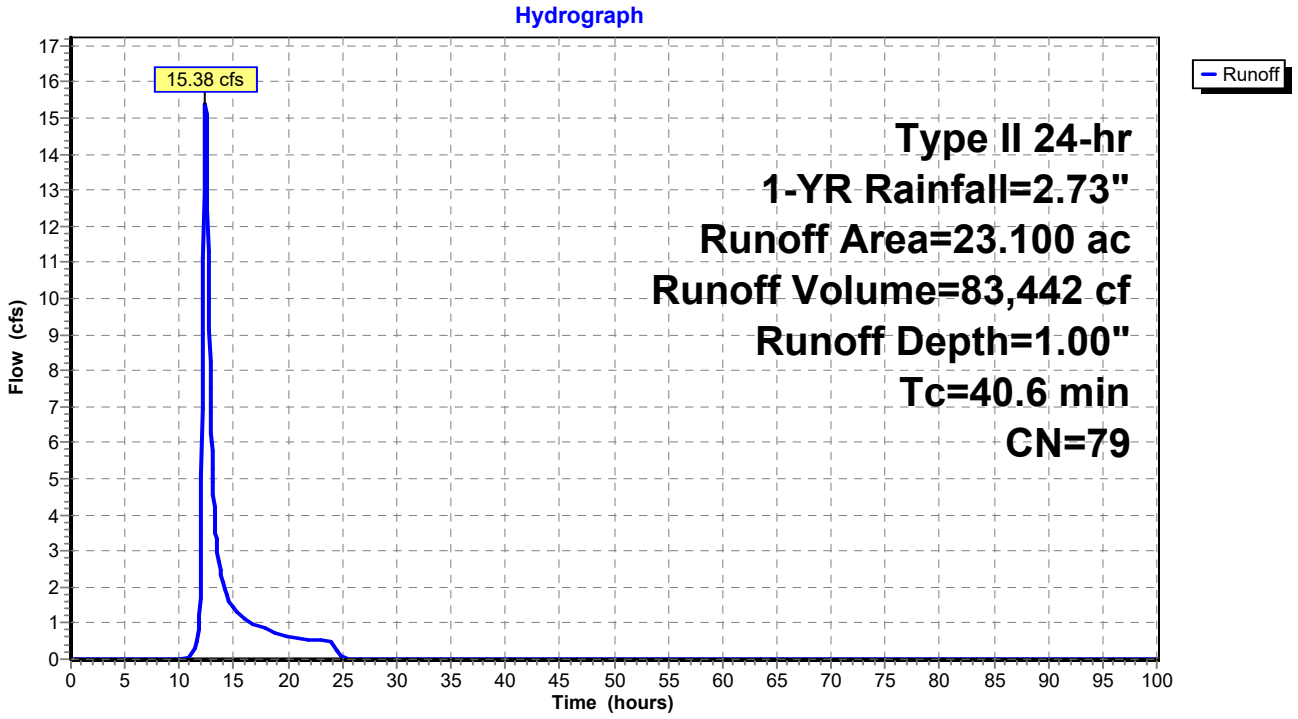
Runoff = 15.38 cfs @ 12.40 hrs, Volume= 83,442 cf, Depth= 1.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 25S: PRE - 57



Summary for Subcatchment 26S: POST - 57

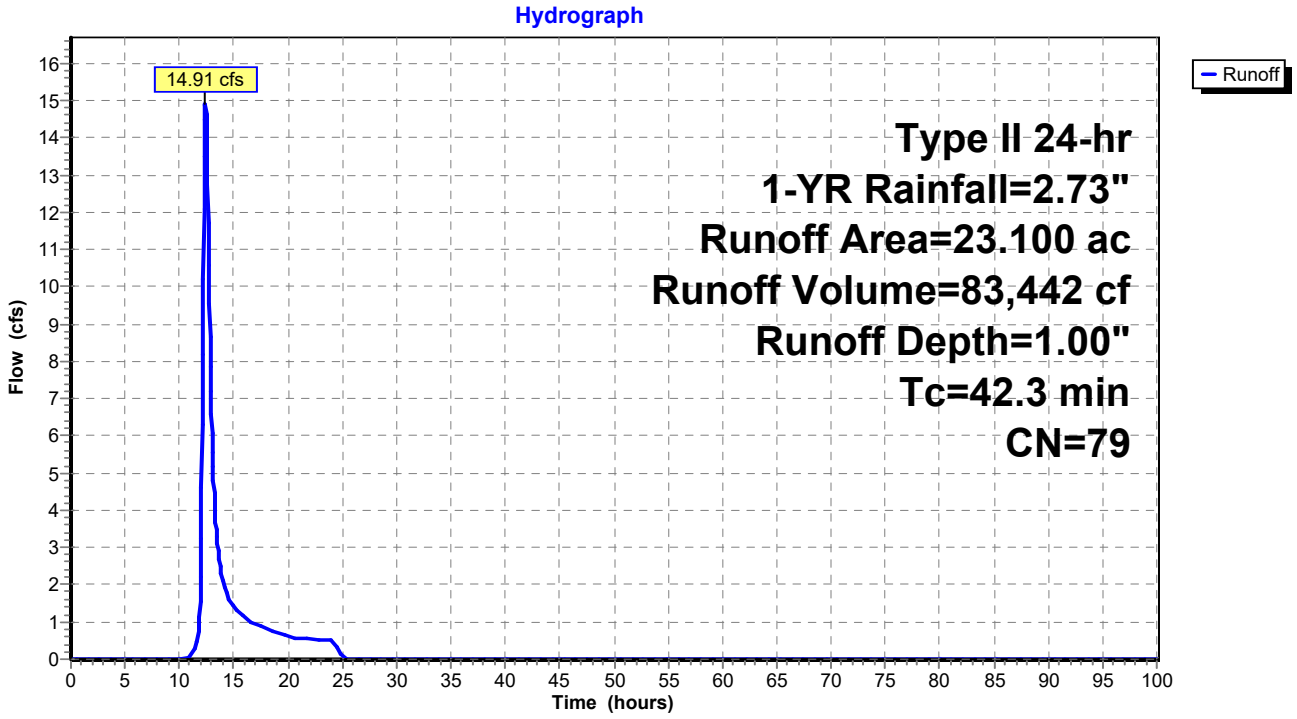
Runoff = 14.91 cfs @ 12.42 hrs, Volume= 83,442 cf, Depth= 1.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 57



Summary for Subcatchment 27S: PRE - 58

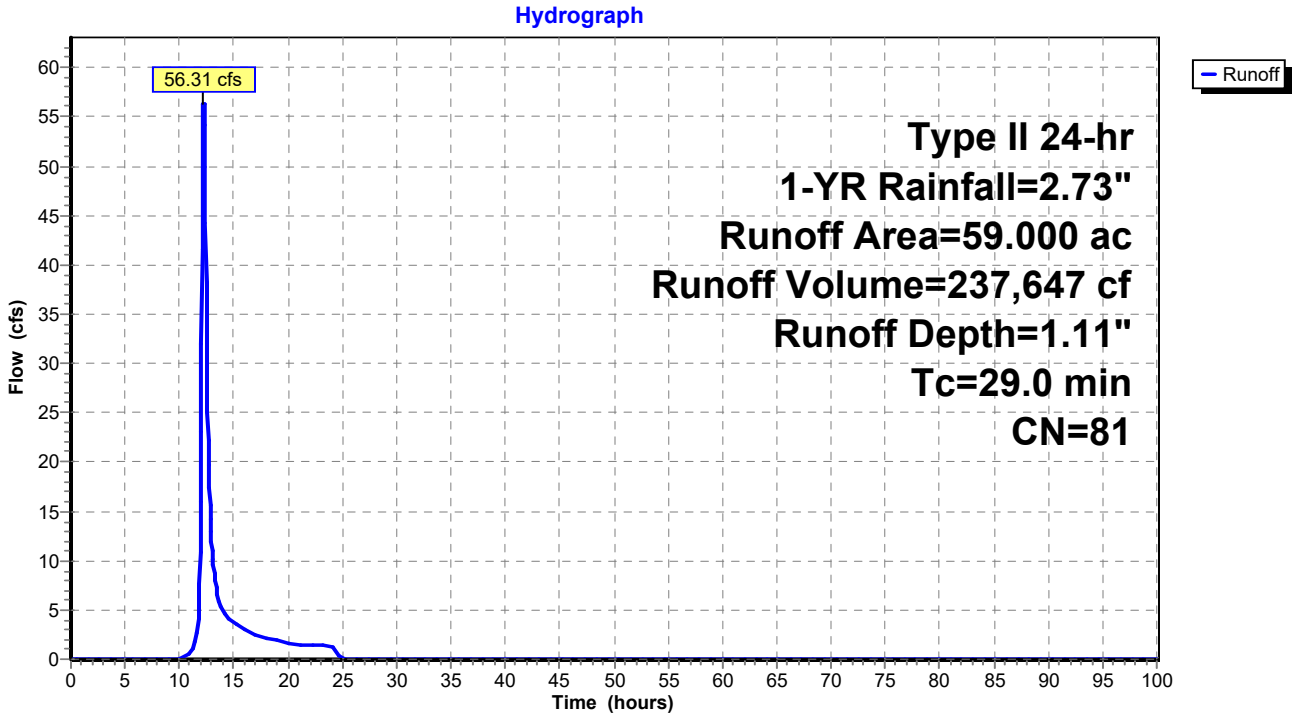
Runoff = 56.31 cfs @ 12.24 hrs, Volume= 237,647 cf, Depth= 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 27S: PRE - 58



Summary for Subcatchment 28S: POST - 58

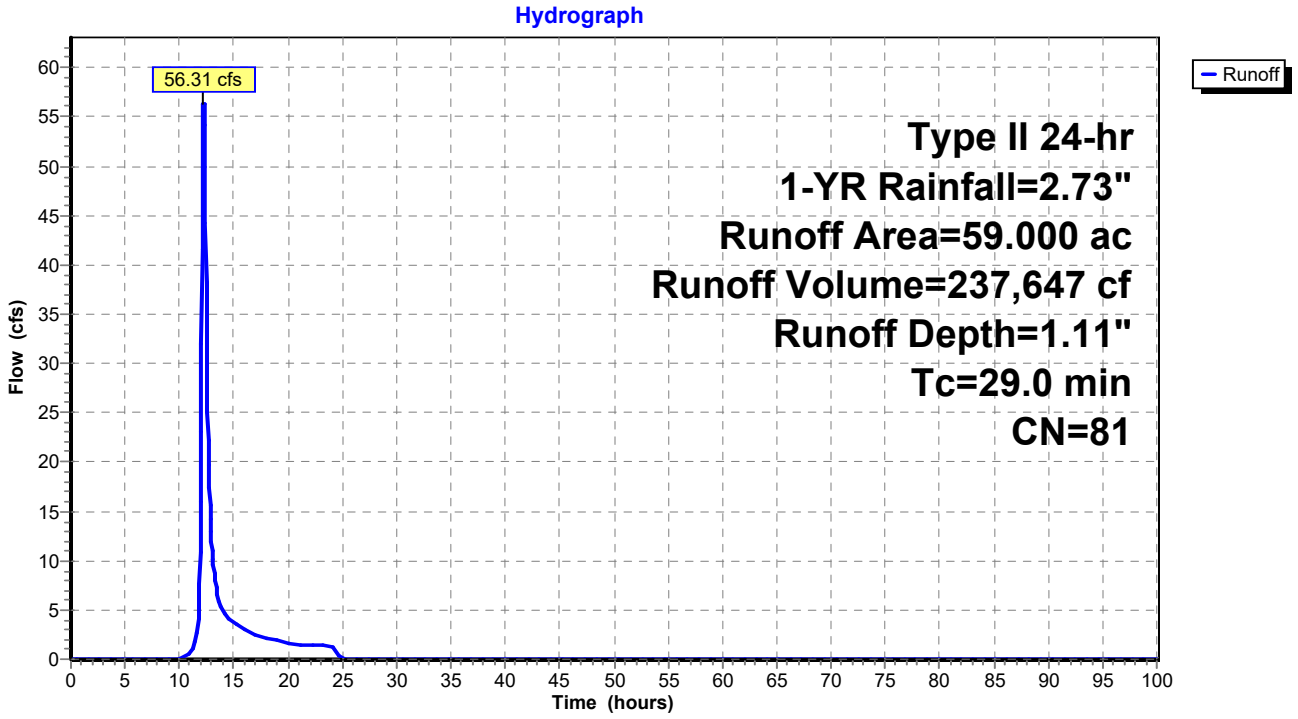
Runoff = 56.31 cfs @ 12.24 hrs, Volume= 237,647 cf, Depth= 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 28S: POST - 58



Summary for Subcatchment 29S: PRE - 59

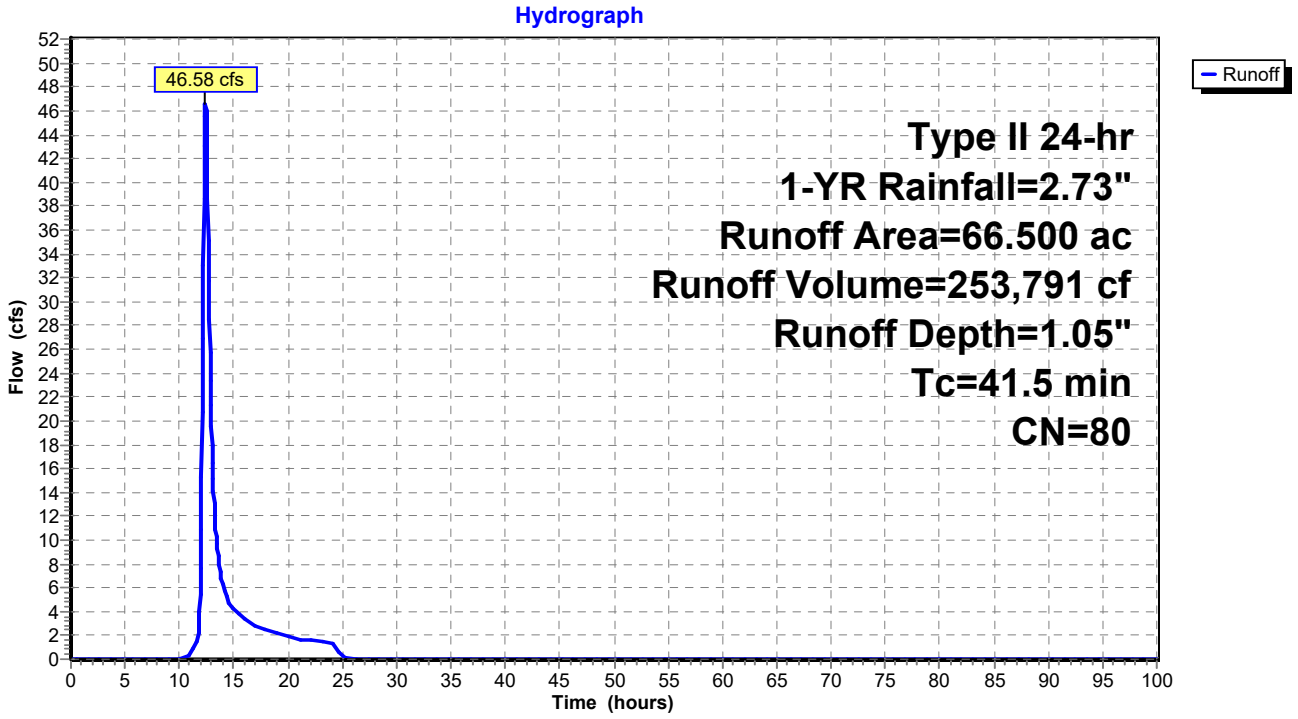
Runoff = 46.58 cfs @ 12.41 hrs, Volume= 253,791 cf, Depth= 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	66.500	80	
	66.500		100.00% Pervious Area

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

Subcatchment 29S: PRE - 59



Summary for Subcatchment 30S: POST - 59

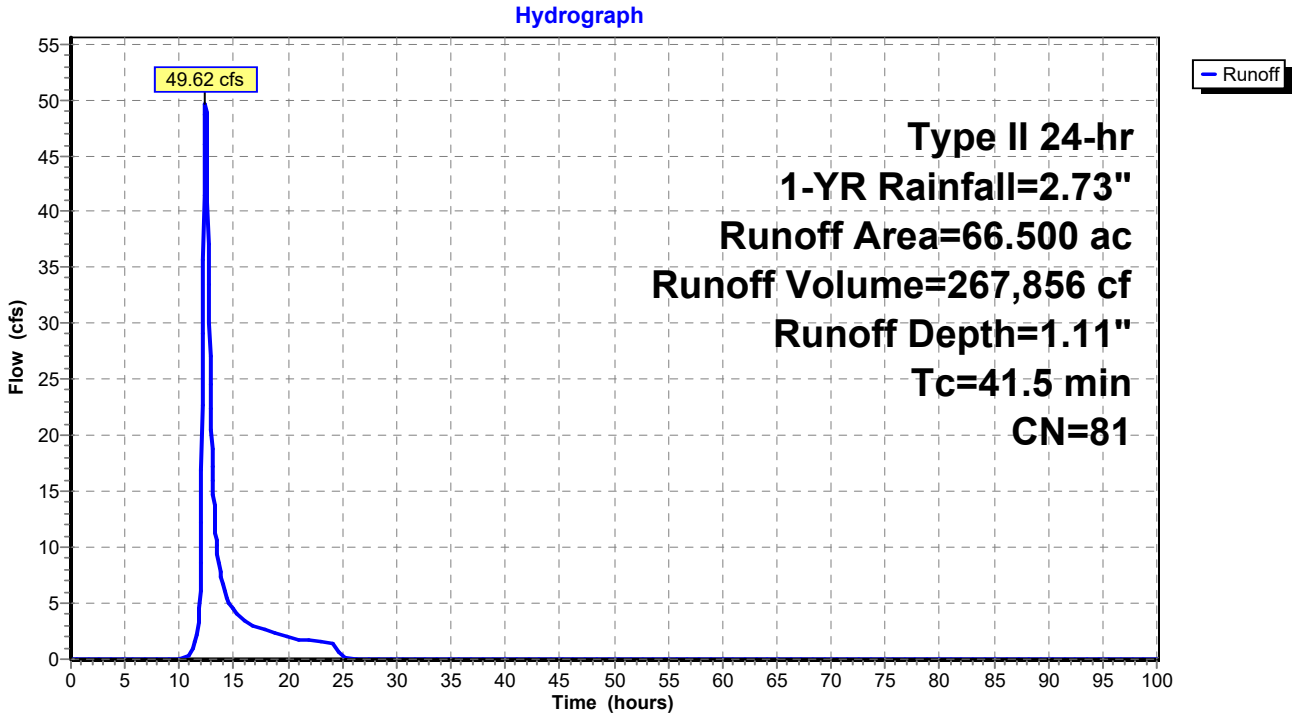
Runoff = 49.62 cfs @ 12.40 hrs, Volume= 267,856 cf, Depth= 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 1-YR Rainfall=2.73"

	Area (ac)	CN	Description
*	66.500	81	
	66.500		100.00% Pervious Area

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

Subcatchment 30S: POST - 59



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=1.40"
Tc=34.7 min CN=79 Runoff=33.08 cfs 156,538 cf

Subcatchment2S: POST - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=1.40"
Tc=32.9 min CN=79 Runoff=34.33 cfs 156,538 cf

Subcatchment3S: PRE - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=0.93"
Tc=23.8 min CN=71 Runoff=30.88 cfs 123,238 cf

Subcatchment4S: POST - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=0.99"
Tc=25.8 min CN=72 Runoff=31.48 cfs 130,277 cf

Subcatchment5S: PRE - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=1.16"
Tc=47.4 min CN=75 Runoff=15.08 cfs 92,264 cf

Subcatchment6S: POST - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=1.28"
Tc=51.9 min CN=77 Runoff=15.91 cfs 101,942 cf

Subcatchment7S: PRE - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=1.34"
Tc=26.6 min CN=78 Runoff=35.19 cfs 140,057 cf

Subcatchment8S: POST - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=1.47"
Tc=29.4 min CN=80 Runoff=36.54 cfs 153,834 cf

Subcatchment9S: PRE - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=0.93"
Tc=12.2 min CN=71 Runoff=10.35 cfs 28,101 cf

Subcatchment10S: POST - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=1.16"
Tc=13.1 min CN=75 Runoff=12.83 cfs 34,809 cf

Subcatchment11S: PRE - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=0.88"
Tc=20.0 min CN=70 Runoff=7.06 cfs 25,583 cf

Subcatchment12S: POST - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=1.10"
Tc=21.7 min CN=74 Runoff=8.81 cfs 31,864 cf

Subcatchment13S: PRE - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=1.22"
Tc=53.0 min CN=76 Runoff=64.04 cfs 420,338 cf

Subcatchment14S: POST - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=1.28"
Tc=46.6 min CN=77 Runoff=74.52 cfs 441,595 cf

Subcatchment15S: PRE - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=0.64"
Tc=25.6 min CN=65 Runoff=1.89 cfs 9,126 cf

Subcatchment16S: POST - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=0.83"
Tc=27.2 min CN=69 Runoff=2.60 cfs 11,761 cf

Subcatchment17S: PRE - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=1.10"
Tc=31.9 min CN=74 Runoff=11.18 cfs 52,177 cf

Subcatchment18S: POST - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=1.34"
Tc=22.7 min CN=78 Runoff=17.68 cfs 63,707 cf

Subcatchment19S: PRE - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=1.28"
Tc=50.3 min CN=77 Runoff=65.09 cfs 407,768 cf

Subcatchment20S: POST - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=1.34"
Tc=42.4 min CN=78 Runoff=78.07 cfs 427,953 cf

Subcatchment21S: PRE - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=1.61"
Tc=30.5 min CN=82 Runoff=29.59 cfs 126,297 cf

Subcatchment22S: POST - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=1.61"
Tc=30.4 min CN=82 Runoff=29.62 cfs 126,297 cf

Subcatchment23S: PRE - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=1.54"
Tc=22.5 min CN=81 Runoff=11.87 cfs 41,931 cf

Subcatchment24S: POST - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=1.61"
Tc=23.4 min CN=82 Runoff=12.15 cfs 43,853 cf

Subcatchment25S: PRE - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=1.40"
Tc=40.6 min CN=79 Runoff=22.31 cfs 117,786 cf

Subcatchment26S: POST - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=1.40"
Tc=42.3 min CN=79 Runoff=21.63 cfs 117,786 cf

Subcatchment27S: PRE - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=1.54"
Tc=29.0 min CN=81 Runoff=79.47 cfs 329,855 cf

Subcatchment28S: POST - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=1.54"
Tc=29.0 min CN=81 Runoff=79.47 cfs 329,855 cf

Subcatchment29S: PRE - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=1.47"
Tc=41.5 min CN=80 Runoff=66.72 cfs 355,207 cf

Subcatchment30S: POST - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=1.54"
Tc=41.5 min CN=81 Runoff=70.21 cfs 371,786 cf

Total Runoff Area = 44,622,864 sf Runoff Volume = 4,970,123 cf Average Runoff Depth = 1.34"
100.00% Pervious = 44,622,864 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 60

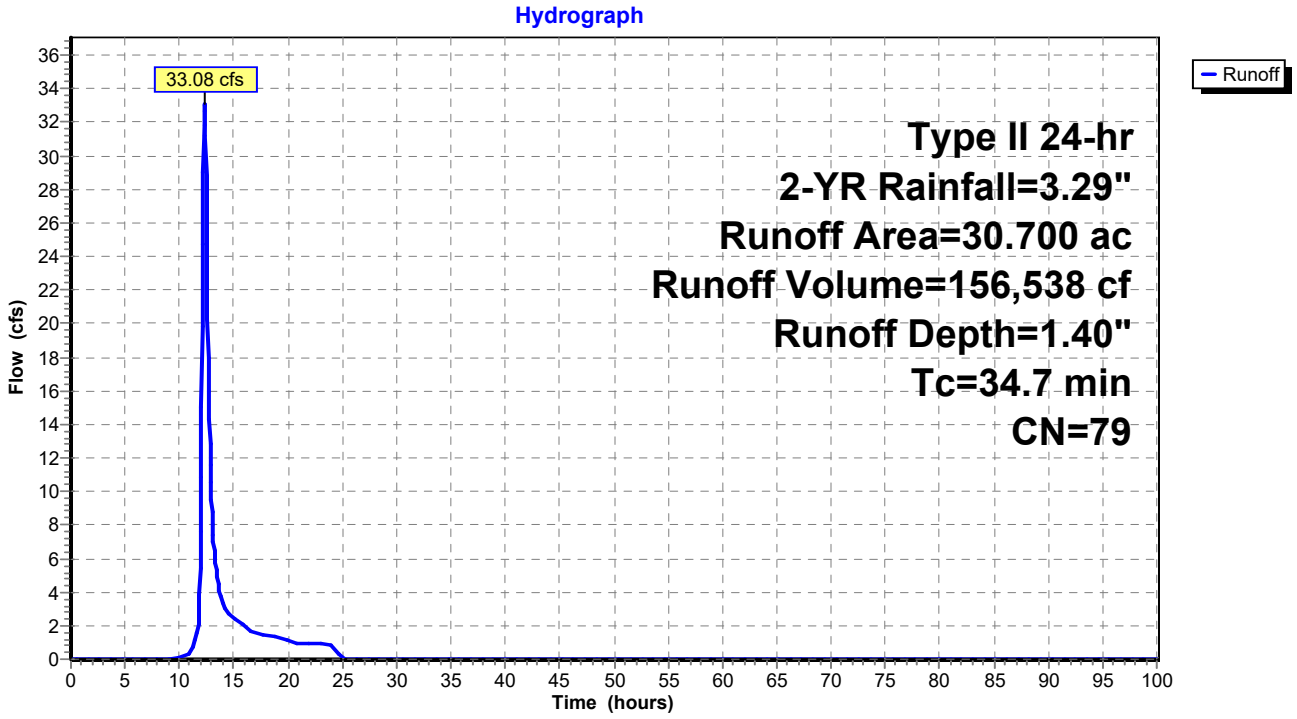
Runoff = 33.08 cfs @ 12.31 hrs, Volume= 156,538 cf, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 1S: PRE - 60



Summary for Subcatchment 2S: POST - 60

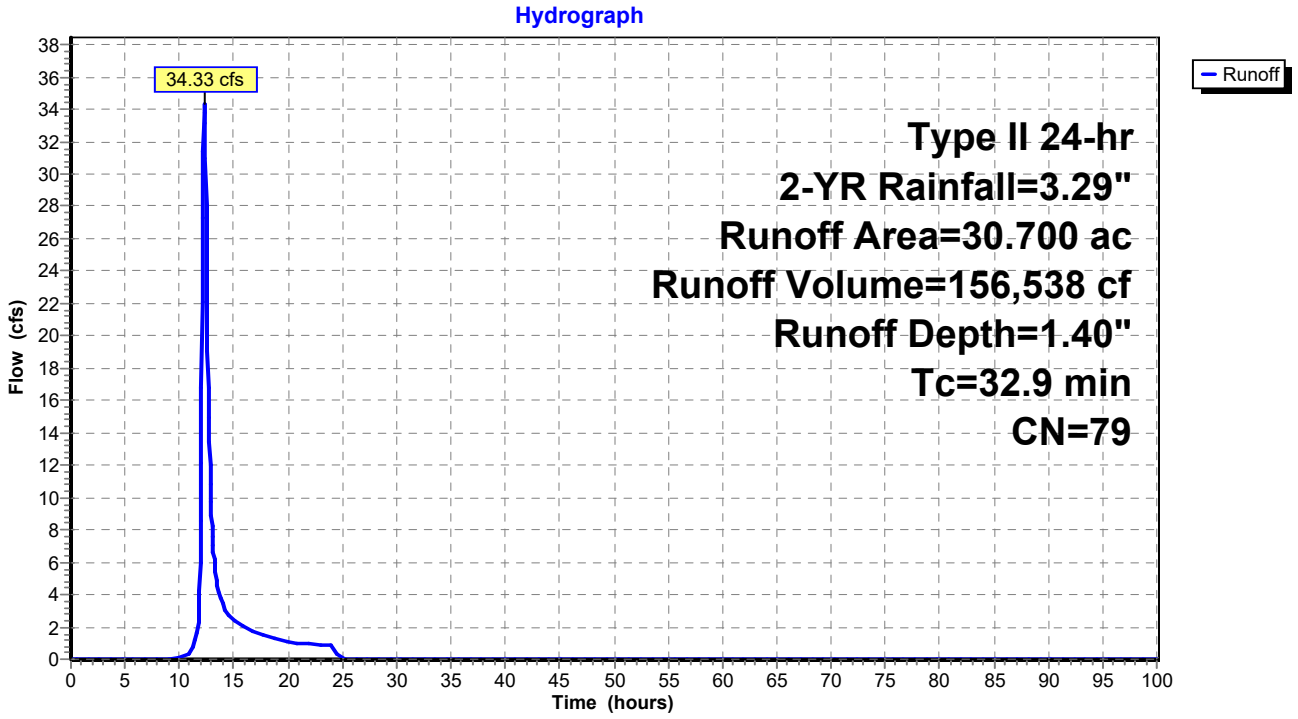
Runoff = 34.33 cfs @ 12.29 hrs, Volume= 156,538 cf, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 2S: POST - 60



Summary for Subcatchment 3S: PRE - 46

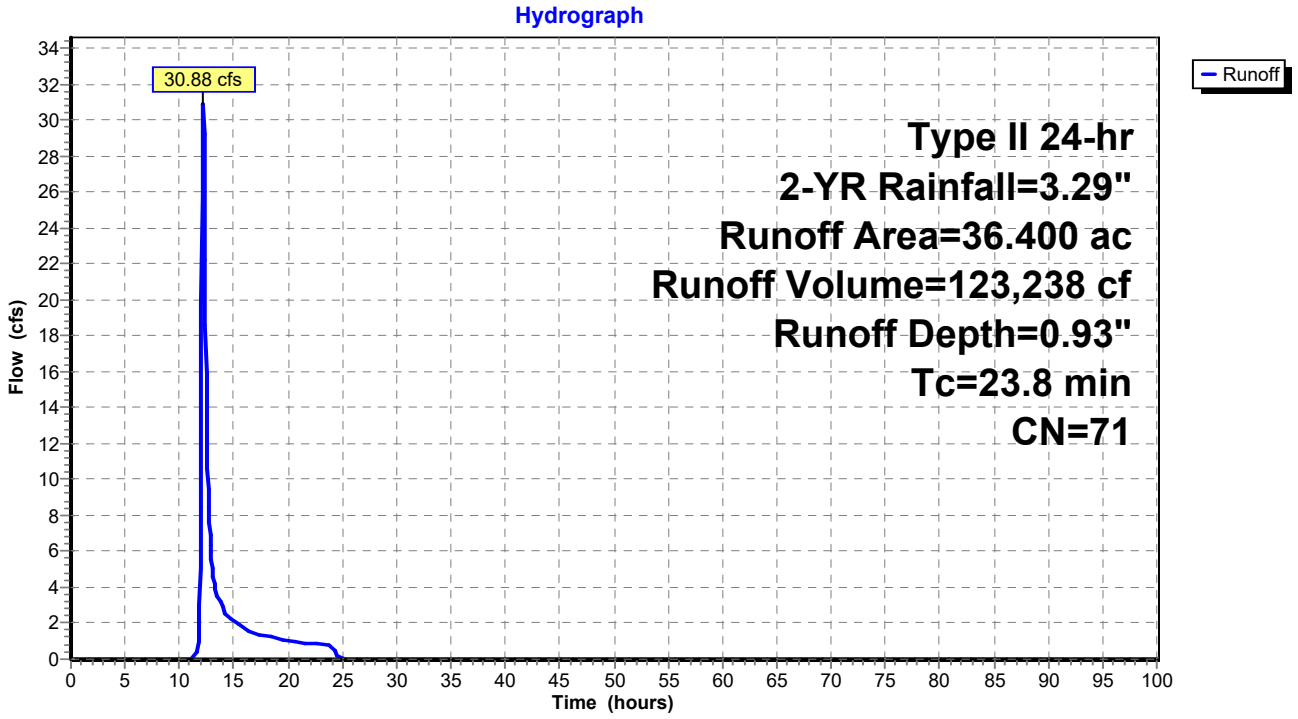
Runoff = 30.88 cfs @ 12.19 hrs, Volume= 123,238 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	36.400	71	
	36.400		100.00% Pervious Area

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

Subcatchment 3S: PRE - 46



Summary for Subcatchment 4S: POST - 46

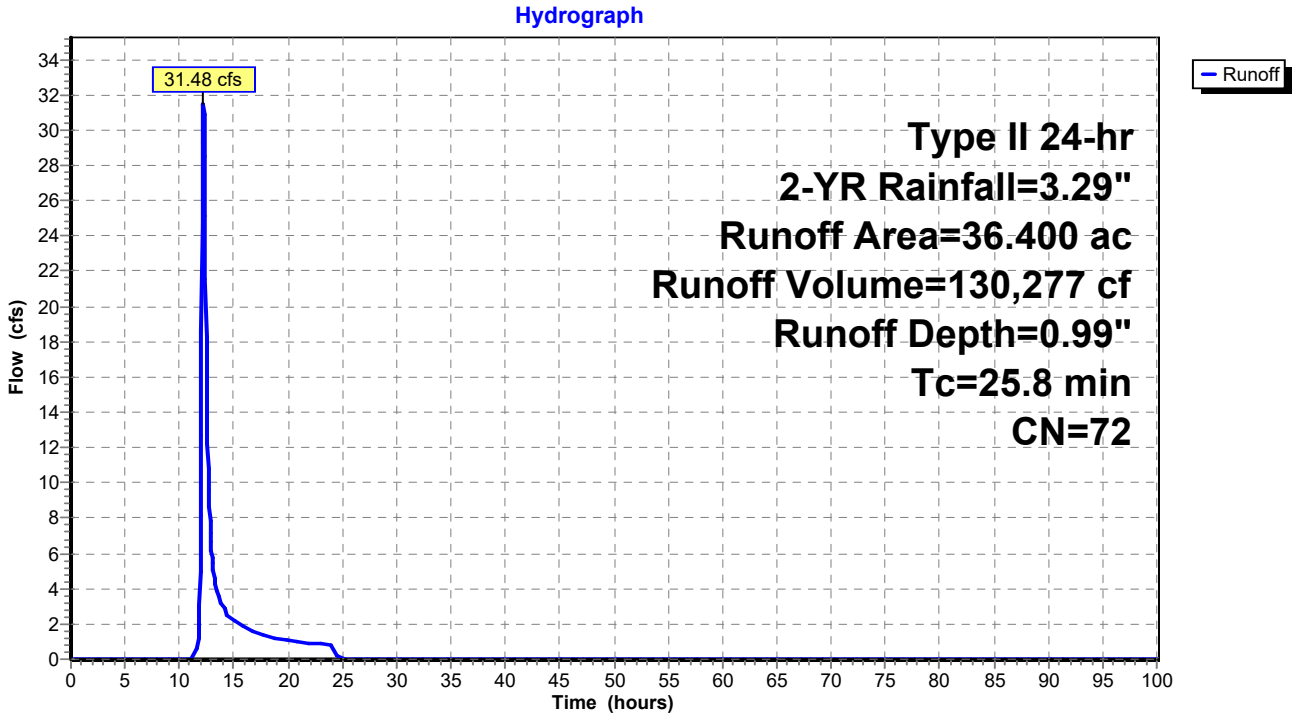
Runoff = 31.48 cfs @ 12.22 hrs, Volume= 130,277 cf, Depth= 0.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	36.400	72	
	36.400		100.00% Pervious Area

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

Subcatchment 4S: POST - 46



Summary for Subcatchment 5S: PRE - 47

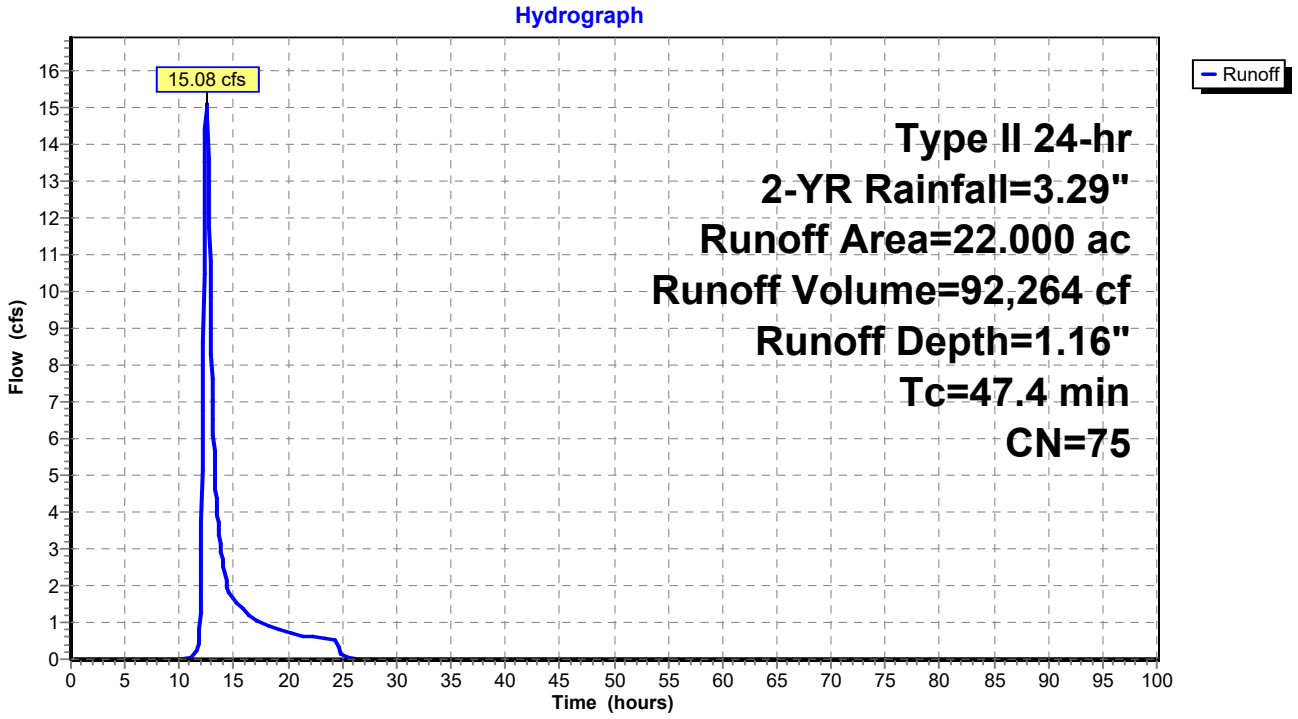
Runoff = 15.08 cfs @ 12.49 hrs, Volume= 92,264 cf, Depth= 1.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	22.000	75	
	22.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 47



Summary for Subcatchment 6S: POST - 47

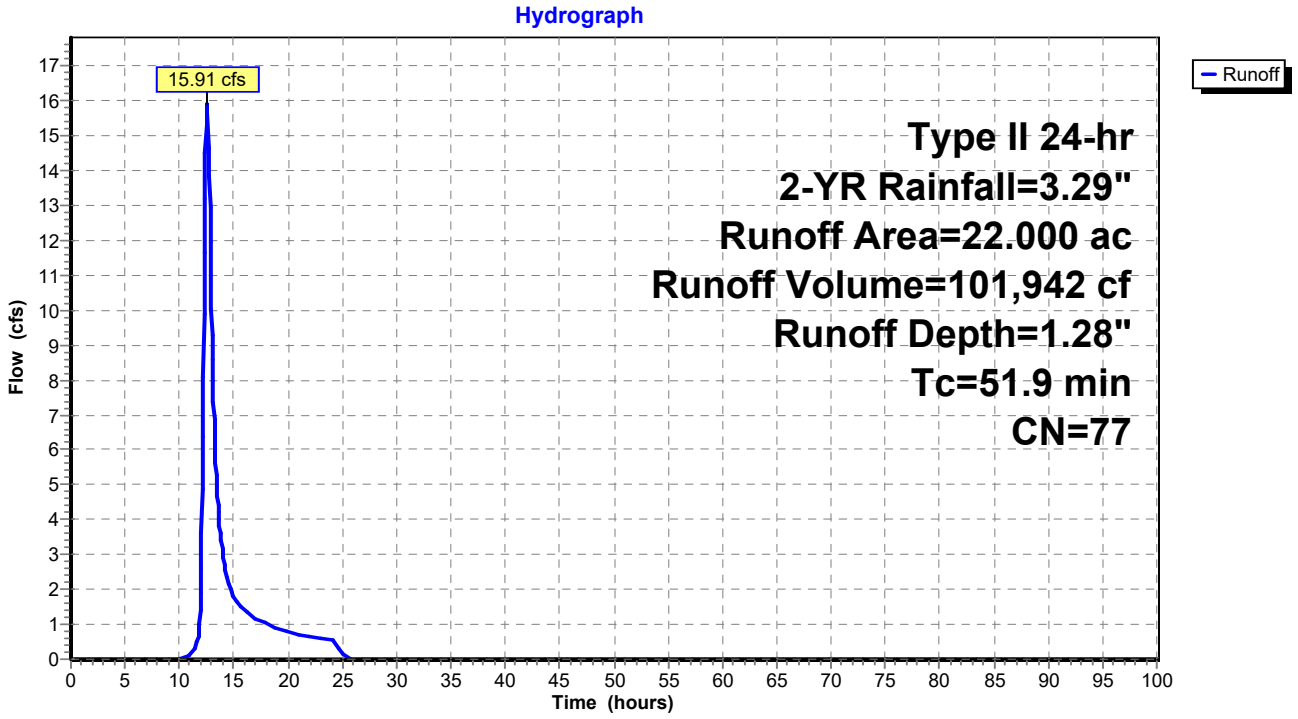
Runoff = 15.91 cfs @ 12.54 hrs, Volume= 101,942 cf, Depth= 1.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	22.000	77	
	22.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 47



Summary for Subcatchment 7S: PRE - 48

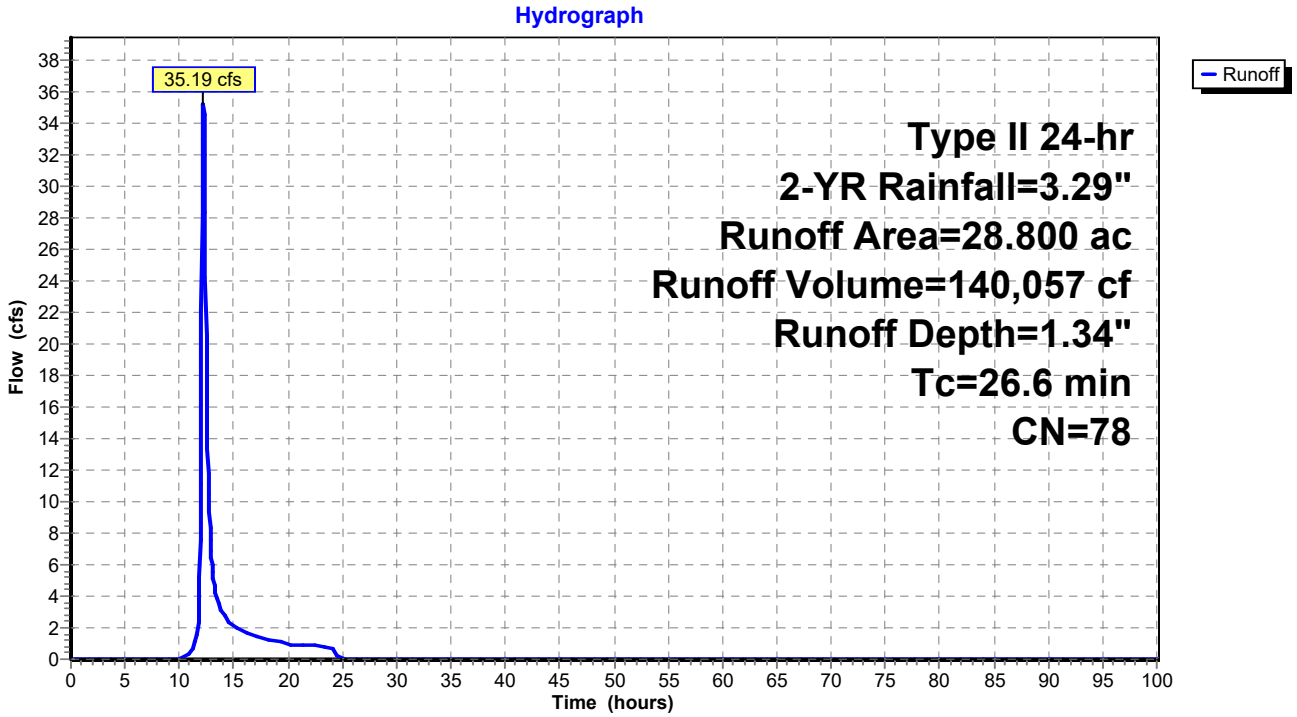
Runoff = 35.19 cfs @ 12.21 hrs, Volume= 140,057 cf, Depth= 1.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	28.800	78	
	28.800		100.00% Pervious Area

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

Subcatchment 7S: PRE - 48



Summary for Subcatchment 8S: POST - 48

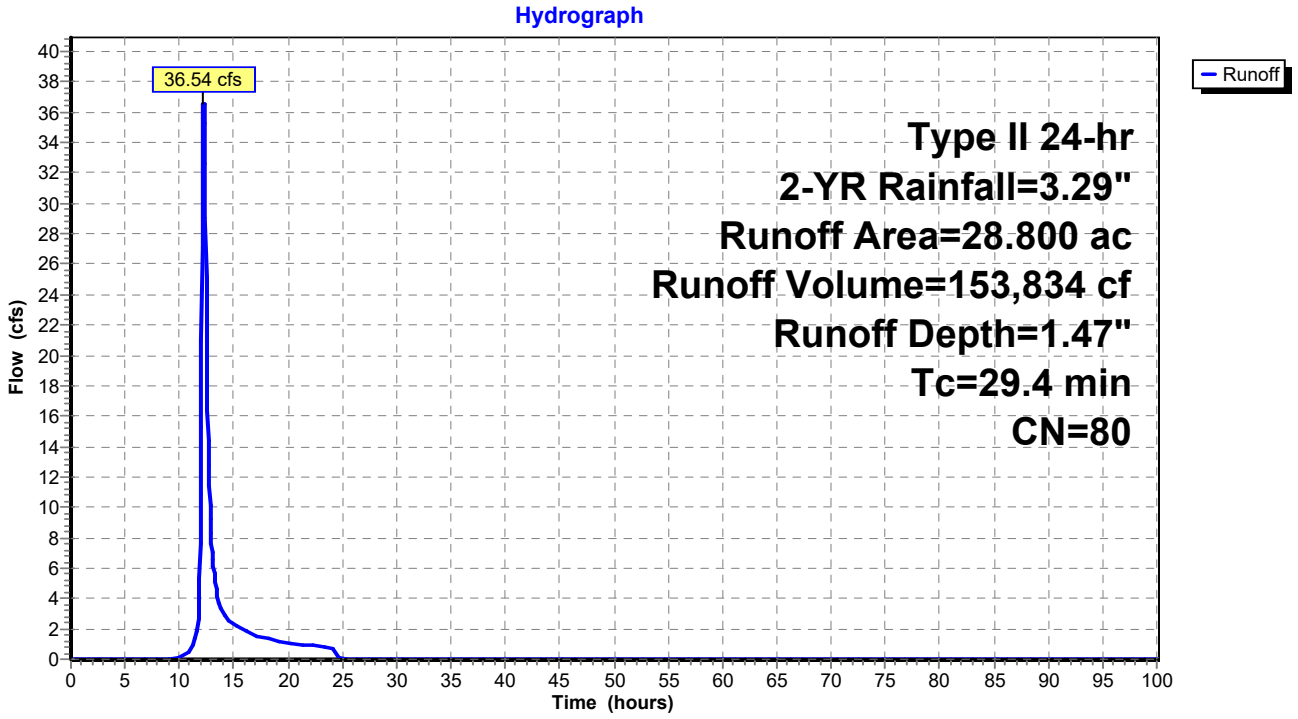
Runoff = 36.54 cfs @ 12.25 hrs, Volume= 153,834 cf, Depth= 1.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	28.800	80	
	28.800		100.00% Pervious Area

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

Subcatchment 8S: POST - 48



Summary for Subcatchment 9S: PRE - 49

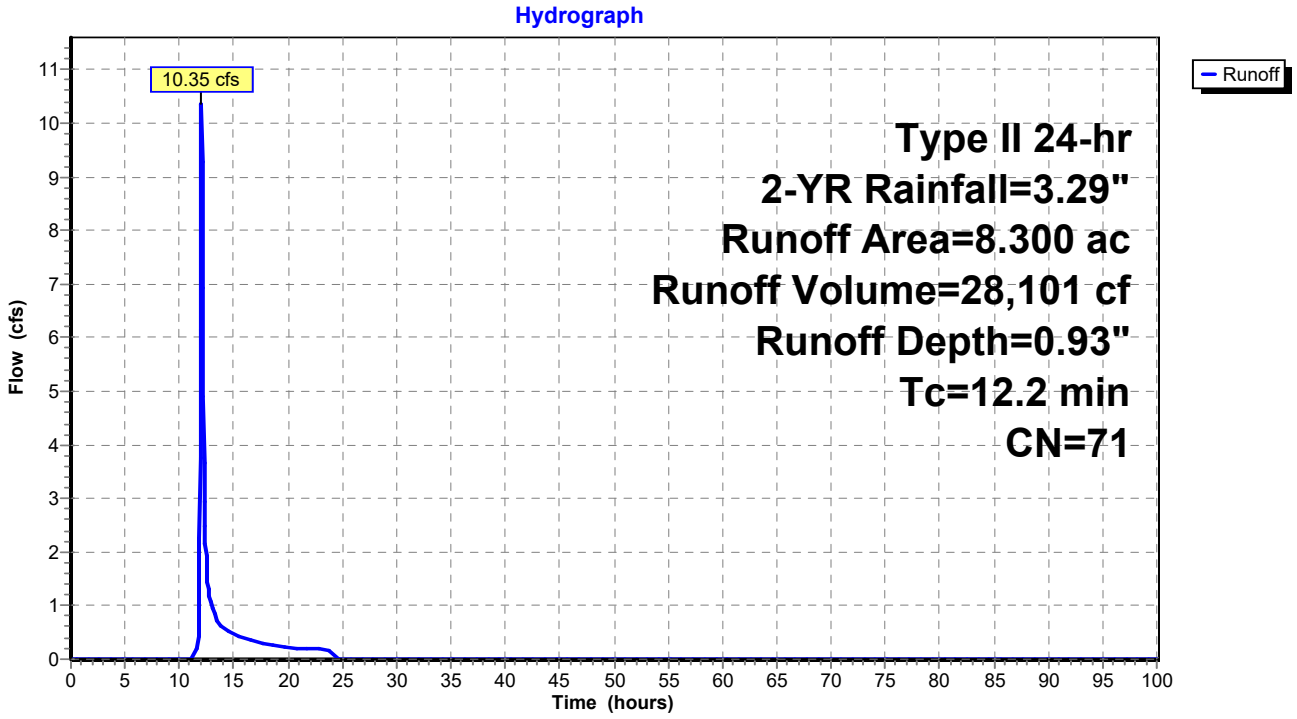
Runoff = 10.35 cfs @ 12.05 hrs, Volume= 28,101 cf, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	8.300	71	
	8.300		100.00% Pervious Area

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

Subcatchment 9S: PRE - 49



Summary for Subcatchment 10S: POST - 49

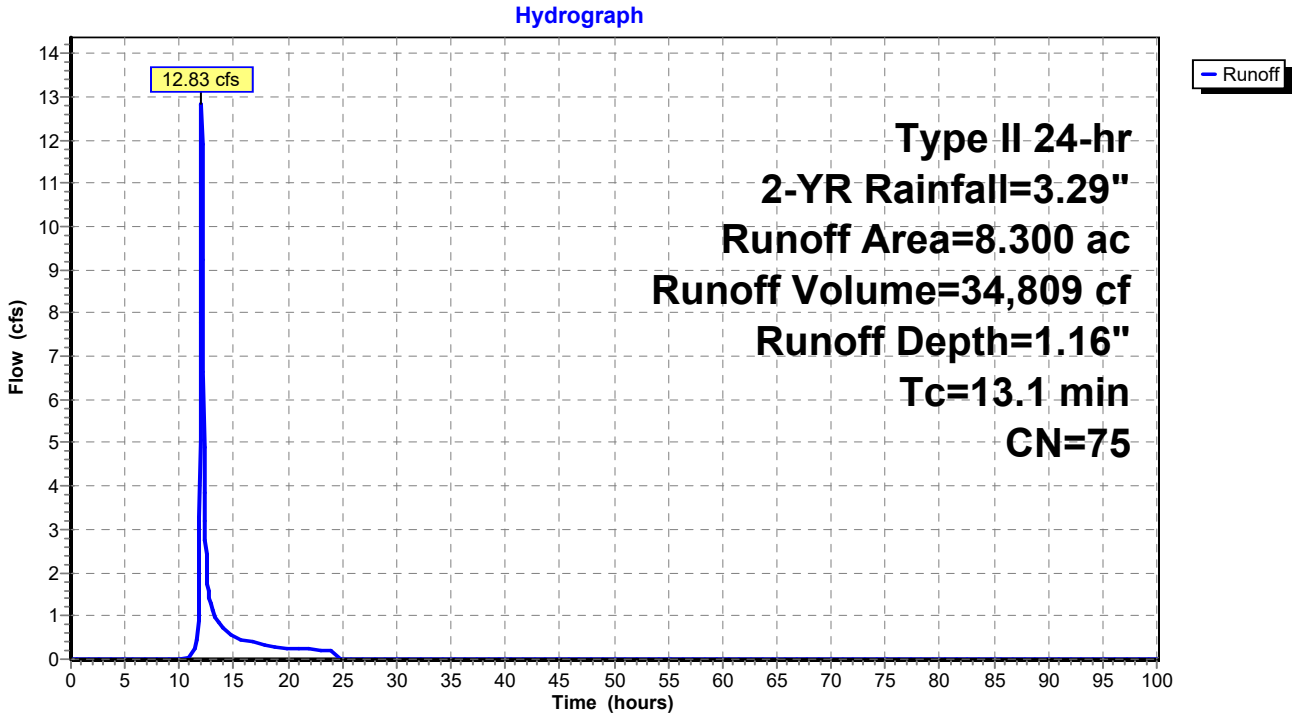
Runoff = 12.83 cfs @ 12.06 hrs, Volume= 34,809 cf, Depth= 1.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	8.300	75	
	8.300		100.00% Pervious Area

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

Subcatchment 10S: POST - 49



Summary for Subcatchment 11S: PRE - 50

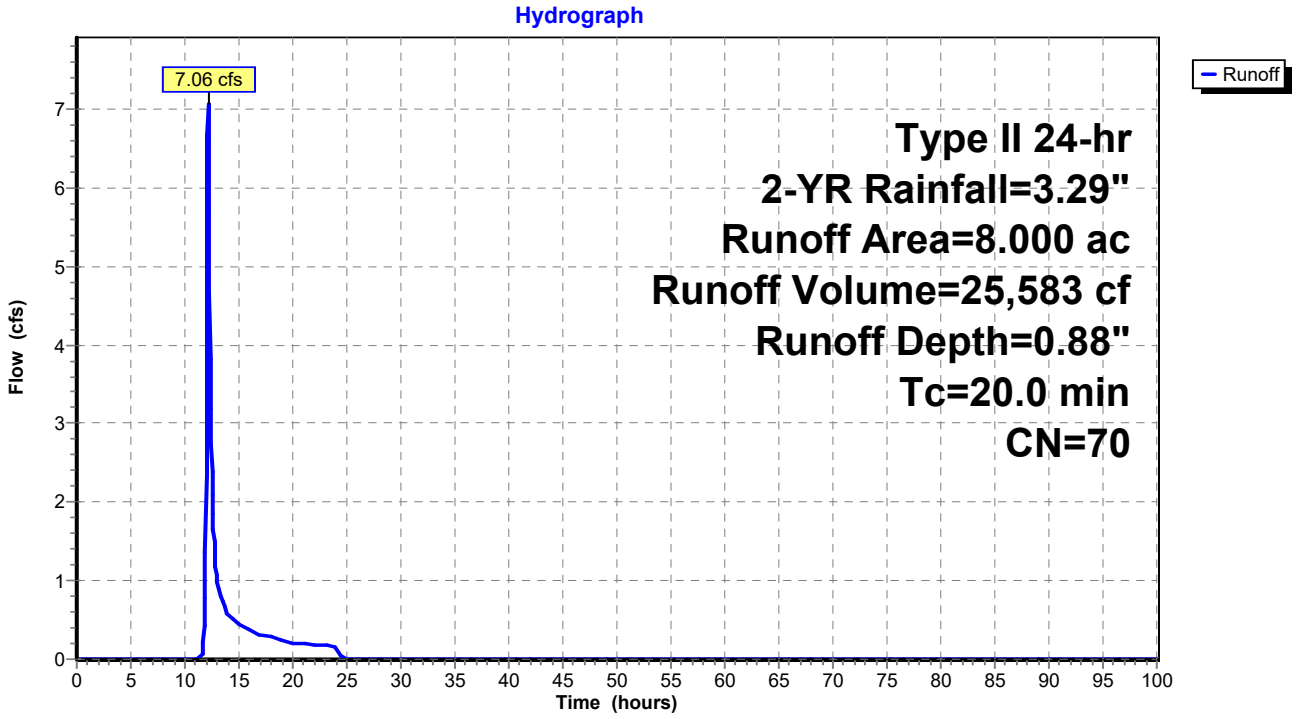
Runoff = 7.06 cfs @ 12.15 hrs, Volume= 25,583 cf, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	8.000	70	
	8.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 50



Summary for Subcatchment 12S: POST - 50

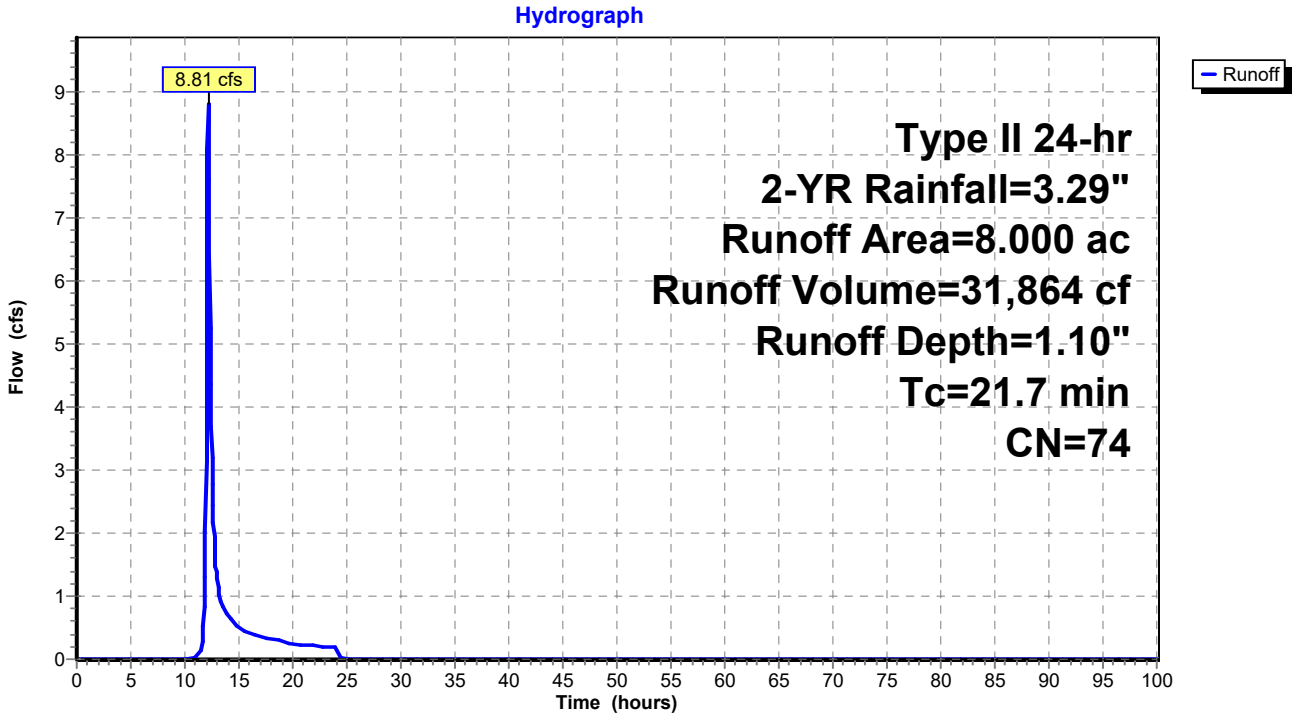
Runoff = 8.81 cfs @ 12.16 hrs, Volume= 31,864 cf, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	8.000	74	
	8.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 50



Summary for Subcatchment 13S: PRE - 51

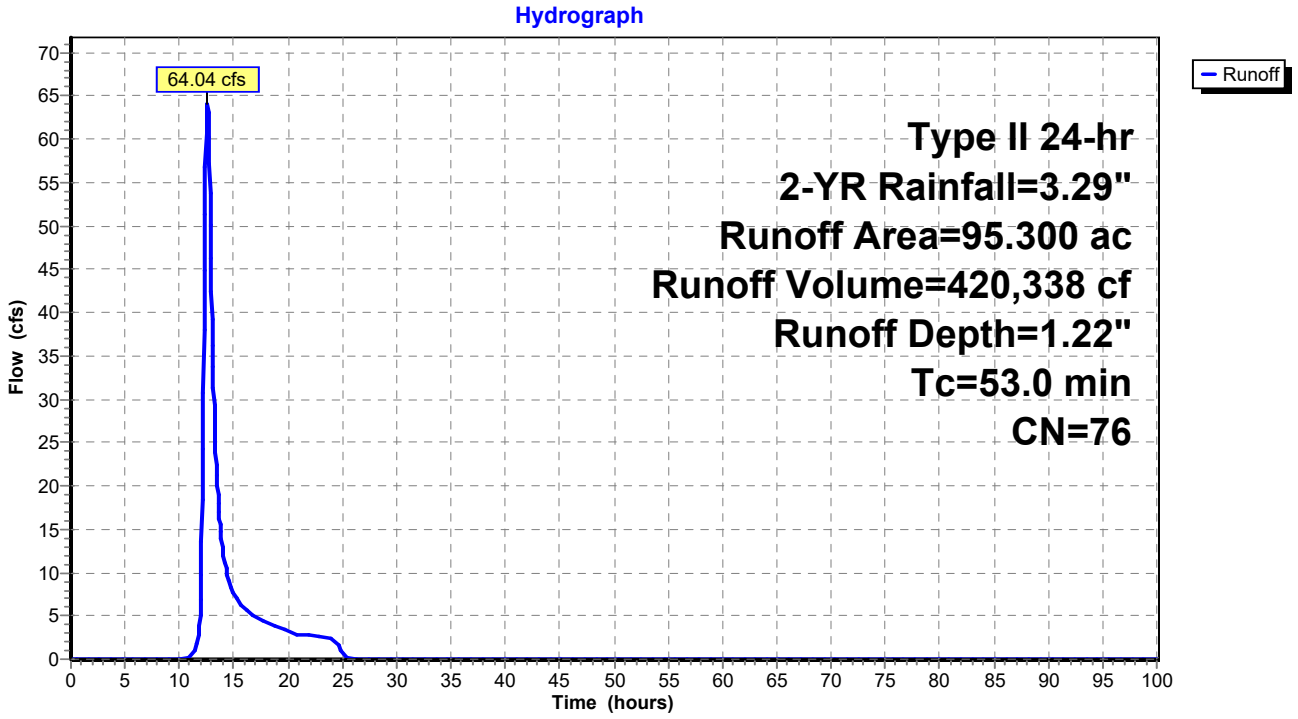
Runoff = 64.04 cfs @ 12.56 hrs, Volume= 420,338 cf, Depth= 1.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	95.300	76	
	95.300		100.00% Pervious Area

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

Subcatchment 13S: PRE - 51



Summary for Subcatchment 14S: POST - 51

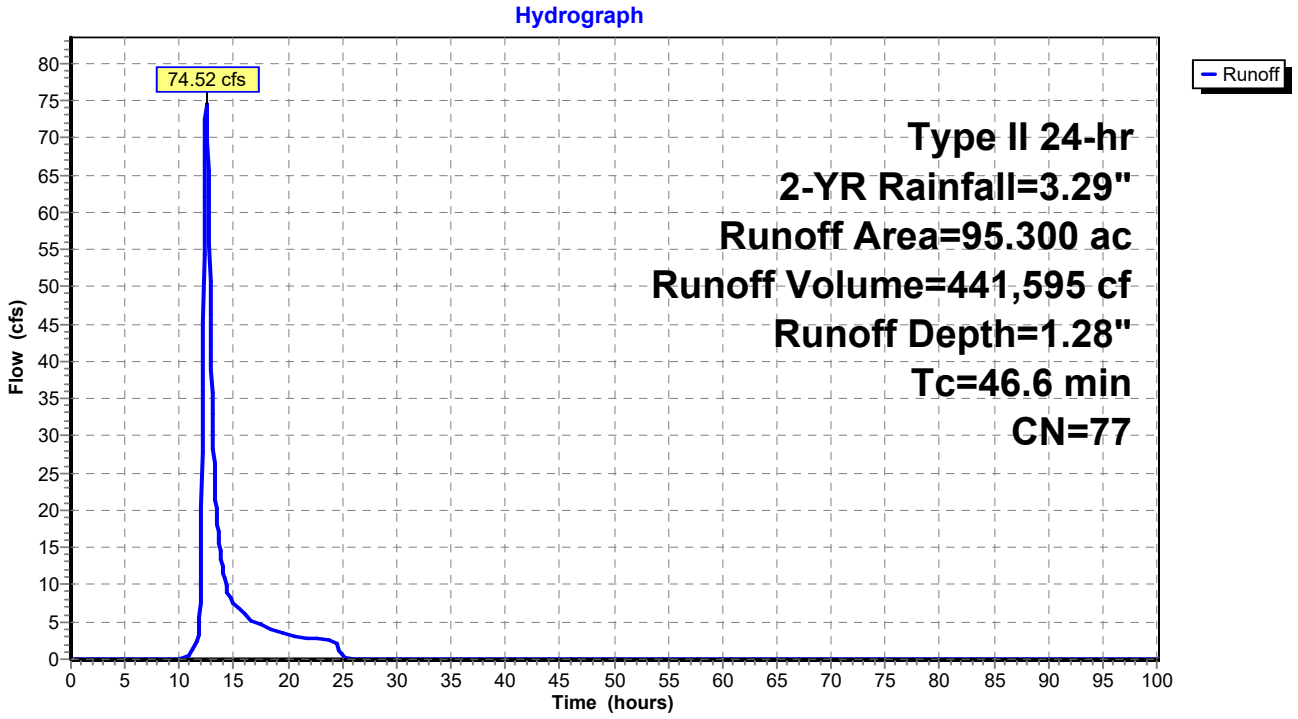
Runoff = 74.52 cfs @ 12.47 hrs, Volume= 441,595 cf, Depth= 1.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	95.300	77	
	95.300		100.00% Pervious Area

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

Subcatchment 14S: POST - 51



Summary for Subcatchment 15S: PRE - 52

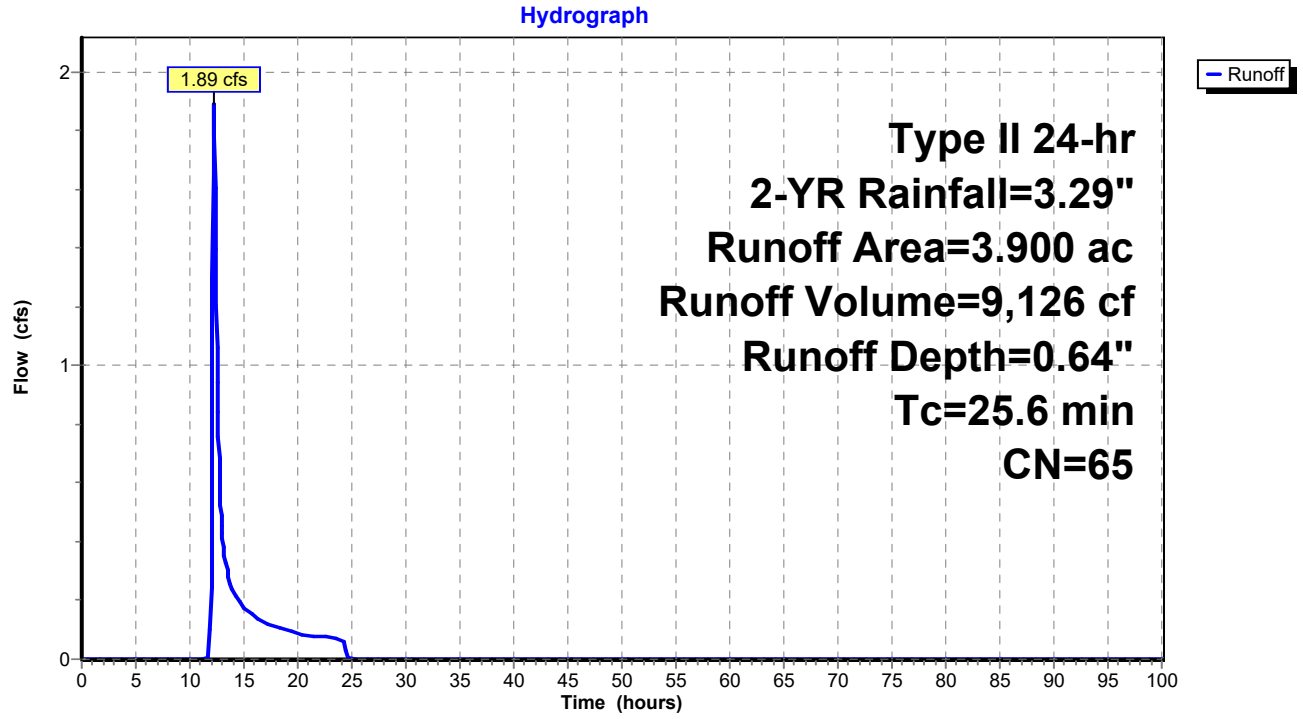
Runoff = 1.89 cfs @ 12.24 hrs, Volume= 9,126 cf, Depth= 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	3.900	65	
	3.900		100.00% Pervious Area

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

Subcatchment 15S: PRE - 52



Summary for Subcatchment 16S: POST - 52

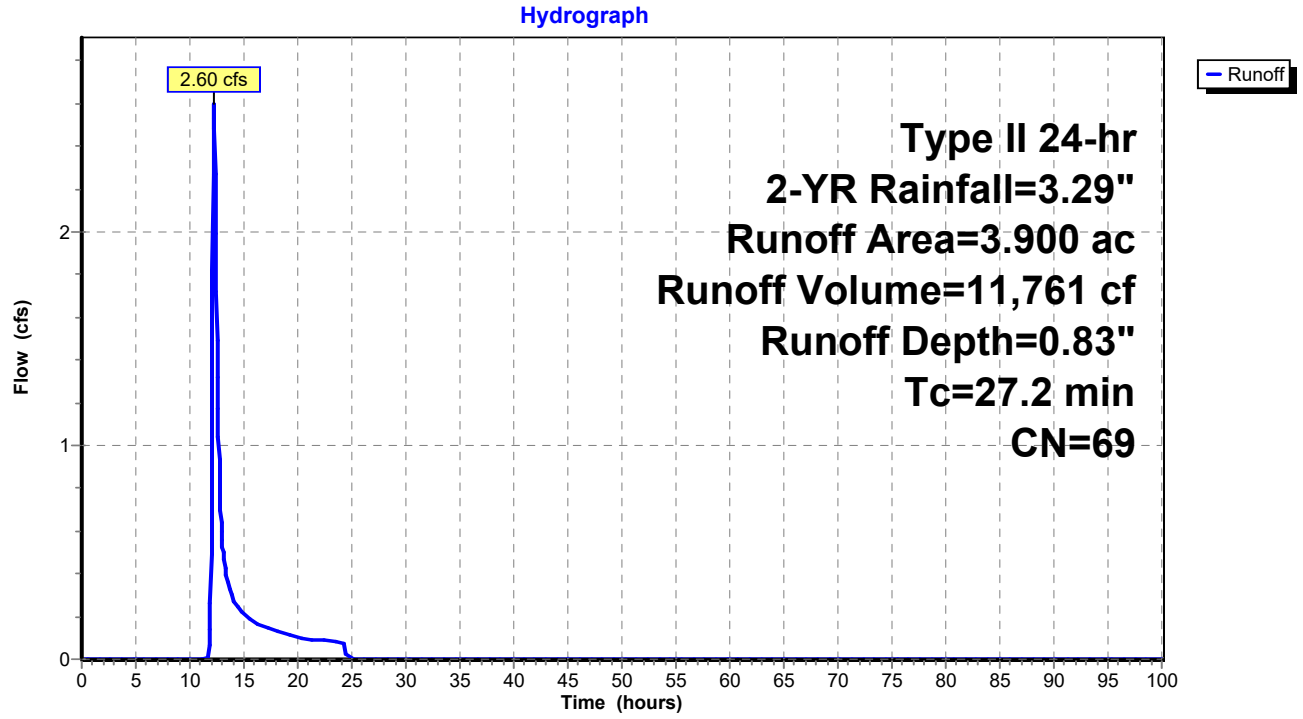
Runoff = 2.60 cfs @ 12.24 hrs, Volume= 11,761 cf, Depth= 0.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	3.900	69	
	3.900		100.00% Pervious Area

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

Subcatchment 16S: POST - 52



Summary for Subcatchment 17S: PRE - 53

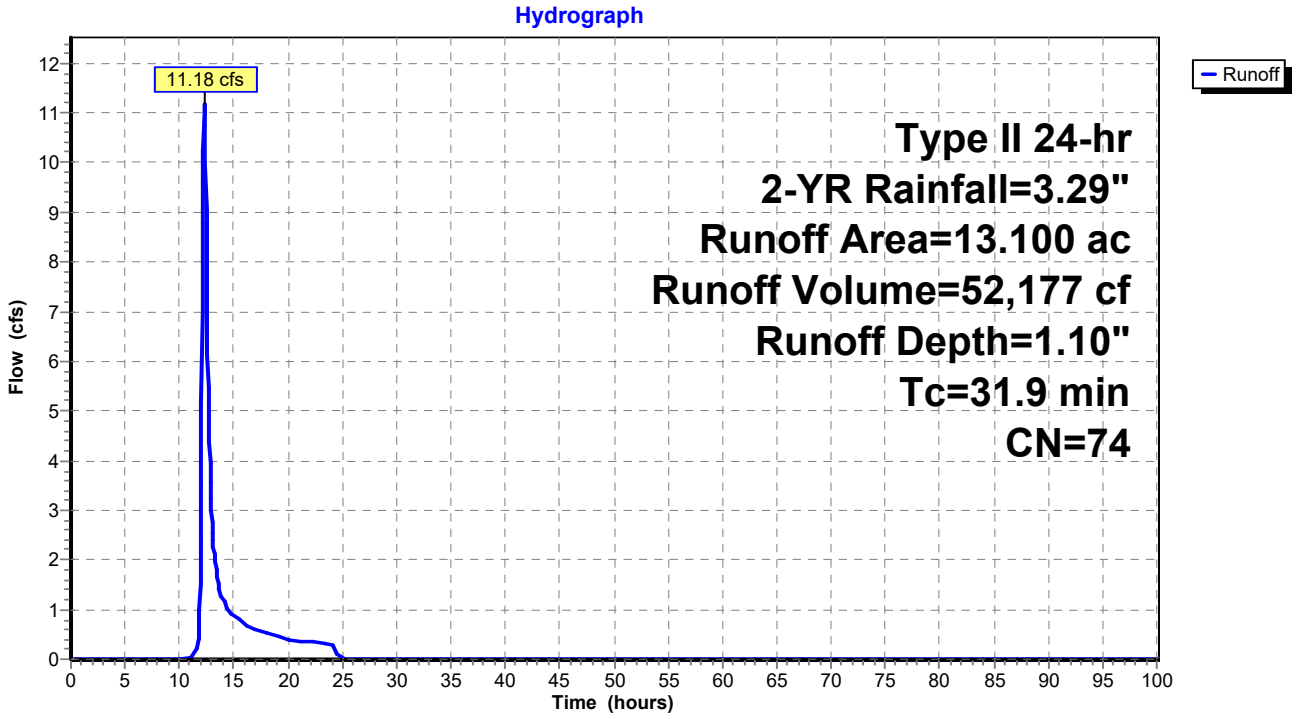
Runoff = 11.18 cfs @ 12.29 hrs, Volume= 52,177 cf, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	13.100	74	
	13.100		100.00% Pervious Area

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

Subcatchment 17S: PRE - 53



Summary for Subcatchment 18S: POST - 53

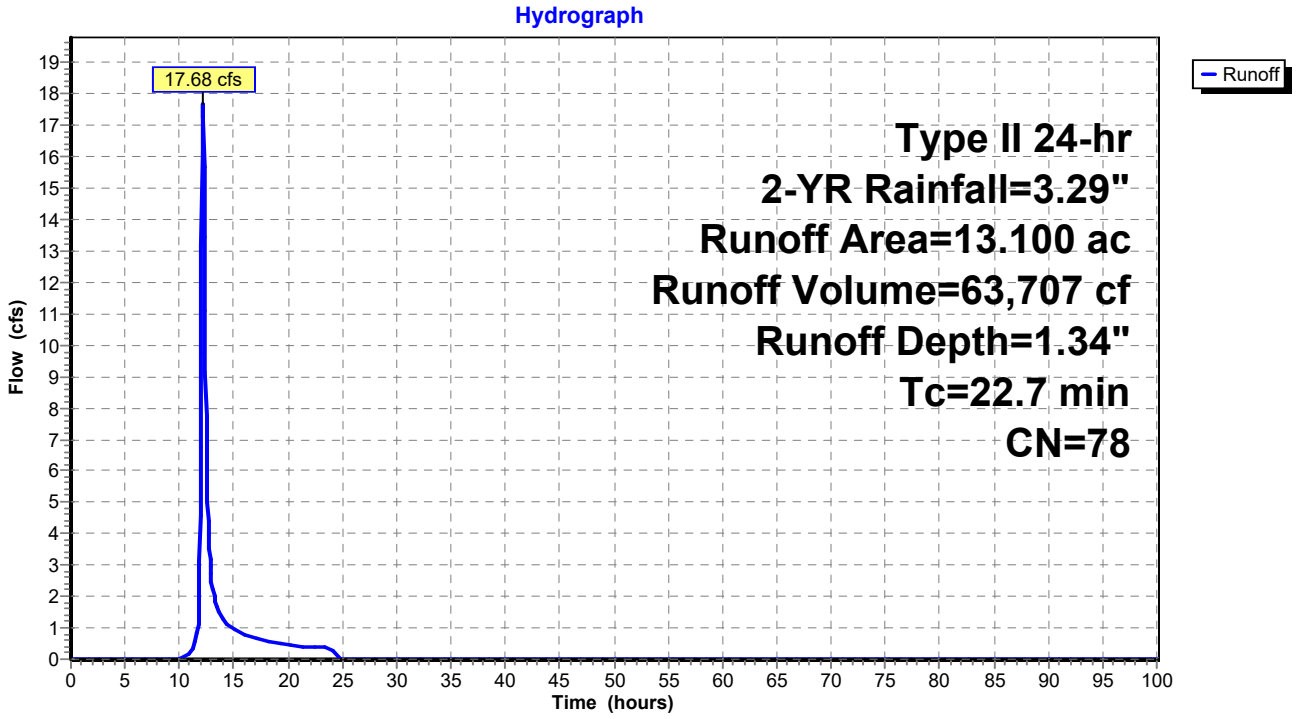
Runoff = 17.68 cfs @ 12.17 hrs, Volume= 63,707 cf, Depth= 1.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	13.100	78	
	13.100		100.00% Pervious Area

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

Subcatchment 18S: POST - 53



Summary for Subcatchment 19S: PRE - 54

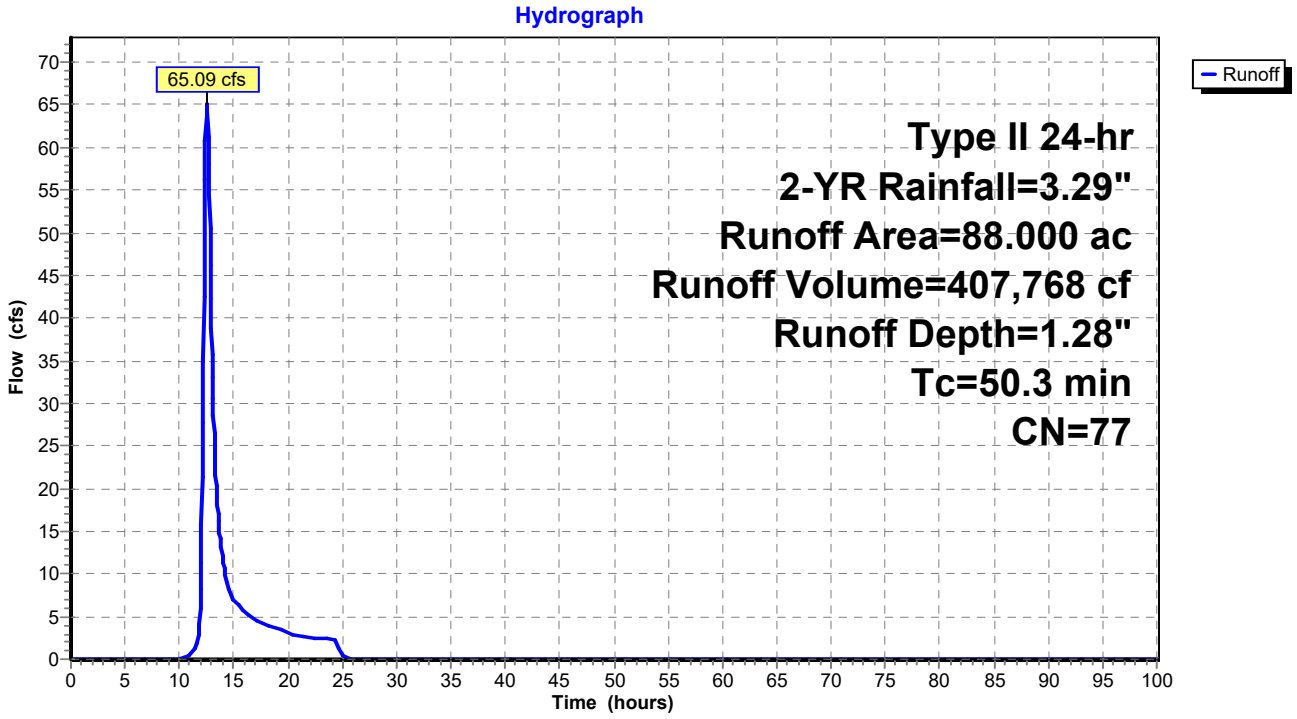
Runoff = 65.09 cfs @ 12.52 hrs, Volume= 407,768 cf, Depth= 1.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	88.000	77	
	88.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 54



Summary for Subcatchment 20S: POST - 54

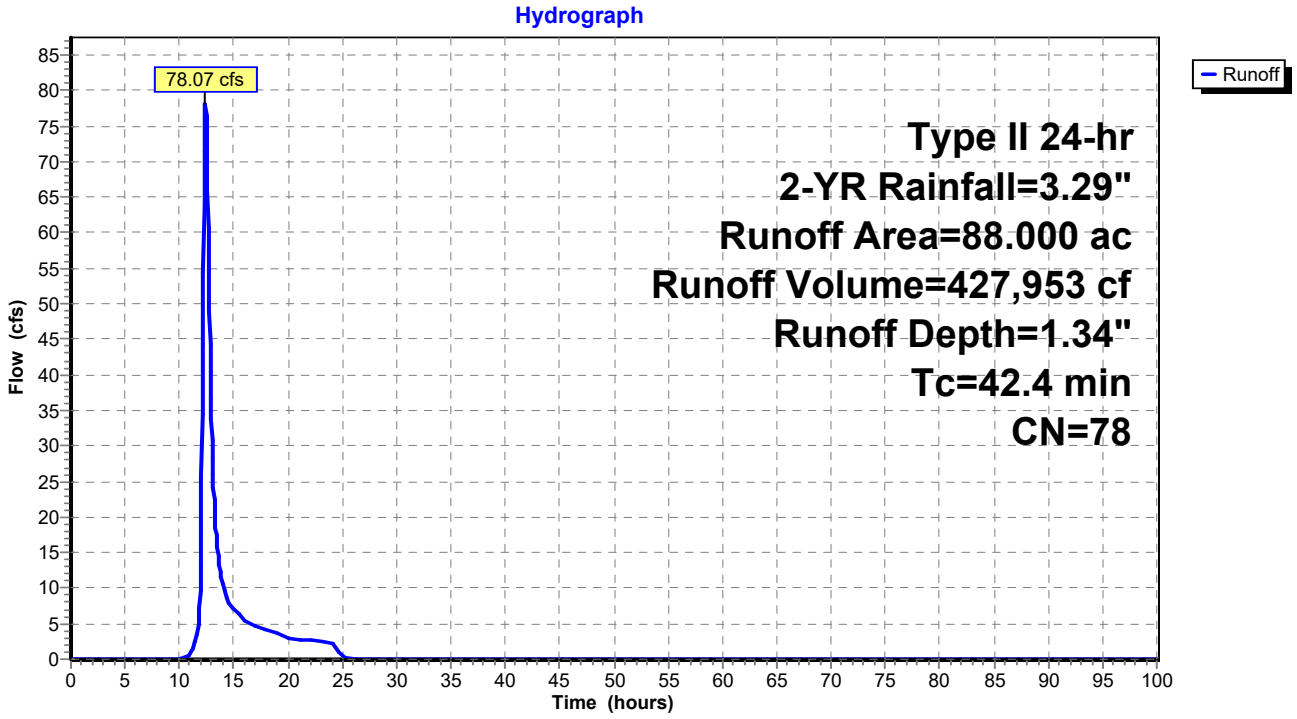
Runoff = 78.07 cfs @ 12.41 hrs, Volume= 427,953 cf, Depth= 1.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	88.000	78	
	88.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 54



Summary for Subcatchment 21S: PRE - 55

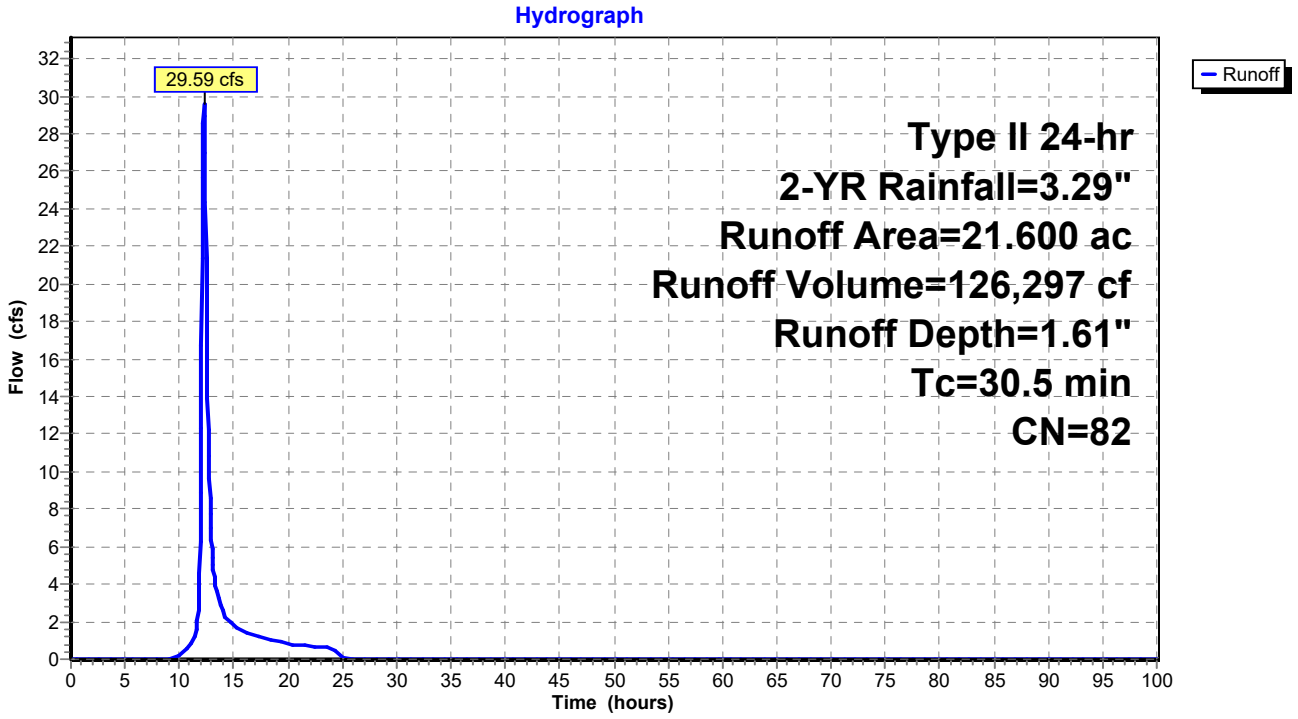
Runoff = 29.59 cfs @ 12.26 hrs, Volume= 126,297 cf, Depth= 1.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 21S: PRE - 55



Summary for Subcatchment 22S: POST - 55

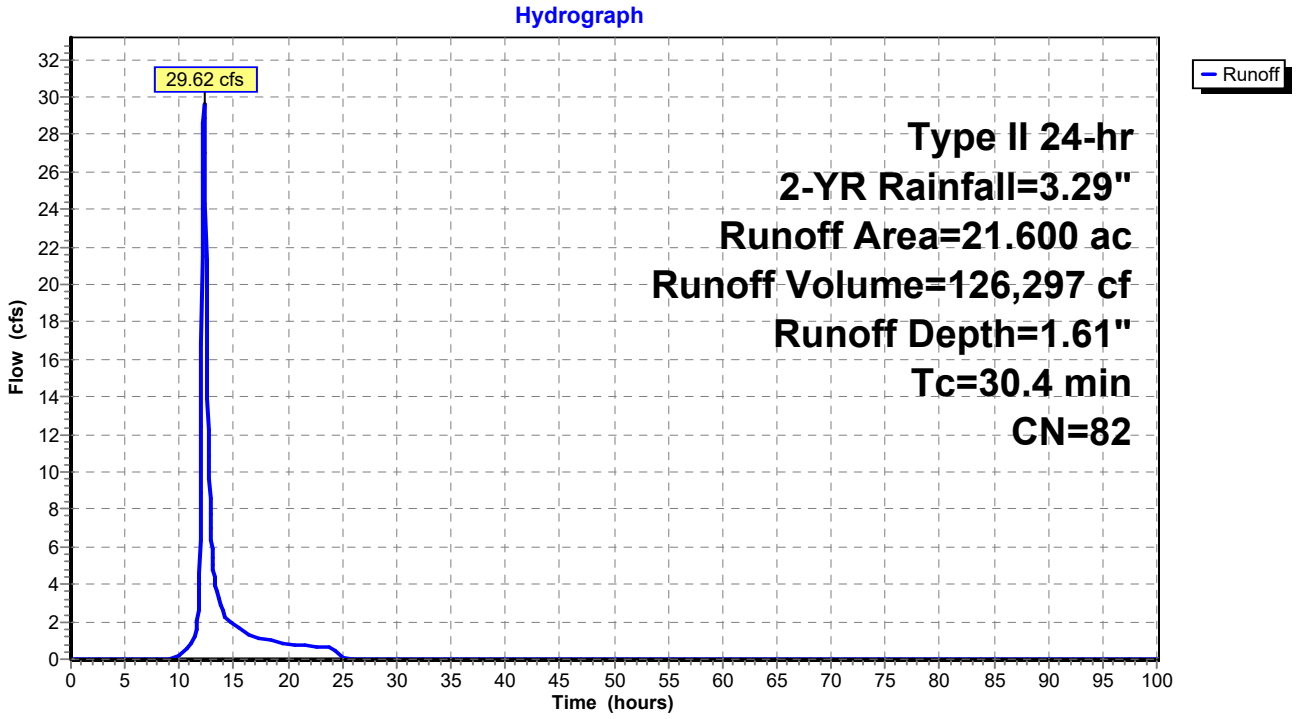
Runoff = 29.62 cfs @ 12.25 hrs, Volume= 126,297 cf, Depth= 1.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 22S: POST - 55



Summary for Subcatchment 23S: PRE - 56

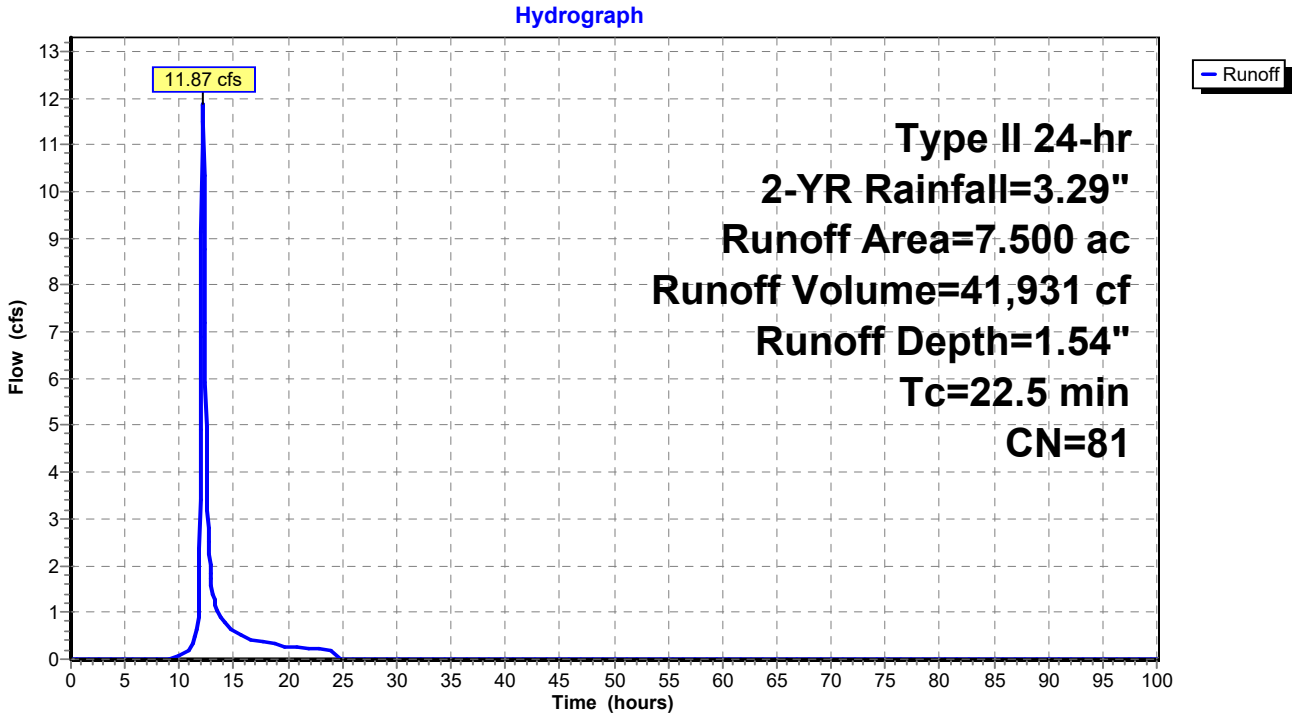
Runoff = 11.87 cfs @ 12.16 hrs, Volume= 41,931 cf, Depth= 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	7.500	81	
	7.500		100.00% Pervious Area

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

Subcatchment 23S: PRE - 56



Summary for Subcatchment 24S: POST - 56

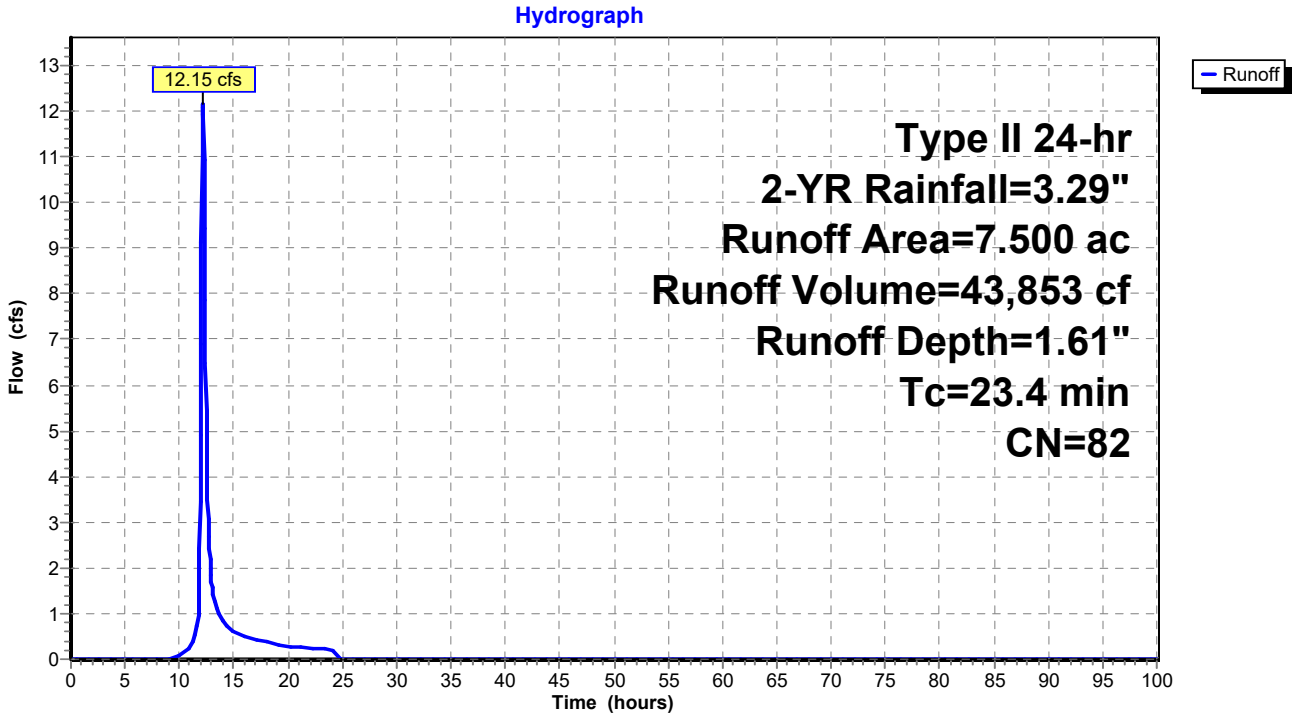
Runoff = 12.15 cfs @ 12.17 hrs, Volume= 43,853 cf, Depth= 1.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	7.500	82	
	7.500		100.00% Pervious Area

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

Subcatchment 24S: POST - 56



Summary for Subcatchment 25S: PRE - 57

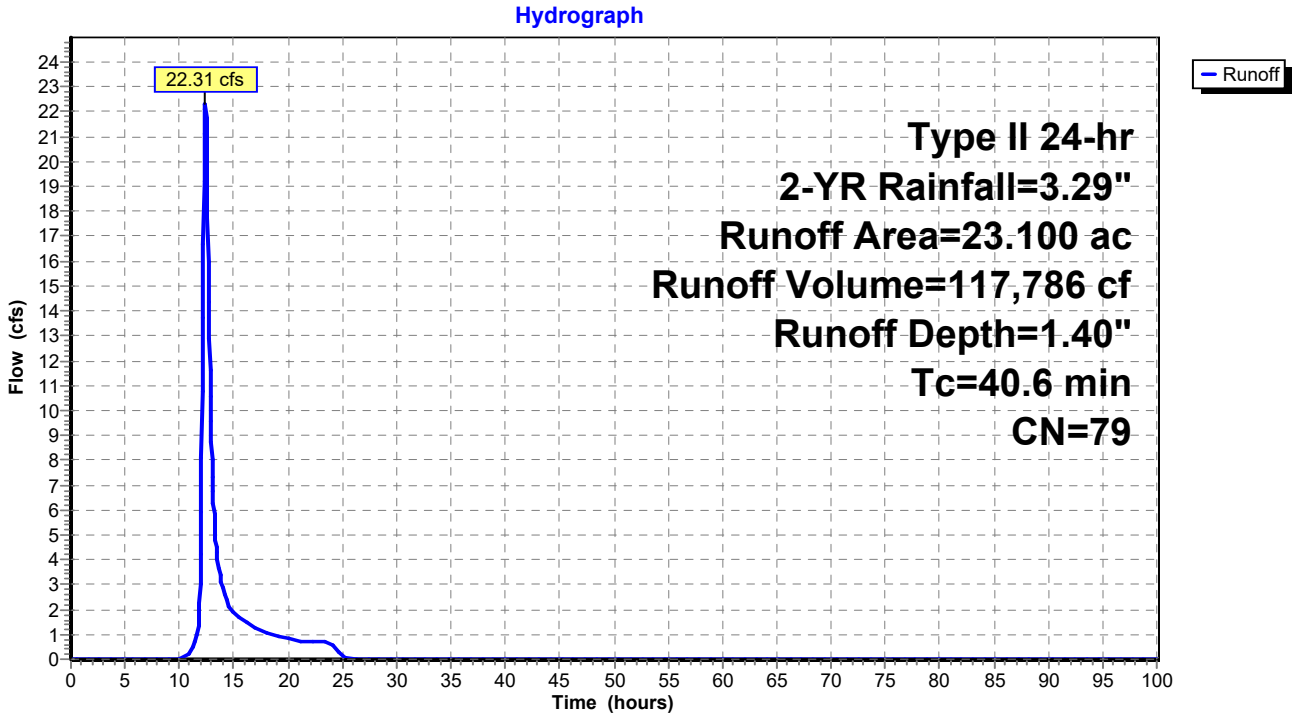
Runoff = 22.31 cfs @ 12.39 hrs, Volume= 117,786 cf, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 25S: PRE - 57



Summary for Subcatchment 26S: POST - 57

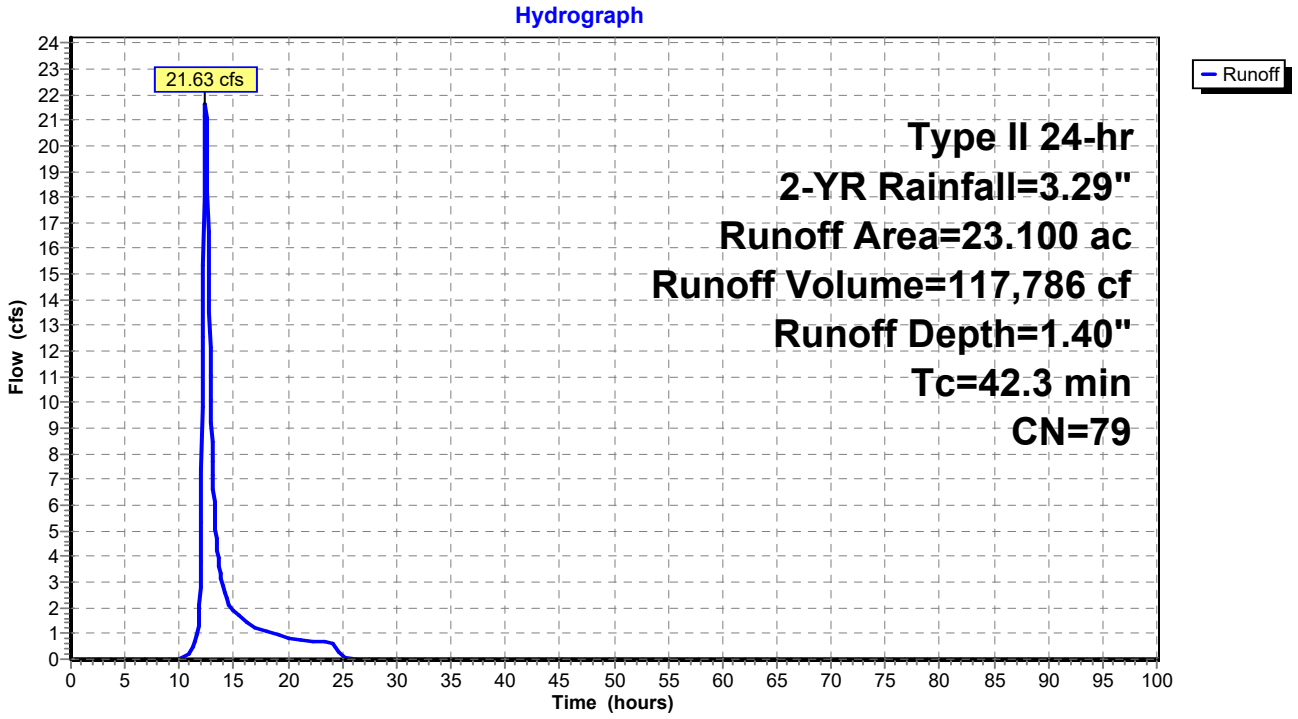
Runoff = 21.63 cfs @ 12.41 hrs, Volume= 117,786 cf, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 57



Summary for Subcatchment 27S: PRE - 58

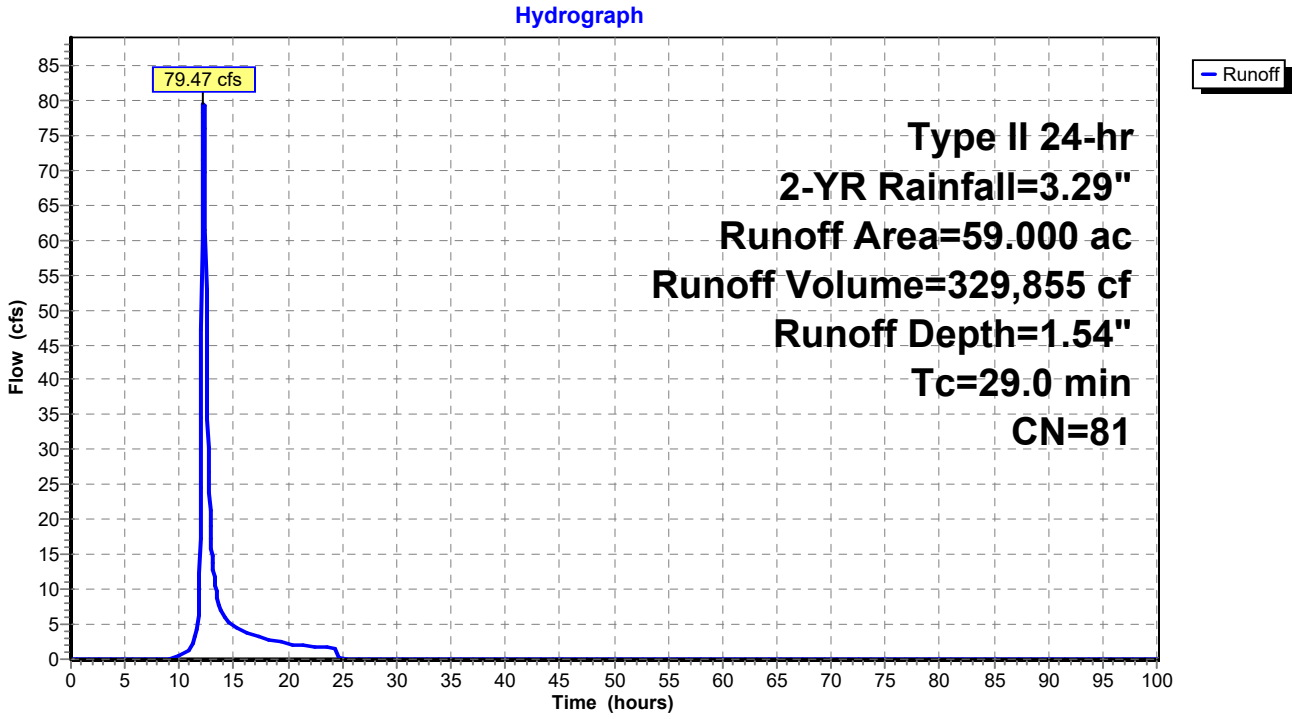
Runoff = 79.47 cfs @ 12.24 hrs, Volume= 329,855 cf, Depth= 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 27S: PRE - 58



Summary for Subcatchment 28S: POST - 58

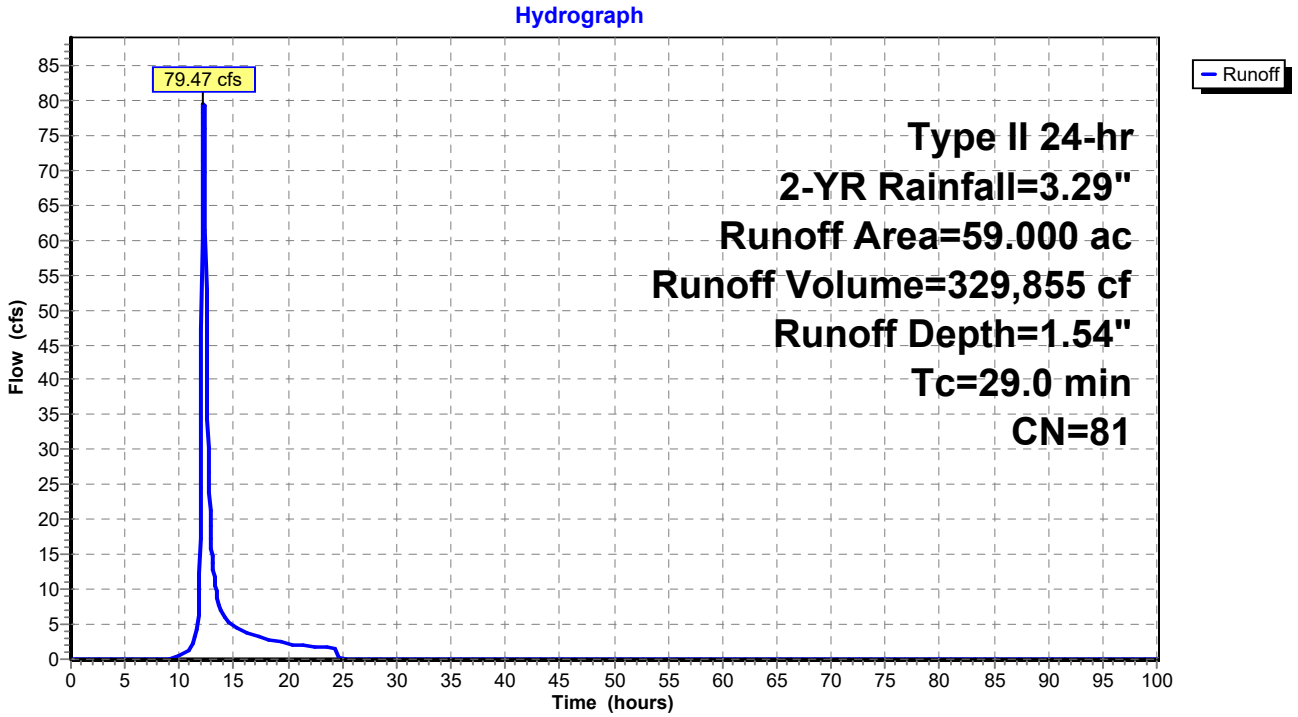
Runoff = 79.47 cfs @ 12.24 hrs, Volume= 329,855 cf, Depth= 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 28S: POST - 58



Summary for Subcatchment 29S: PRE - 59

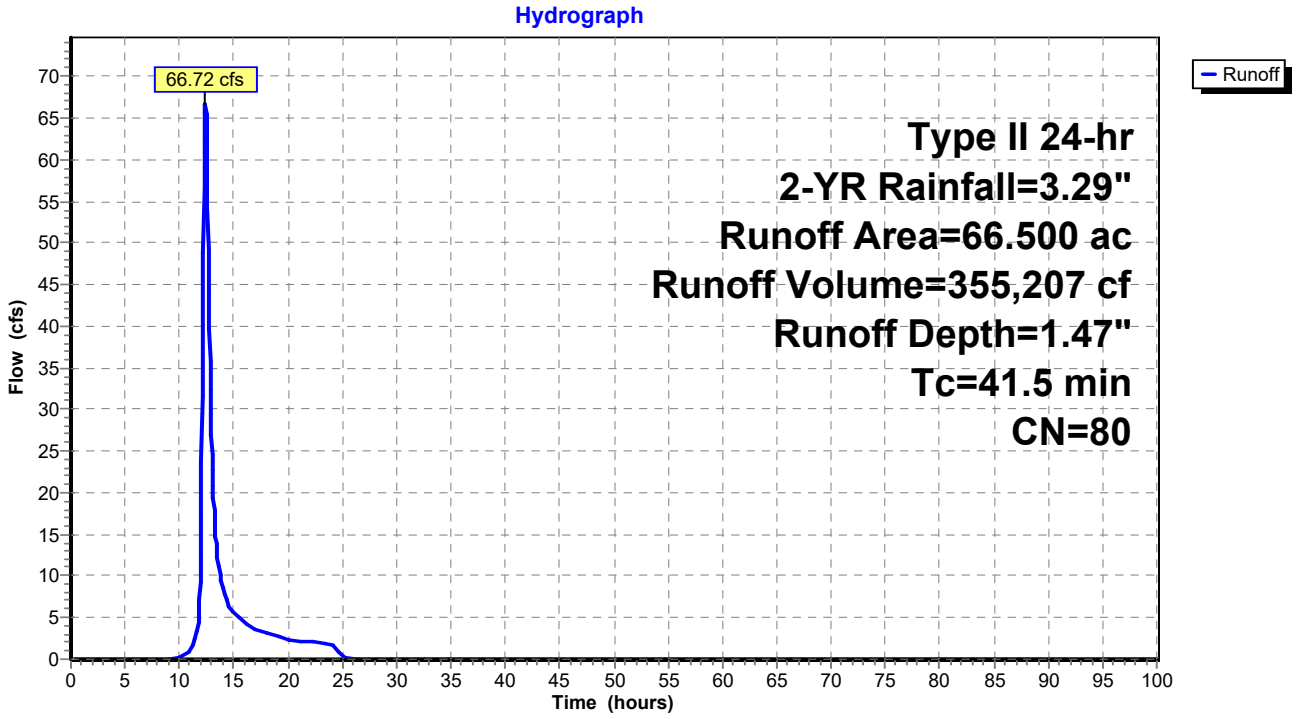
Runoff = 66.72 cfs @ 12.40 hrs, Volume= 355,207 cf, Depth= 1.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	66.500	80	
	66.500		100.00% Pervious Area

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

Subcatchment 29S: PRE - 59



Summary for Subcatchment 30S: POST - 59

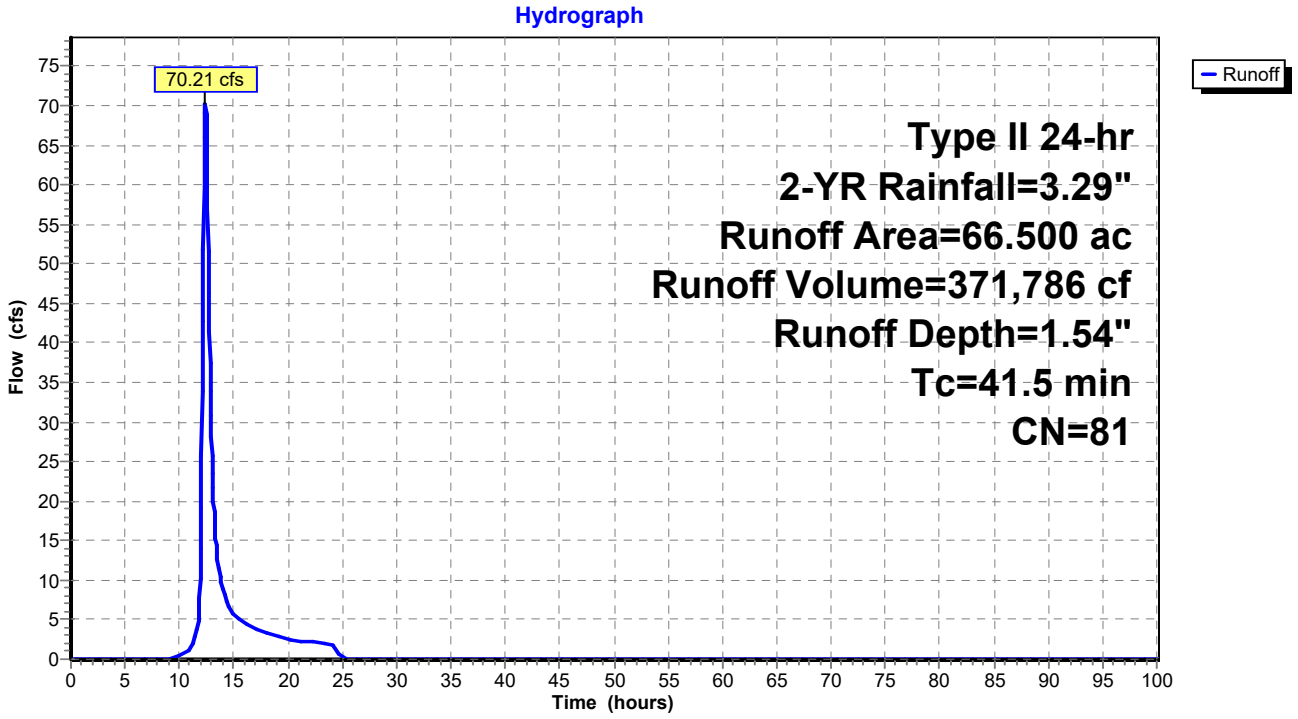
Runoff = 70.21 cfs @ 12.40 hrs, Volume= 371,786 cf, Depth= 1.54"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 2-YR Rainfall=3.29"

	Area (ac)	CN	Description
*	66.500	81	
	66.500		100.00% Pervious Area

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

Subcatchment 30S: POST - 59



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=2.68"
Tc=34.7 min CN=79 Runoff=64.63 cfs 298,831 cf

Subcatchment2S: POST - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=2.68"
Tc=32.9 min CN=79 Runoff=67.02 cfs 298,831 cf

Subcatchment3S: PRE - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=2.01"
Tc=23.8 min CN=71 Runoff=71.60 cfs 265,750 cf

Subcatchment4S: POST - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=2.09"
Tc=25.8 min CN=72 Runoff=71.25 cfs 276,237 cf

Subcatchment5S: PRE - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=2.34"
Tc=47.4 min CN=75 Runoff=32.09 cfs 186,572 cf

Subcatchment6S: POST - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=2.51"
Tc=51.9 min CN=77 Runoff=32.53 cfs 200,154 cf

Subcatchment7S: PRE - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=2.59"
Tc=26.6 min CN=78 Runoff=69.75 cfs 271,110 cf

Subcatchment8S: POST - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=2.77"
Tc=29.4 min CN=80 Runoff=69.92 cfs 289,700 cf

Subcatchment9S: PRE - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=2.01"
Tc=12.2 min CN=71 Runoff=23.41 cfs 60,597 cf

Subcatchment10S: POST - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=2.34"
Tc=13.1 min CN=75 Runoff=26.55 cfs 70,388 cf

Subcatchment11S: PRE - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=1.93"
Tc=20.0 min CN=70 Runoff=16.74 cfs 56,138 cf

Subcatchment12S: POST - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=2.25"
Tc=21.7 min CN=74 Runoff=18.90 cfs 65,430 cf

Subcatchment13S: PRE - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=2.42"
Tc=53.0 min CN=76 Runoff=133.51 cfs 837,391 cf

Subcatchment14S: POST - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=2.51"
Tc=46.6 min CN=77 Runoff=151.92 cfs 867,029 cf

Subcatchment15S: PRE - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=1.56"
Tc=25.6 min CN=65 Runoff=5.45 cfs 22,100 cf

Subcatchment16S: POST - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=1.86"
Tc=27.2 min CN=69 Runoff=6.44 cfs 26,279 cf

Subcatchment17S: PRE - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=2.25"
Tc=31.9 min CN=74 Runoff=24.24 cfs 107,142 cf

Subcatchment18S: POST - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=2.59"
Tc=22.7 min CN=78 Runoff=34.95 cfs 123,318 cf

Subcatchment19S: PRE - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=2.51"
Tc=50.3 min CN=77 Runoff=132.80 cfs 800,614 cf

Subcatchment20S: POST - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=2.59"
Tc=42.4 min CN=78 Runoff=155.89 cfs 828,392 cf

Subcatchment21S: PRE - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=2.95"
Tc=30.5 min CN=82 Runoff=54.71 cfs 231,630 cf

Subcatchment22S: POST - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=2.95"
Tc=30.4 min CN=82 Runoff=54.77 cfs 231,630 cf

Subcatchment23S: PRE - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=2.86"
Tc=22.5 min CN=81 Runoff=22.22 cfs 77,917 cf

Subcatchment24S: POST - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=2.95"
Tc=23.4 min CN=82 Runoff=22.39 cfs 80,427 cf

Subcatchment25S: PRE - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=2.68"
Tc=40.6 min CN=79 Runoff=43.66 cfs 224,853 cf

Subcatchment26S: POST - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=2.68"
Tc=42.3 min CN=79 Runoff=42.35 cfs 224,853 cf

Subcatchment27S: PRE - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=2.86"
Tc=29.0 min CN=81 Runoff=149.40 cfs 612,945 cf

Subcatchment28S: POST - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=2.86"
Tc=29.0 min CN=81 Runoff=149.40 cfs 612,945 cf

Subcatchment29S: PRE - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=2.77"
Tc=41.5 min CN=80 Runoff=128.21 cfs 668,925 cf

Subcatchment30S: POST - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=2.86"
Tc=41.5 min CN=81 Runoff=132.54 cfs 690,862 cf

Total Runoff Area = 44,622,864 sf Runoff Volume = 9,608,990 cf Average Runoff Depth = 2.58"
100.00% Pervious = 44,622,864 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 60

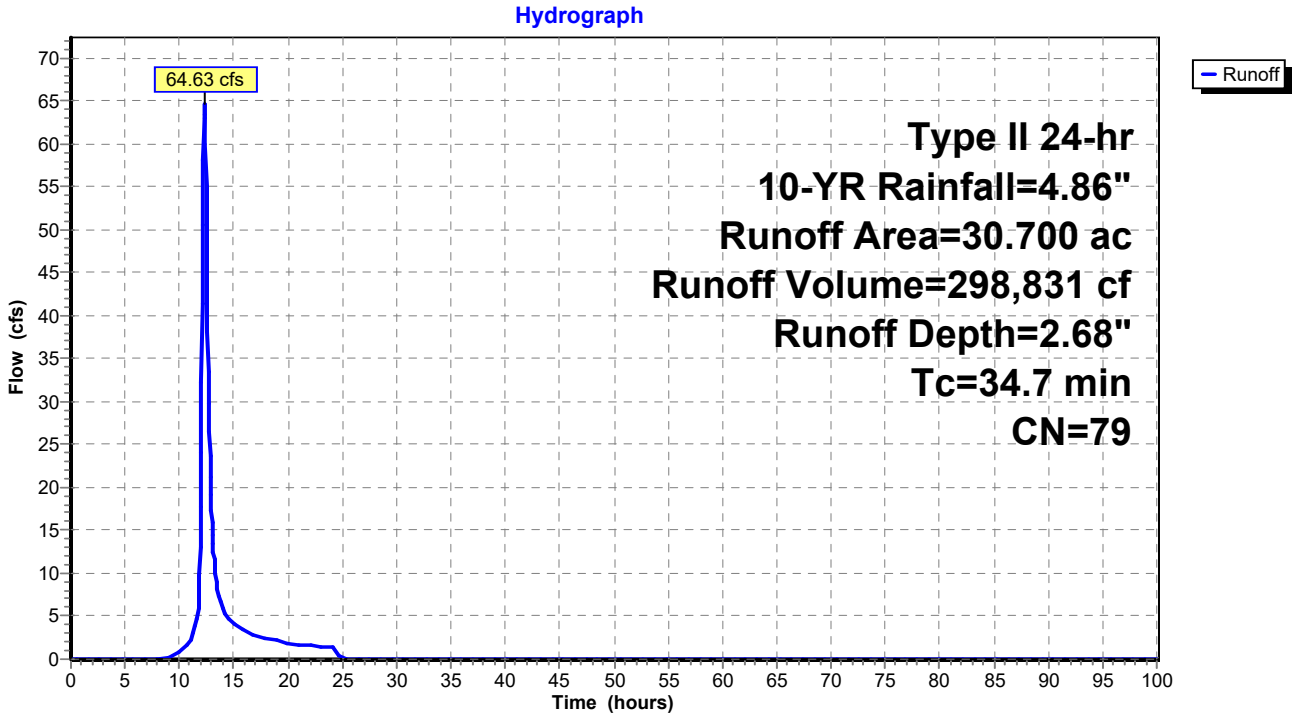
Runoff = 64.63 cfs @ 12.30 hrs, Volume= 298,831 cf, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 1S: PRE - 60



Summary for Subcatchment 2S: POST - 60

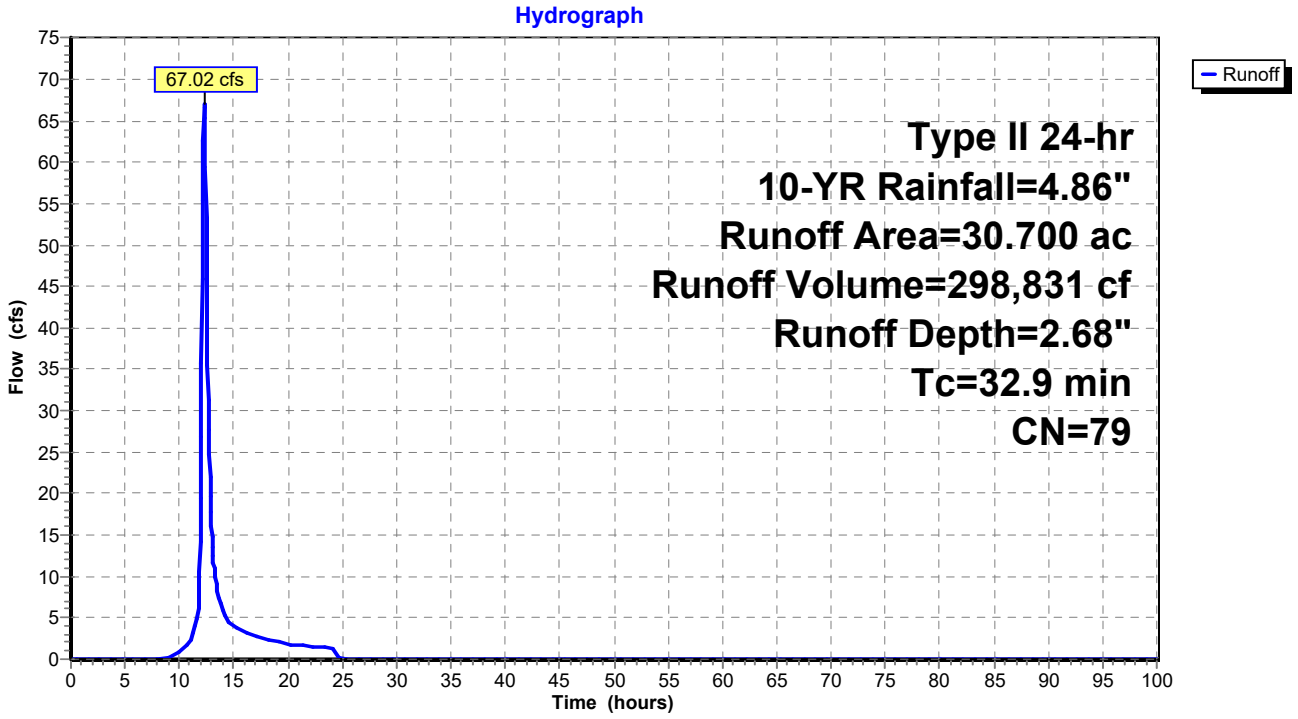
Runoff = 67.02 cfs @ 12.28 hrs, Volume= 298,831 cf, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 2S: POST - 60



Summary for Subcatchment 3S: PRE - 46

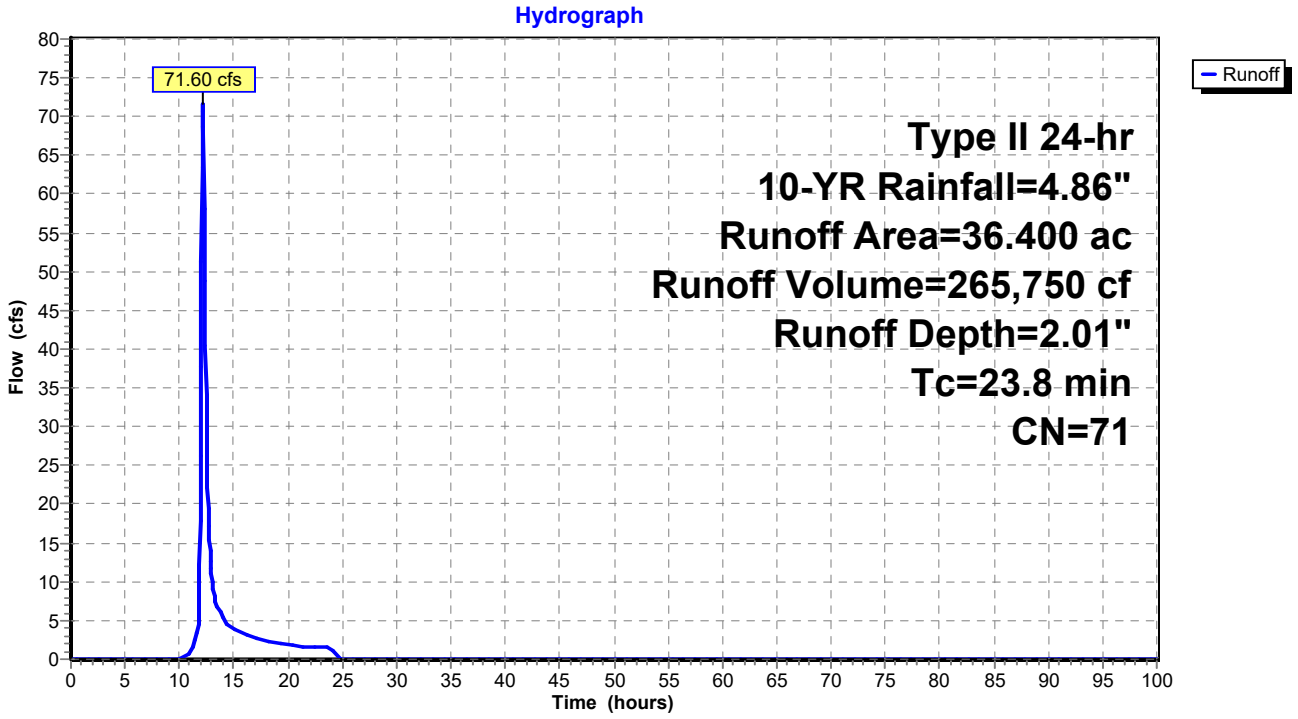
Runoff = 71.60 cfs @ 12.18 hrs, Volume= 265,750 cf, Depth= 2.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	36.400	71	
	36.400		100.00% Pervious Area

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

Subcatchment 3S: PRE - 46



Summary for Subcatchment 4S: POST - 46

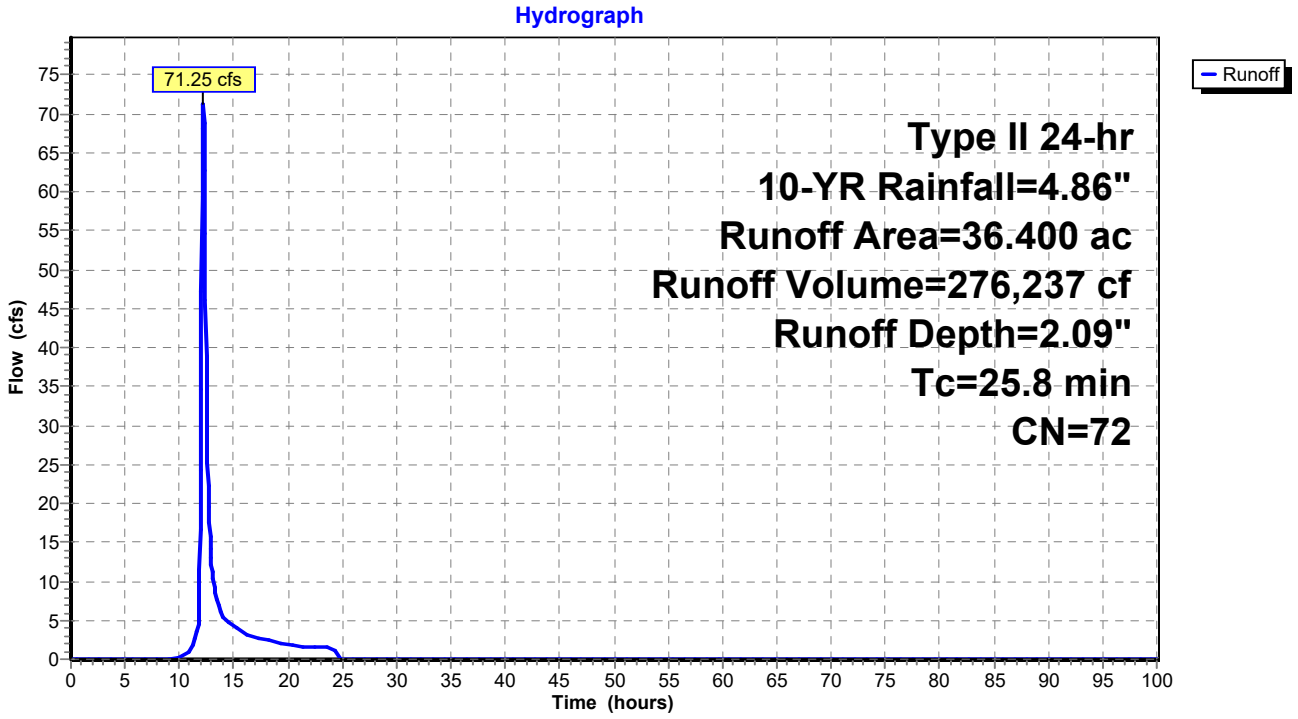
Runoff = 71.25 cfs @ 12.20 hrs, Volume= 276,237 cf, Depth= 2.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	36.400	72	
	36.400		100.00% Pervious Area

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

Subcatchment 4S: POST - 46



Summary for Subcatchment 5S: PRE - 47

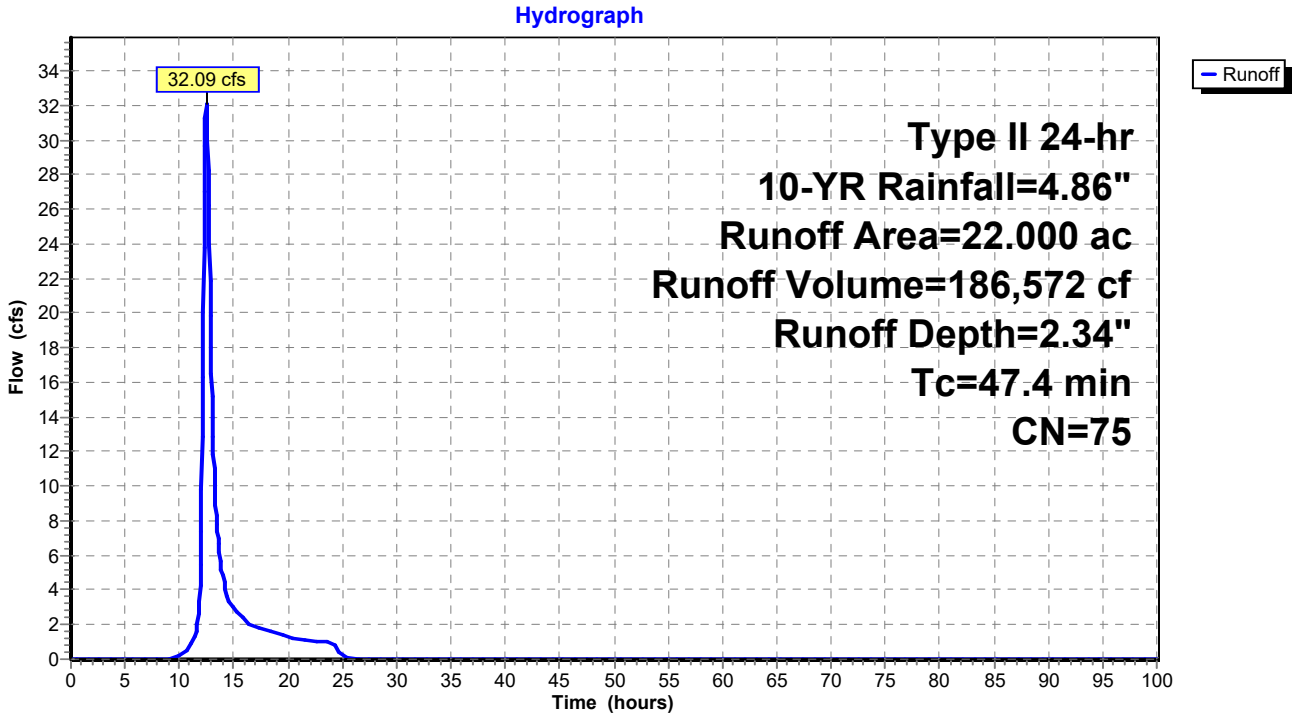
Runoff = 32.09 cfs @ 12.47 hrs, Volume= 186,572 cf, Depth= 2.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	22.000	75	
	22.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 47



Summary for Subcatchment 6S: POST - 47

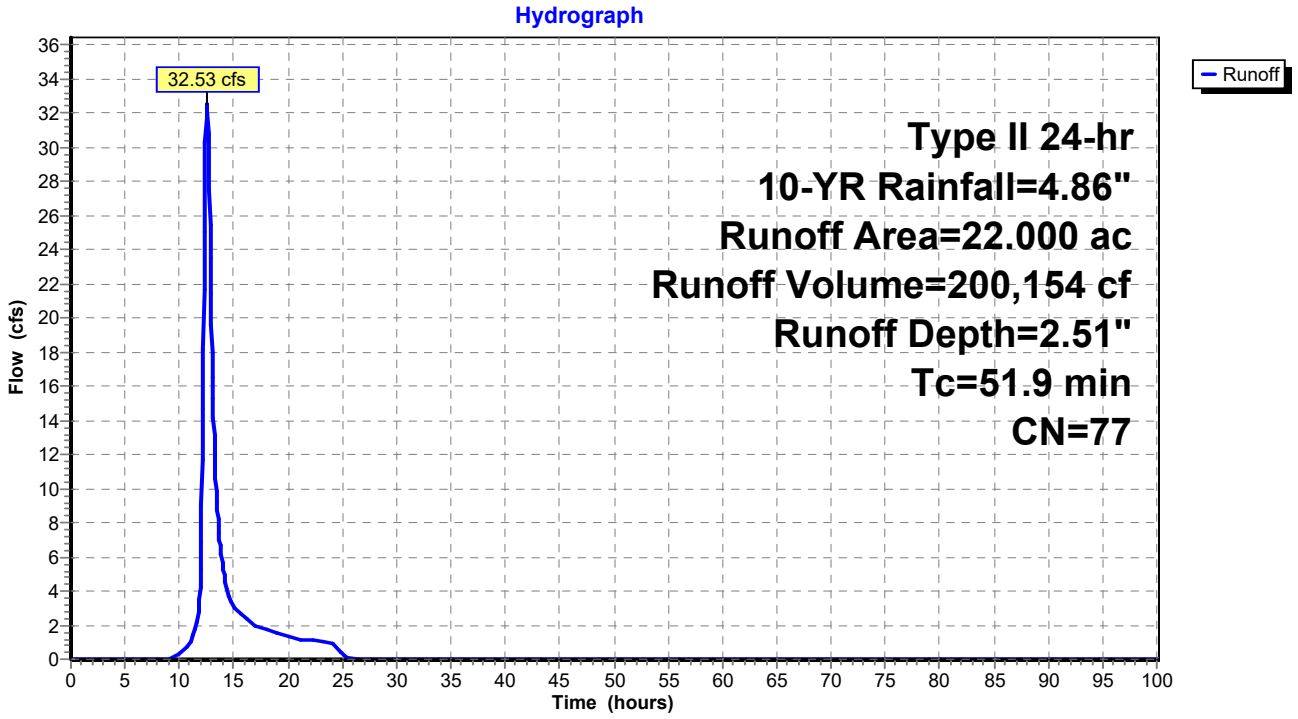
Runoff = 32.53 cfs @ 12.52 hrs, Volume= 200,154 cf, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	22.000	77	
	22.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 47



Summary for Subcatchment 7S: PRE - 48

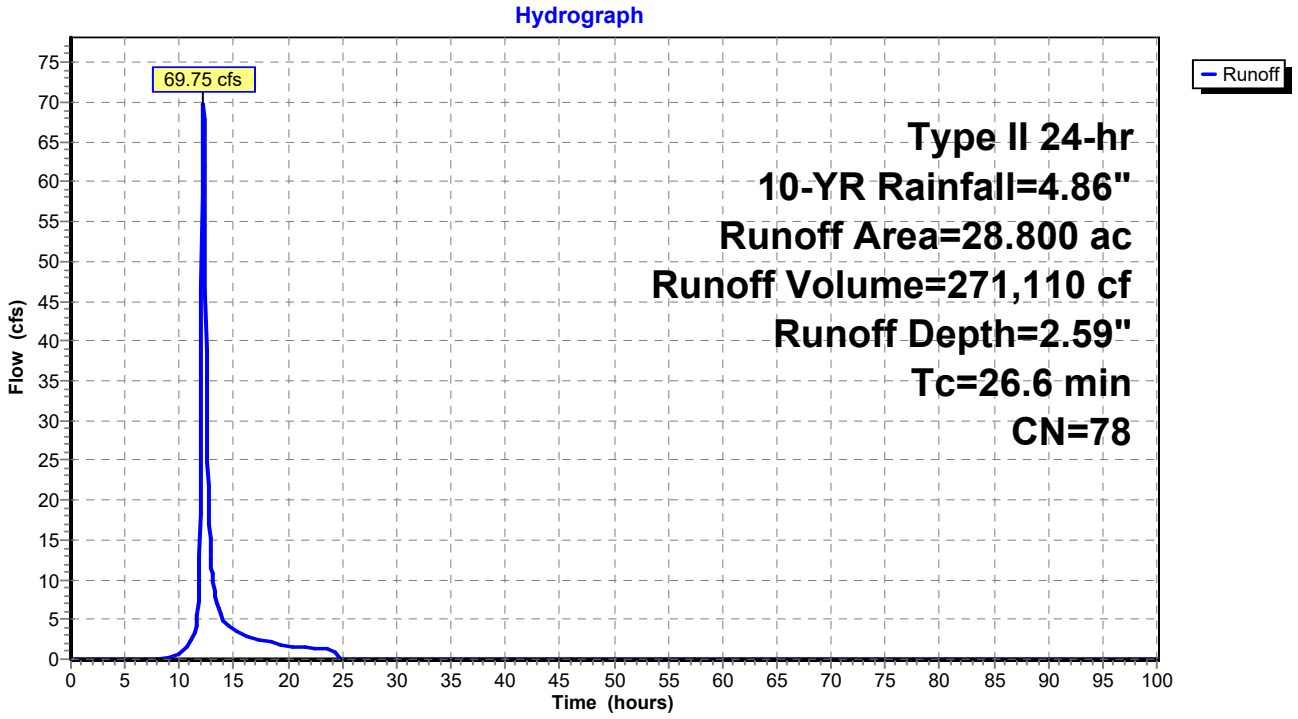
Runoff = 69.75 cfs @ 12.21 hrs, Volume= 271,110 cf, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	28.800	78	
	28.800		100.00% Pervious Area

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

Subcatchment 7S: PRE - 48



Summary for Subcatchment 8S: POST - 48

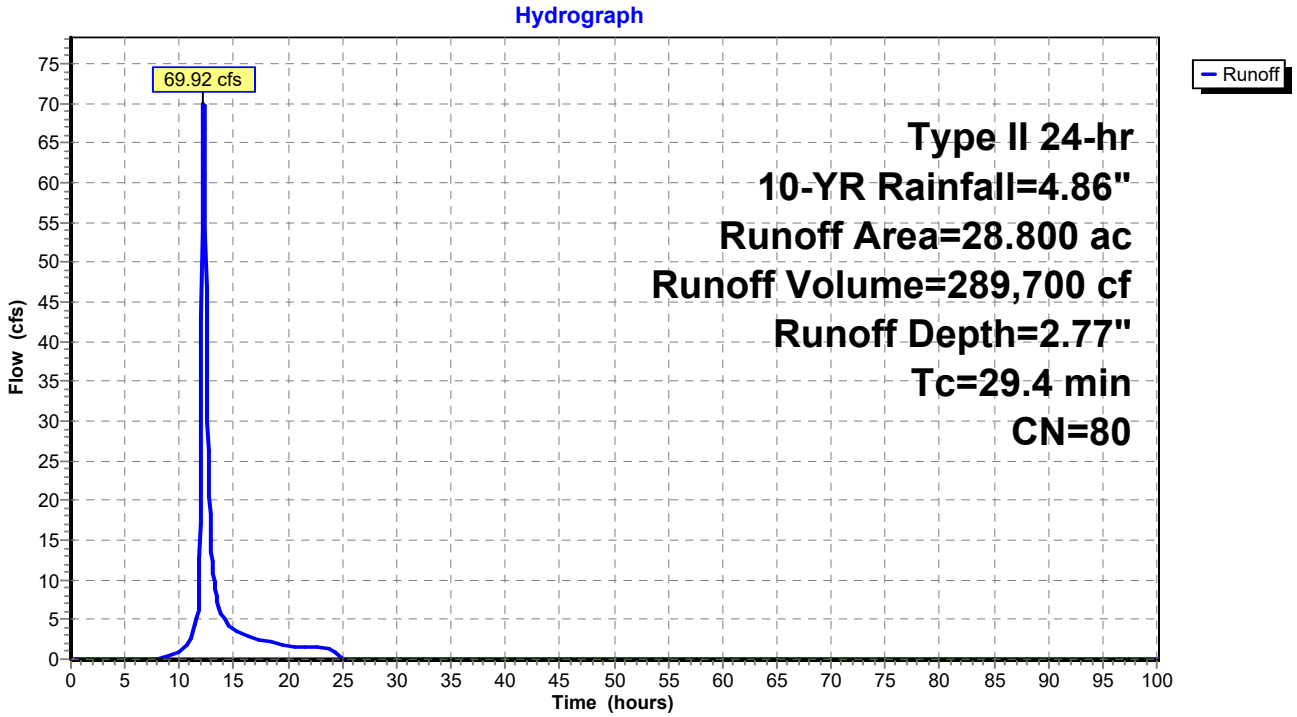
Runoff = 69.92 cfs @ 12.24 hrs, Volume= 289,700 cf, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	28.800	80	
	28.800		100.00% Pervious Area

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

Subcatchment 8S: POST - 48



Summary for Subcatchment 9S: PRE - 49

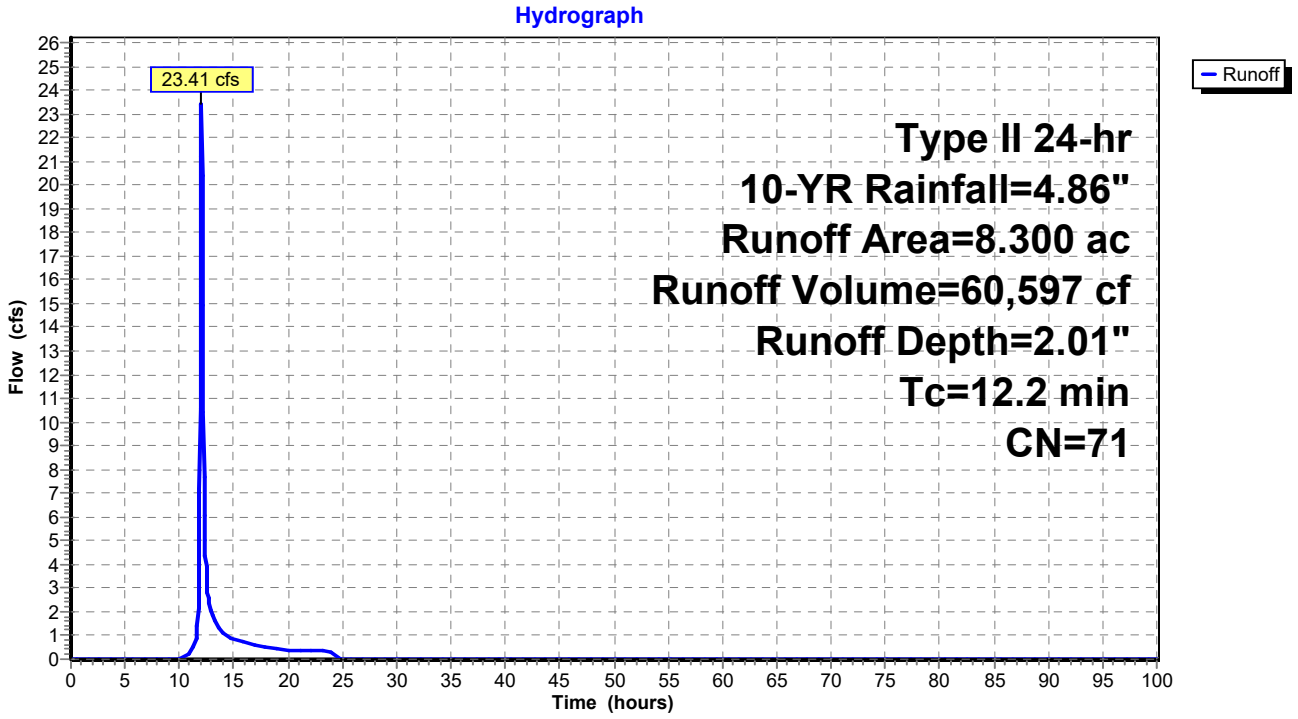
Runoff = 23.41 cfs @ 12.05 hrs, Volume= 60,597 cf, Depth= 2.01"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	8.300	71	
	8.300		100.00% Pervious Area

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

Subcatchment 9S: PRE - 49



Summary for Subcatchment 10S: POST - 49

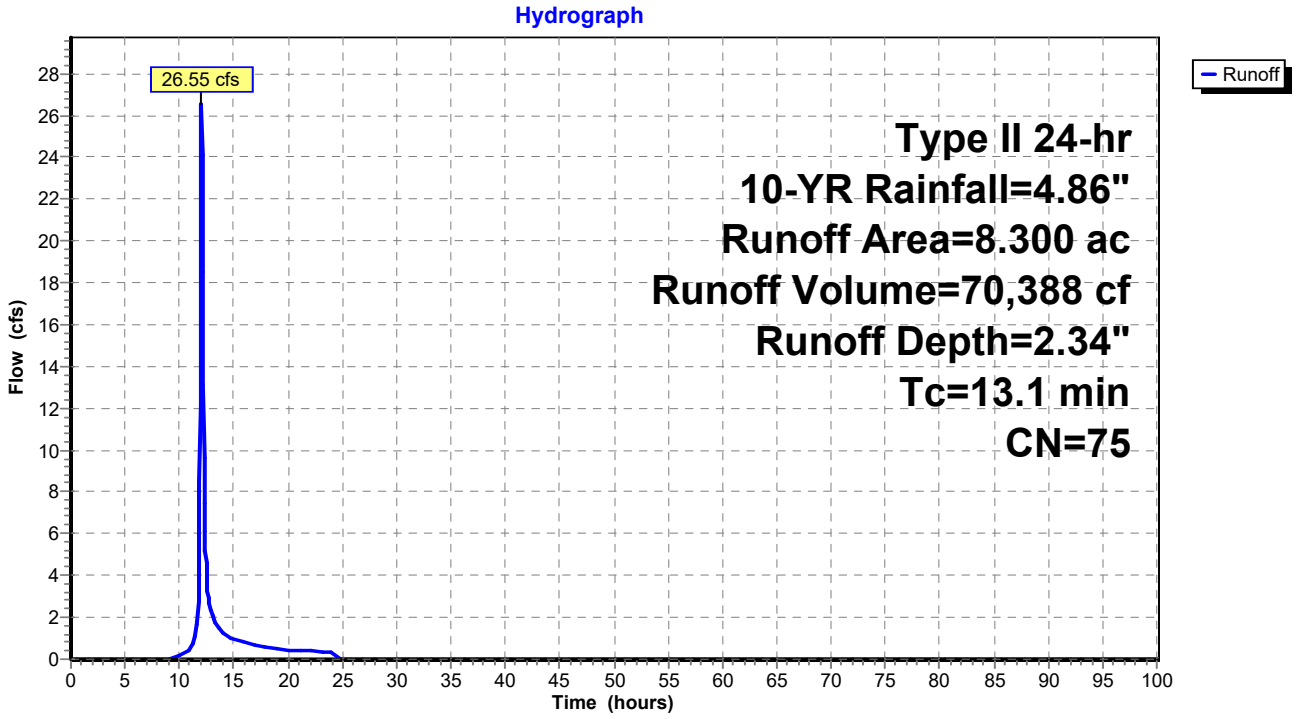
Runoff = 26.55 cfs @ 12.05 hrs, Volume= 70,388 cf, Depth= 2.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	8.300	75	
	8.300		100.00% Pervious Area

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

Subcatchment 10S: POST - 49



Summary for Subcatchment 11S: PRE - 50

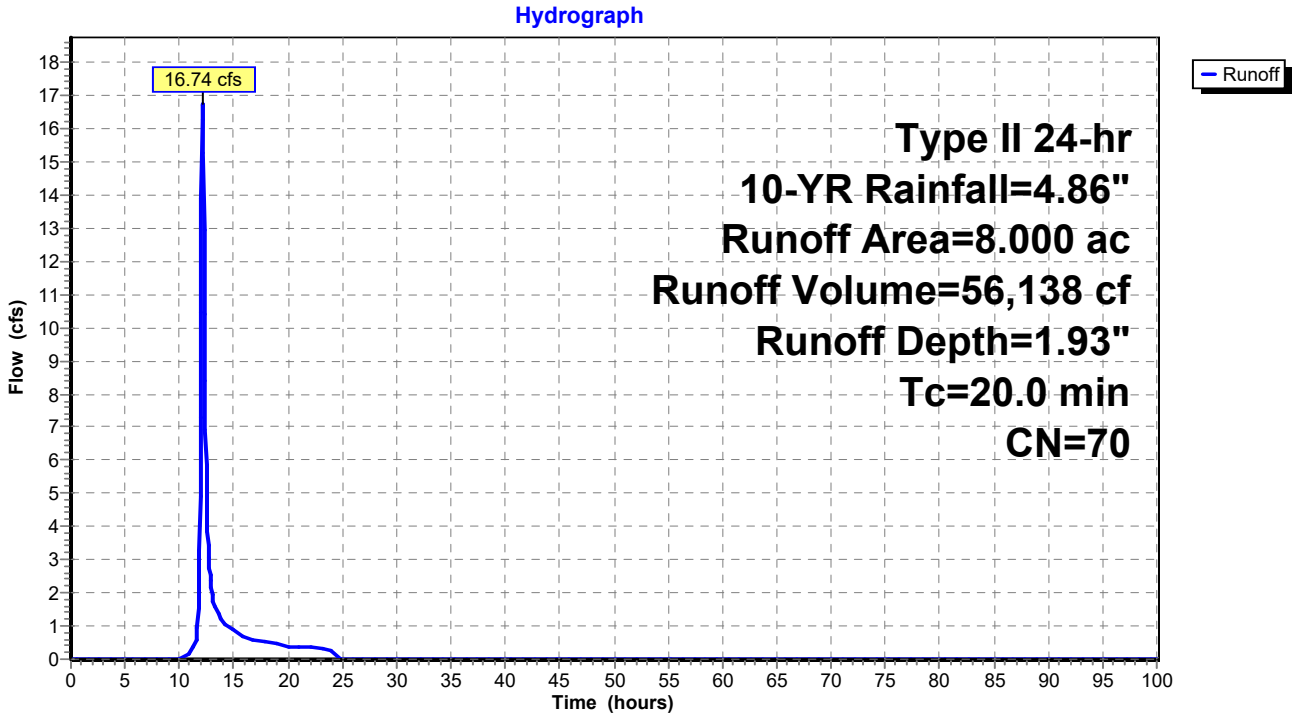
Runoff = 16.74 cfs @ 12.14 hrs, Volume= 56,138 cf, Depth= 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	8.000	70	
	8.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 50



Summary for Subcatchment 12S: POST - 50

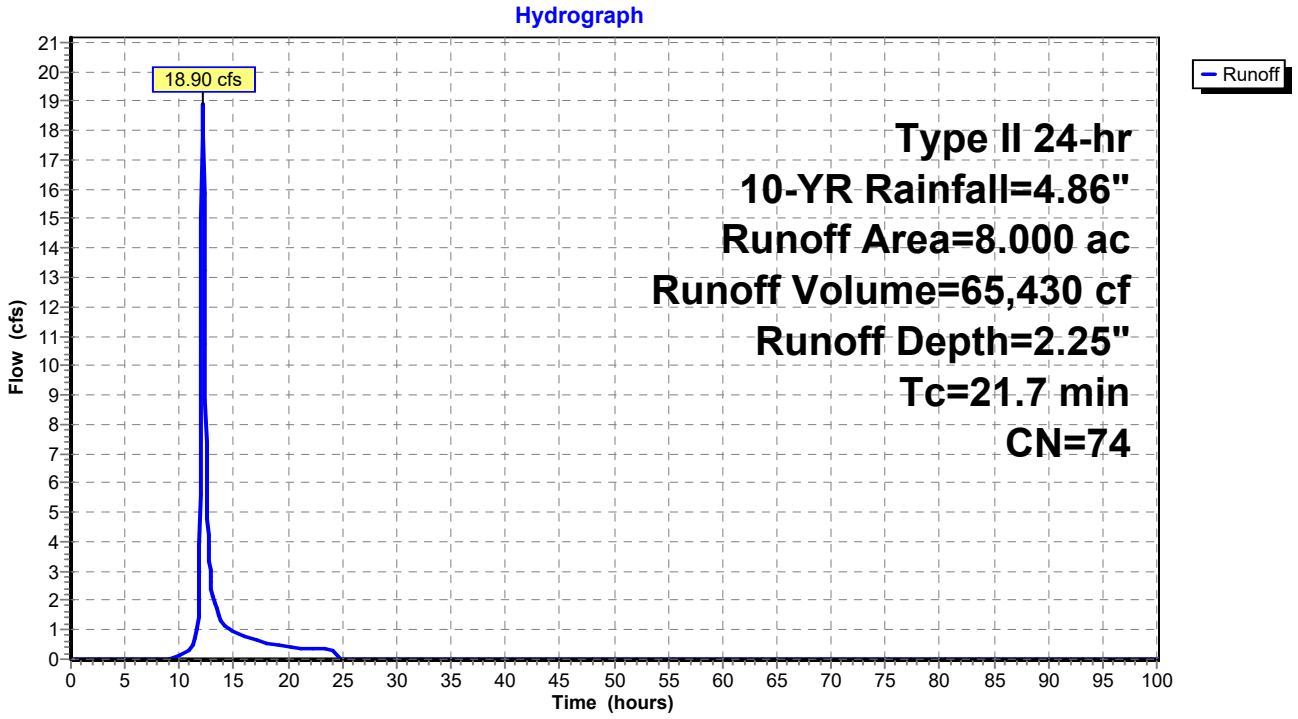
Runoff = 18.90 cfs @ 12.15 hrs, Volume= 65,430 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	8.000	74	
	8.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 50



Summary for Subcatchment 13S: PRE - 51

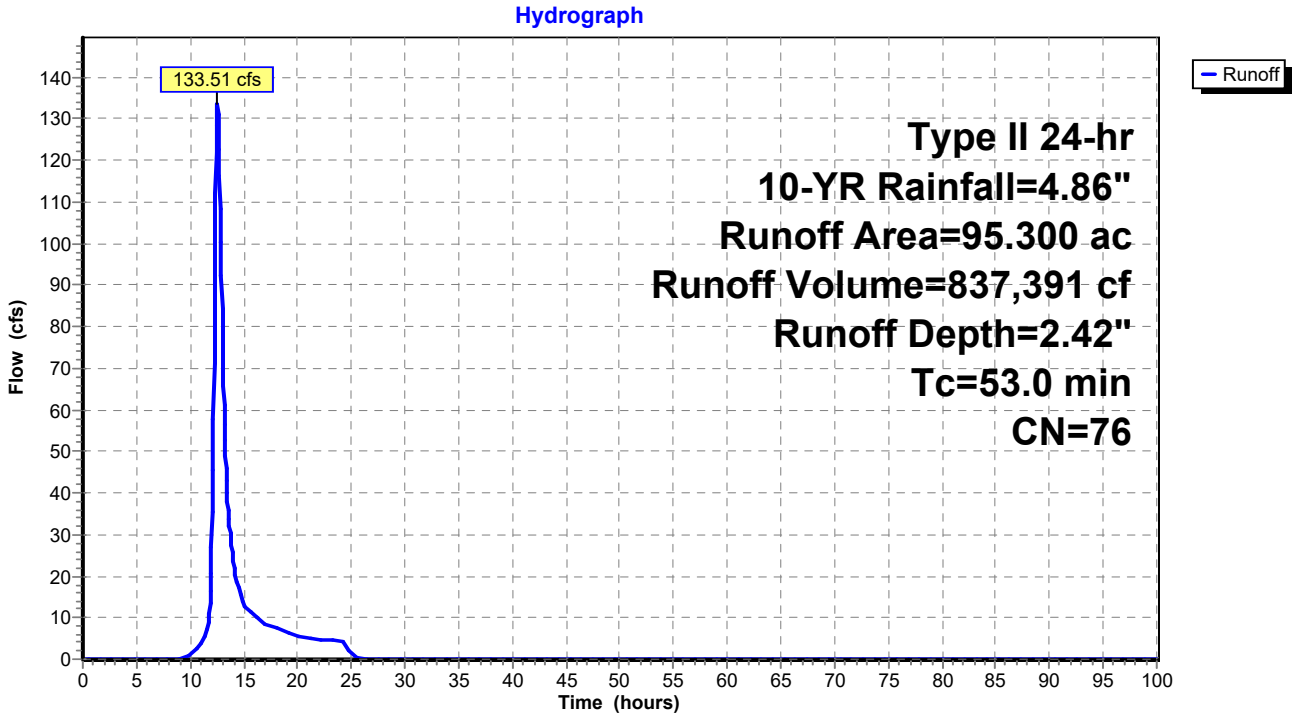
Runoff = 133.51 cfs @ 12.54 hrs, Volume= 837,391 cf, Depth= 2.42"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	95.300	76	
	95.300		100.00% Pervious Area

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

Subcatchment 13S: PRE - 51



Summary for Subcatchment 14S: POST - 51

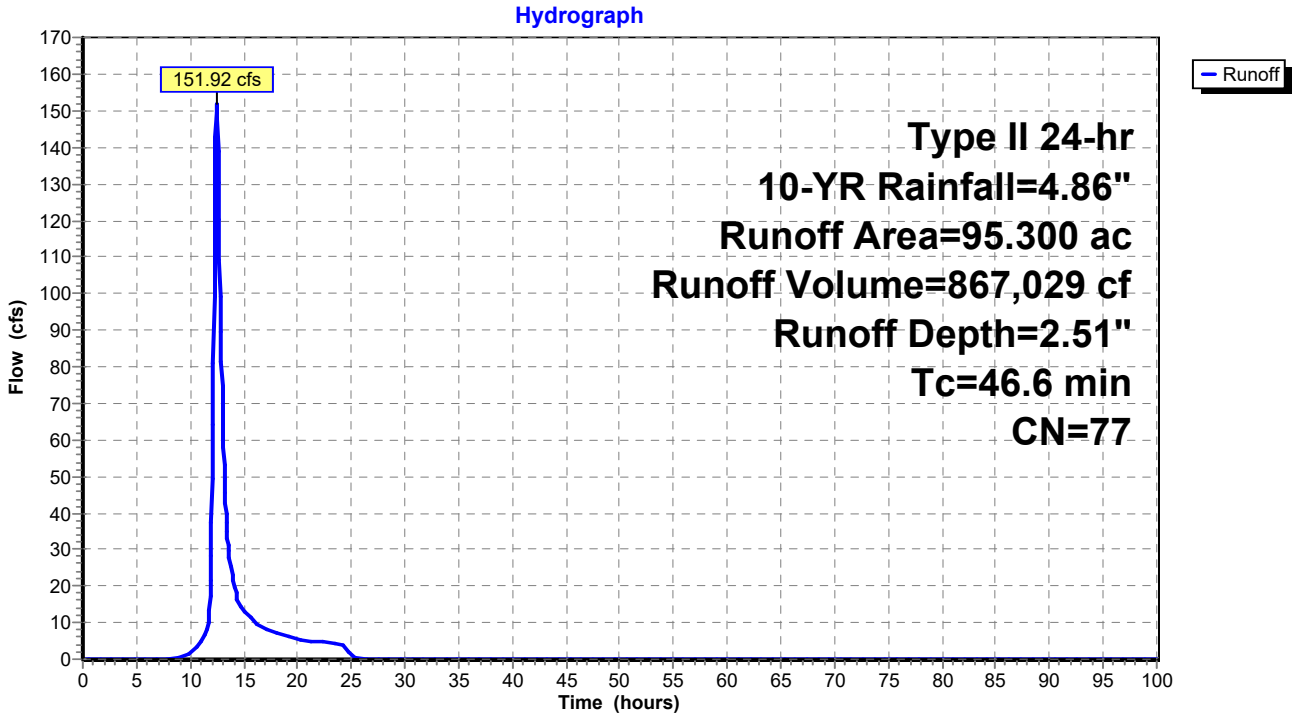
Runoff = 151.92 cfs @ 12.46 hrs, Volume= 867,029 cf, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	95.300	77	
	95.300		100.00% Pervious Area

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

Subcatchment 14S: POST - 51



Summary for Subcatchment 15S: PRE - 52

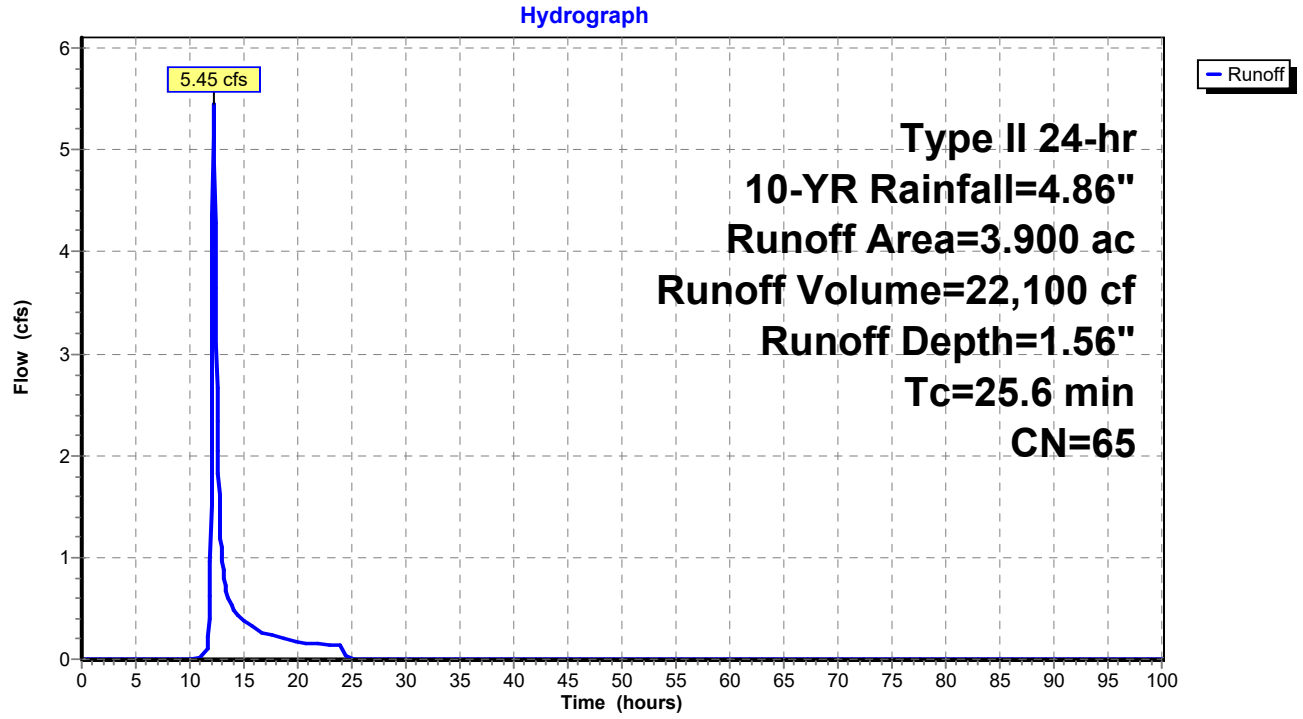
Runoff = 5.45 cfs @ 12.21 hrs, Volume= 22,100 cf, Depth= 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	3.900	65	
	3.900		100.00% Pervious Area

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

Subcatchment 15S: PRE - 52



Summary for Subcatchment 16S: POST - 52

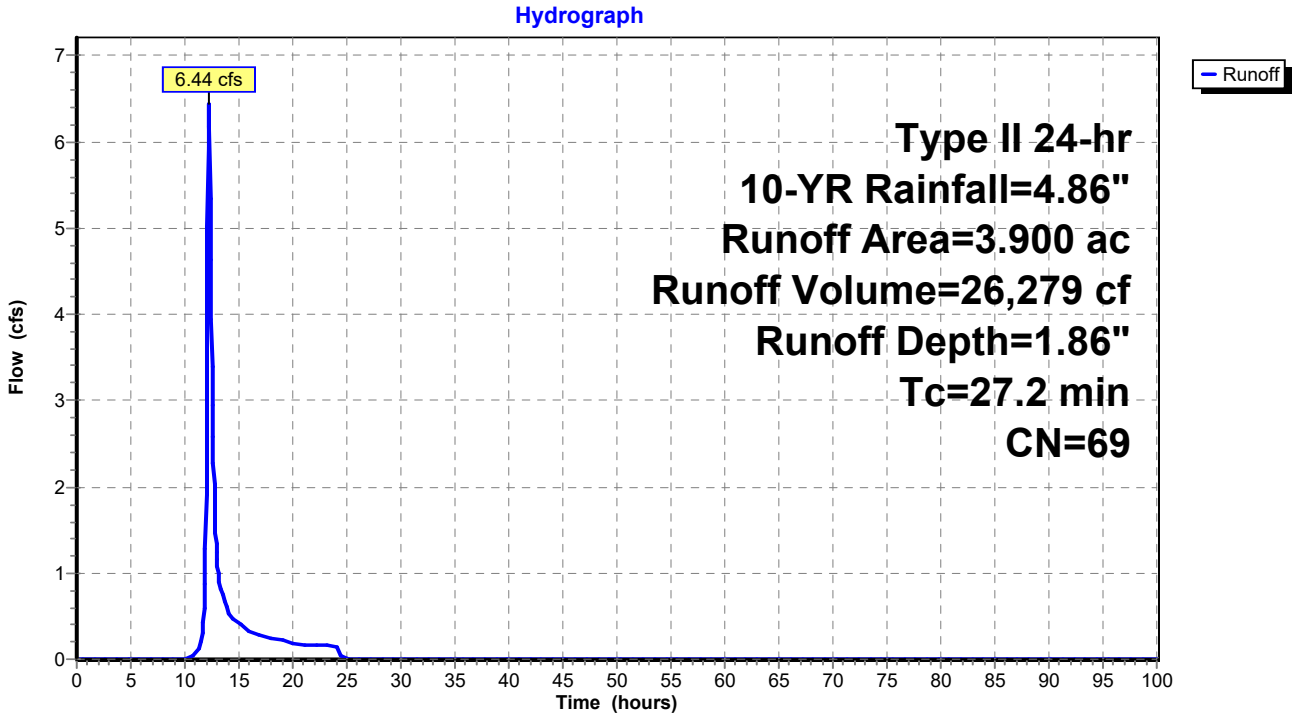
Runoff = 6.44 cfs @ 12.22 hrs, Volume= 26,279 cf, Depth= 1.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	3.900	69	
	3.900		100.00% Pervious Area

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

Subcatchment 16S: POST - 52



Summary for Subcatchment 17S: PRE - 53

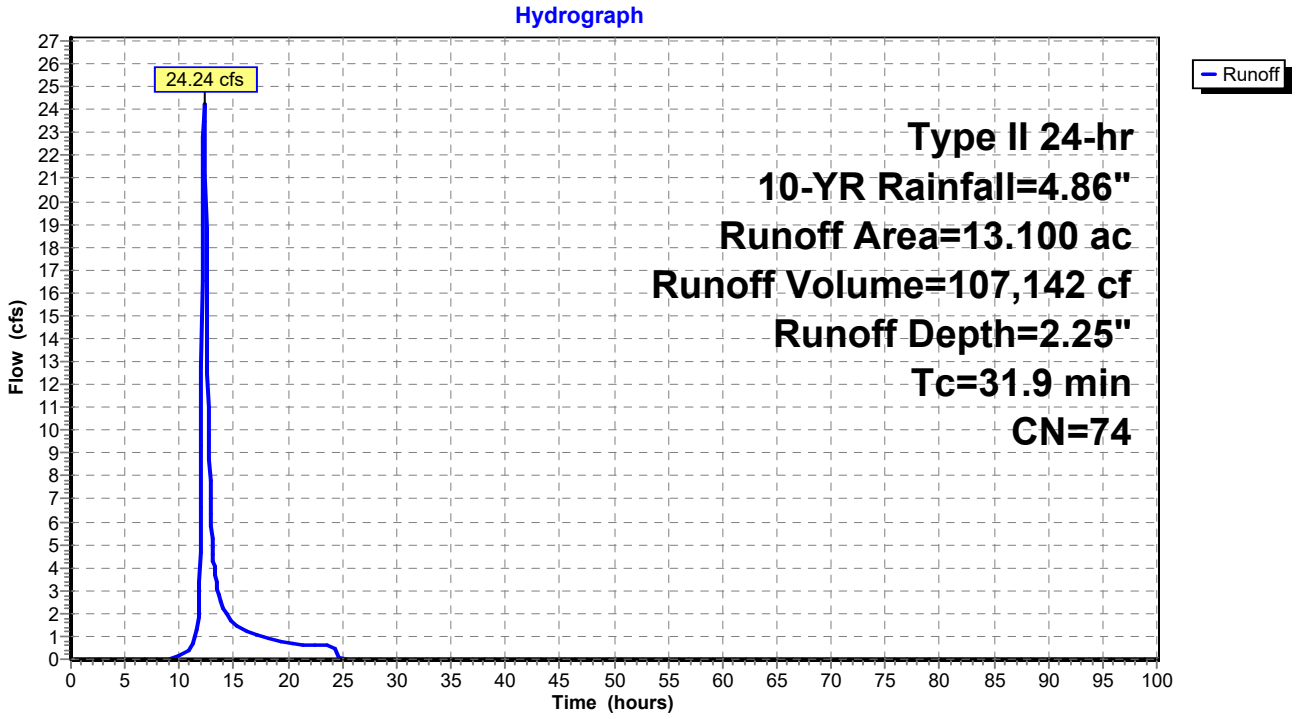
Runoff = 24.24 cfs @ 12.27 hrs, Volume= 107,142 cf, Depth= 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	13.100	74	
	13.100		100.00% Pervious Area

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

Subcatchment 17S: PRE - 53



Summary for Subcatchment 18S: POST - 53

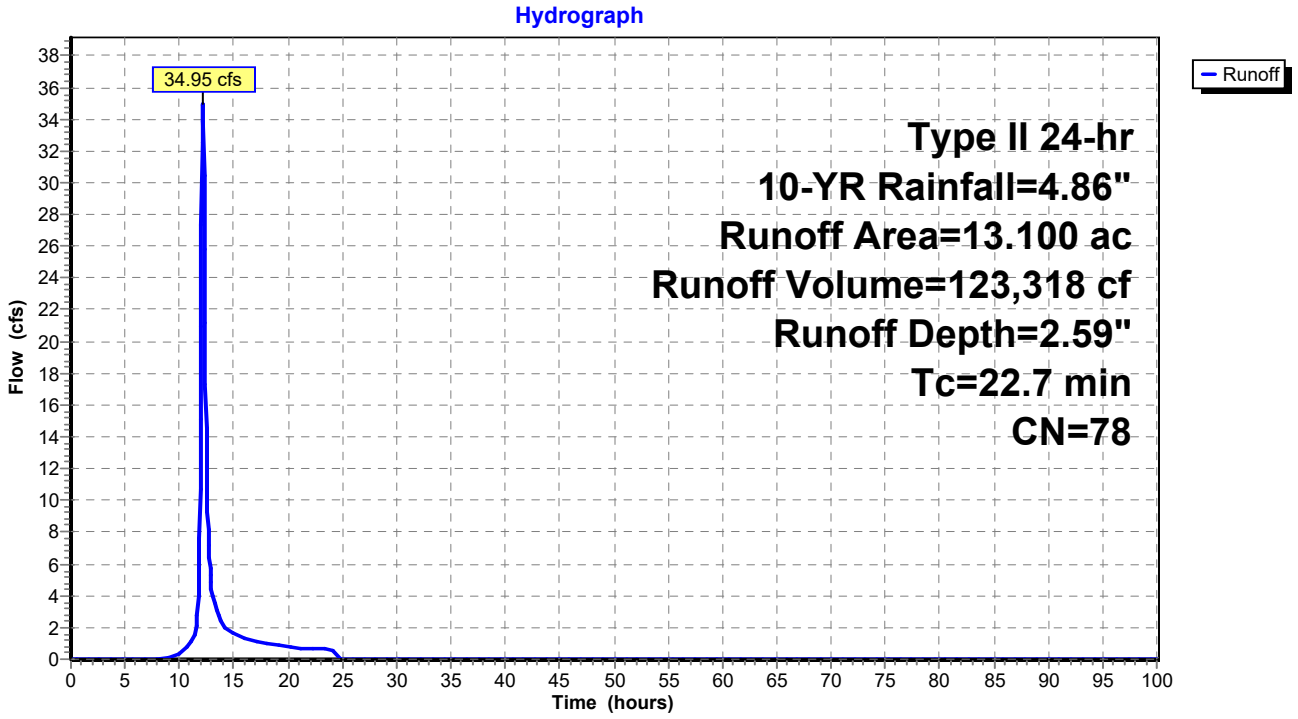
Runoff = 34.95 cfs @ 12.16 hrs, Volume= 123,318 cf, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	13.100	78	
	13.100		100.00% Pervious Area

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

Subcatchment 18S: POST - 53



Summary for Subcatchment 19S: PRE - 54

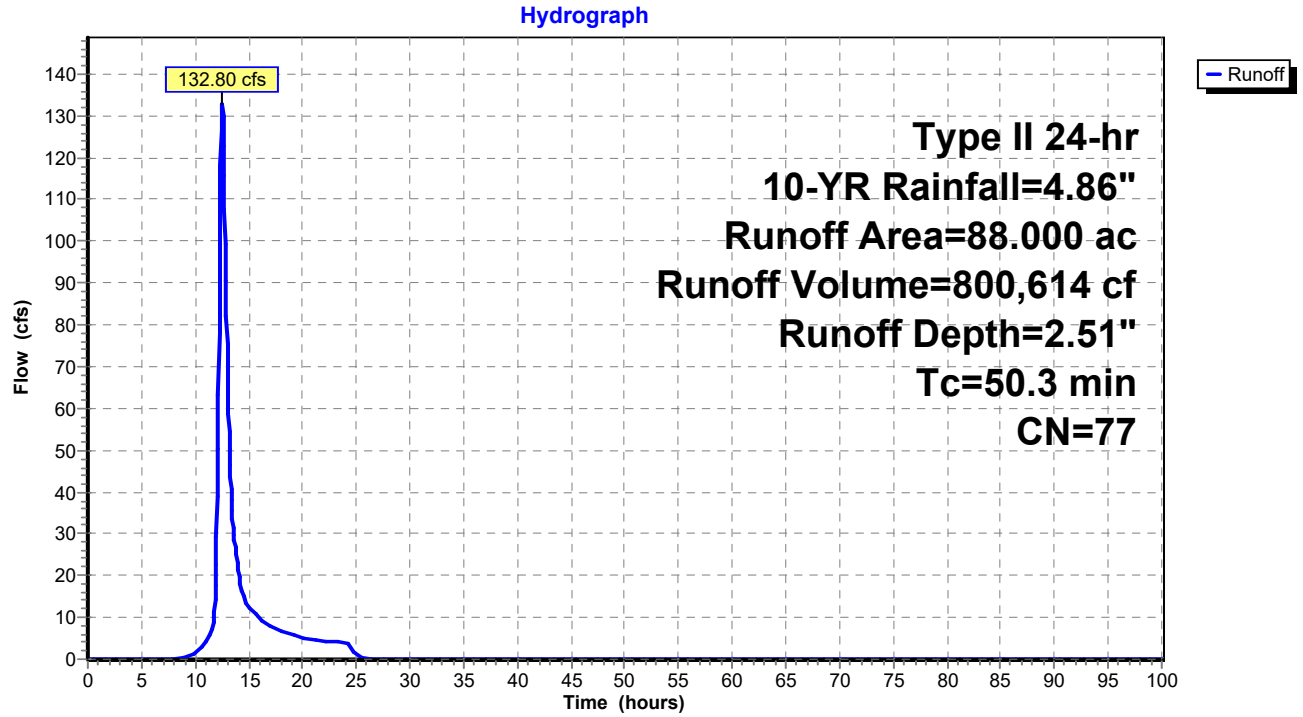
Runoff = 132.80 cfs @ 12.50 hrs, Volume= 800,614 cf, Depth= 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	88.000	77	
	88.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 54



Summary for Subcatchment 20S: POST - 54

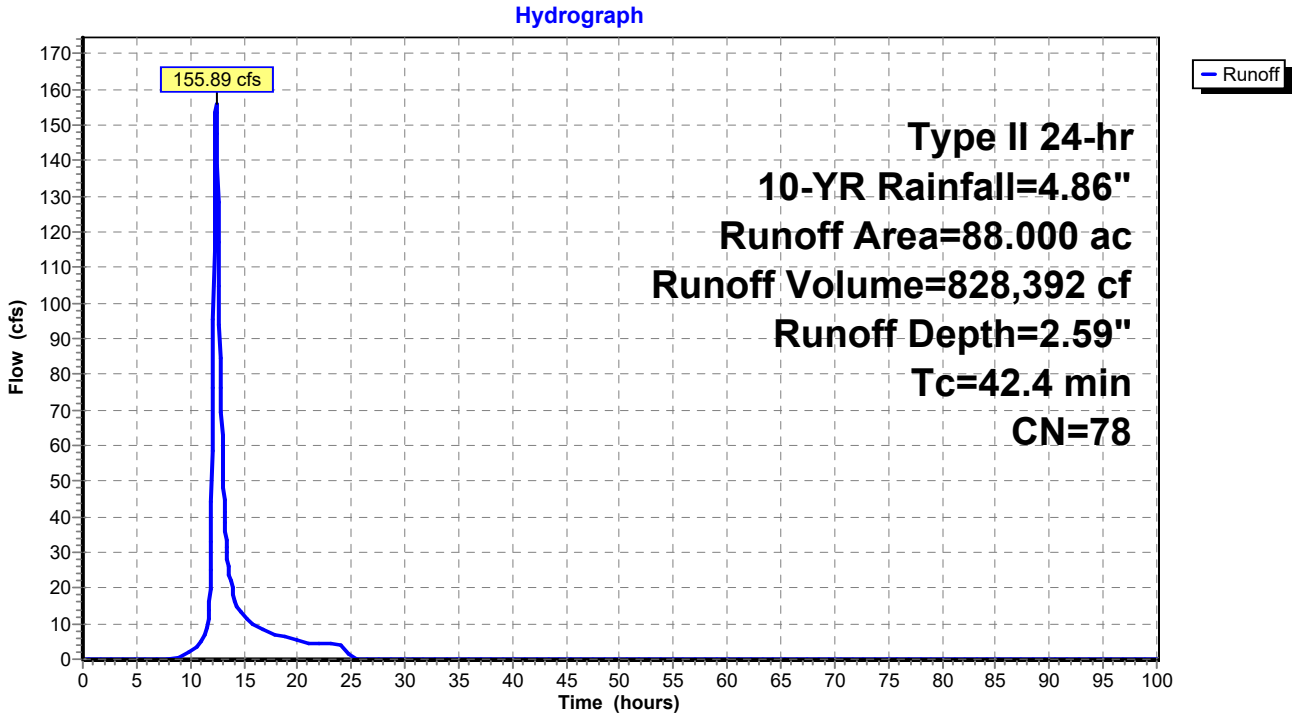
Runoff = 155.89 cfs @ 12.40 hrs, Volume= 828,392 cf, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	88.000	78	
	88.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 54



Summary for Subcatchment 21S: PRE - 55

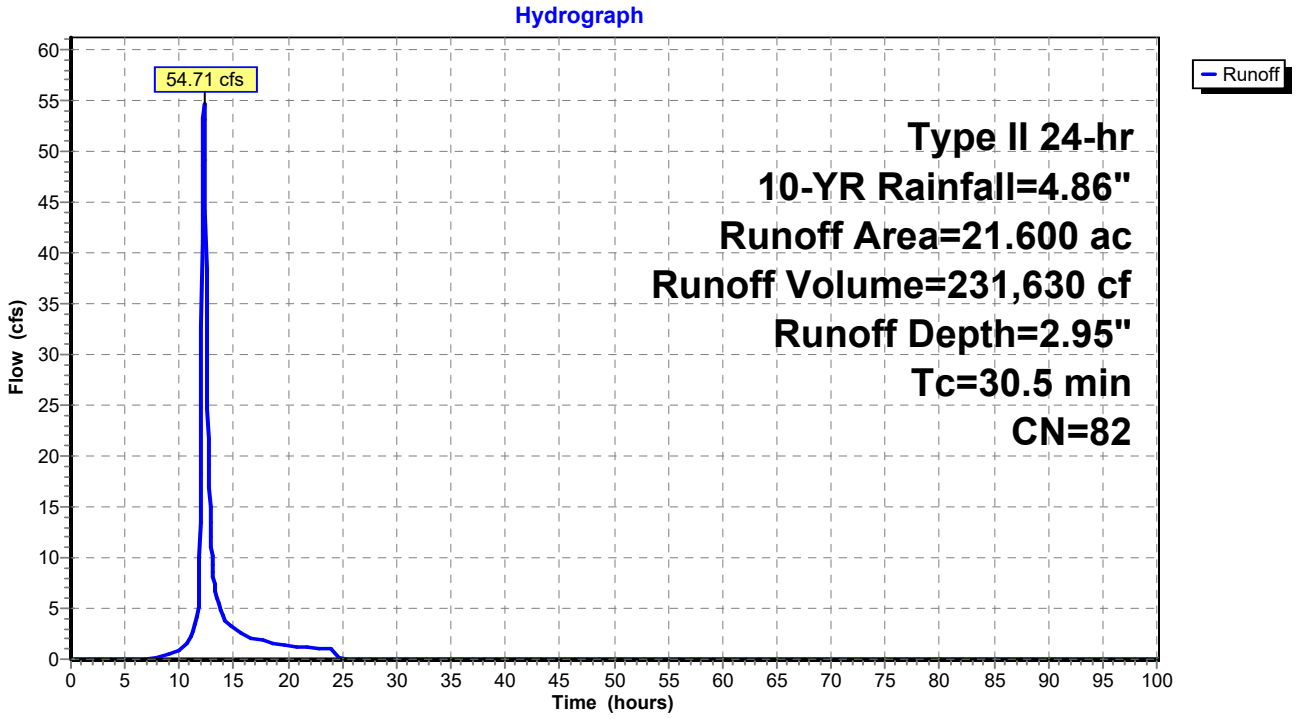
Runoff = 54.71 cfs @ 12.25 hrs, Volume= 231,630 cf, Depth= 2.95"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 21S: PRE - 55



Summary for Subcatchment 22S: POST - 55

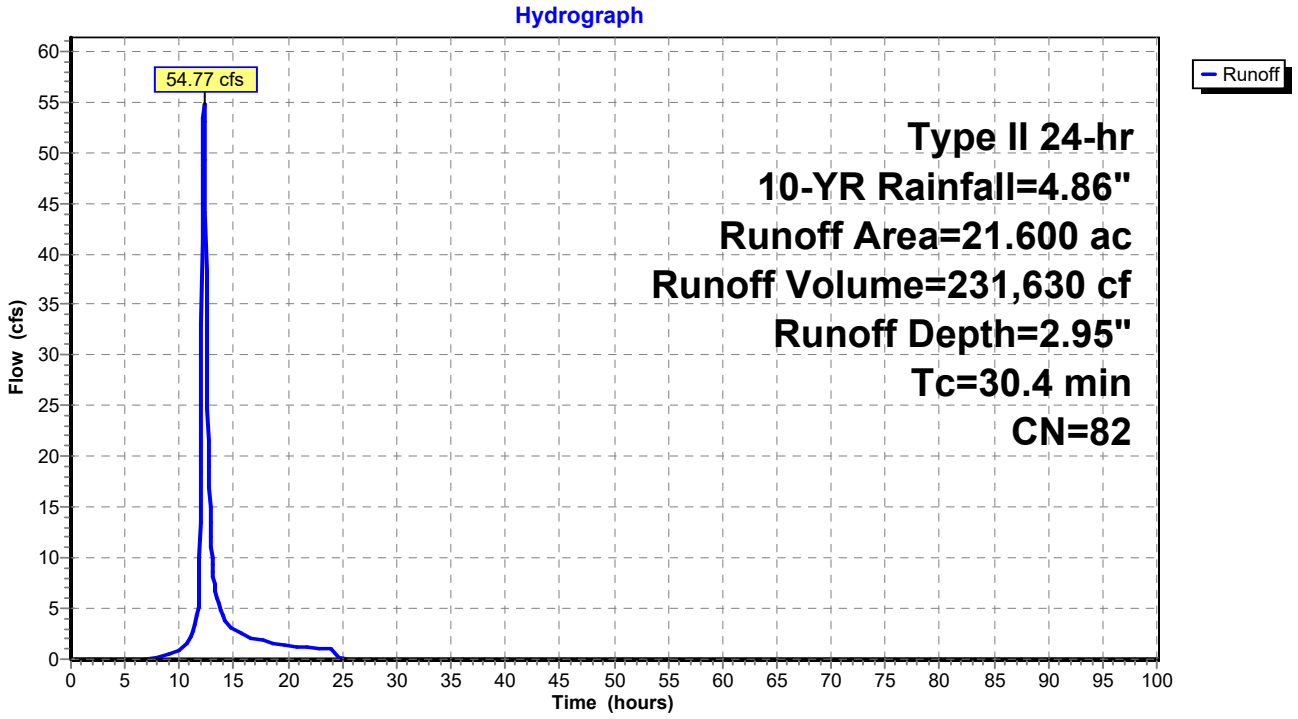
Runoff = 54.77 cfs @ 12.25 hrs, Volume= 231,630 cf, Depth= 2.95"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 22S: POST - 55



Summary for Subcatchment 23S: PRE - 56

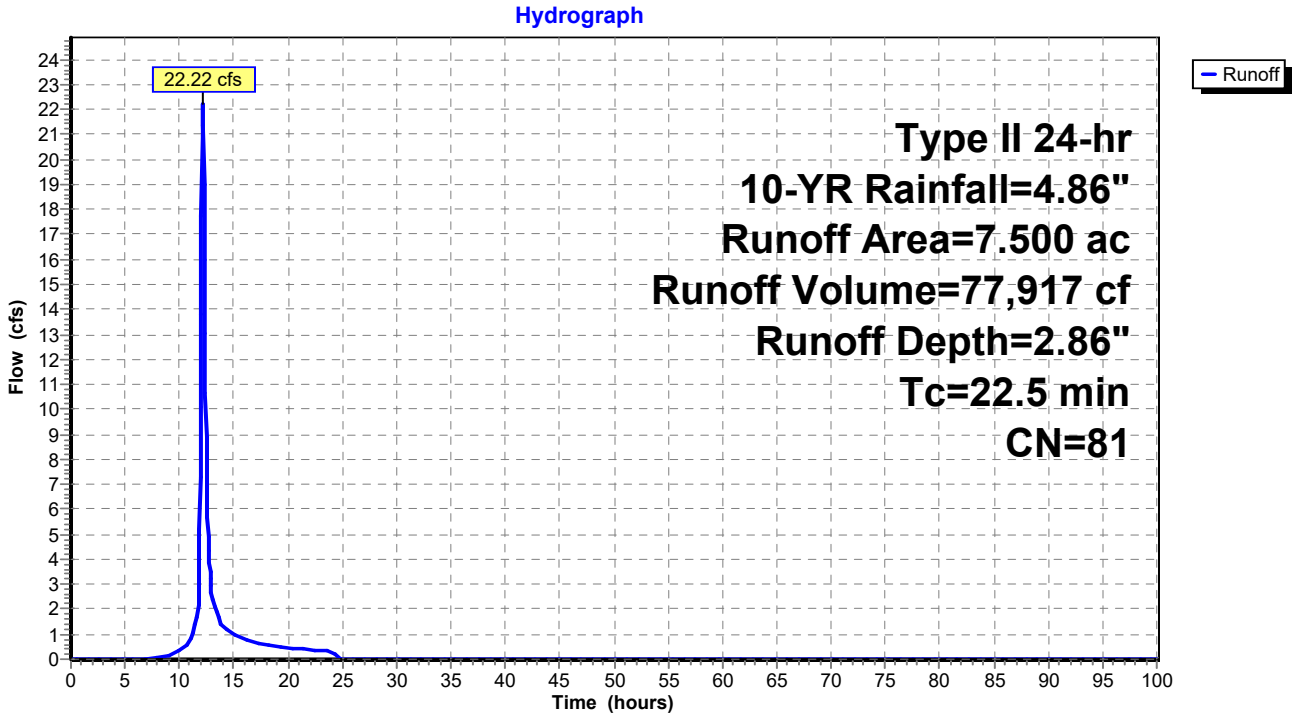
Runoff = 22.22 cfs @ 12.16 hrs, Volume= 77,917 cf, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	7.500	81	
	7.500		100.00% Pervious Area

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

Subcatchment 23S: PRE - 56



Summary for Subcatchment 24S: POST - 56

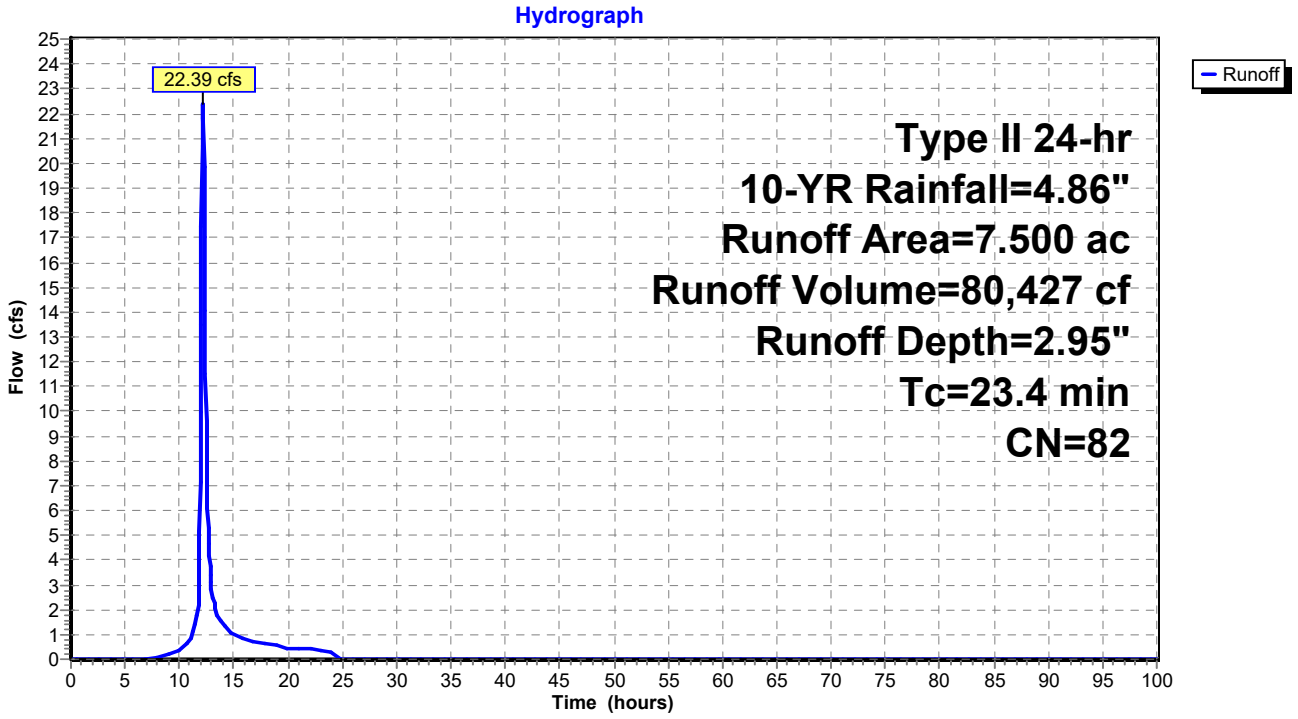
Runoff = 22.39 cfs @ 12.16 hrs, Volume= 80,427 cf, Depth= 2.95"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	7.500	82	
	7.500		100.00% Pervious Area

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

Subcatchment 24S: POST - 56



Summary for Subcatchment 25S: PRE - 57

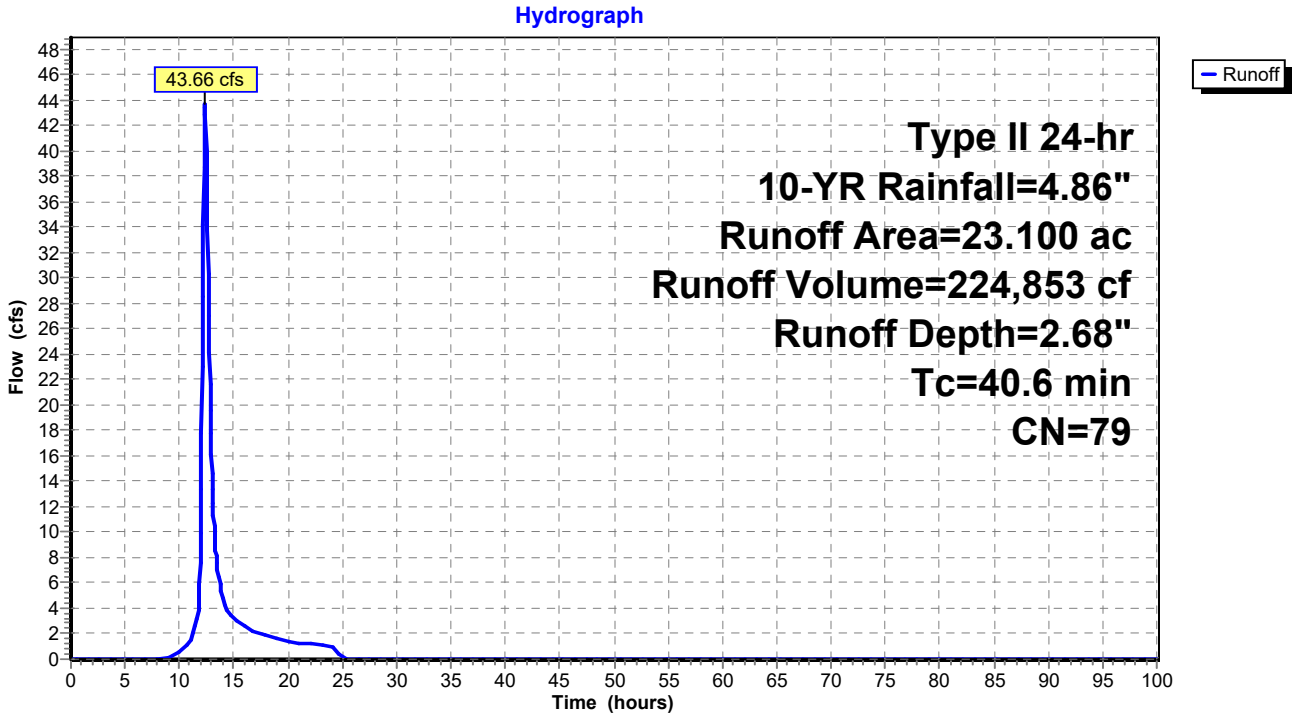
Runoff = 43.66 cfs @ 12.38 hrs, Volume= 224,853 cf, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 25S: PRE - 57



Summary for Subcatchment 26S: POST - 57

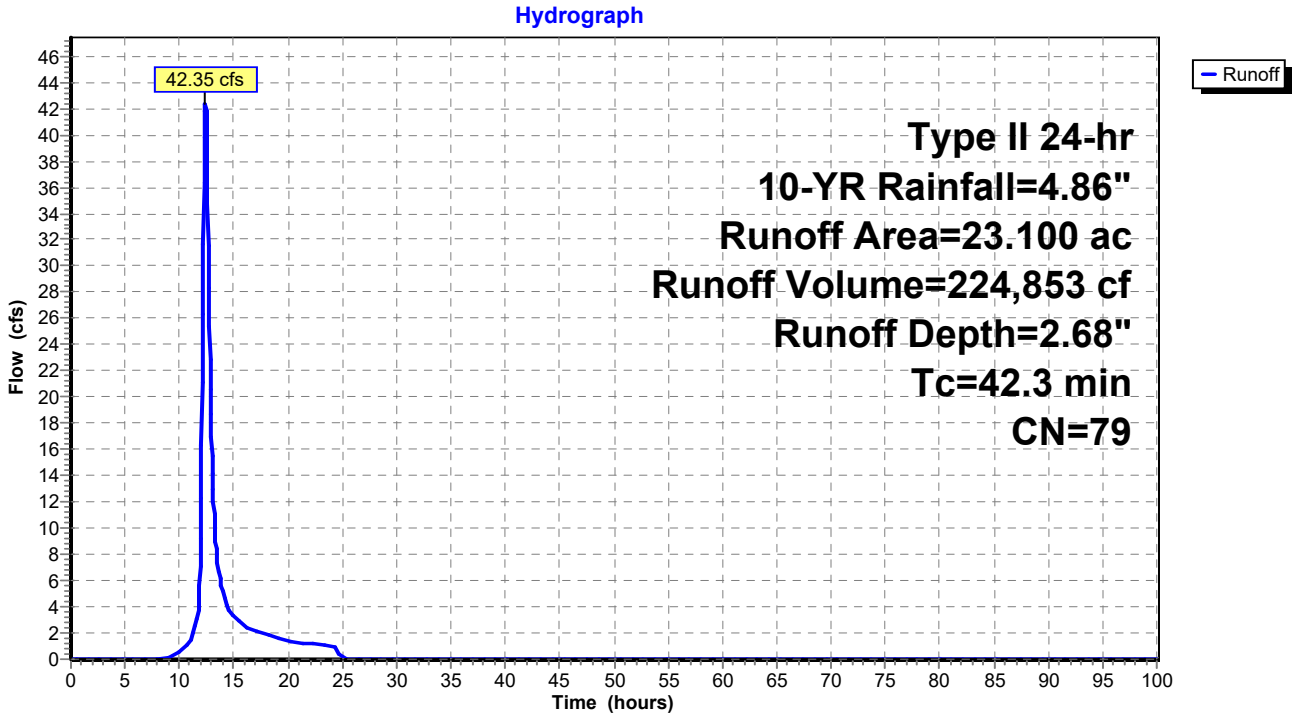
Runoff = 42.35 cfs @ 12.40 hrs, Volume= 224,853 cf, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 57



Summary for Subcatchment 27S: PRE - 58

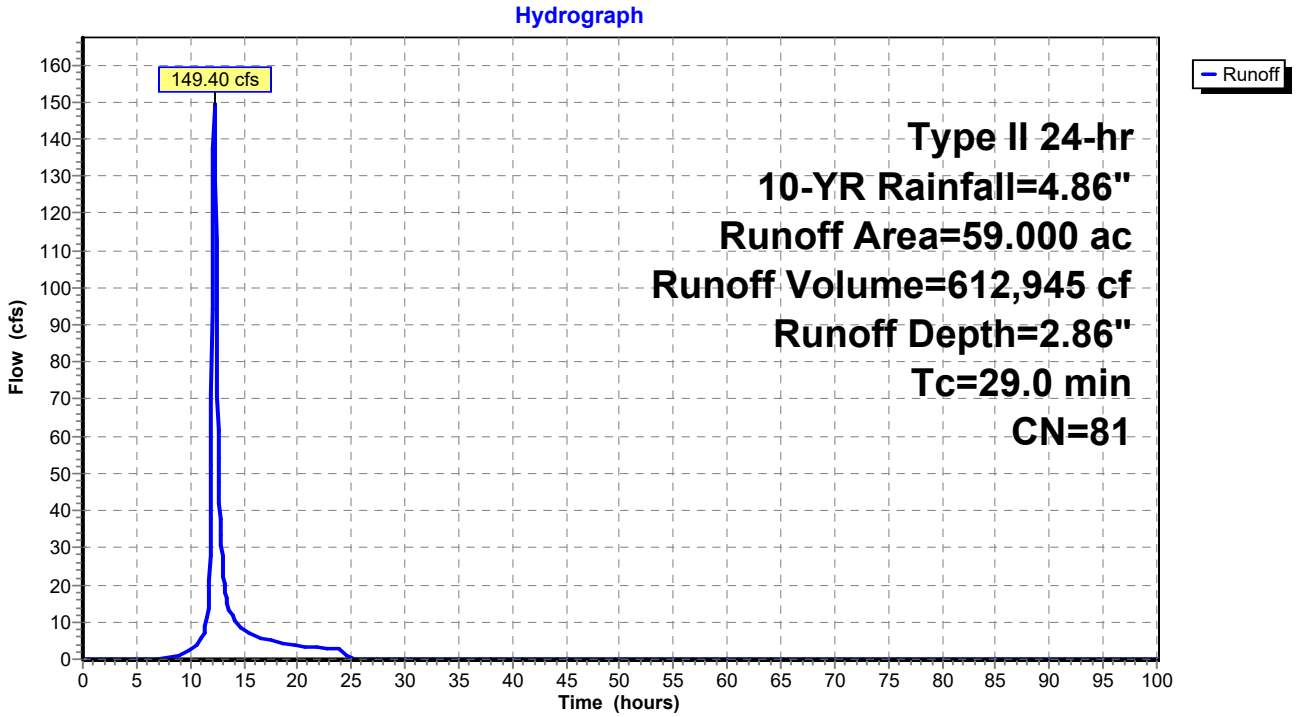
Runoff = 149.40 cfs @ 12.23 hrs, Volume= 612,945 cf, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 27S: PRE - 58



Summary for Subcatchment 28S: POST - 58

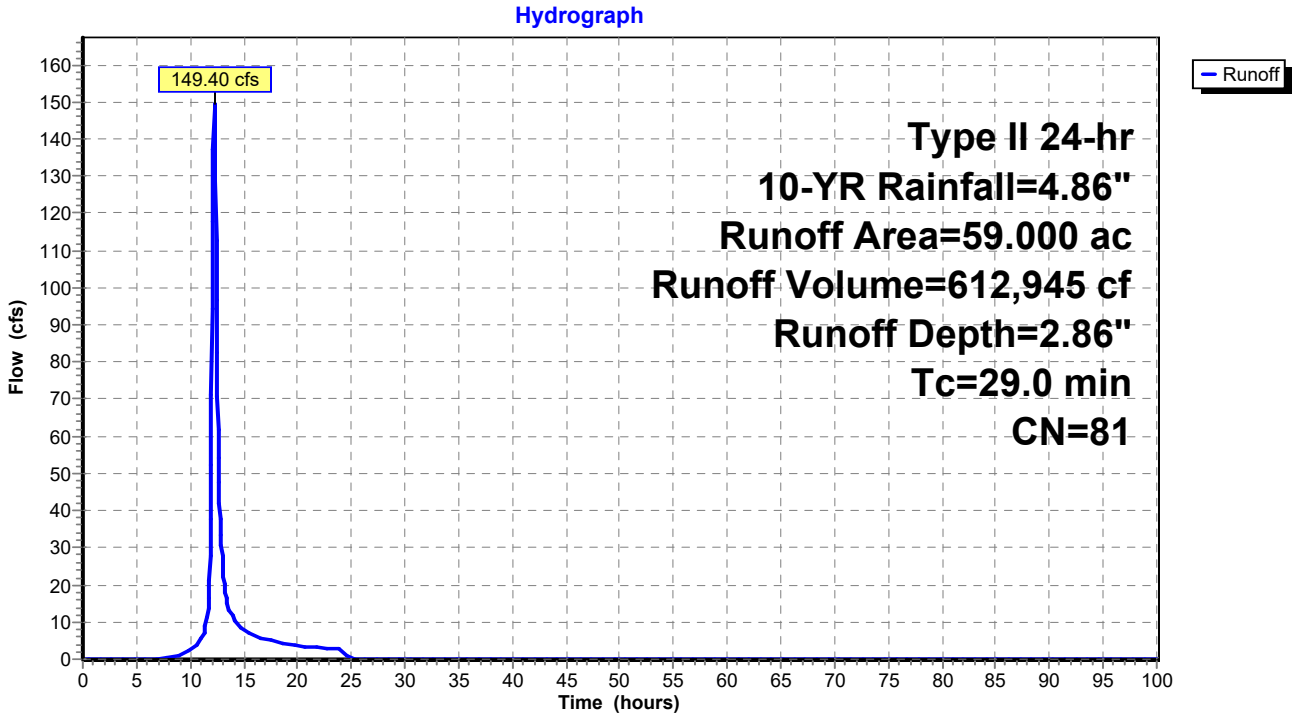
Runoff = 149.40 cfs @ 12.23 hrs, Volume= 612,945 cf, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 28S: POST - 58



Summary for Subcatchment 29S: PRE - 59

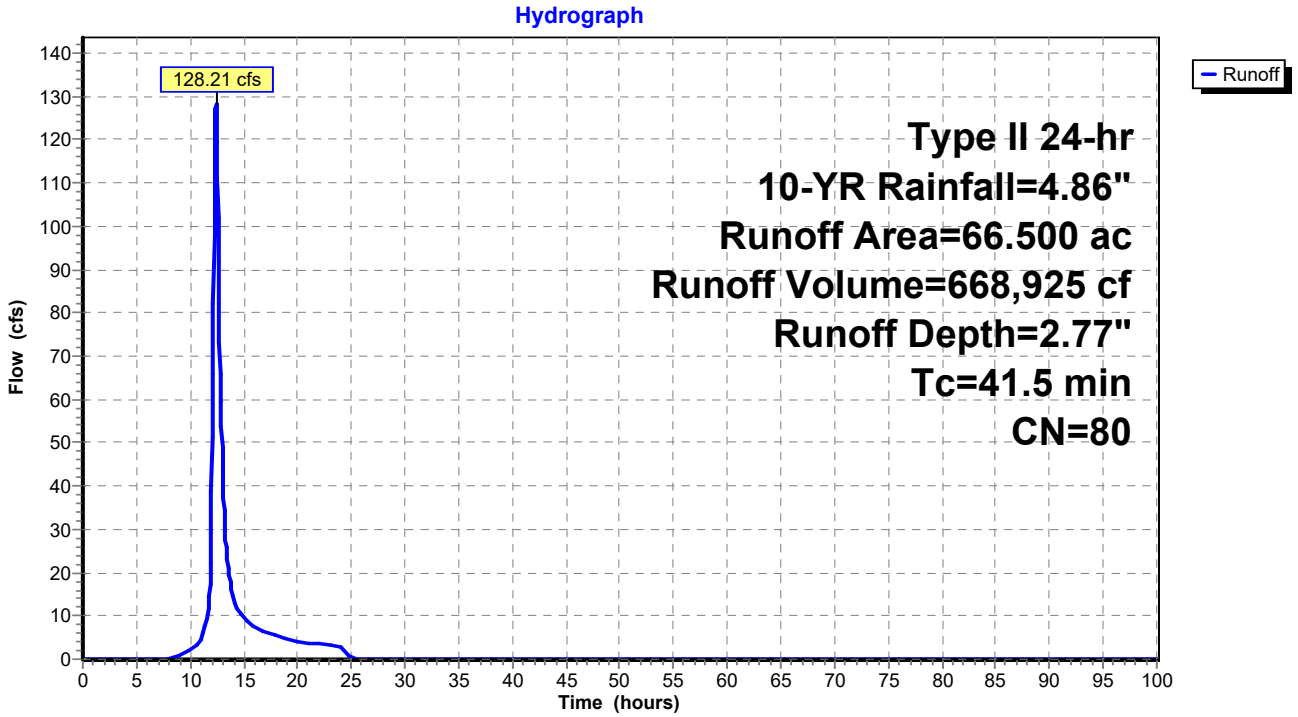
Runoff = 128.21 cfs @ 12.39 hrs, Volume= 668,925 cf, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	66.500	80	
	66.500		100.00% Pervious Area

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

Subcatchment 29S: PRE - 59



Summary for Subcatchment 30S: POST - 59

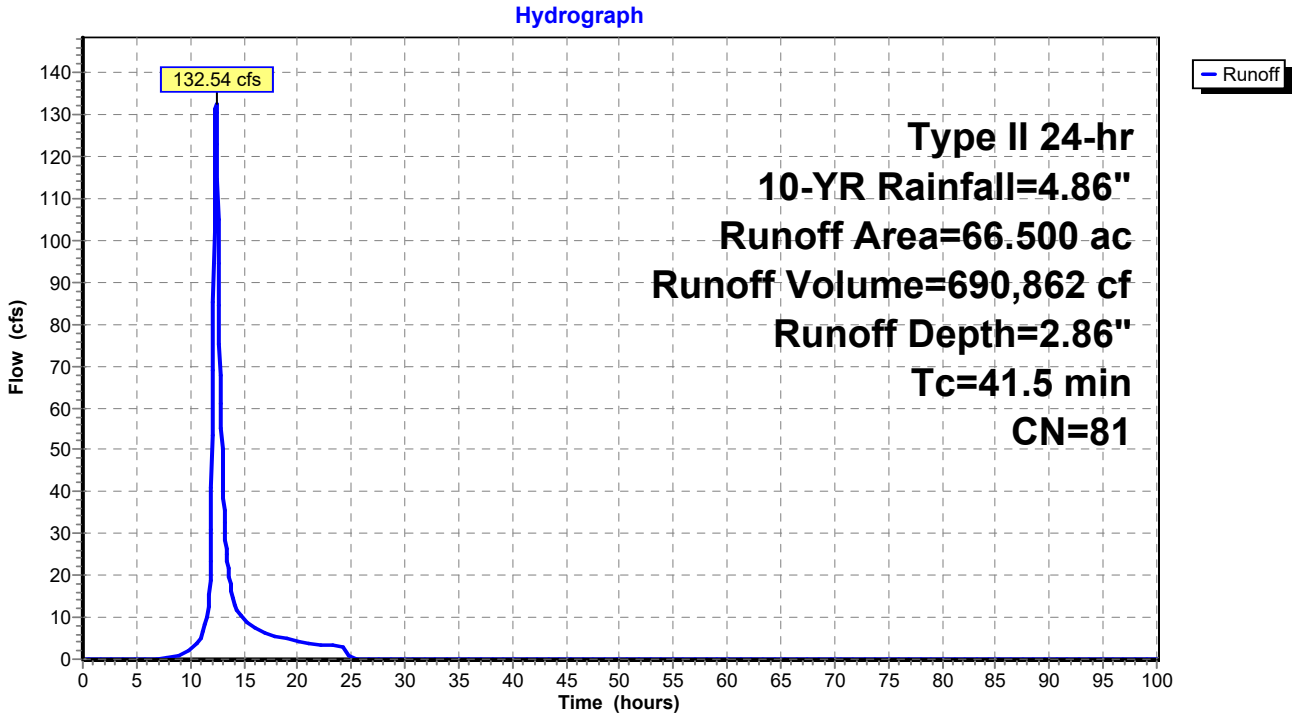
Runoff = 132.54 cfs @ 12.39 hrs, Volume= 690,862 cf, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 10-YR Rainfall=4.86"

	Area (ac)	CN	Description
*	66.500	81	
	66.500		100.00% Pervious Area

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

Subcatchment 30S: POST - 59



Time span=0.00-100.00 hrs, dt=0.05 hrs, 2001 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: PRE - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=5.27"
Tc=34.7 min CN=79 Runoff=126.67 cfs 586,882 cf

Subcatchment2S: POST - 60 Runoff Area=30.700 ac 0.00% Impervious Runoff Depth=5.27"
Tc=32.9 min CN=79 Runoff=131.48 cfs 586,882 cf

Subcatchment3S: PRE - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=4.35"
Tc=23.8 min CN=71 Runoff=158.62 cfs 575,329 cf

Subcatchment4S: POST - 46 Runoff Area=36.400 ac 0.00% Impervious Runoff Depth=4.47"
Tc=25.8 min CN=72 Runoff=155.00 cfs 590,241 cf

Subcatchment5S: PRE - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=4.81"
Tc=47.4 min CN=75 Runoff=67.01 cfs 383,942 cf

Subcatchment6S: POST - 47 Runoff Area=22.000 ac 0.00% Impervious Runoff Depth=5.04"
Tc=51.9 min CN=77 Runoff=65.93 cfs 402,206 cf

Subcatchment7S: PRE - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=5.15"
Tc=26.6 min CN=78 Runoff=138.17 cfs 538,527 cf

Subcatchment8S: POST - 48 Runoff Area=28.800 ac 0.00% Impervious Runoff Depth=5.38"
Tc=29.4 min CN=80 Runoff=134.86 cfs 562,623 cf

Subcatchment9S: PRE - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=4.35"
Tc=12.2 min CN=71 Runoff=50.85 cfs 131,188 cf

Subcatchment10S: POST - 49 Runoff Area=8.300 ac 0.00% Impervious Runoff Depth=4.81"
Tc=13.1 min CN=75 Runoff=54.23 cfs 144,851 cf

Subcatchment11S: PRE - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=4.24"
Tc=20.0 min CN=70 Runoff=37.51 cfs 123,179 cf

Subcatchment12S: POST - 50 Runoff Area=8.000 ac 0.00% Impervious Runoff Depth=4.69"
Tc=21.7 min CN=74 Runoff=39.64 cfs 136,308 cf

Subcatchment13S: PRE - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=4.92"
Tc=53.0 min CN=76 Runoff=274.64 cfs 1,702,673 cf

Subcatchment14S: POST - 51 Runoff Area=95.300 ac 0.00% Impervious Runoff Depth=5.04"
Tc=46.6 min CN=77 Runoff=307.51 cfs 1,742,285 cf

Subcatchment15S: PRE - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=3.69"
Tc=25.6 min CN=65 Runoff=13.64 cfs 52,170 cf

Subcatchment16S: POST - 52 Runoff Area=3.900 ac 0.00% Impervious Runoff Depth=4.13"
Tc=27.2 min CN=69 Runoff=14.82 cfs 58,462 cf

Subcatchment17S: PRE - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=4.69"
Tc=31.9 min CN=74 Runoff=51.22 cfs 223,205 cf

Subcatchment18S: POST - 53 Runoff Area=13.100 ac 0.00% Impervious Runoff Depth=5.15"
Tc=22.7 min CN=78 Runoff=69.06 cfs 244,955 cf

Subcatchment19S: PRE - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=5.04"
Tc=50.3 min CN=77 Runoff=269.11 cfs 1,608,825 cf

Subcatchment20S: POST - 54 Runoff Area=88.000 ac 0.00% Impervious Runoff Depth=5.15"
Tc=42.4 min CN=78 Runoff=310.66 cfs 1,645,499 cf

Subcatchment21S: PRE - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=5.61"
Tc=30.5 min CN=82 Runoff=102.73 cfs 440,126 cf

Subcatchment22S: POST - 55 Runoff Area=21.600 ac 0.00% Impervious Runoff Depth=5.61"
Tc=30.4 min CN=82 Runoff=102.85 cfs 440,126 cf

Subcatchment23S: PRE - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=5.50"
Tc=22.5 min CN=81 Runoff=42.11 cfs 149,665 cf

Subcatchment24S: POST - 56 Runoff Area=7.500 ac 0.00% Impervious Runoff Depth=5.61"
Tc=23.4 min CN=82 Runoff=41.92 cfs 152,822 cf

Subcatchment25S: PRE - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=5.27"
Tc=40.6 min CN=79 Runoff=85.70 cfs 441,595 cf

Subcatchment26S: POST - 57 Runoff Area=23.100 ac 0.00% Impervious Runoff Depth=5.27"
Tc=42.3 min CN=79 Runoff=83.19 cfs 441,595 cf

Subcatchment27S: PRE - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=5.50"
Tc=29.0 min CN=81 Runoff=284.83 cfs 1,177,367 cf

Subcatchment28S: POST - 58 Runoff Area=59.000 ac 0.00% Impervious Runoff Depth=5.50"
Tc=29.0 min CN=81 Runoff=284.83 cfs 1,177,367 cf

Subcatchment29S: PRE - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=5.38"
Tc=41.5 min CN=80 Runoff=248.20 cfs 1,299,112 cf

Subcatchment30S: POST - 59 Runoff Area=66.500 ac 0.00% Impervious Runoff Depth=5.50"
Tc=41.5 min CN=81 Runoff=253.06 cfs 1,327,032 cf

Total Runoff Area = 44,622,864 sf Runoff Volume = 19,087,037 cf Average Runoff Depth = 5.13"
100.00% Pervious = 44,622,864 sf 0.00% Impervious = 0 sf

Summary for Subcatchment 1S: PRE - 60

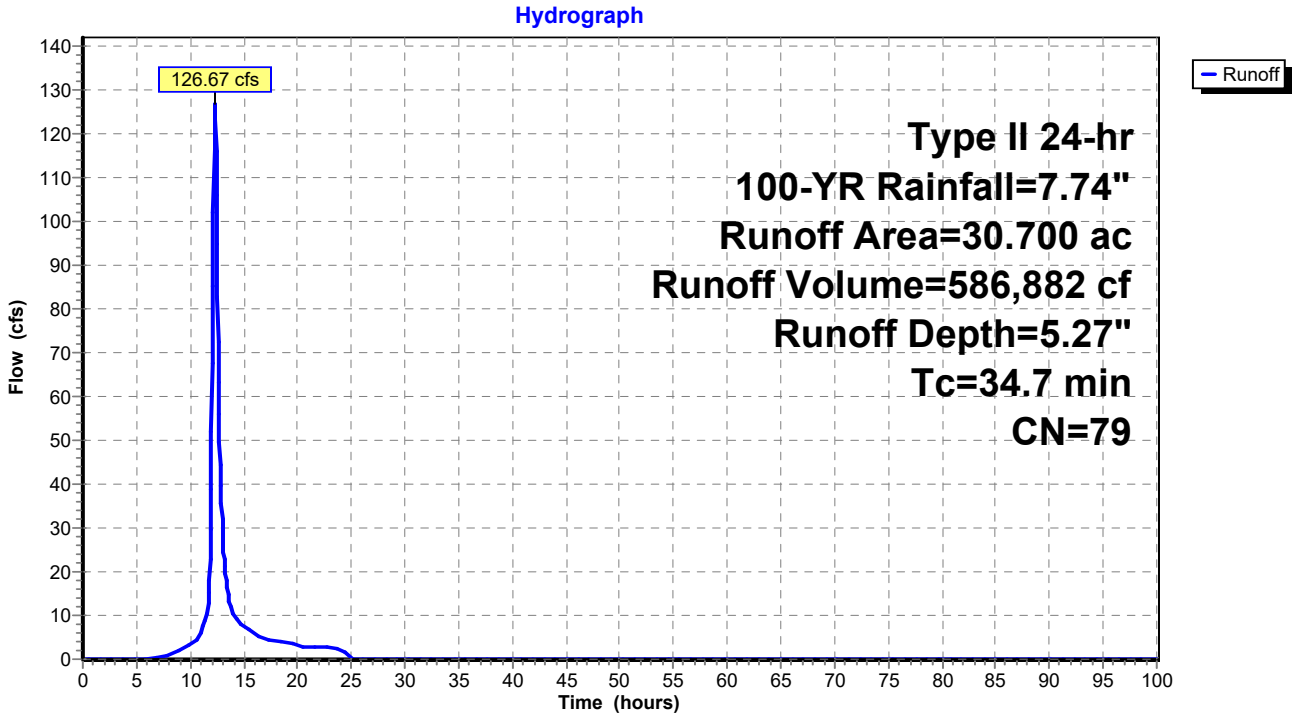
Runoff = 126.67 cfs @ 12.29 hrs, Volume= 586,882 cf, Depth= 5.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 1S: PRE - 60



Summary for Subcatchment 2S: POST - 60

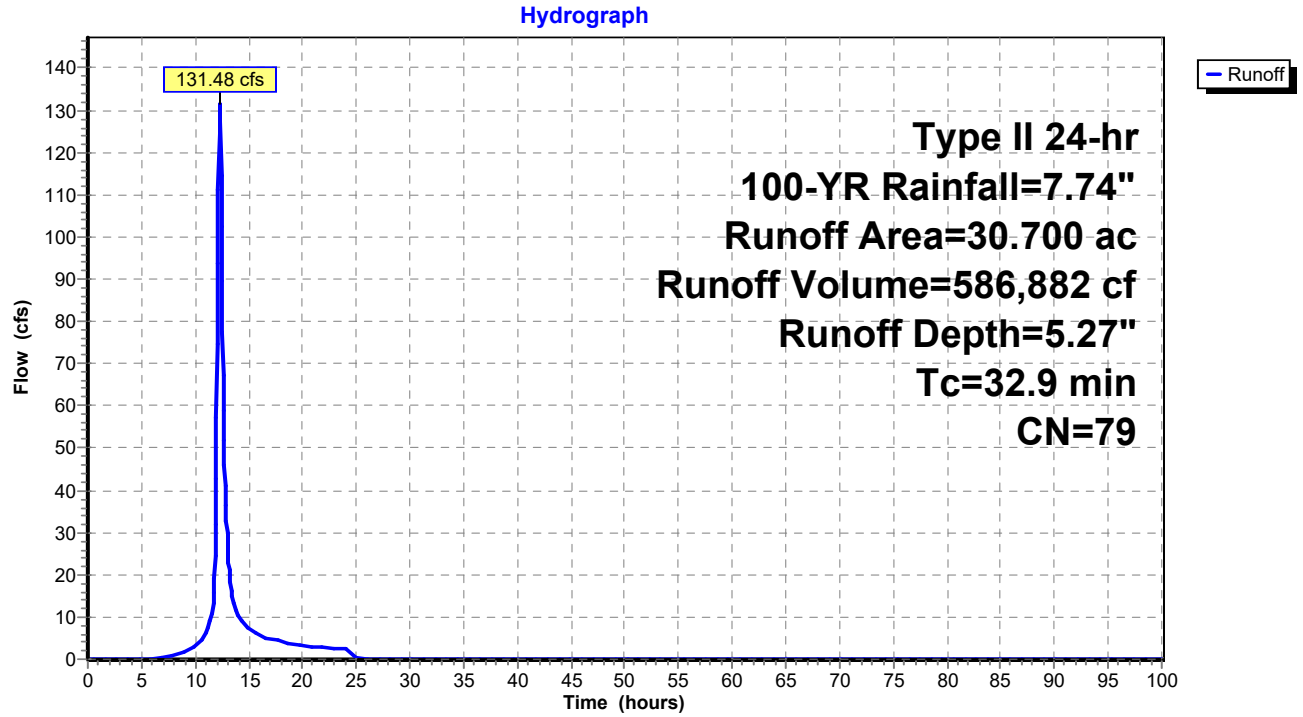
Runoff = 131.48 cfs @ 12.27 hrs, Volume= 586,882 cf, Depth= 5.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	30.700	79	
	30.700		100.00% Pervious Area

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

Subcatchment 2S: POST - 60



Summary for Subcatchment 3S: PRE - 46

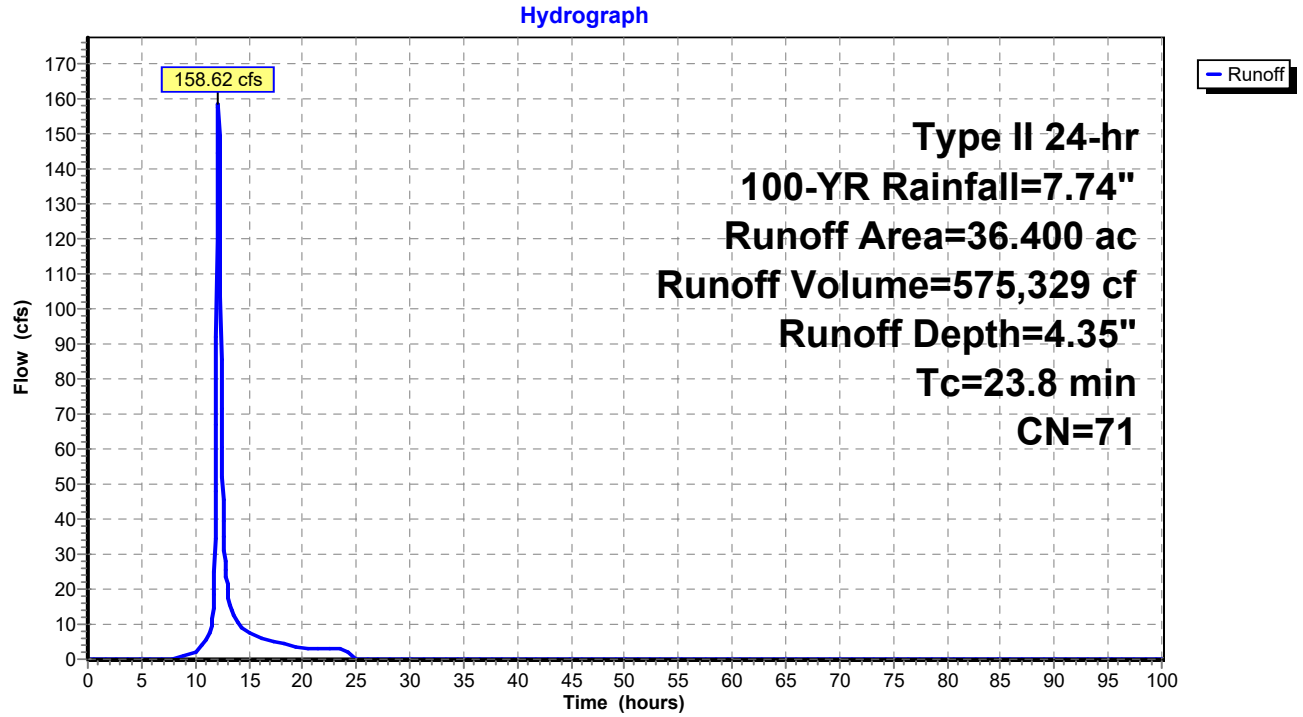
Runoff = 158.62 cfs @ 12.17 hrs, Volume= 575,329 cf, Depth= 4.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	36.400	71	
	36.400		100.00% Pervious Area

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

Subcatchment 3S: PRE - 46



Summary for Subcatchment 4S: POST - 46

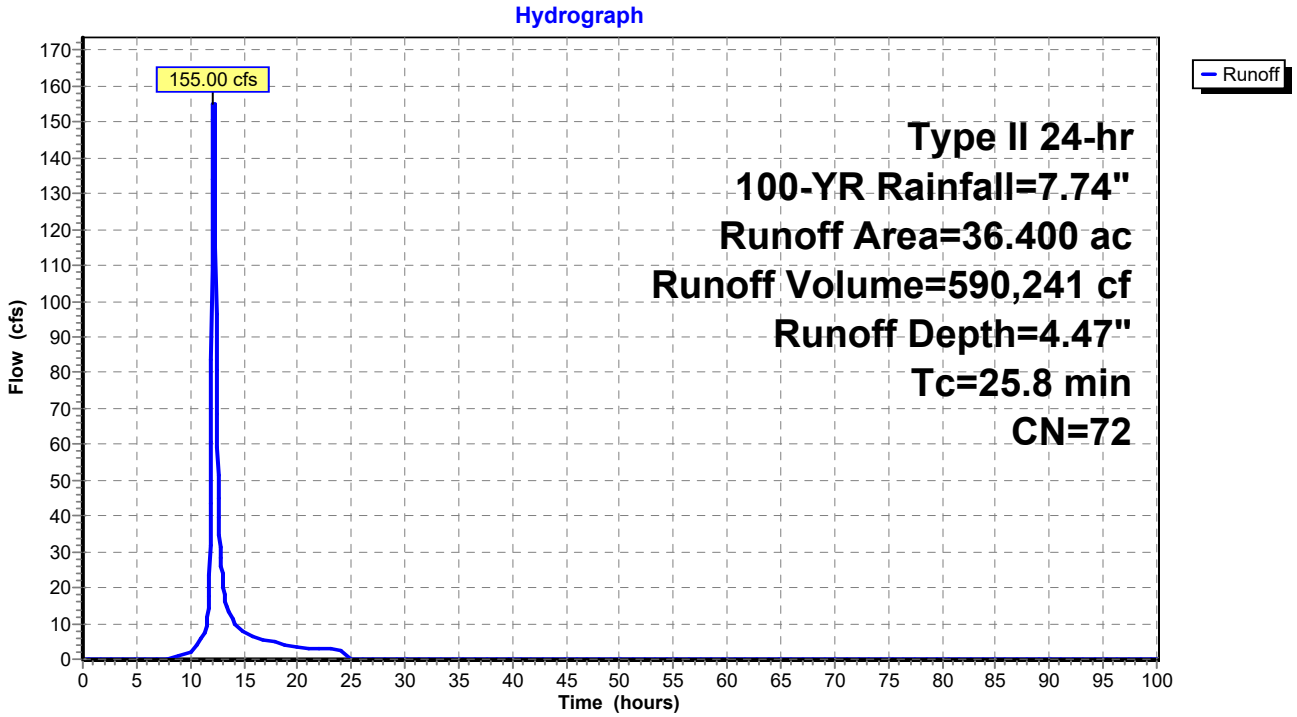
Runoff = 155.00 cfs @ 12.19 hrs, Volume= 590,241 cf, Depth= 4.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	36.400	72	
	36.400		100.00% Pervious Area

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

Subcatchment 4S: POST - 46



Summary for Subcatchment 5S: PRE - 47

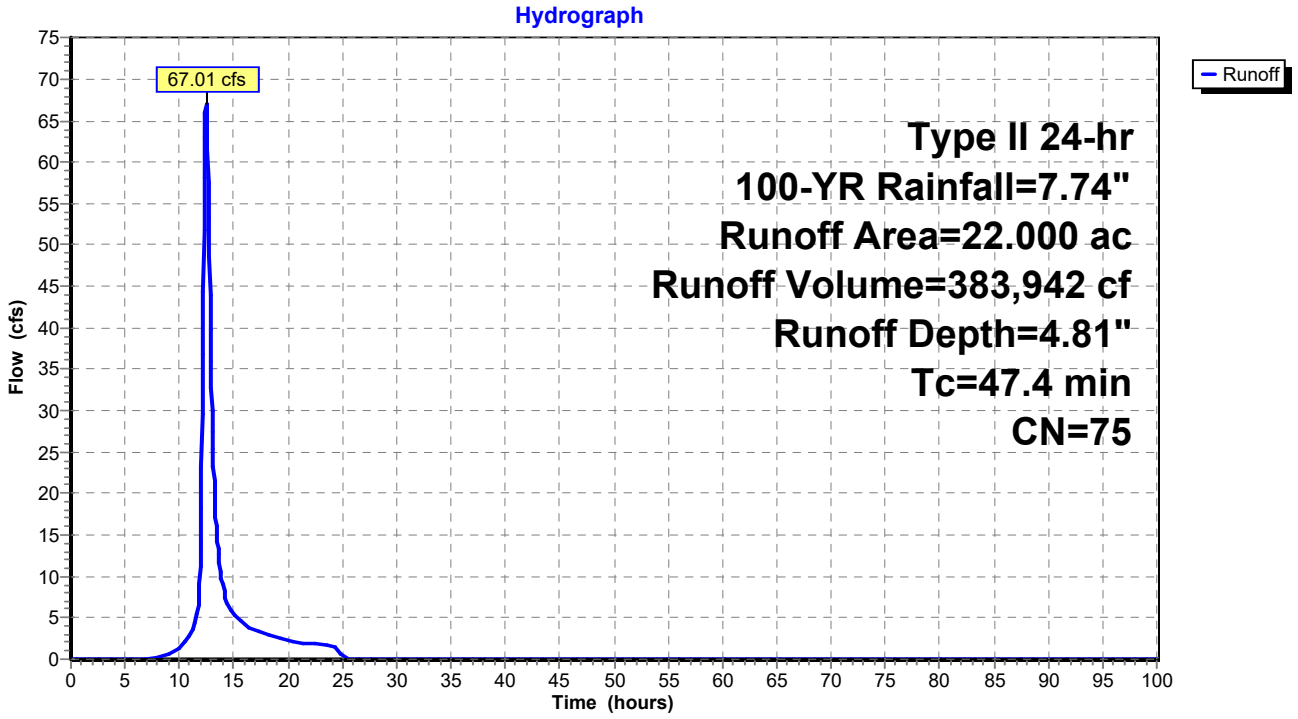
Runoff = 67.01 cfs @ 12.46 hrs, Volume= 383,942 cf, Depth= 4.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	22.000	75	
	22.000		100.00% Pervious Area

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

Subcatchment 5S: PRE - 47



Summary for Subcatchment 6S: POST - 47

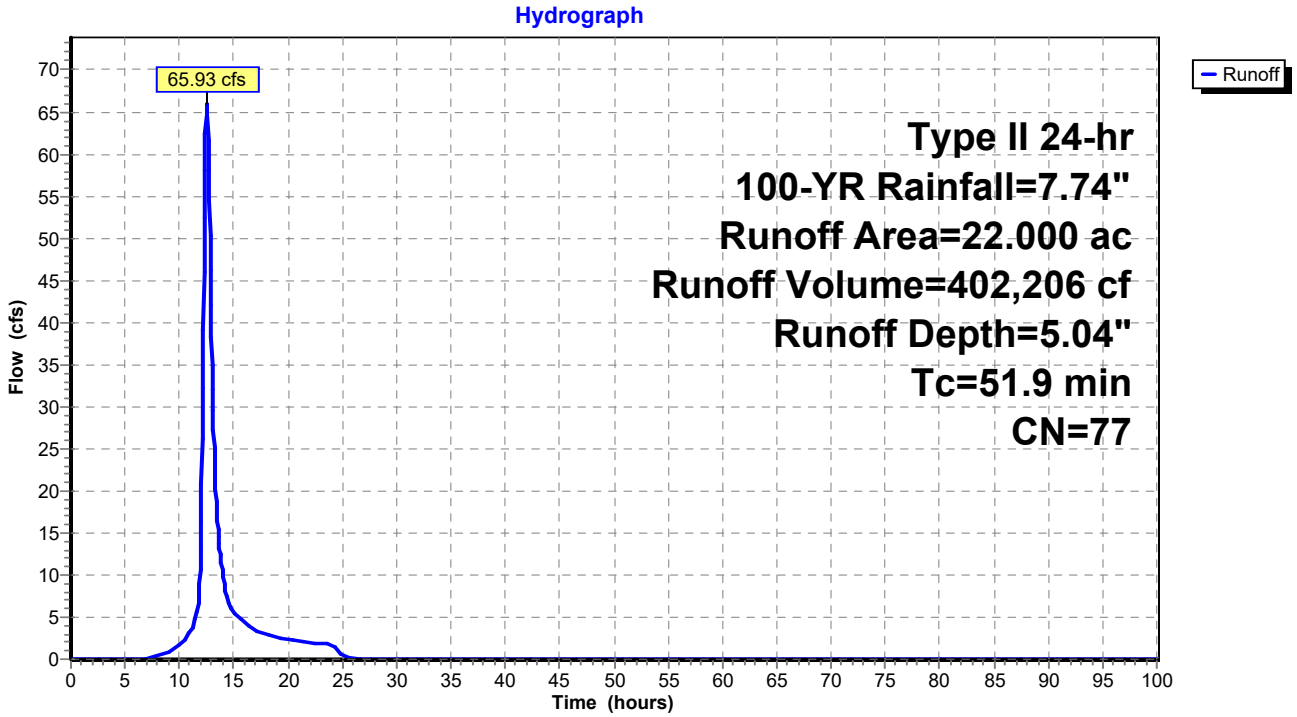
Runoff = 65.93 cfs @ 12.51 hrs, Volume= 402,206 cf, Depth= 5.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	22.000	77	
	22.000		100.00% Pervious Area

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

Subcatchment 6S: POST - 47



Summary for Subcatchment 7S: PRE - 48

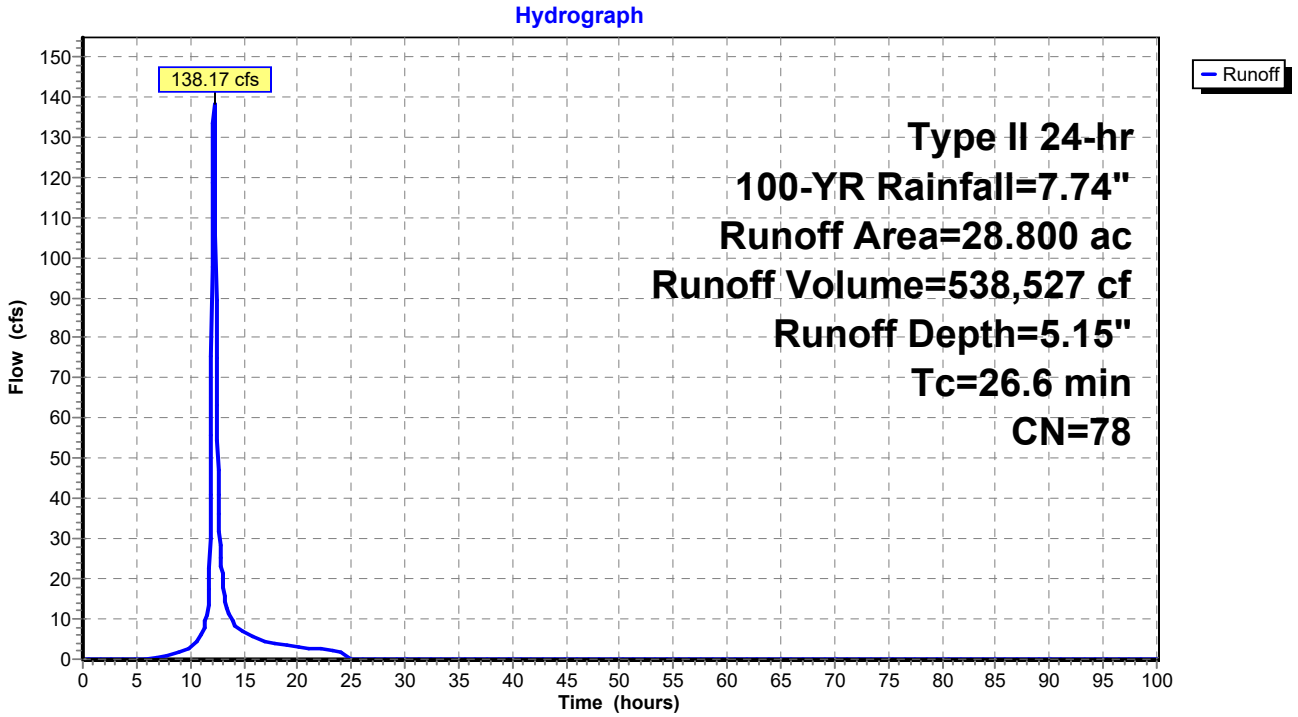
Runoff = 138.17 cfs @ 12.20 hrs, Volume= 538,527 cf, Depth= 5.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	28.800	78	
	28.800		100.00% Pervious Area

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

Subcatchment 7S: PRE - 48



Summary for Subcatchment 8S: POST - 48

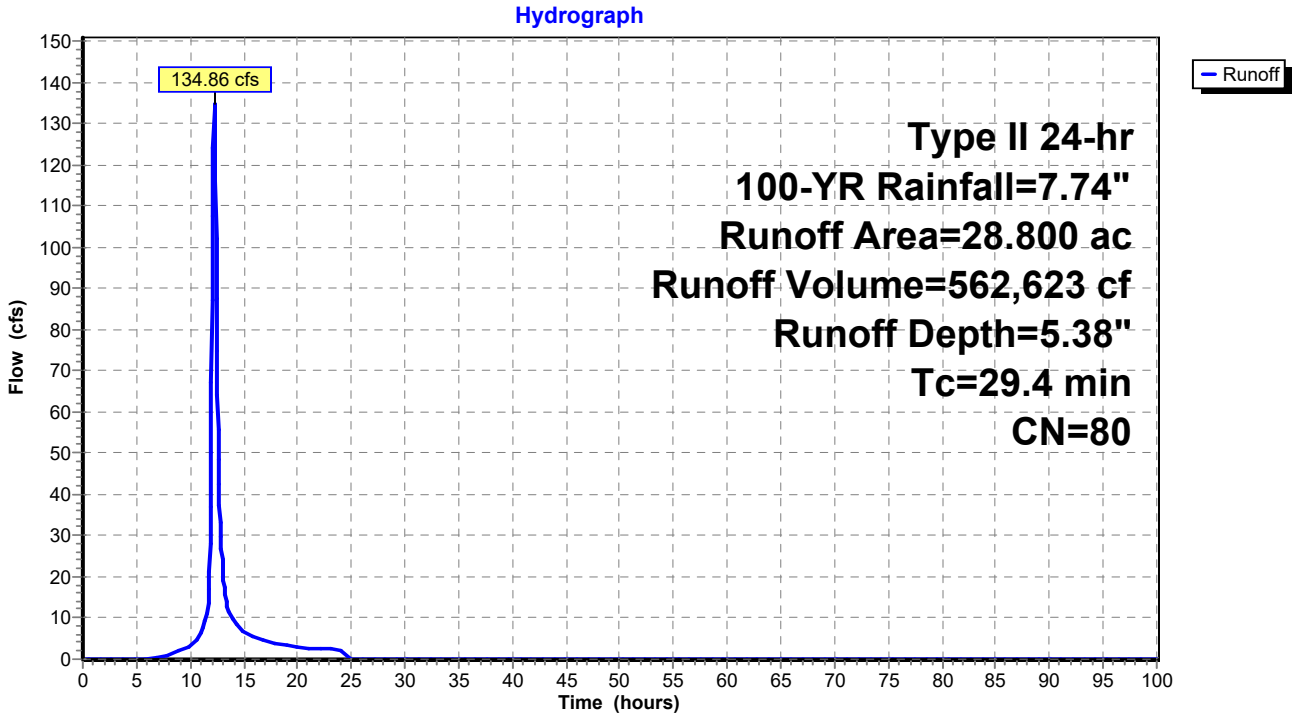
Runoff = 134.86 cfs @ 12.23 hrs, Volume= 562,623 cf, Depth= 5.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	28.800	80	
	28.800		100.00% Pervious Area

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

Subcatchment 8S: POST - 48



Summary for Subcatchment 9S: PRE - 49

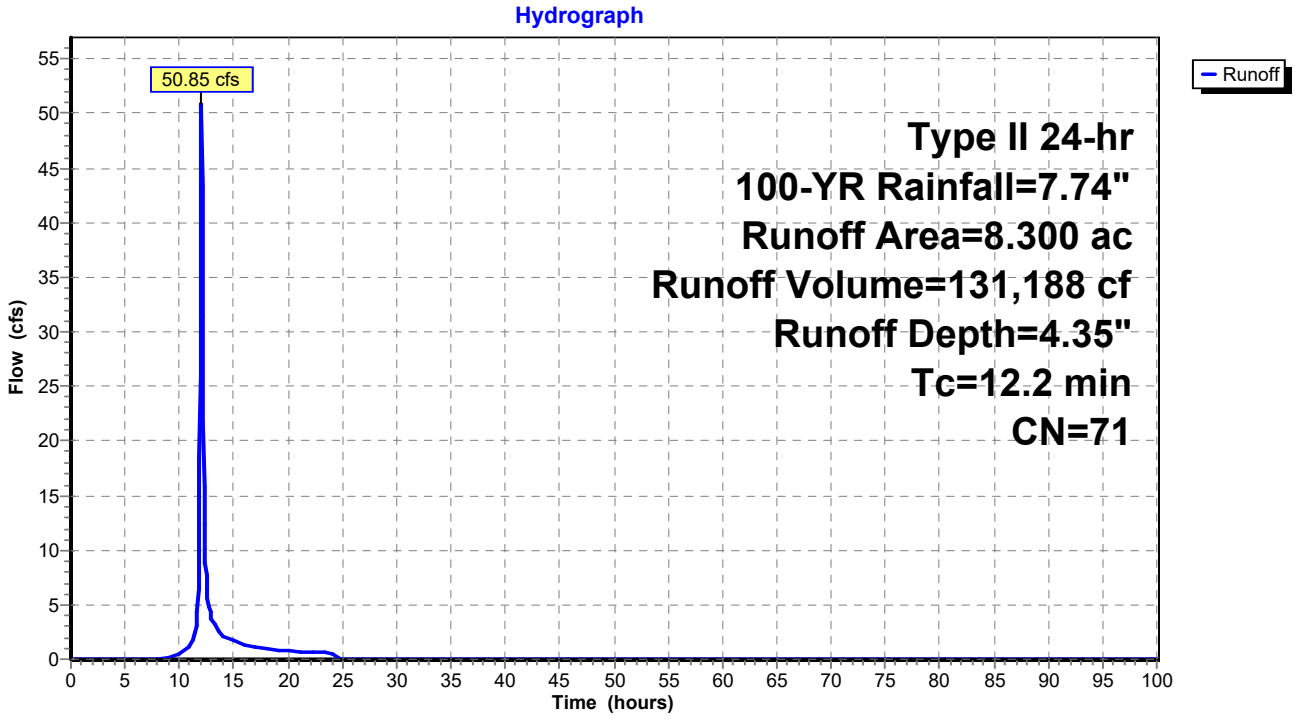
Runoff = 50.85 cfs @ 12.04 hrs, Volume= 131,188 cf, Depth= 4.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	8.300	71	
	8.300		100.00% Pervious Area

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

Subcatchment 9S: PRE - 49



Summary for Subcatchment 10S: POST - 49

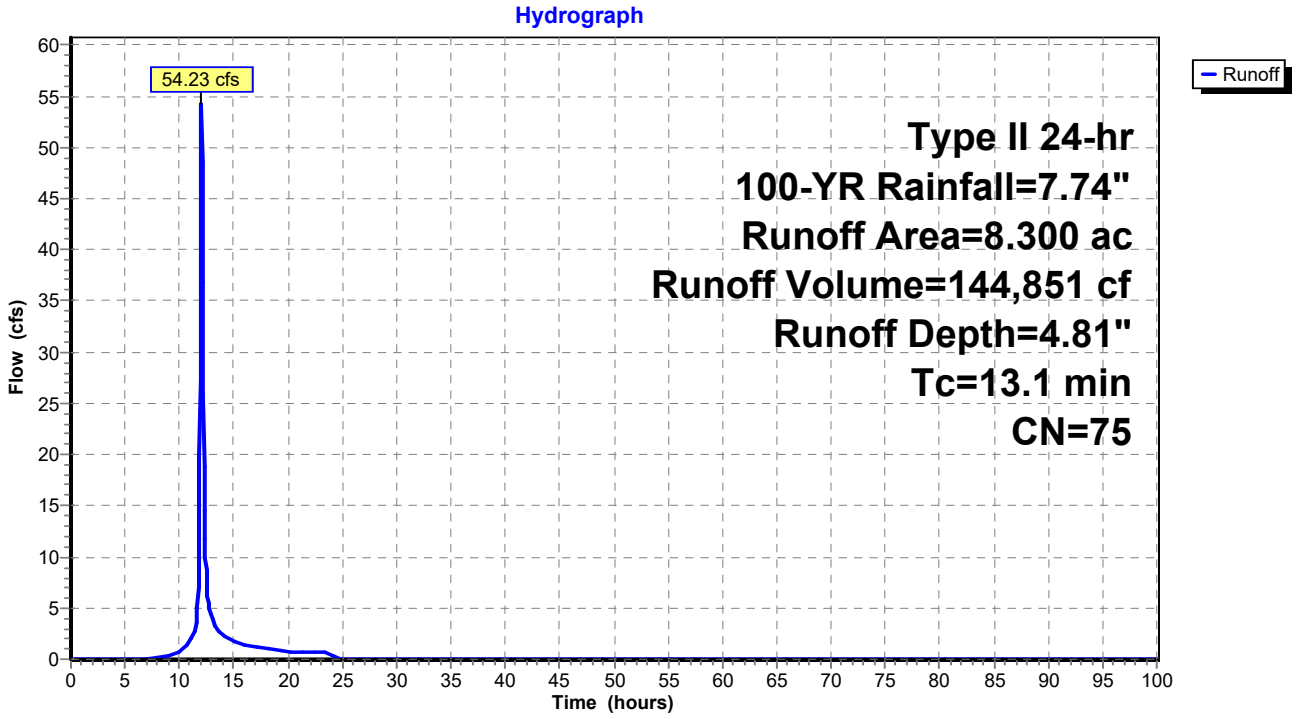
Runoff = 54.23 cfs @ 12.05 hrs, Volume= 144,851 cf, Depth= 4.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	8.300	75	
	8.300		100.00% Pervious Area

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

Subcatchment 10S: POST - 49



Summary for Subcatchment 11S: PRE - 50

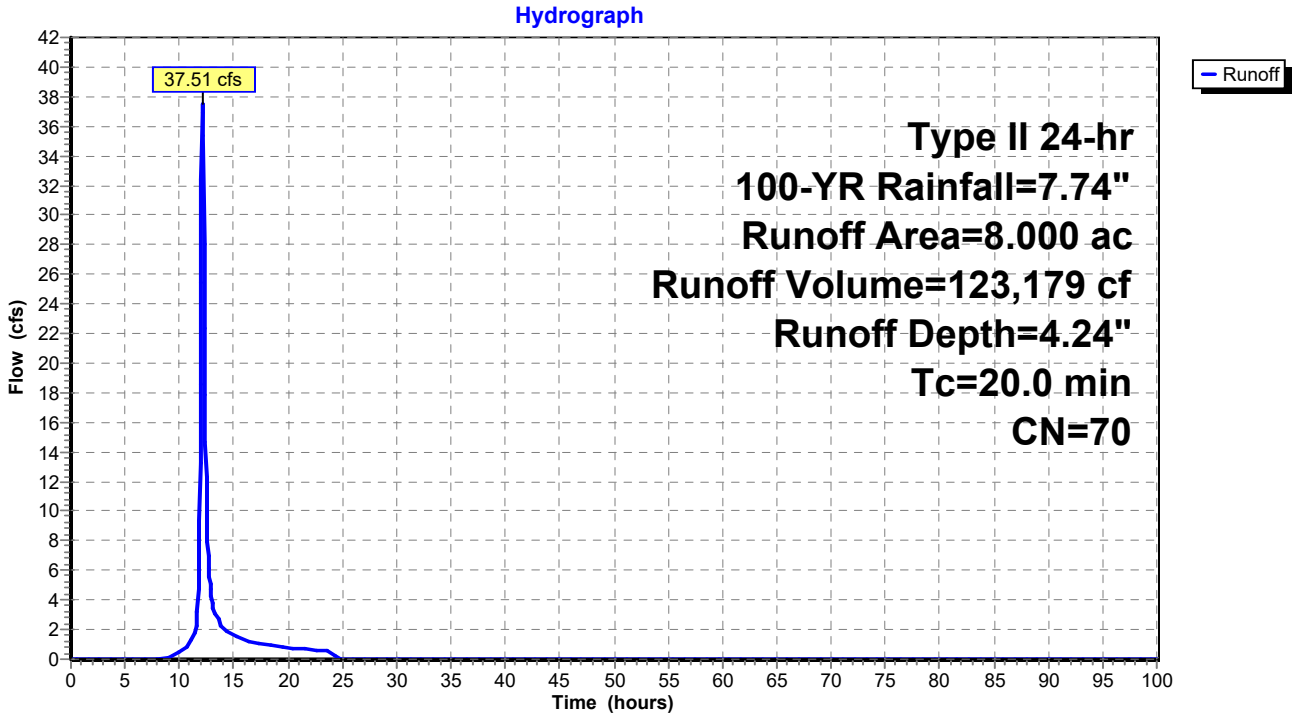
Runoff = 37.51 cfs @ 12.13 hrs, Volume= 123,179 cf, Depth= 4.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	8.000	70	
	8.000		100.00% Pervious Area

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

Subcatchment 11S: PRE - 50



Summary for Subcatchment 12S: POST - 50

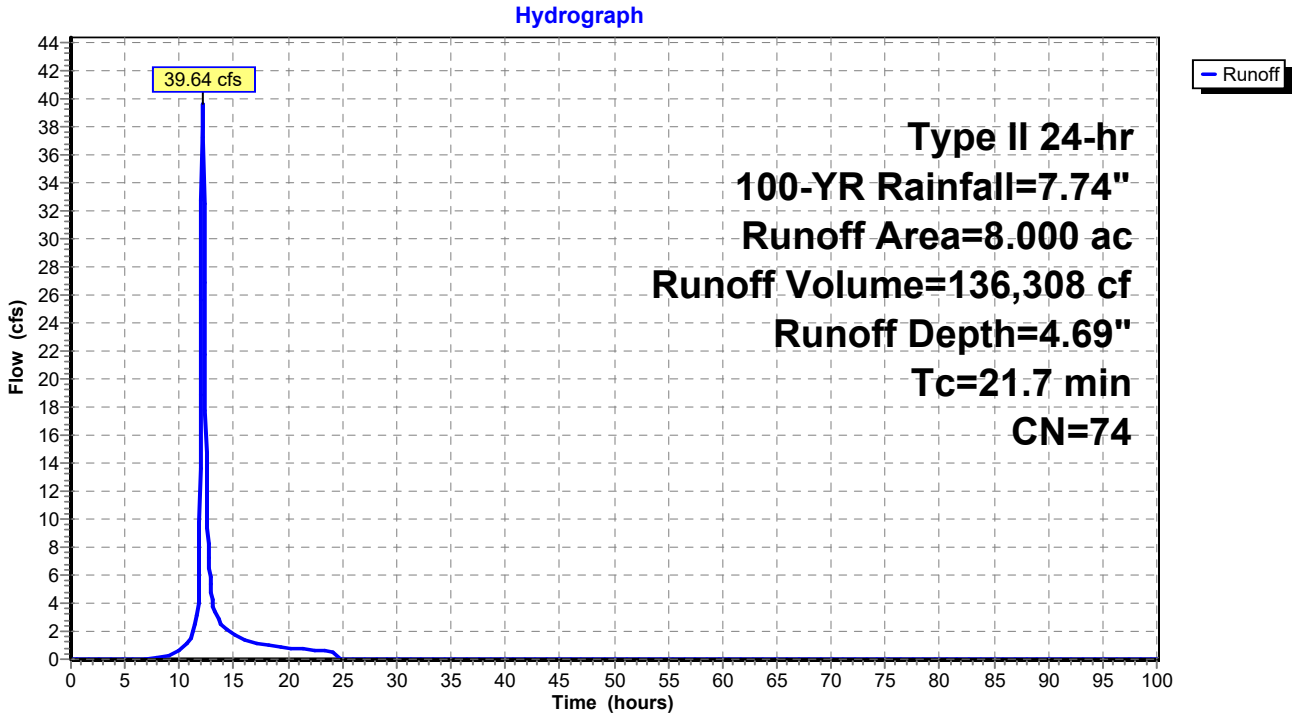
Runoff = 39.64 cfs @ 12.15 hrs, Volume= 136,308 cf, Depth= 4.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	8.000	74	
	8.000		100.00% Pervious Area

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

Subcatchment 12S: POST - 50



Summary for Subcatchment 13S: PRE - 51

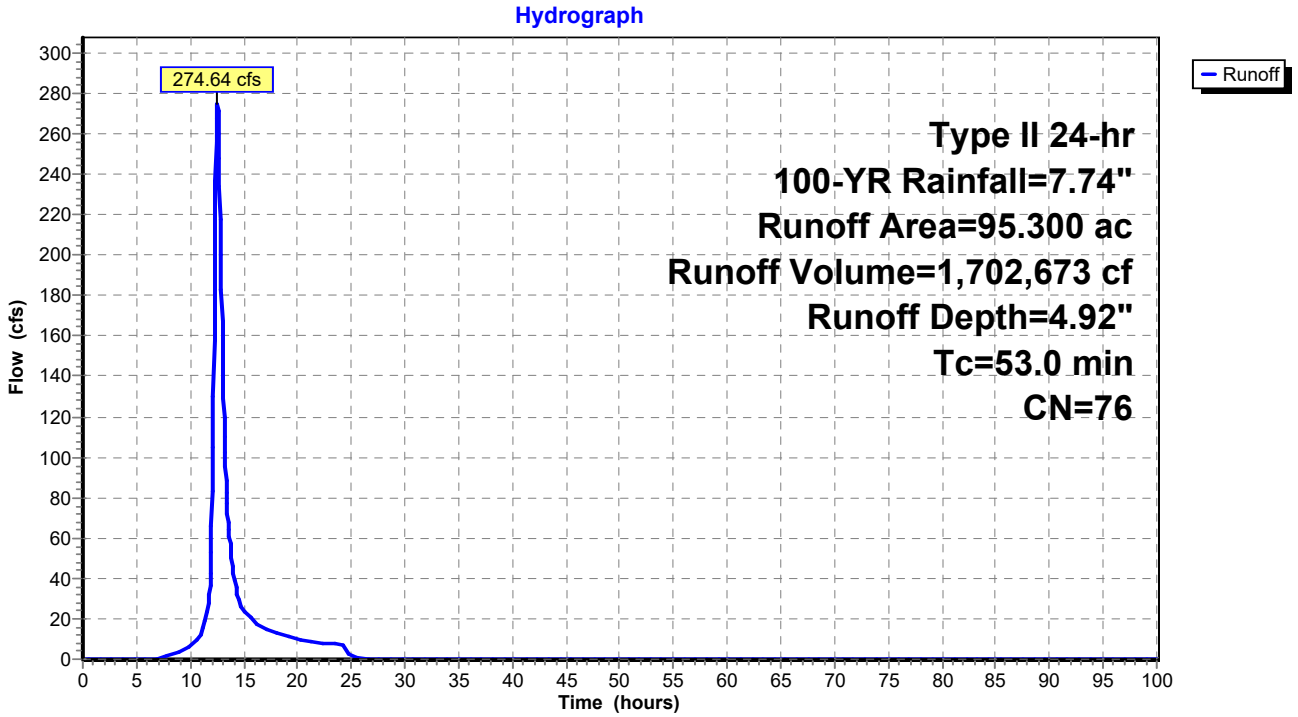
Runoff = 274.64 cfs @ 12.53 hrs, Volume= 1,702,673 cf, Depth= 4.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	95.300	76	
	95.300		100.00% Pervious Area

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

Subcatchment 13S: PRE - 51



Summary for Subcatchment 14S: POST - 51

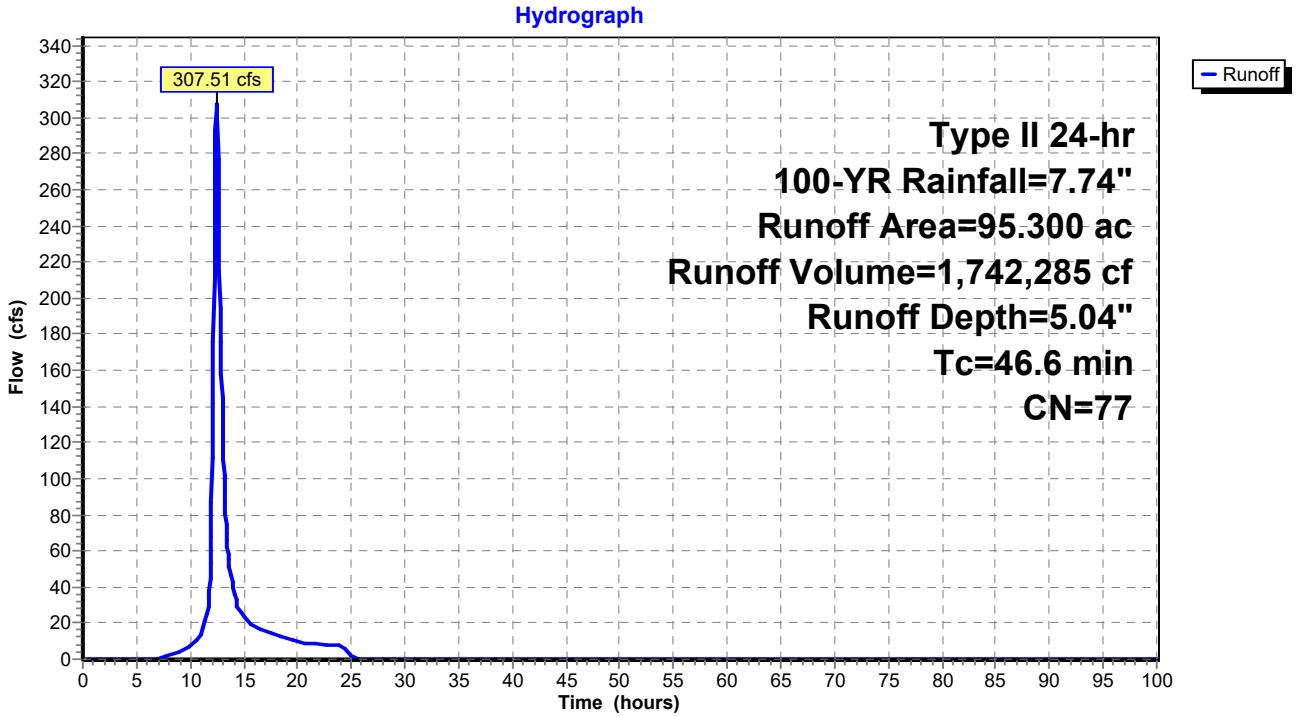
Runoff = 307.51 cfs @ 12.44 hrs, Volume= 1,742,285 cf, Depth= 5.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	95.300	77	
	95.300		100.00% Pervious Area

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

Subcatchment 14S: POST - 51



Summary for Subcatchment 15S: PRE - 52

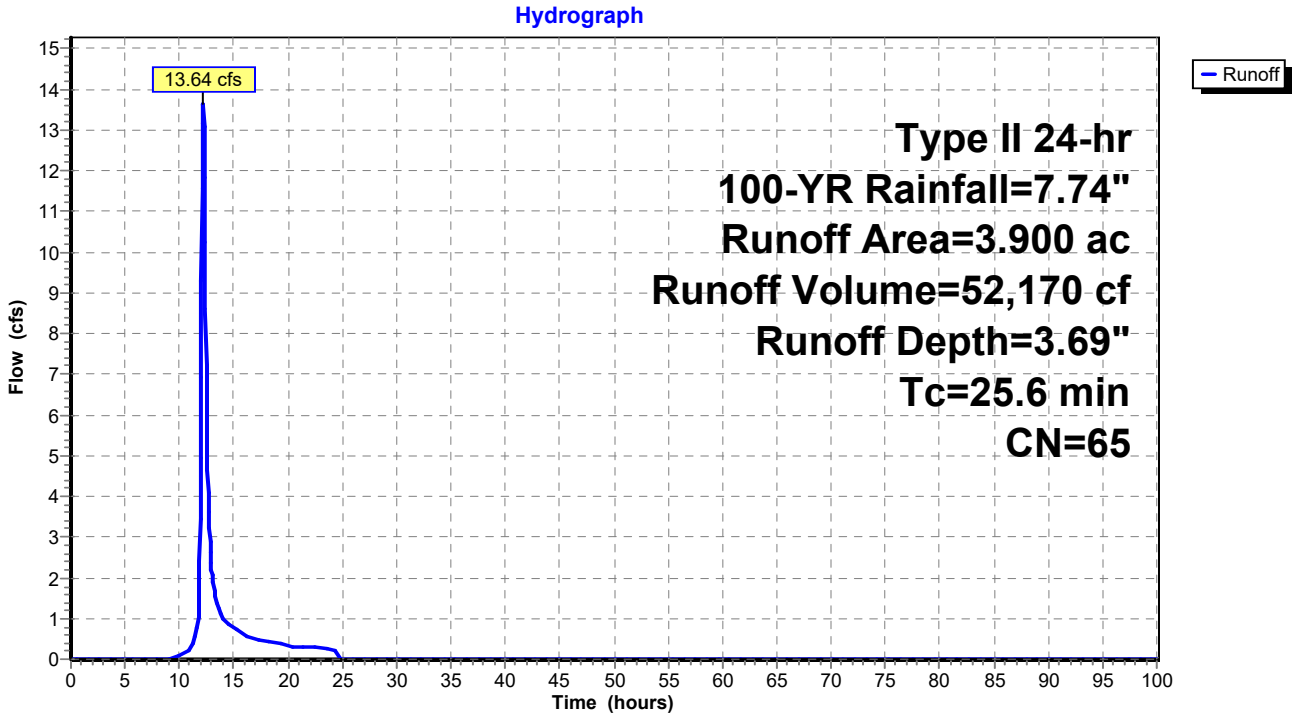
Runoff = 13.64 cfs @ 12.20 hrs, Volume= 52,170 cf, Depth= 3.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	3.900	65	
	3.900		100.00% Pervious Area

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

Subcatchment 15S: PRE - 52



Summary for Subcatchment 16S: POST - 52

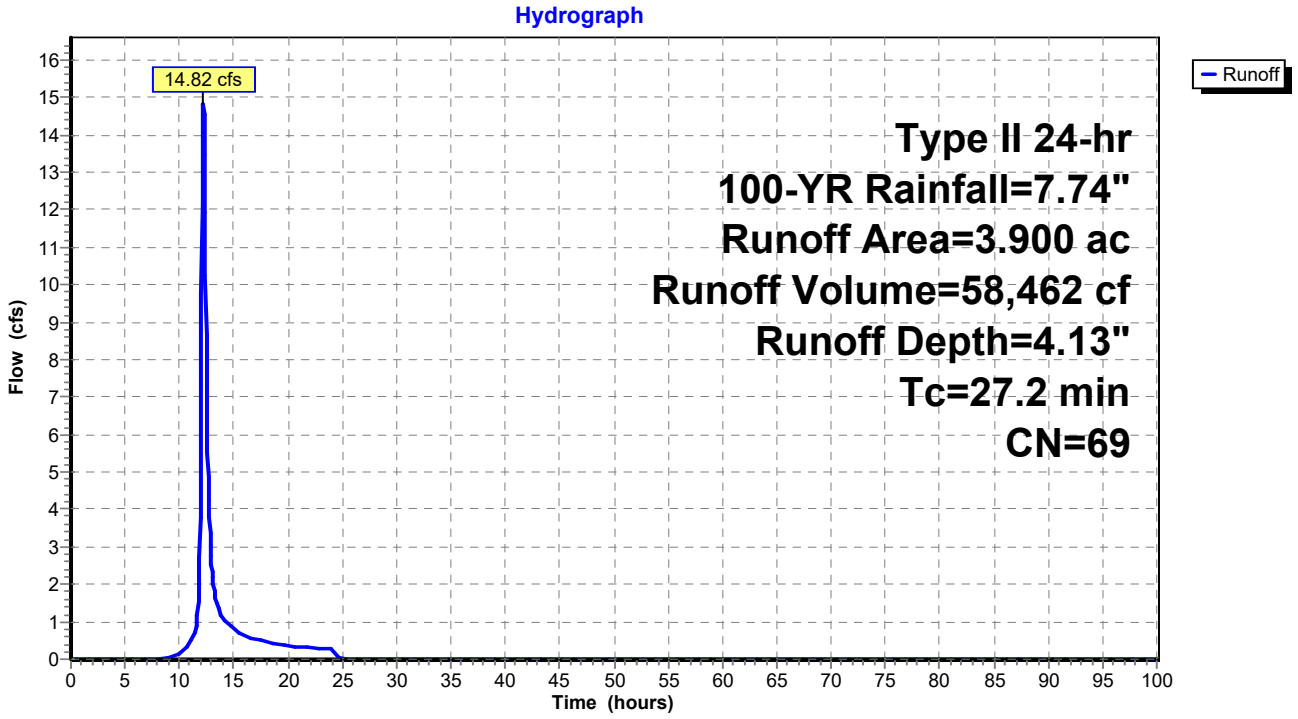
Runoff = 14.82 cfs @ 12.21 hrs, Volume= 58,462 cf, Depth= 4.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	3.900	69	
	3.900		100.00% Pervious Area

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

Subcatchment 16S: POST - 52



Summary for Subcatchment 17S: PRE - 53

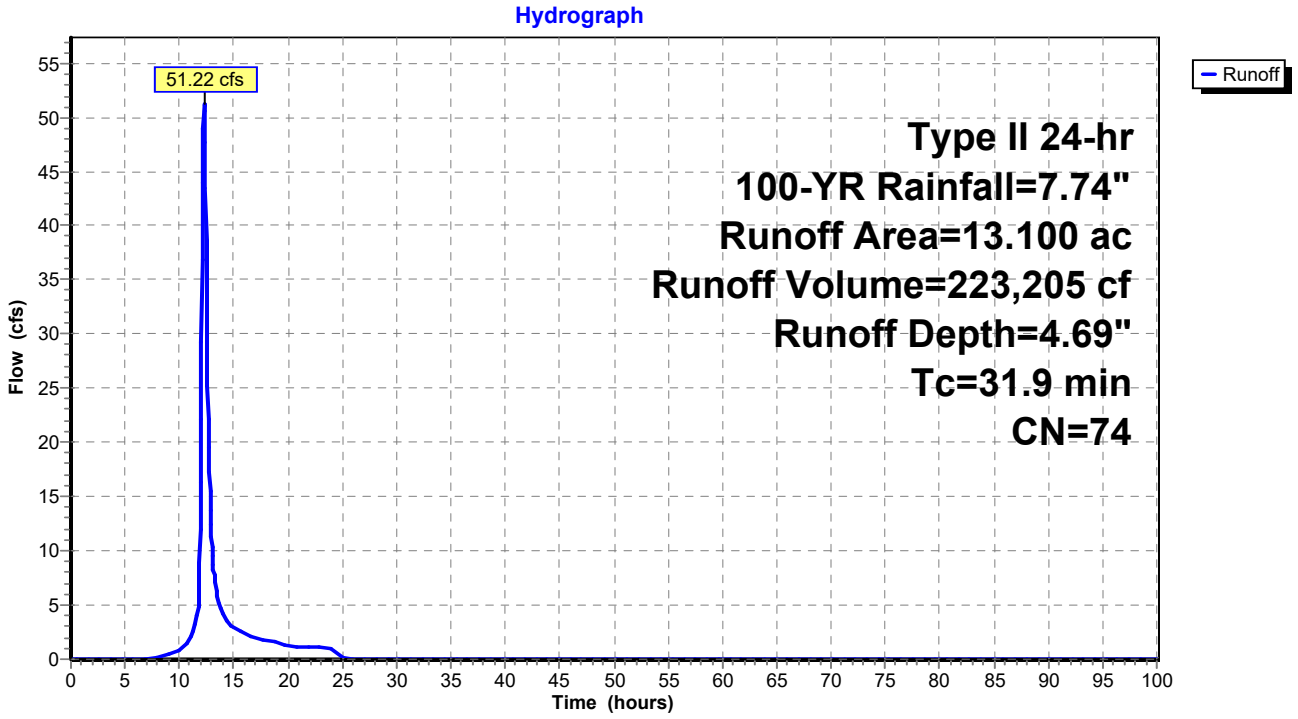
Runoff = 51.22 cfs @ 12.26 hrs, Volume= 223,205 cf, Depth= 4.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	13.100	74	
	13.100		100.00% Pervious Area

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

Subcatchment 17S: PRE - 53



Summary for Subcatchment 18S: POST - 53

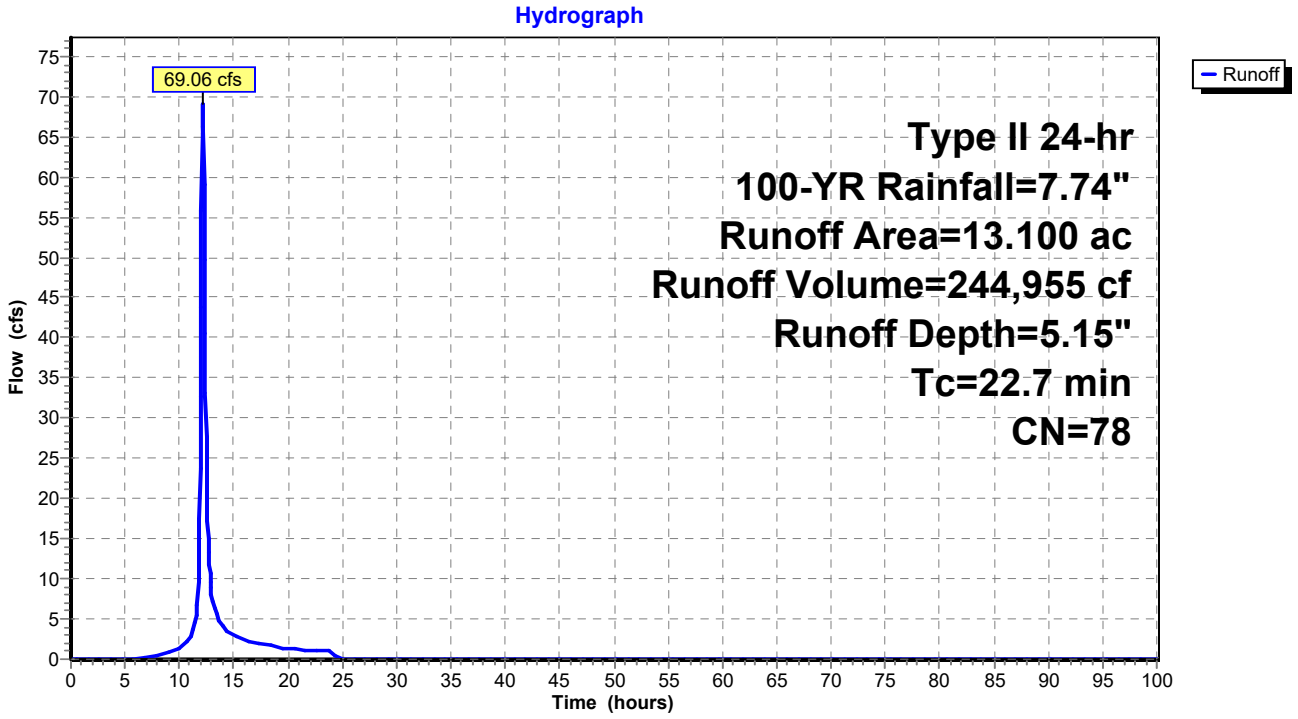
Runoff = 69.06 cfs @ 12.15 hrs, Volume= 244,955 cf, Depth= 5.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	13.100	78	
	13.100		100.00% Pervious Area

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

Subcatchment 18S: POST - 53



Summary for Subcatchment 19S: PRE - 54

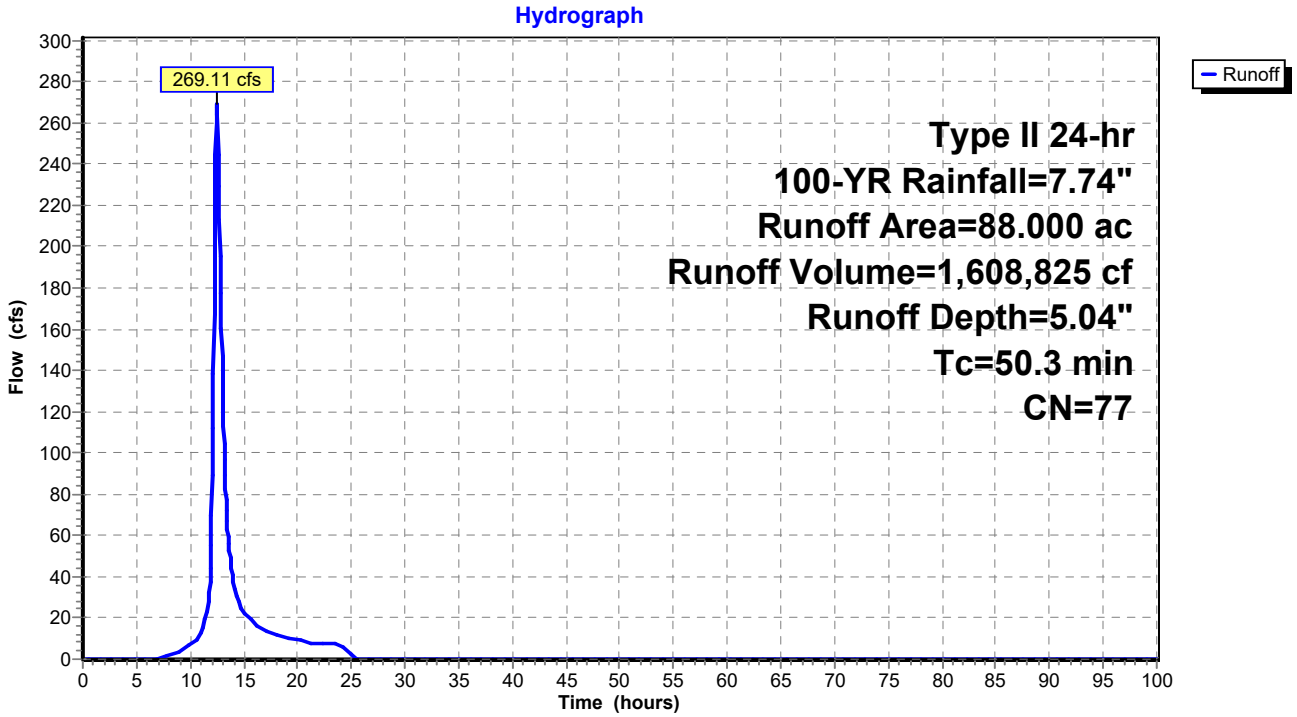
Runoff = 269.11 cfs @ 12.49 hrs, Volume= 1,608,825 cf, Depth= 5.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	88.000	77	
	88.000		100.00% Pervious Area

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

Subcatchment 19S: PRE - 54



Summary for Subcatchment 20S: POST - 54

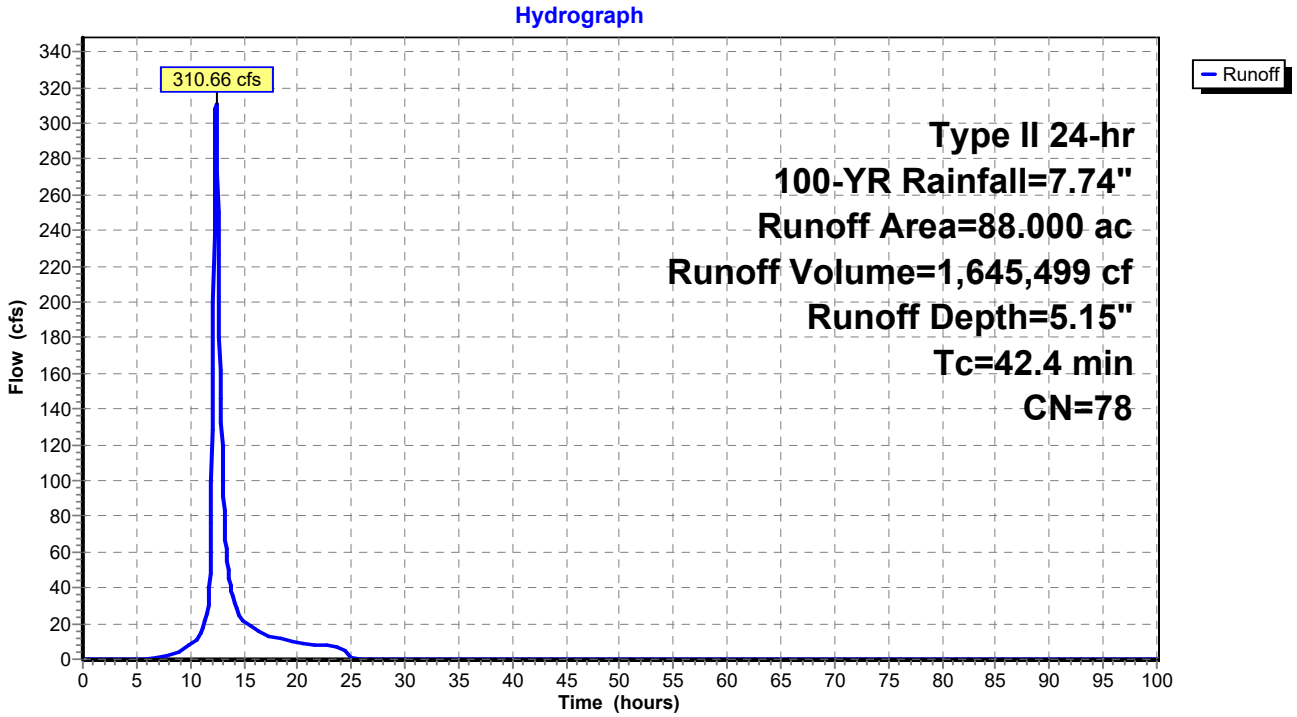
Runoff = 310.66 cfs @ 12.39 hrs, Volume= 1,645,499 cf, Depth= 5.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	88.000	78	
	88.000		100.00% Pervious Area

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

Subcatchment 20S: POST - 54



Summary for Subcatchment 21S: PRE - 55

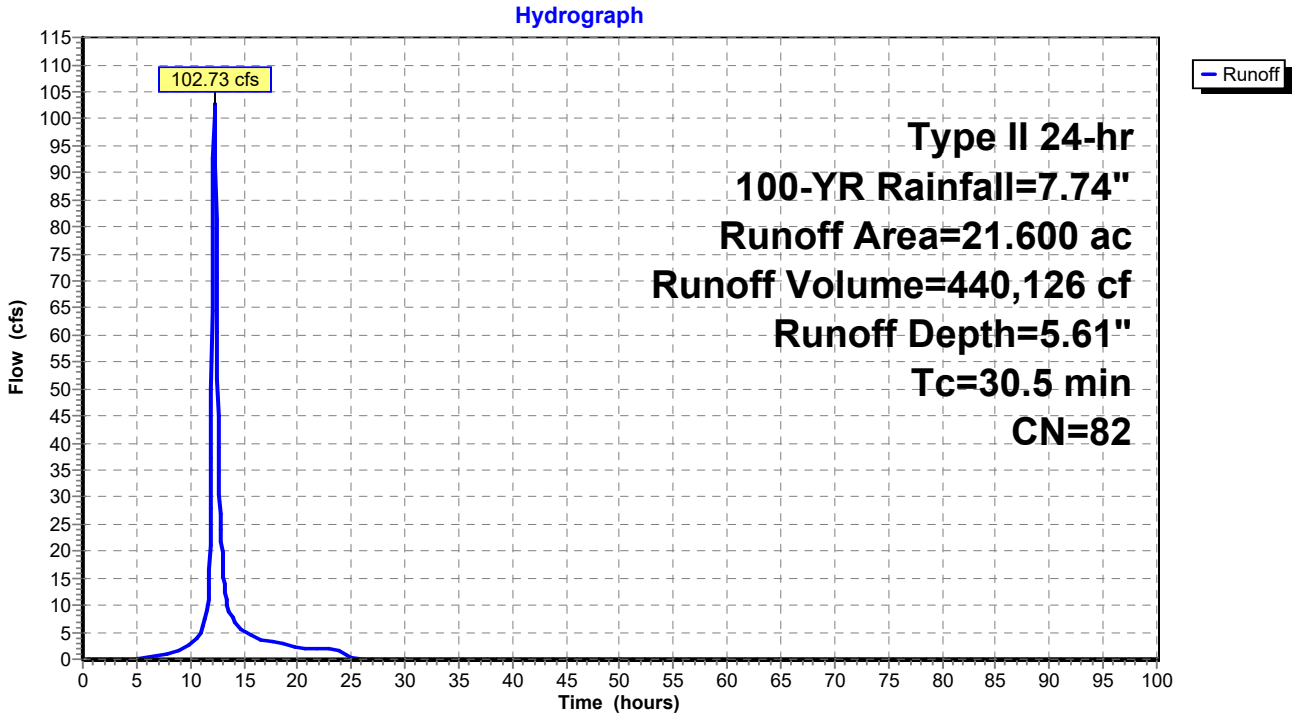
Runoff = 102.73 cfs @ 12.24 hrs, Volume= 440,126 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 21S: PRE - 55



Summary for Subcatchment 22S: POST - 55

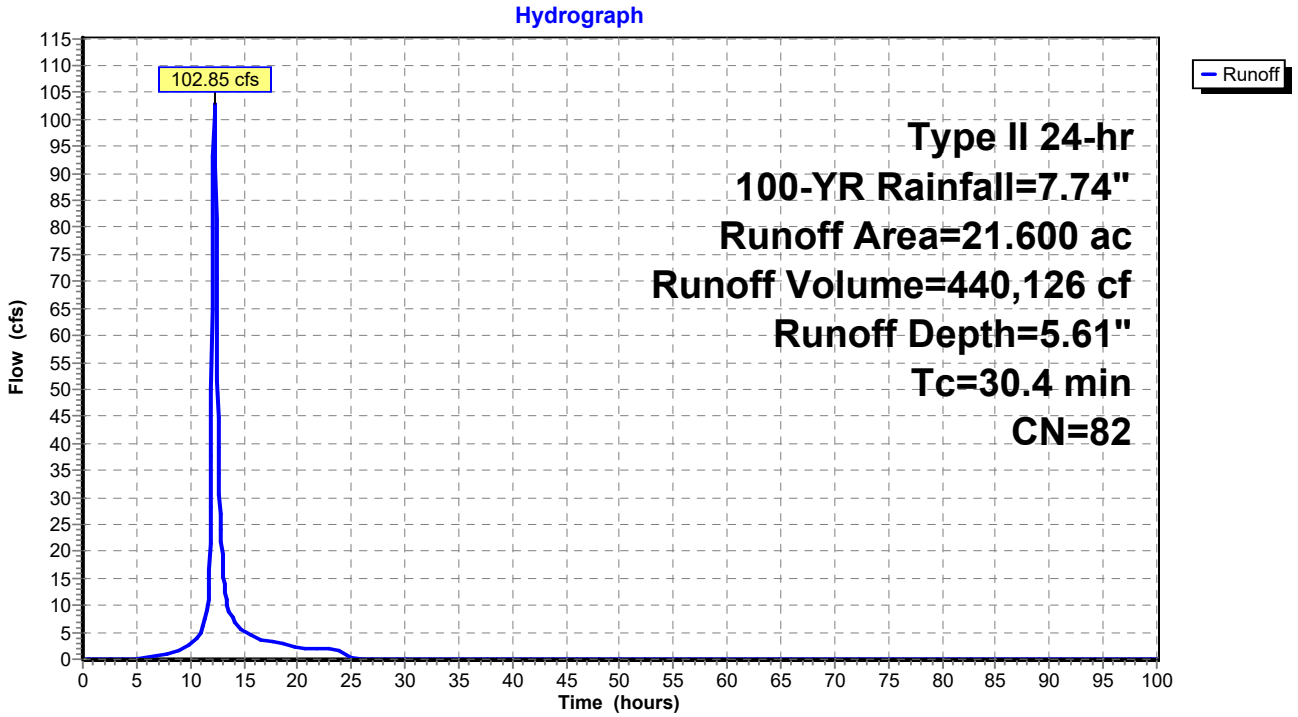
Runoff = 102.85 cfs @ 12.24 hrs, Volume= 440,126 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	21.600	82	
	21.600		100.00% Pervious Area

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

Subcatchment 22S: POST - 55



Summary for Subcatchment 23S: PRE - 56

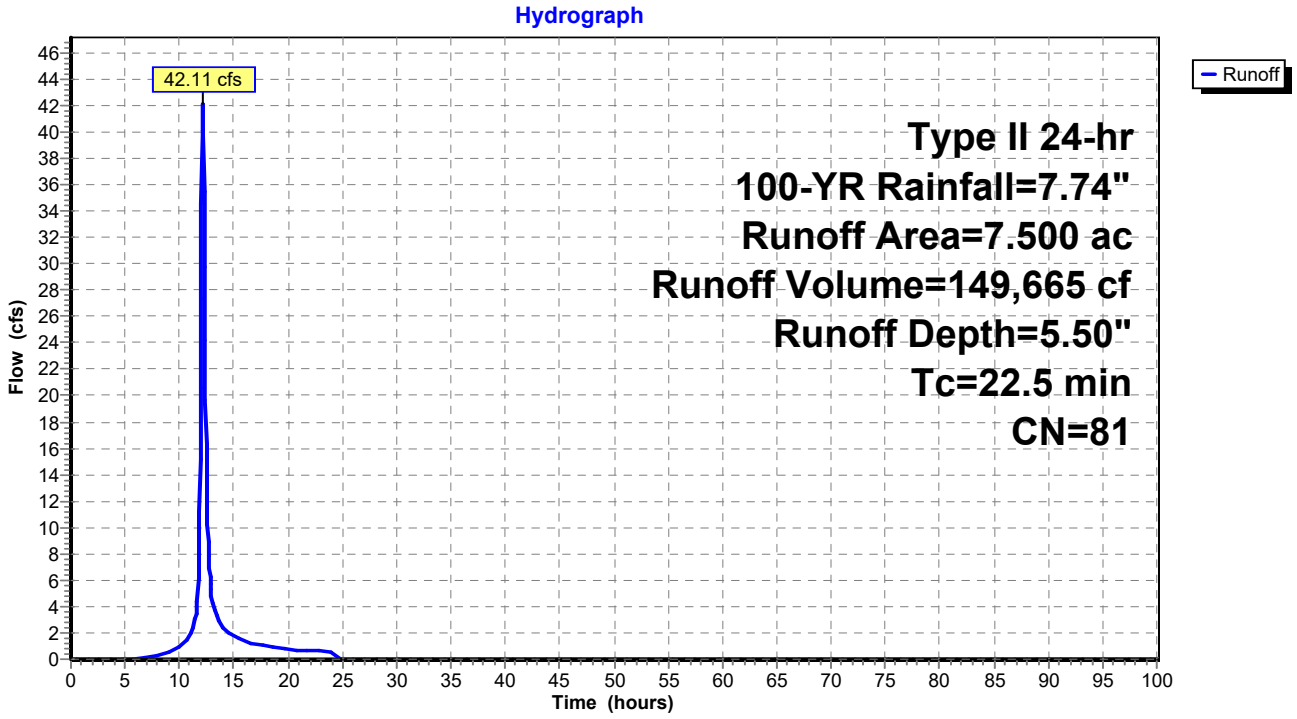
Runoff = 42.11 cfs @ 12.15 hrs, Volume= 149,665 cf, Depth= 5.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	7.500	81	
	7.500		100.00% Pervious Area

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

Subcatchment 23S: PRE - 56



Summary for Subcatchment 24S: POST - 56

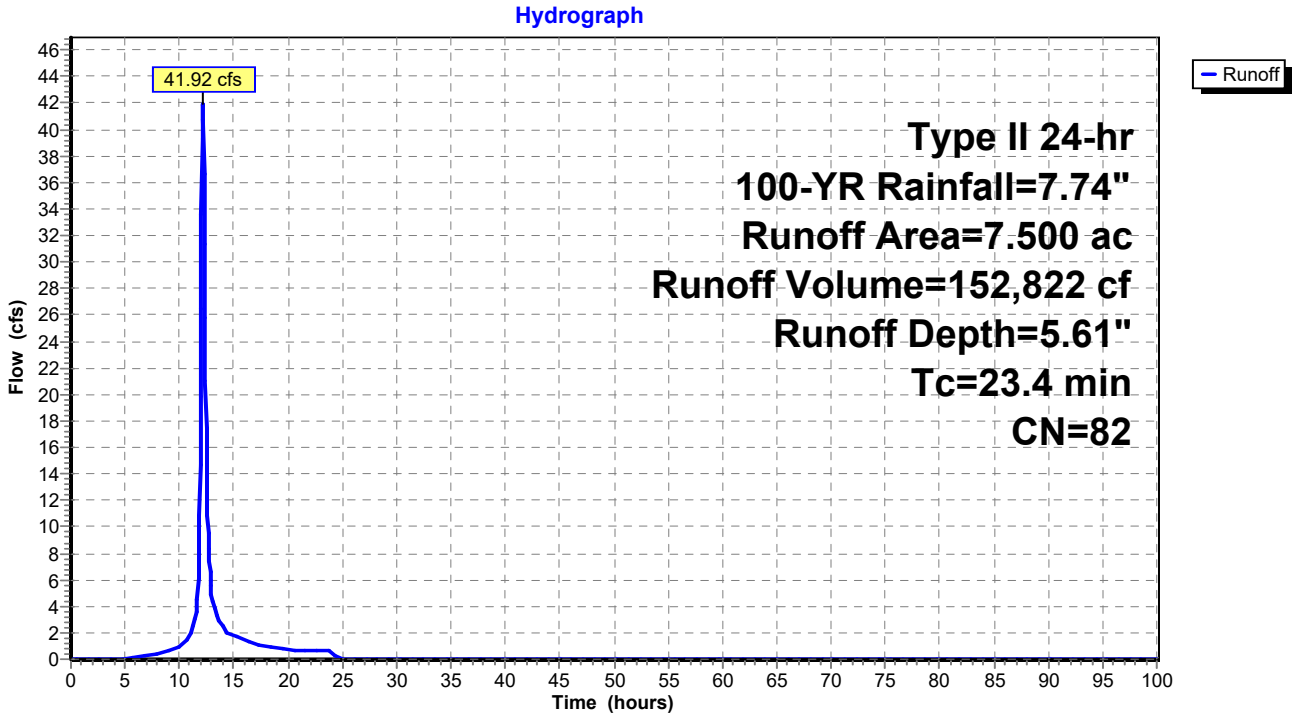
Runoff = 41.92 cfs @ 12.16 hrs, Volume= 152,822 cf, Depth= 5.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	7.500	82	
	7.500		100.00% Pervious Area

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

Subcatchment 24S: POST - 56



Summary for Subcatchment 25S: PRE - 57

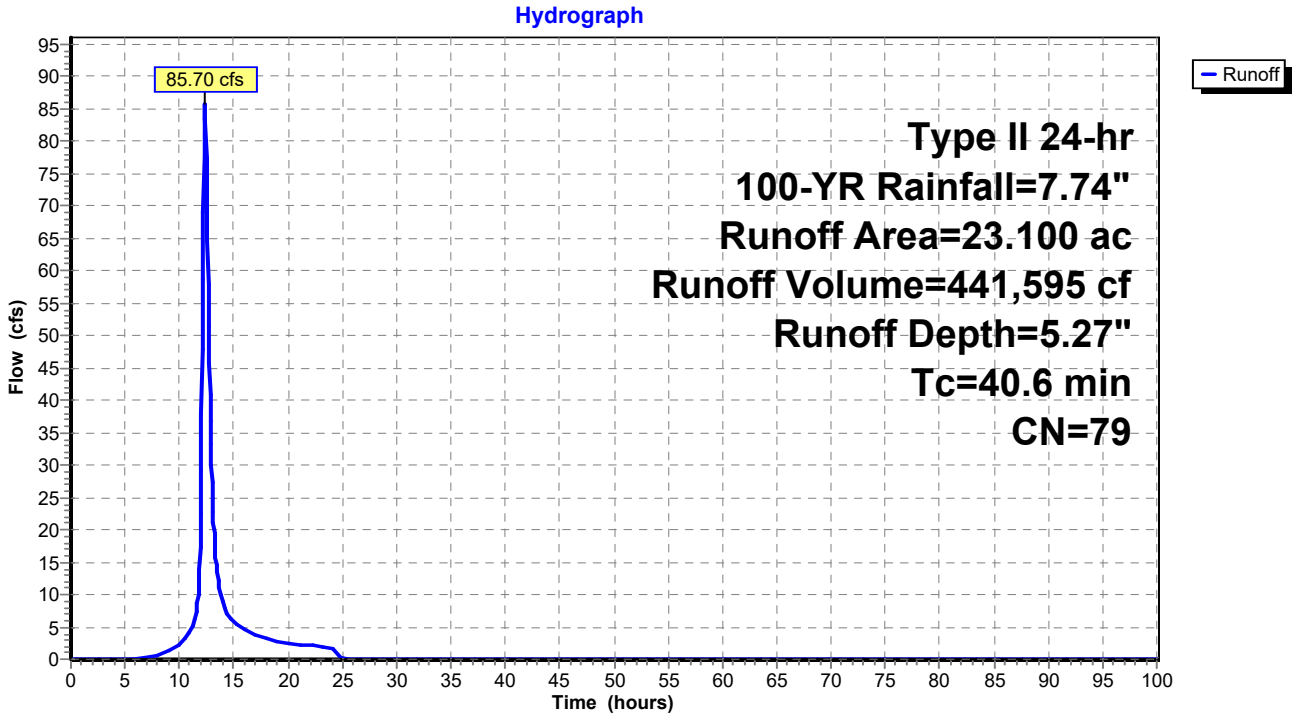
Runoff = 85.70 cfs @ 12.37 hrs, Volume= 441,595 cf, Depth= 5.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 25S: PRE - 57



Summary for Subcatchment 26S: POST - 57

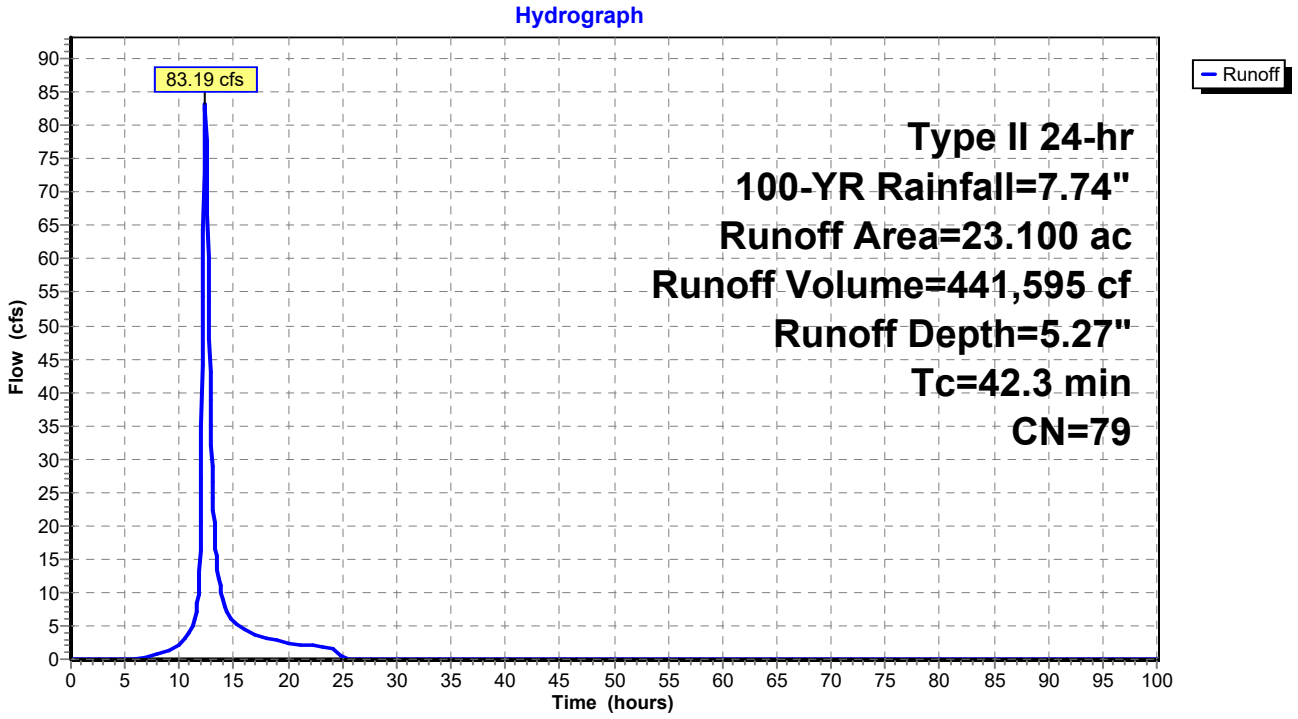
Runoff = 83.19 cfs @ 12.39 hrs, Volume= 441,595 cf, Depth= 5.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	23.100	79	
	23.100		100.00% Pervious Area

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

Subcatchment 26S: POST - 57



Summary for Subcatchment 27S: PRE - 58

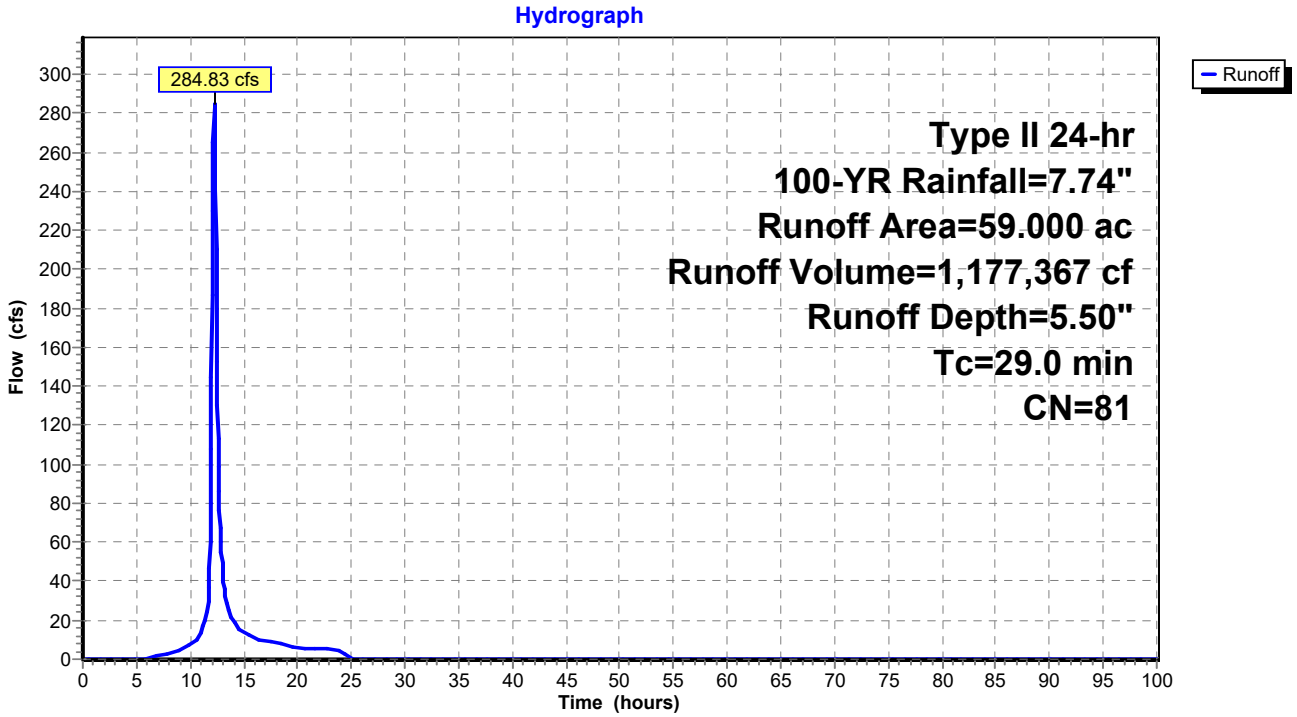
Runoff = 284.83 cfs @ 12.22 hrs, Volume= 1,177,367 cf, Depth= 5.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 27S: PRE - 58



Summary for Subcatchment 28S: POST - 58

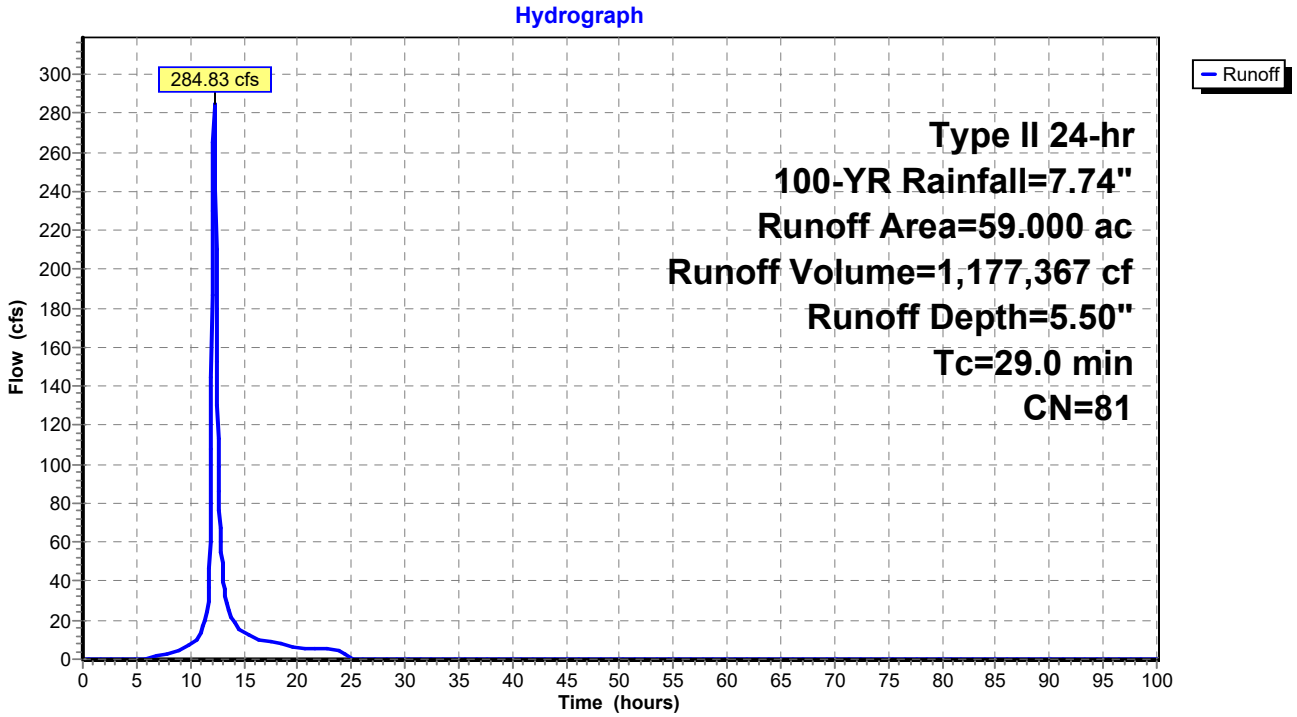
Runoff = 284.83 cfs @ 12.22 hrs, Volume= 1,177,367 cf, Depth= 5.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	59.000	81	
	59.000		100.00% Pervious Area

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

Subcatchment 28S: POST - 58



Summary for Subcatchment 29S: PRE - 59

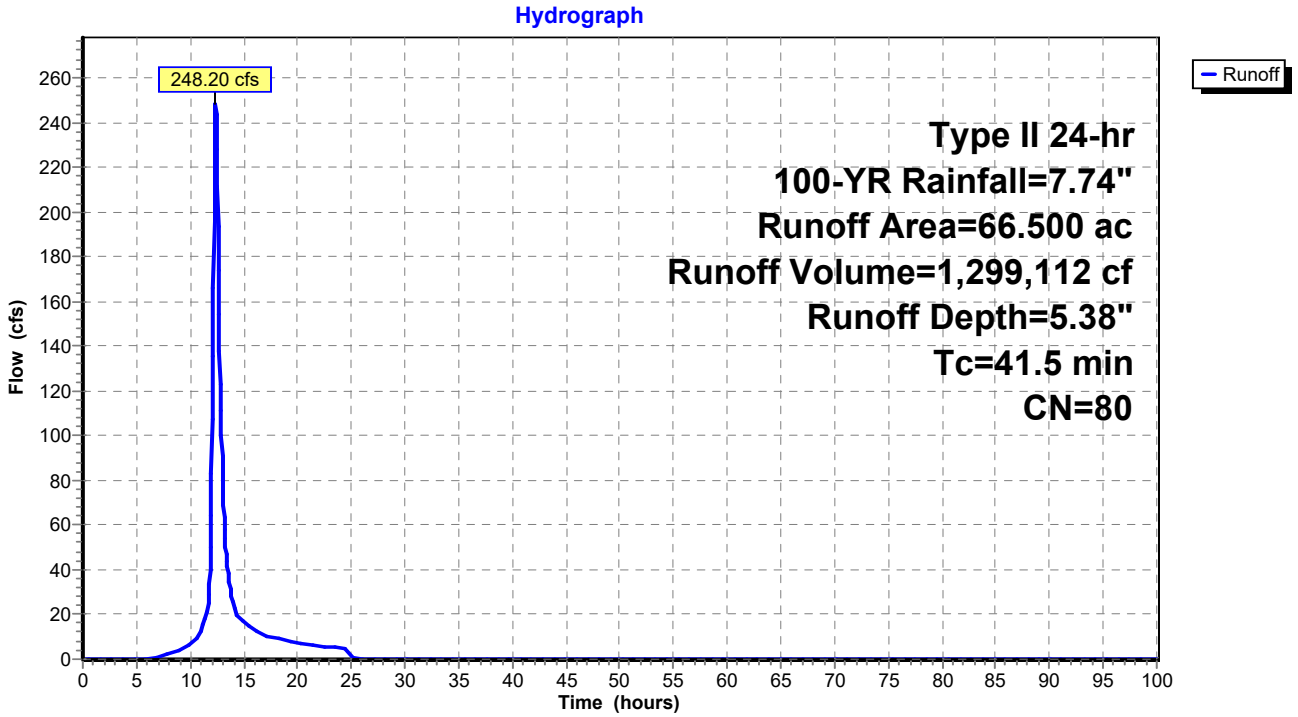
Runoff = 248.20 cfs @ 12.38 hrs, Volume= 1,299,112 cf, Depth= 5.38"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	66.500	80	
	66.500		100.00% Pervious Area

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

Subcatchment 29S: PRE - 59



Summary for Subcatchment 30S: POST - 59

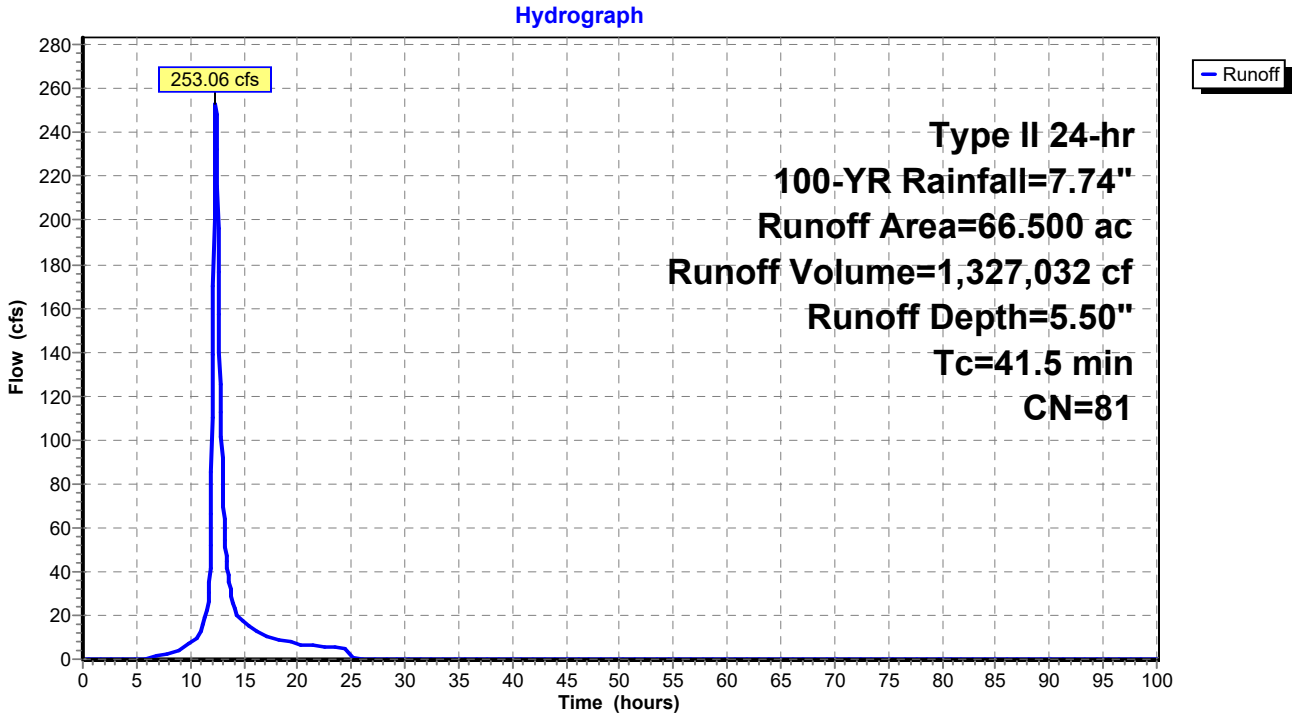
Runoff = 253.06 cfs @ 12.38 hrs, Volume= 1,327,032 cf, Depth= 5.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-100.00 hrs, dt= 0.05 hrs
Type II 24-hr 100-YR Rainfall=7.74"

	Area (ac)	CN	Description
*	66.500	81	
	66.500		100.00% Pervious Area

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

Subcatchment 30S: POST - 59



J. Dust Control Plan

MOTT MACDONALD

South Ripley Solar Project
Dust Control Plan

May 2021

ConnectGen

ConnectGen
1001 McKinney, Suite 700
Houston, TX 77002

South Ripley Solar Project
Dust Control Plan

May 2021

Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
1	05/17/2021	J. Miner	M. Thornton	R. Alizadeh	Initial Draft

Document reference:

Information class: Standard

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

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Acronyms

Acronym	Definition
AC	alternating current
BESS	Battery Energy Storage System
BMP	best management practices
Company	ConnectGen Chautauqua County, LLC
DC	direct current
DCP	Dust Control Plan
DPS	Department of Public Service
Facility	South Ripley Solar Facility
gal	gallon
LOD	Limit-of-Disturbance
MW	Megawatt
Owner	ConnectGen Chautauqua County, LLC
Project	South Ripley Solar Project
mph	miles per hour
PV	photovoltaic
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York Department of Transportation
POI	Point of Interconnection
The Blue Book	New York State Standards and Specifications for Erosion Control

Definitions

Commencement of construction: the initial disturbance of soils associated with clearing, grading, or excavation activities, or other construction activities that disturb or expose soils such as demolition or stockpiling of fill material.

Final stabilization: all soil disturbance activities at the site have ceased, and uniform perennial vegetative cover with a density of 80 percent over the entire pervious surface has been established or equivalent stabilization measures such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete, or pavement.

Construction Contractor: responsible contractor for the completion of the project under the contract terms and conditions. The Construction Contractor can utilise and manage subcontractors or hire people for specific parts of the work to complete the work.

Project Area: area being evaluated to host the Project, also considered the Project's Limit-of-Disturbance (LOD).

Temporarily Ceased: an existing disturbed area that will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization: when exposed soil has been covered with materials to prevent the exposed soil from eroding as set forth in the NYS Standards and Specifications for Erosion and

Sediment Control. Examples of materials include mulch, seed and mulch, and rolled erosion control products.

Dust Control Plan

1 Project Description and Regulations

The South Ripley Solar Project (Facility) is a proposed 270 megawatt (MWac) photovoltaic (PV) solar energy generating project located within the Town of Ripley, Chautauqua County, New York.

This Dust Control Plan (DCP) has been prepared for the Project. This DCP has been prepared in accordance with the New York State Standards and Specifications for Erosion and Sediment Control ("The Blue Book"), prepared by the New York State Department of Environmental Conservation (NYSDEC) and dated November 2016. The purpose of this DCP is to identify reasonable control measures that would be used to minimize the generation of fugitive dust during construction activities associated with the Project, mitigating potential off-site damage, health hazards, and traffic safety concerns.

This DCP will be incorporated into Project design and construction phases. It will be the responsibility of the Project's construction contractor, supervisory personnel and the Qualified Inspector, to identify all activities generating fugitive dust that require the implementation of fugitive dust control measures. Should fugitive dust not pose a problem, fugitive dust control measures will not be implemented.

ALL PERSONNEL ENGAGED IN THE SOUTH RIPLEY SOLAR PROJECT CONSTRUCTION ACTIVITIES SHALL ABIDE BY THIS PLAN.

The DCP will be kept at the Project site and made available for review by applicable regulatory agencies, the Engineer, and contractors. Regulatory agencies that have jurisdiction over the Project site may elect to review this DCP and if necessary, may notify the Owner that modifications to the DCP or site conditions are required.

2 Project Contacts

The party responsible for implementing this Plan will ensure that site work is done in accordance with the dust mitigation guidelines presented in this Plan to the greatest extent possible. They will also ensure the availability of resources needed to comply with this Plan, train on-site personnel to comply with the guidelines presented in this Plan, and maintain records associated with this Plan. Either the Owner or Contractor may act as the responsible party.

OWNER CONTACT INFORMATION – *Responsible for Implementing Plan* ☐	
Company: CONNECTGEN CHAUTAUQUA COUNTY, LLC	**Address:** 1001 McKinney, Suite 700 Houston, TX 77002
Contact Name:	**Contact Phone:**
Title:	**Contact Email:**
CONSTRUCTION CONTRACTOR CONTACT INFORMATION – *Responsible for Implementing Plan* ☐	
Company:	**Address:**
Contact Name:	**Contact Phone:**
Title:	**Contact Email:**
DUST CONTROL PLAN PREPARER	

Company: Mott MacDonald	**Address:** 5295 South Commerce Way Suite 500, Murray, UT 84107
Contact Name: Douglas Gibbons, CEP	**Contact Phone:** (801) 704-0301
Title: Principal Project Manager	**Contact Email:** douglas.gibbons@mottmac.com
WATER SUPPLY CONTRACTOR – *Applicable: Y* ☐ *N* ☐	
Company:	**Address:**
Contact Name:	**Contact Phone:**
Title:	**Contact Email:**

3 Project Description and Location

Construction activities at the site will include tree clearing and grubbing, installation of access roads, preparation of temporary laydown areas, construction of the PV foundations, erection of the solar arrays, and installation of support infrastructure, such as underground/overhead transmission lines, a point of intersection substation, and a BESS facility.

Prior to construction, the Project area consisted primarily of undisturbed forest, with smaller areas used for agricultural crops. Vegetated areas of the site included mixed forest and crops, such as alfalfa, oats, and corn, while non-vegetated areas included existing asphalt- and gravel-paved roads, residences, and buildings used for agricultural operations. The prevailing wind direction at the site is from the west to northwest.

LATITUDE & LONGITUDE POINTS (DECIMAL DEGREES) – PROVIDED FOR THE BESS FACILITY SITE	
Latitude:	42.197326
Longitude:	-79.760696

4 Fugitive Dust Sources

Fugitive dust could be generated from construction activities associated with equipment installation that are part of the Project. The following construction activities could potentially be a source of fugitive dust:

- Vehicle traffic on access roads
- Traffic and related construction activity at contractor yards, staging areas, and the construction workspace
- Clearing, grubbing, and grading activities
- Topsoil removal and stockpiling
- Trenching, excavation and backfilling activities
- Other earth moving by mechanical processes

Refer to the Facility Civil/ESC Plans and Details provided with the SWPPP for the clearing, grubbing, and grading areas, as well as temporary and permanent access roads.

5 Dust Generating Activity Schedules

Where possible, earth disturbance activities will be phase to minimize exposed soils at the site. In general, Project construction activities will adhere to the following schedule:

DUST GENERATING ACTIVITY SCHEDULE

ACTIVITY	START DATE	END DATE
Overall Project		
Install BMPs		
Tree Clearing		
Grading of Roads		
Grading of POI Substation		
Grading of BESS Facility		
Construction Traffic		
Reclamation / Restoration		

6 Fugitive Dust Control Measures

The following Best Management Practices (BMPs) will be implemented to minimize soil loss from the construction site area via wind. Prior to grading and during clearing and grubbing, the areas of vegetation preservation, buffers and other areas of no-disturbance should be flagged, staked or otherwise delineated. The BMPs utilized for dust control may also serve to prevent erosion via stormwater.

FUGITIVE DUST CONTROL BMPs

Potential BMPS	Construction Phase or Activity					Application Notes
	Non-Driving Areas			Driving Areas		
	Clearing & Grading	Site Grading	Stockpiling	Access Roads	Bulk Transport	
Construction Phasing	T	T	T	T	T	Minimize soil disturbance, as feasible, per phase. Stake/flag areas that are to be left undisturbed.
Traffic Control / Designated Vehicle Routes				T	T	Designate specific areas for vehicle traffic and implement speed limits to reduce dust generation.
Water Sprinkling	T	T	T	T	T	Spray areas with high potential for dust transport with water.
Mulch	T	T	T			Apply at two tons/acre. Disc

						anchor to soil. Weed free mulch should be used.
Erosion Control Blanket	T	T	T			Install per manufacturer recommendations.
Tarp/Plastic Sheeting			T			Install tarps or similar plastic sheeting over stockpiles to prevent wind erosion. Covers should be secured and anchored in such a way to prevent removal by wind action.
Road Barriers – Stabilized Aggregate Surface				T	T	--
Street Sweeping				T	T	Remove visible soil from paved roadways whenever observed.
Cover Trucks					T	Cover truck hoppers with retractable screen to prevent blowing of soils.
Temporary Vegetation*	T	T		T		Prepare exposed soil prior to seeding. Broadcast and rake seed into soil prior to mulch or blanket.
Permanent Vegetation*	P	P		P		

Notes:
* For temporary and permanent vegetation of the site, the Contractor shall follow seed mixes and application rates provided on in Table 4.4 of the New York State Standards and Specifications.
T = Temporary, P = Permanent

6.1 BMPs for Clearing, Grading and Soil Moving

The following practices should be implemented to minimize dust generation during clearing, grading and soil moving activities:

- Earthwork should be phased to minimize the amount of soil exposed at any given time.
- Earthwork should be limited during periods of high winds (15 mph or greater).
- Exposed soils should be sprinkled with water during clearing and grading activities whenever visible dust is being generated.
- If visible dust is a consistent concern in specific areas, more robust controls (such as application of soil adhesives) may be used. Please note that written approval from NYSDEC is required for use of soil adhesives/polymers.

- Stockpiles should be covered to prevent wind erosion.
- Areas in which earthwork has temporarily ceased shall be stabilized with mulch, erosion control blanket, or temporary vegetation to prevent dust generation.

6.2 BMPs for Dirt Roads and Vehicle Traffic

The following practices should be implemented to minimize dust generated by vehicle traffic on dirt roads and in construction areas:

On-Site Construction Traffic:

- When traveling in construction areas of exposed soil, vehicle traffic should be limited to designated routes to the greatest extent possible and maintain speeds of 10 mph or less.
- Haul routes or other exposed areas disturbed by vehicle traffic shall be sprinkled with water when visible dust is generated.

  If visible dust is a recurring issue and cannot be controlled with water alone, more robust controls (such as application of soil adhesives or geotextile barriers) may be used.
- Please note that written approval from NYSDEC is required for use of soil adhesives/polymers. See Section 6.4 for additional information.
- Security measures should be implemented to prohibit unauthorized vehicles from entering the site during non-working hours.
- Temporary haul routes that are no longer needed shall be permanently stabilized with vegetation.

Construction Traffic on Public Roads:

- Measures shall be taken to prevent transport of dirt and dust to public roadways to the greatest extent possible. These measures may include dry brushing of trucks, covering of truck beds, use of construction entrances, and street sweeping.
- Vehicles shall maintain posted speed limits on all public roads. If visible dust is generated on public roads while traveling at posted speeds, lower speeds shall be considered.
- Dirt and gravel roadways shall be sprinkled with water whenever visible dust is being generated.
- If visible dust is a recurring issue on public roads and cannot be controlled with water alone, more robust controls (such as application of soil adhesives or geotextile barriers) may be used. Please note that written approval from NYSDEC and approval from the local government agency maintaining the roadways are required for use of soil adhesives/polymers. See Section 6.4 for additional information.

6.3 Water Supply

Water used for dust control will be supplied by water trucks. When sprinkling water for dust control, the person applying the water must ensure that most of the water is infiltrating and there is no runoff causing additional erosion or sedimentation.

6.4 Dust Suppressant Products

The use of dust suppressant products is not anticipated on this site. If dust suppressants are used over the course of construction, the project team will contact and work with NYSDEC and the Department of Public Service (DPS) to develop the appropriate application method.

The following table should be completed to record these decisions. A list of dust palliatives approved by NYSDEC for use on New York State Department of Transportation (NYSDOT) projects is available at the following site for reference:

- https://www.dot.ny.gov/divisions/engineering/technical-services/geotechnical-engineering-bureau/dust-palliatives

Because the Project is not a NYSDOT project, the Contractor shall still receive approval from NYSDEC prior to use. Additionally, any use of suppressants on public roadways must be approved by the local government maintaining the roadway prior to application. Written approvals for use of polymers will be saved in Attachment B.

DUST SUPPRESSANT PRODUCTS

Product Name	Application Area(s) and Date(s)	Application Rate (gal/acre)*	Written Approval from NYSDEC/DPS (Y/N)

Notes:
* Gallons of undiluted material.

6.5 Timeframe for BMP Installation and Maintenance

Unlike with stormwater controls, maintenance of dust control BMPs is most critical in dry weather. The application of BMPs should be performed at a frequency to be determined by the responsible party, subject to moisture levels from rain events.

Visible dust clouds should be addressed as soon as practicable with temporary BMPs, such as spraying with water. Areas that routinely generate visible dust should be addressed with temporary controls until the area can be permanently stabilized.

In dry conditions, when visible dust is generated through wind action alone, temporary dust control BMPs should be initiated immediately (within one working day) after construction activity disturbing soil is anticipated to temporarily cease.

6.6 BMPs During Inactive Operation

Prior to the end of the work day, weekends, and holidays in dry conditions (when visible dust is generated through wind action alone), water should be applied to disturbed surface area to form a visible crust. If soil type is not conducive to forming a “crust,” alternative BMPs should be

implemented on exposed areas. Stockpiles should be covered with tarps or other covers to prevent wind erosion.

7 Final Stabilization

Final stabilization is achieved for dust control for the project when permanent erosion control BMPs (vegetation, permanent road cover, final hardscapes) are applied and functioning on the site, and visible dust is no longer being generated. The permanent erosion control BMPs may be a combination of vegetative and non-vegetative cover types.

8 Responsibility and Authority

The Construction Contractor and Qualified Inspector will share the authority to determine if/when water needs to be reapplied for dust control and to determine if/when additional mitigation will be needed. The Construction Contractor will furnish, operate and maintain equipment and employ methods to minimize the migration of dust beyond the boundaries of the work site. The Construction Contractor also will provide a copy of this DCP to all applicable site subcontractors. The Construction Contractor will be responsible for implementing the DCP. The Qualified Inspector shall determine when it is necessary to apply water to control fugitive dust during construction activities. Additionally, the Qualified Inspector has the authority over the Construction Contractor to stop work on any activity that does not comply with the dust control measures outlined in this plan.

9 Record Keeping and Monitoring

The Construction Contractor will document in their daily report the actual application or implementation of the control measures delineated in the DCP.

10 References

New York State Department of Environmental Conservation, 2016. “New York Standards and Specifications for Erosion and Sediment Control.” 2016a

Appendices

A. Regulatory Documentation

(to be maintained throughout construction)

K. Five-Acre Disturbance Requests

(approved requests to be retained in this Attachment)

HC 209
(03/14)

(•) English

( ) Metric

NOTICE TO DISTURB GREATER THAN 5 ACRES OF SOIL

SPDES General Permit for Stormwater Discharges from Construction Activity

Part II.C.3 of the SPDES General Permit for Stormwater Discharges from Construction Activity, requires written authorization from the New York State Department of Environmental Conservation (NYSDEC) prior to disturbing more than 5 AC of soil. Executive management at the New York State Department of Transportation (NYSDOT) and NYSDEC have mutually agreed that prior authorization is not required for NYSDOT contracts, provided adequate control measures are implemented and site inspections are conducted in accordance with the SPDES General Permit. The NYSDOT hereby notifies NYSDEC that more than 5 AC of soil will be disturbed at this site.

A Qualified Inspector will conduct at least 2 site inspections every 7 calendar days whenever more than 5 AC of soil has been disturbed. Inspections during this period will be separated by a minimum of 2 full calendar days.

This notification will be filed with the Stormwater Pollution Prevention Plan (SWPPP).

Contract No.: _____ PIN: _____

Description: _____

Town, Village, City: _____

County: _____

Approximate date soil disturbance will exceed 5 AC : _____

Total soil disturbance: _____

Signature _____

Name: _____

Title: _____

Phone: _____

E-Mail: _____

Date Submitted to NYSDEC: _____

Make Form Read-Only (Cannot be undone)

L. NYSDEC Notice of Termination (NOT)

(to be included once filed)

New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505
(NOTE: Submit completed form to address above)

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity

Please indicate your permit identification number: NYR ___ ___ ___ ___ ___ ___

I. Owner or Operator Information

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person: | 4a.Telephone:

4b. Contact Person E-Mail:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

III. Reason for Termination

9a. □ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. □ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ___ ___ ___ ___ ___ ___
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. □ Other (Explain on Page 2)

IV. Final Site Information:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? □ yes □ no (If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? □ yes □ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

_____

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? □ yes □ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

□ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.

□ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).

□ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.

□ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____ (acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? □ yes □ no

(If Yes, complete section VI - "MS4 Acceptance" statement

V. Additional Information/Explanation:

(Use this section to answer questions 9c. and 10b., if applicable)

VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:	
Title/Position:	
Signature:	Date:

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the SPDES General Permit for Construction Activity - continued

VII. Qualified Inspector Certification - Final Stabilization:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:	
Title/Position:	
Signature:	Date:

VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:	
Title/Position:	
Signature:	Date:

IX. Owner or Operator Certification

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:	
Title/Position:	
Signature:	Date:

(NYS DEC Notice of Termination - January 2015)