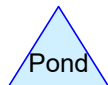
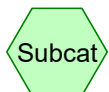


TENN- PIN SOUTH POND 06-10-2022



Routing Diagram for PRE 728 DUE WEST - WEST POND
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PRE 728 DUE WEST - WEST POND

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Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.400	98	Water Surface, HSG D (1S)
0.400	98	TOTAL AREA

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Page 3

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.000	HSG C	
0.400	HSG D	1S
0.000	Other	
0.400		TOTAL AREA

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Page 4

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.400	0.000	0.400	Water Surface	1S
0.000	0.000	0.000	0.400	0.000	0.400	TOTAL AREA	

PRE 728 DUE WEST - WEST POND

Type II 24-hr 2 YR Rainfall=3.39"

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Page 5

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>2.92"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=2.00 cfs 0.097 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.097 af Average Runoff Depth = 2.92"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

Type II 24-hr 2 YR Rainfall=3.39"

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Page 6

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: Tc<2dt may require smaller dt

Runoff = 2.00 cfs @ 11.92 hrs, Volume= 0.097 af, Depth> 2.92"

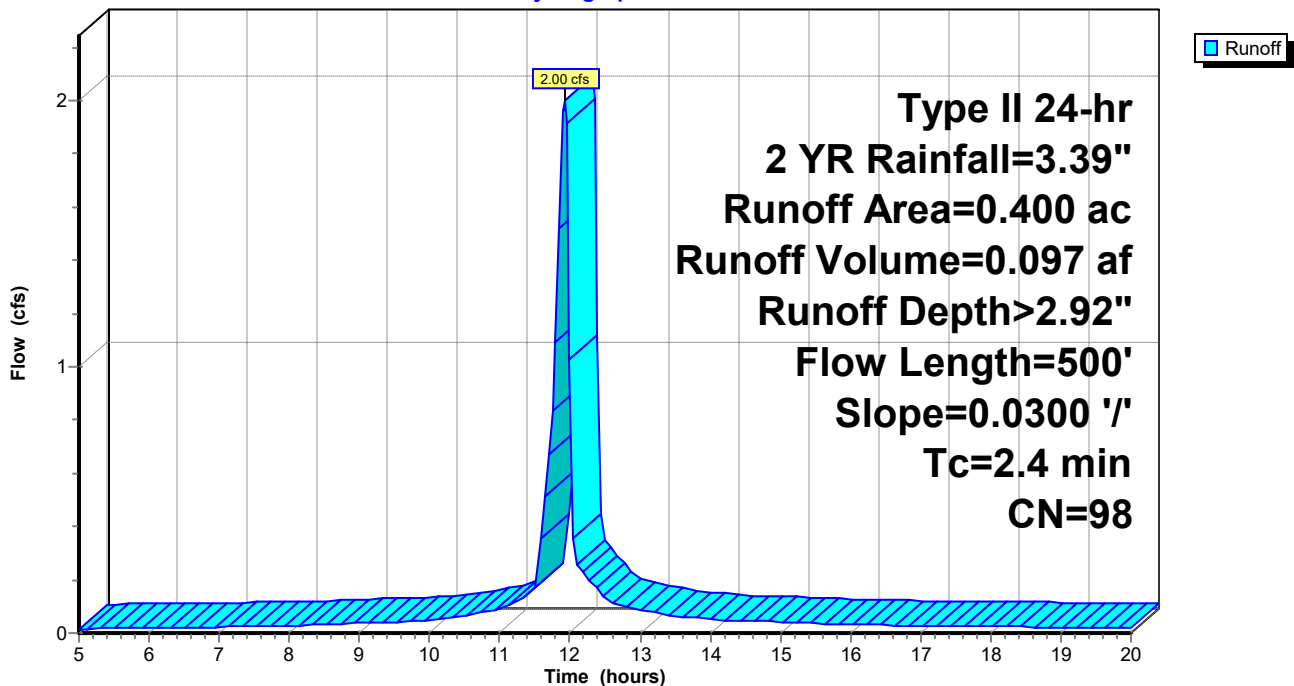
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 2 YR Rainfall=3.39"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph



PRE 728 DUE WEST - WEST POND

Type II 24-hr 5 YR Rainfall=4.50"

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Page 7

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>3.92"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=2.67 cfs 0.131 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.131 af Average Runoff Depth = 3.92"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

Type II 24-hr 5 YR Rainfall=4.50"

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Page 8

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: Tc<2dt may require smaller dt

Runoff = 2.67 cfs @ 11.92 hrs, Volume= 0.131 af, Depth> 3.92"

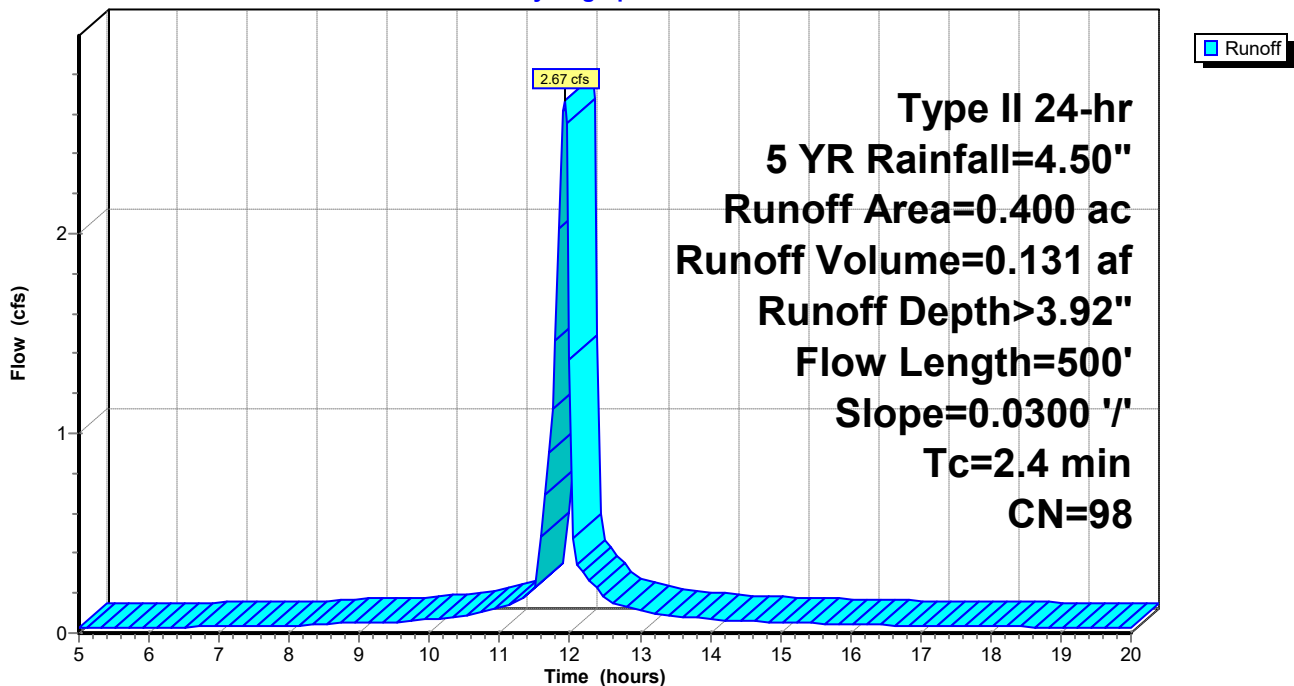
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 5 YR Rainfall=4.50"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph



PRE 728 DUE WEST - WEST POND

Type II 24-hr 10 YR Rainfall=5.23"

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Page 9

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>4.58"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=3.11 cfs 0.153 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.153 af Average Runoff Depth = 4.58"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

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Type II 24-hr 10 YR Rainfall=5.23"

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Page 10

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: $T_c < 2dt$ may require smaller dt

Runoff = 3.11 cfs @ 11.92 hrs, Volume= 0.153 af, Depth> 4.58"

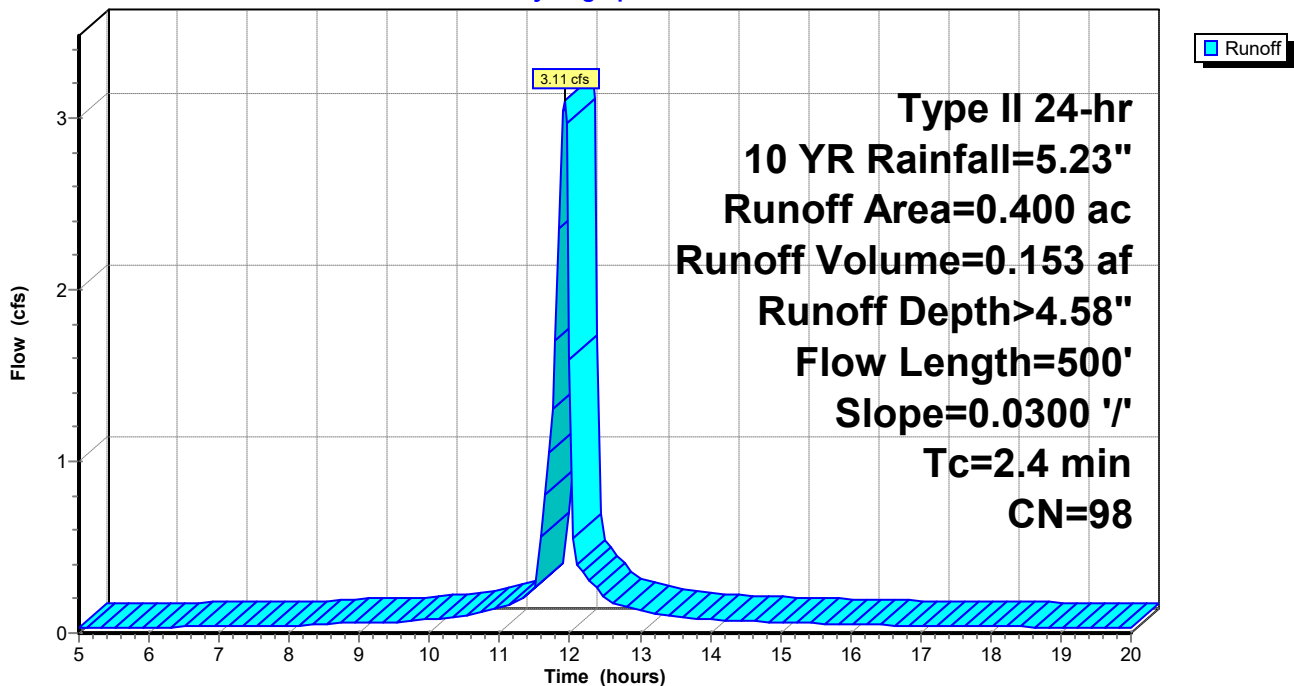
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, $dt= 0.05$ hrs
Type II 24-hr 10 YR Rainfall=5.23"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph



PRE 728 DUE WEST - WEST POND

Type II 24-hr 25 YR Rainfall=6.16"

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Page 11

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>5.41"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=3.67 cfs 0.180 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.180 af Average Runoff Depth = 5.41"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

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Type II 24-hr 25 YR Rainfall=6.16"

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Page 12

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: $T_c < 2dt$ may require smaller dt

Runoff = 3.67 cfs @ 11.92 hrs, Volume= 0.180 af, Depth> 5.41"

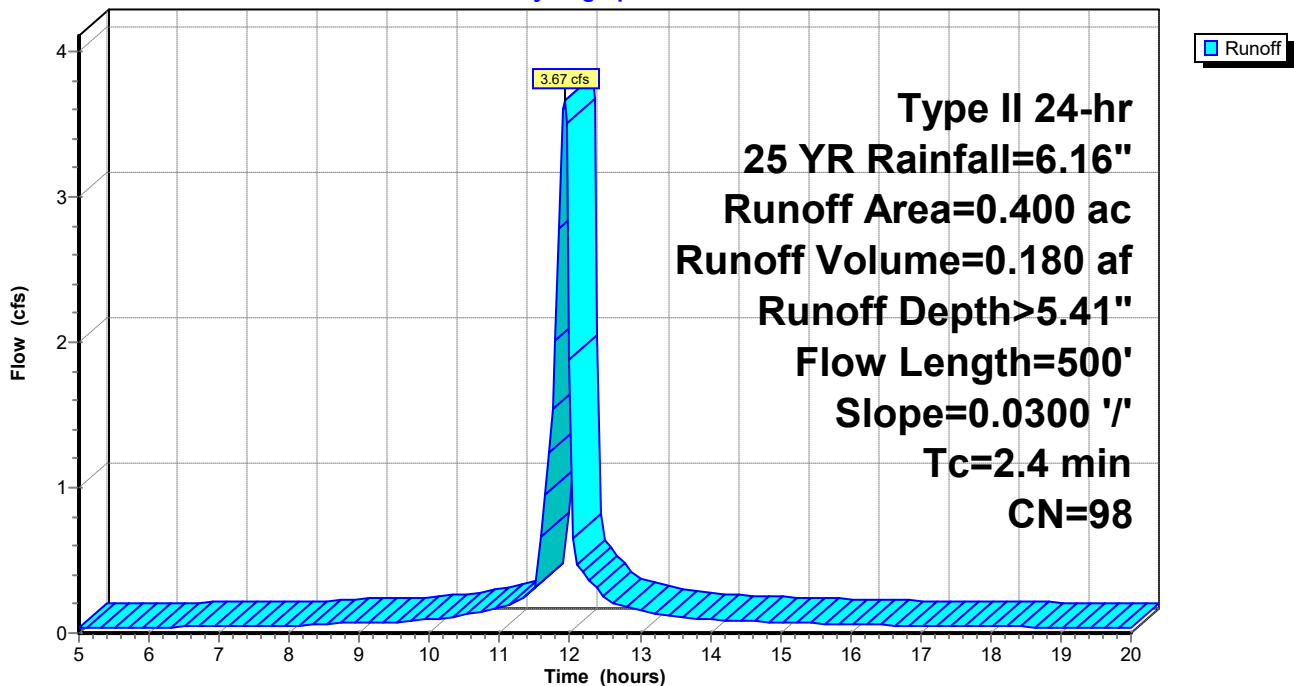
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, $dt= 0.05$ hrs
 Type II 24-hr 25 YR Rainfall=6.16"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph



PRE 728 DUE WEST - WEST POND

Type II 24-hr 50 YR Rainfall=6.85"

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Page 13

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>6.03"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=4.08 cfs 0.201 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.201 af Average Runoff Depth = 6.03"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

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Type II 24-hr 50 YR Rainfall=6.85"

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Page 14

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: $T_c < 2dt$ may require smaller dt

Runoff = 4.08 cfs @ 11.92 hrs, Volume= 0.201 af, Depth> 6.03"

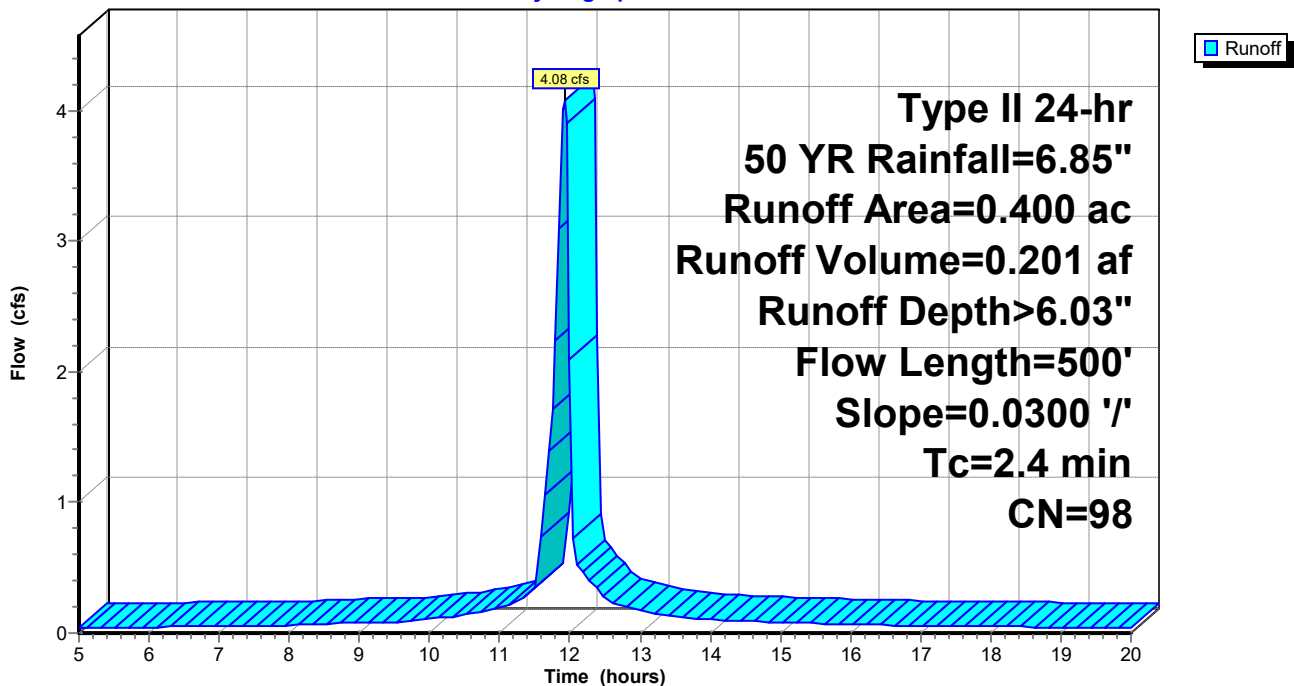
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type II 24-hr 50 YR Rainfall=6.85"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph



PRE 728 DUE WEST - WEST POND

Type II 24-hr 100 YR Rainfall=7.53"

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Page 15

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: TENN- PIN SOUTH Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>6.64"
Flow Length=500' Slope=0.0300 '/' Tc=2.4 min CN=98 Runoff=4.49 cfs 0.221 af

Total Runoff Area = 0.400 ac Runoff Volume = 0.221 af Average Runoff Depth = 6.64"
0.00% Pervious = 0.000 ac 100.00% Impervious = 0.400 ac

PRE 728 DUE WEST - WEST POND

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Type II 24-hr 100 YR Rainfall=7.53"

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Page 16

Summary for Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

EXISTING SITE - NO POND

[49] Hint: $T_c < 2dt$ may require smaller dt

Runoff = 4.49 cfs @ 11.92 hrs, Volume= 0.221 af, Depth> 6.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, $dt= 0.05$ hrs
 Type II 24-hr 100 YR Rainfall=7.53"

Area (ac)	CN	Description
0.400	98	Water Surface, HSG D
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.4	500	0.0300	3.52		Shallow Concentrated Flow, SHEET FLOW Paved Kv= 20.3 fps

Subcatchment 1S: TENN- PIN SOUTH POND 06-10-2022

Hydrograph

