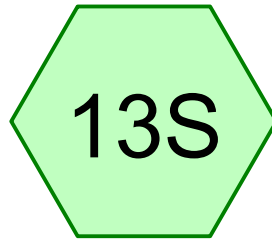
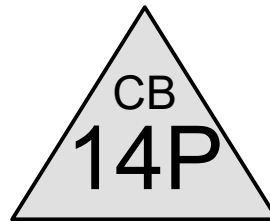


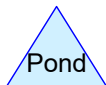
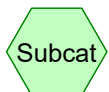
CB3-1



(new Subcat)



CB-2



Post Subcat 5

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Area Listing (all nodes)

Area (sq-ft)	CN	Description (subcatchment-numbers)
9,799	49	50-75% Grass cover, Fair, HSG A (12S, 13S)
22,868	98	Paved parking, HSG A (13S)
3,178	98	Paved roads w/curbs & sewers, HSG A (12S)
35,845	85	TOTAL AREA

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Soil Listing (all nodes)

Area (sq-ft)	Soil Group	Subcatchment Numbers
35,845	HSG A	12S, 13S
0	HSG B	
0	HSG C	
0	HSG D	
0	Other	
35,845		TOTAL AREA

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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
9,799	0	0	0	0	9,799	50-75% Grass cover, Fair
22,868	0	0	0	0	22,868	Paved parking
3,178	0	0	0	0	3,178	Paved roads w/curbs & sewers
35,845	0	0	0	0	35,845	TOTAL AREA

Post Subcat 5

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Type III 24-hr 2-Year Rainfall=3.36"

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Time span=0.50-26.00 hrs, dt=0.02 hrs, 1276 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 12S: CB3-1

Runoff Area=6,554 sf 48.49% Impervious Runoff Depth=1.09"
Tc=6.0 min CN=73 Runoff=0.18 cfs 593 cf

Subcatchment 13S: (new Subcat)

Runoff Area=29,291 sf 78.07% Impervious Runoff Depth=2.06"
Tc=6.0 min CN=87 Runoff=1.62 cfs 5,021 cf

Pond 14P: CB-2

Peak Elev=248.05' Inflow=1.62 cfs 5,021 cf
Outflow=1.62 cfs 5,021 cf

Total Runoff Area = 35,845 sf Runoff Volume = 5,614 cf Average Runoff Depth = 1.88"
27.34% Pervious = 9,799 sf 72.66% Impervious = 26,046 sf

Post Subcat 5

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Type III 24-hr 2-Year Rainfall=3.36"

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Summary for Subcatchment 12S: CB3-1

Runoff = 0.18 cfs @ 12.10 hrs, Volume= 593 cf, Depth= 1.09"

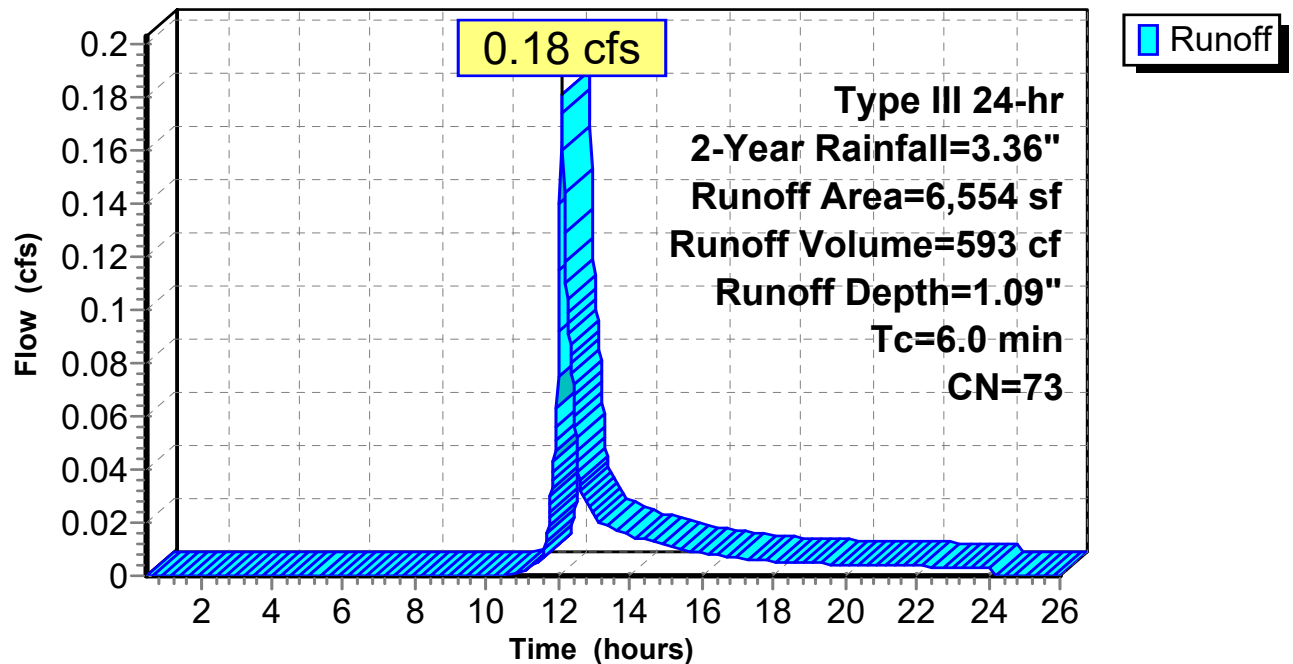
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 2-Year Rainfall=3.36"

Area (sf)	CN	Description
3,376	49	50-75% Grass cover, Fair, HSG A
3,178	98	Paved roads w/curbs & sewers, HSG A
6,554	73	Weighted Average
3,376		51.51% Pervious Area
3,178		48.49% Impervious Area

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

Subcatchment 12S: CB3-1

Hydrograph



Post Subcat 5

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Type III 24-hr 2-Year Rainfall=3.36"

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Summary for Subcatchment 13S: (new Subcat)

Runoff = 1.62 cfs @ 12.09 hrs, Volume= 5,021 cf, Depth= 2.06"

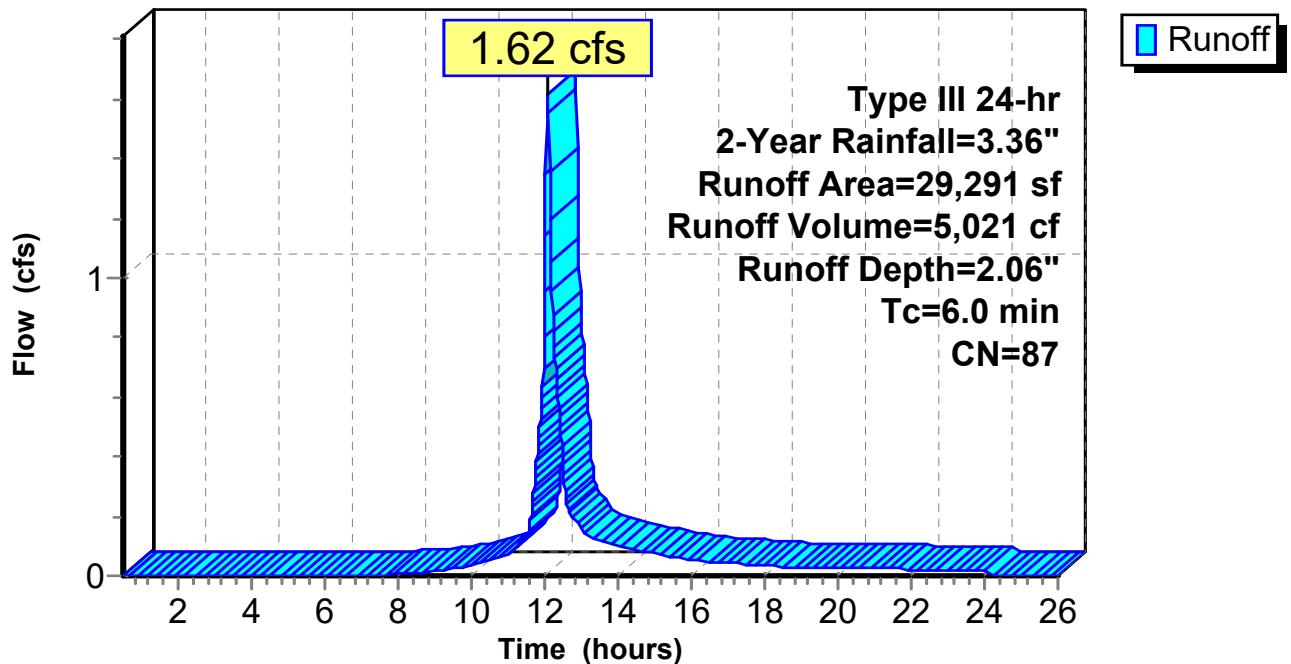
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 2-Year Rainfall=3.36"

Area (sf)	CN	Description
6,423	49	50-75% Grass cover, Fair, HSG A
22,868	98	Paved parking, HSG A
29,291	87	Weighted Average
6,423		21.93% Pervious Area
22,868		78.07% Impervious Area

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

Subcatchment 13S: (new Subcat)

Hydrograph



Post Subcat 5

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Type III 24-hr 2-Year Rainfall=3.36"

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Summary for Pond 14P: CB-2

[57] Hint: Peaked at 248.05' (Flood elevation advised)

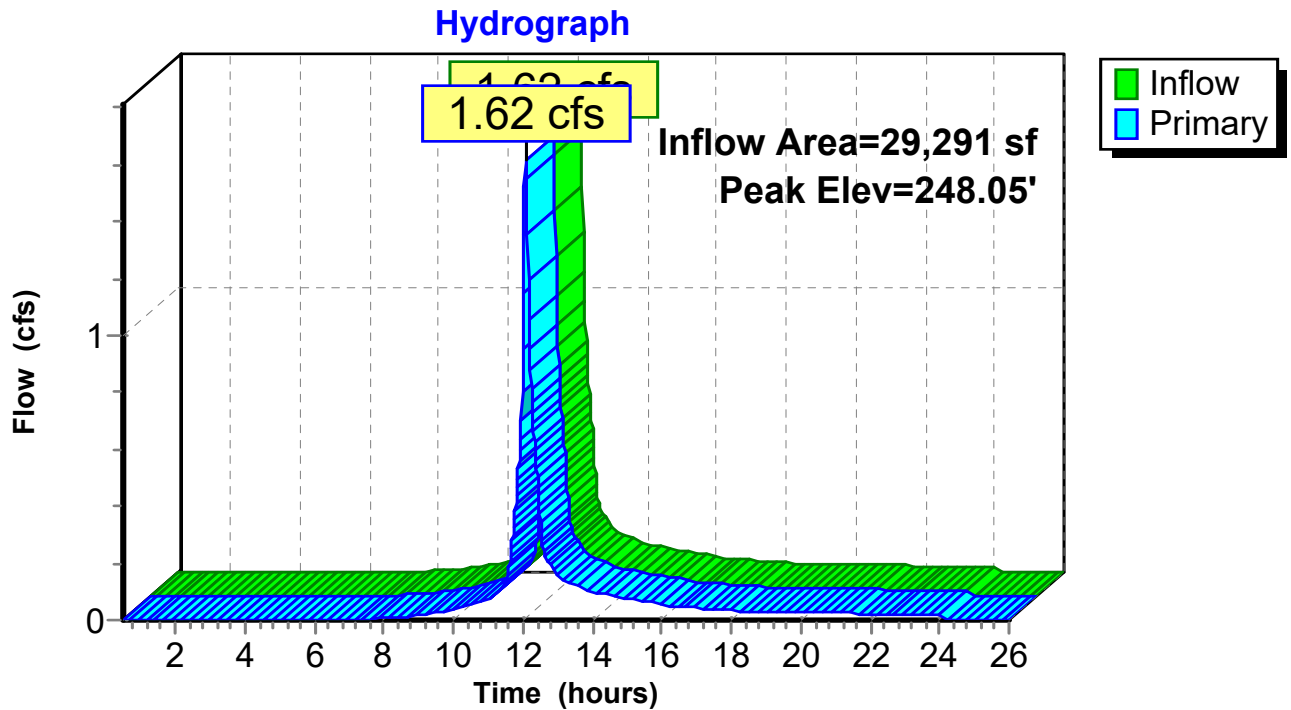
Inflow Area = 29,291 sf, 78.07% Impervious, Inflow Depth = 2.06" for 2-Year event
Inflow = 1.62 cfs @ 12.09 hrs, Volume= 5,021 cf
Outflow = 1.62 cfs @ 12.09 hrs, Volume= 5,021 cf, Atten= 0%, Lag= 0.0 min
Primary = 1.62 cfs @ 12.09 hrs, Volume= 5,021 cf

Routing by Stor-Ind method, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Peak Elev= 248.05' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	248.00'	2.0" x 2.0" Horiz. Orifice/Grate X 72.00 C= 0.600 Limited to weir flow at low heads

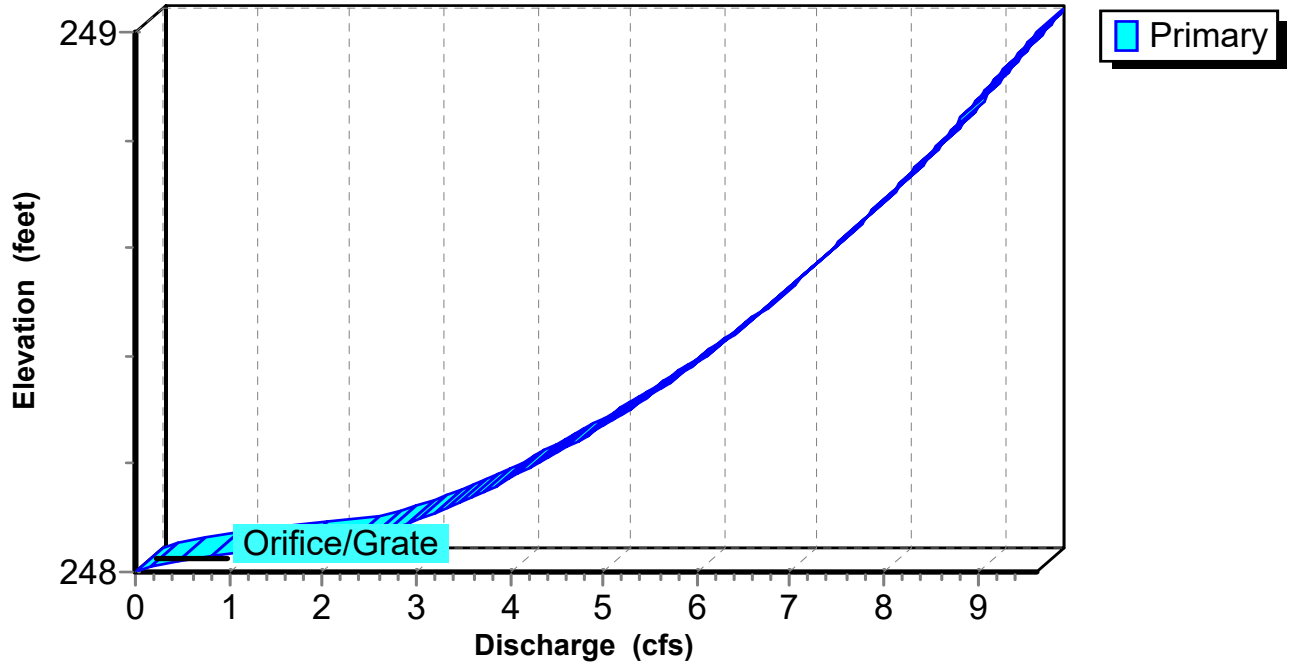
Primary OutFlow Max=1.60 cfs @ 12.09 hrs HW=248.05' (Free Discharge)
↑1=Orifice/Grate (Weir Controls 1.60 cfs @ 0.71 fps)

Pond 14P: CB-2



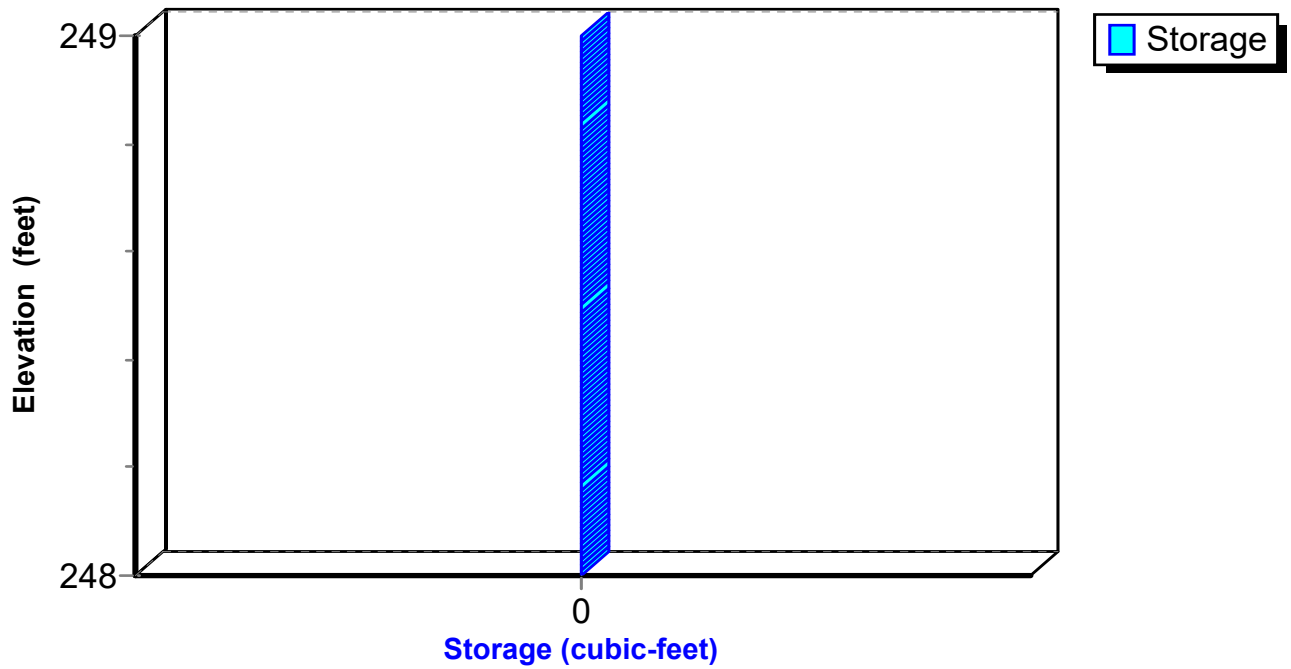
Pond 14P: CB-2

Stage-Discharge



Pond 14P: CB-2

Stage-Area-Storage



Post Subcat 5

Type III 24-hr 10-Year Rainfall=5.26"

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Time span=0.50-26.00 hrs, dt=0.02 hrs, 1276 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 12S: CB3-1

Runoff Area=6,554 sf 48.49% Impervious Runoff Depth=2.49"
Tc=6.0 min CN=73 Runoff=0.44 cfs 1,358 cf

Subcatchment 13S: (new Subcat)

Runoff Area=29,291 sf 78.07% Impervious Runoff Depth=3.81"
Tc=6.0 min CN=87 Runoff=2.94 cfs 9,307 cf

Pond 14P: CB-2

Peak Elev=248.09' Inflow=2.94 cfs 9,307 cf
Outflow=2.94 cfs 9,307 cf

Total Runoff Area = 35,845 sf Runoff Volume = 10,664 cf Average Runoff Depth = 3.57"
27.34% Pervious = 9,799 sf 72.66% Impervious = 26,046 sf

Post Subcat 5

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Type III 24-hr 10-Year Rainfall=5.26"

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Summary for Subcatchment 12S: CB3-1

Runoff = 0.44 cfs @ 12.09 hrs, Volume= 1,358 cf, Depth= 2.49"

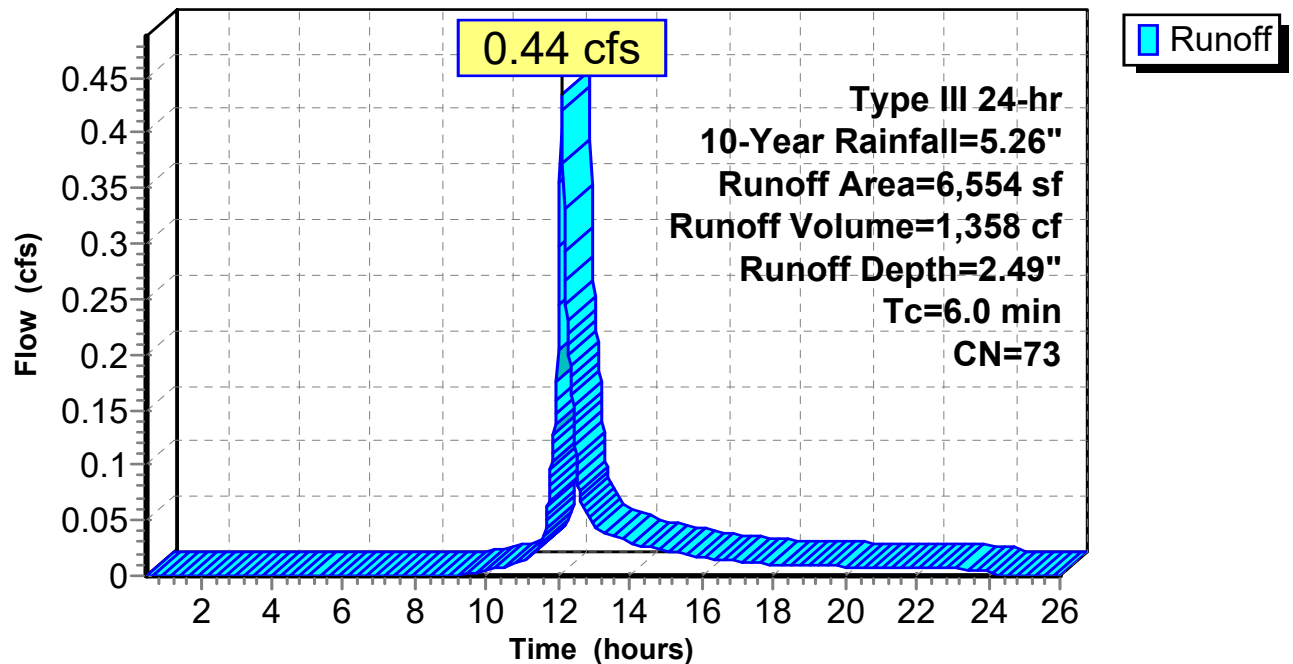
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 10-Year Rainfall=5.26"

Area (sf)	CN	Description
3,376	49	50-75% Grass cover, Fair, HSG A
3,178	98	Paved roads w/curbs & sewers, HSG A
6,554	73	Weighted Average
3,376		51.51% Pervious Area
3,178		48.49% Impervious Area

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

Subcatchment 12S: CB3-1

Hydrograph



Post Subcat 5

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Type III 24-hr 10-Year Rainfall=5.26"

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Summary for Subcatchment 13S: (new Subcat)

Runoff = 2.94 cfs @ 12.09 hrs, Volume= 9,307 cf, Depth= 3.81"

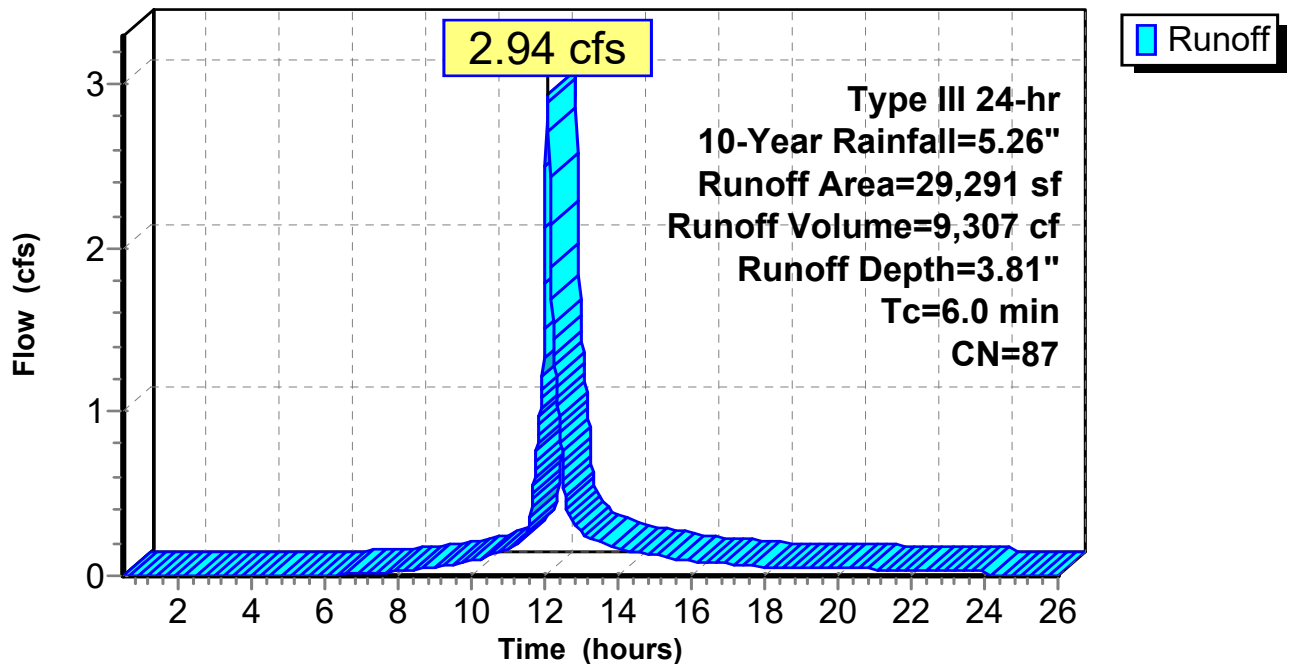
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 10-Year Rainfall=5.26"

Area (sf)	CN	Description
6,423	49	50-75% Grass cover, Fair, HSG A
22,868	98	Paved parking, HSG A
29,291	87	Weighted Average
6,423		21.93% Pervious Area
22,868		78.07% Impervious Area

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

Subcatchment 13S: (new Subcat)

Hydrograph



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Type III 24-hr 10-Year Rainfall=5.26"

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Summary for Pond 14P: CB-2

[57] Hint: Peaked at 248.09' (Flood elevation advised)

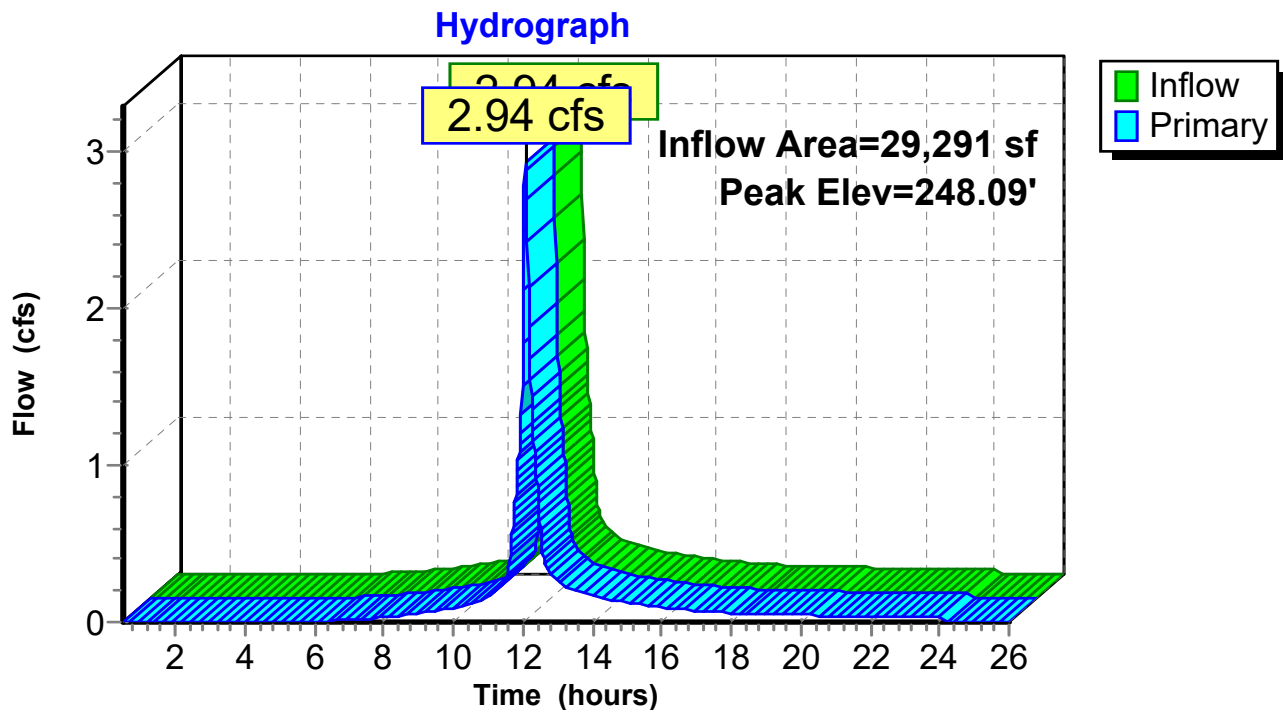
Inflow Area = 29,291 sf, 78.07% Impervious, Inflow Depth = 3.81" for 10-Year event
Inflow = 2.94 cfs @ 12.09 hrs, Volume= 9,307 cf
Outflow = 2.94 cfs @ 12.09 hrs, Volume= 9,307 cf, Atten= 0%, Lag= 0.0 min
Primary = 2.94 cfs @ 12.09 hrs, Volume= 9,307 cf

Routing by Stor-Ind method, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Peak Elev= 248.09' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	248.00'	2.0" x 2.0" Horiz. Orifice/Grate X 72.00 C= 0.600 Limited to weir flow at low heads

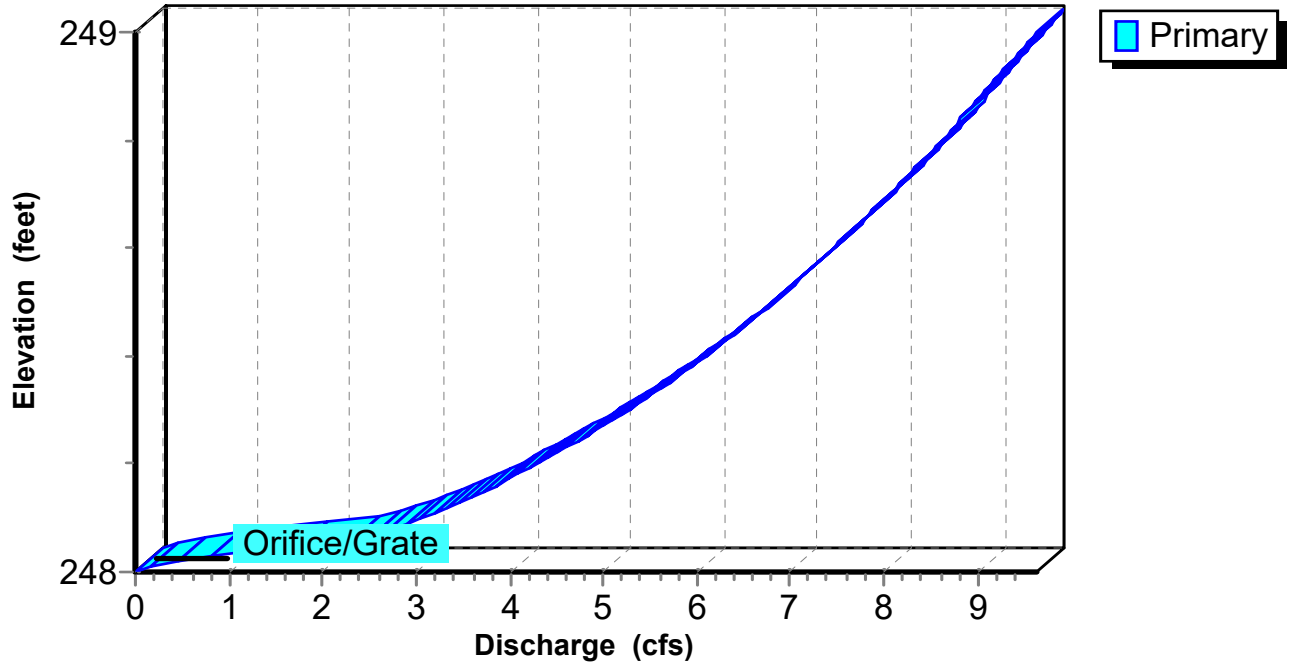
Primary OutFlow Max=2.92 cfs @ 12.09 hrs HW=248.09' (Free Discharge)
↑1=Orifice/Grate (Orifice Controls 2.92 cfs @ 1.46 fps)

Pond 14P: CB-2



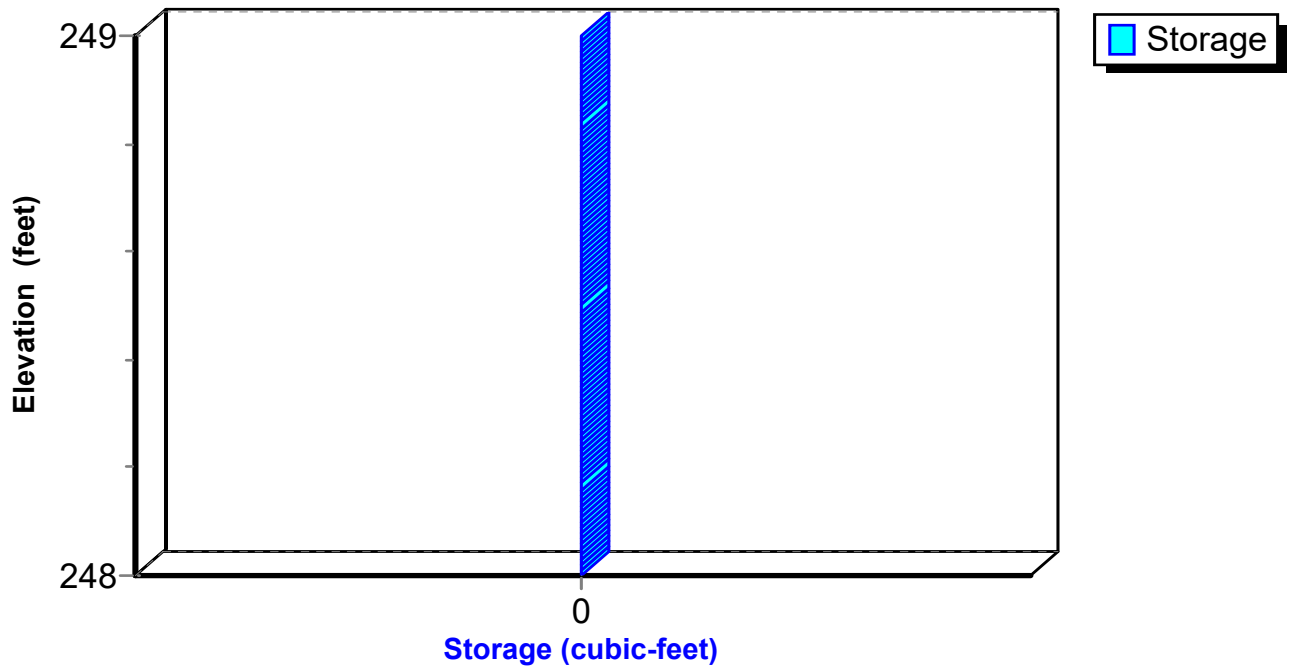
Pond 14P: CB-2

Stage-Discharge



Pond 14P: CB-2

Stage-Area-Storage



Post Subcat 5

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Type III 24-hr 25-Year Rainfall=6.43"

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Time span=0.50-26.00 hrs, dt=0.02 hrs, 1276 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 12S: CB3-1

Runoff Area=6,554 sf 48.49% Impervious Runoff Depth=3.45"
Tc=6.0 min CN=73 Runoff=0.61 cfs 1,884 cf

Subcatchment 13S: (new Subcat)

Runoff Area=29,291 sf 78.07% Impervious Runoff Depth=4.93"
Tc=6.0 min CN=87 Runoff=3.75 cfs 12,033 cf

Pond 14P: CB-2

Peak Elev=248.15' Inflow=3.75 cfs 12,033 cf
Outflow=3.75 cfs 12,033 cf

Total Runoff Area = 35,845 sf Runoff Volume = 13,917 cf Average Runoff Depth = 4.66"
27.34% Pervious = 9,799 sf 72.66% Impervious = 26,046 sf

Post Subcat 5

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Type III 24-hr 25-Year Rainfall=6.43"

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Summary for Subcatchment 12S: CB3-1

Runoff = 0.61 cfs @ 12.09 hrs, Volume= 1,884 cf, Depth= 3.45"

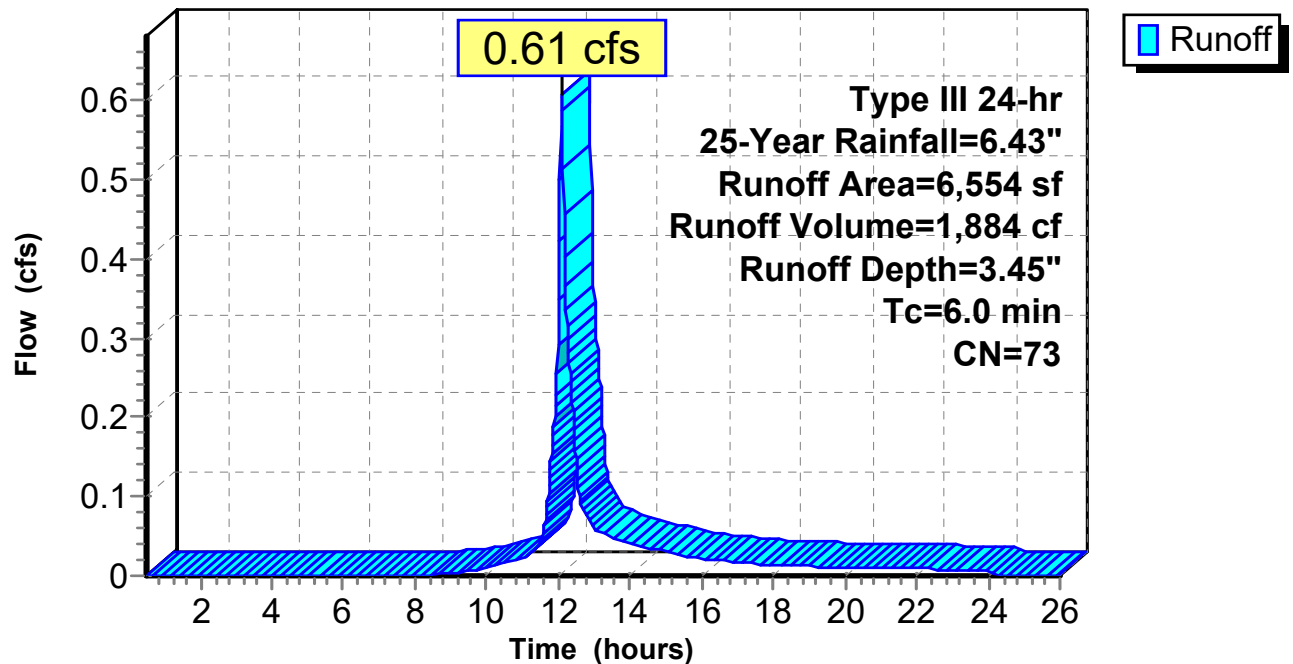
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 25-Year Rainfall=6.43"

Area (sf)	CN	Description
3,376	49	50-75% Grass cover, Fair, HSG A
3,178	98	Paved roads w/curbs & sewers, HSG A
6,554	73	Weighted Average
3,376		51.51% Pervious Area
3,178		48.49% Impervious Area

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

Subcatchment 12S: CB3-1

Hydrograph



Post Subcat 5

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Type III 24-hr 25-Year Rainfall=6.43"

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Summary for Subcatchment 13S: (new Subcat)

Runoff = 3.75 cfs @ 12.09 hrs, Volume= 12,033 cf, Depth= 4.93"

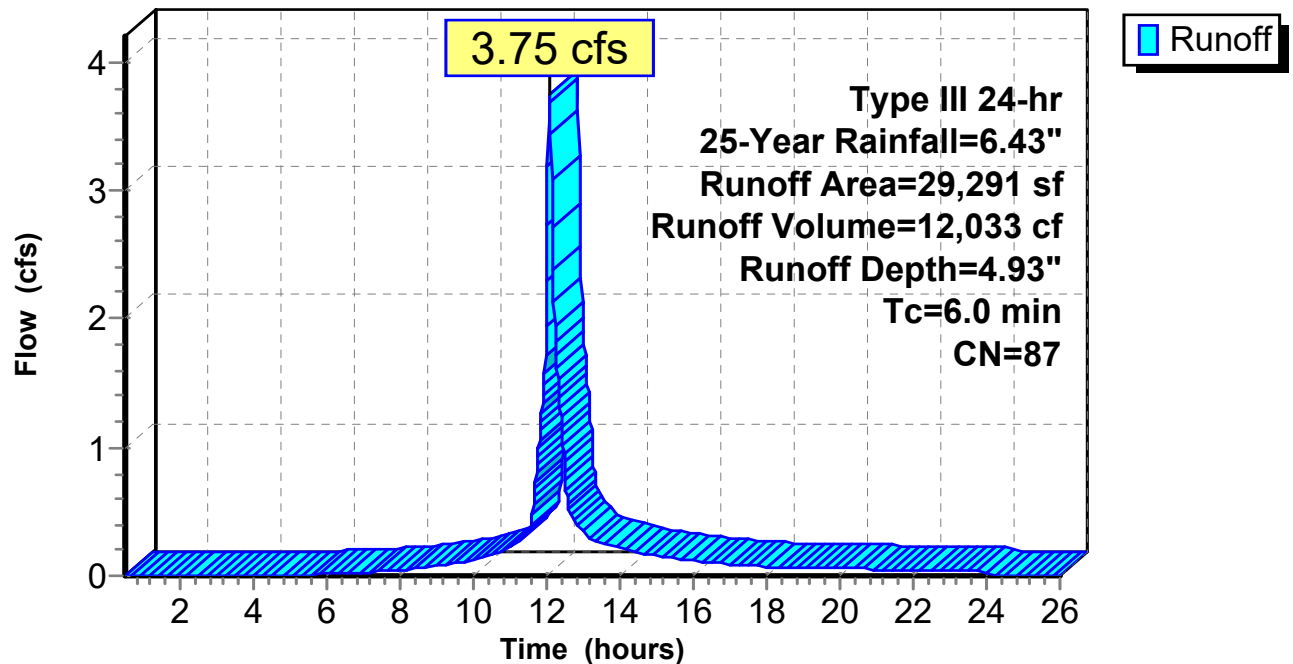
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 25-Year Rainfall=6.43"

Area (sf)	CN	Description
6,423	49	50-75% Grass cover, Fair, HSG A
22,868	98	Paved parking, HSG A
29,291	87	Weighted Average
6,423		21.93% Pervious Area
22,868		78.07% Impervious Area

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

Subcatchment 13S: (new Subcat)

Hydrograph



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Type III 24-hr 25-Year Rainfall=6.43"

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Summary for Pond 14P: CB-2

[57] Hint: Peaked at 248.15' (Flood elevation advised)

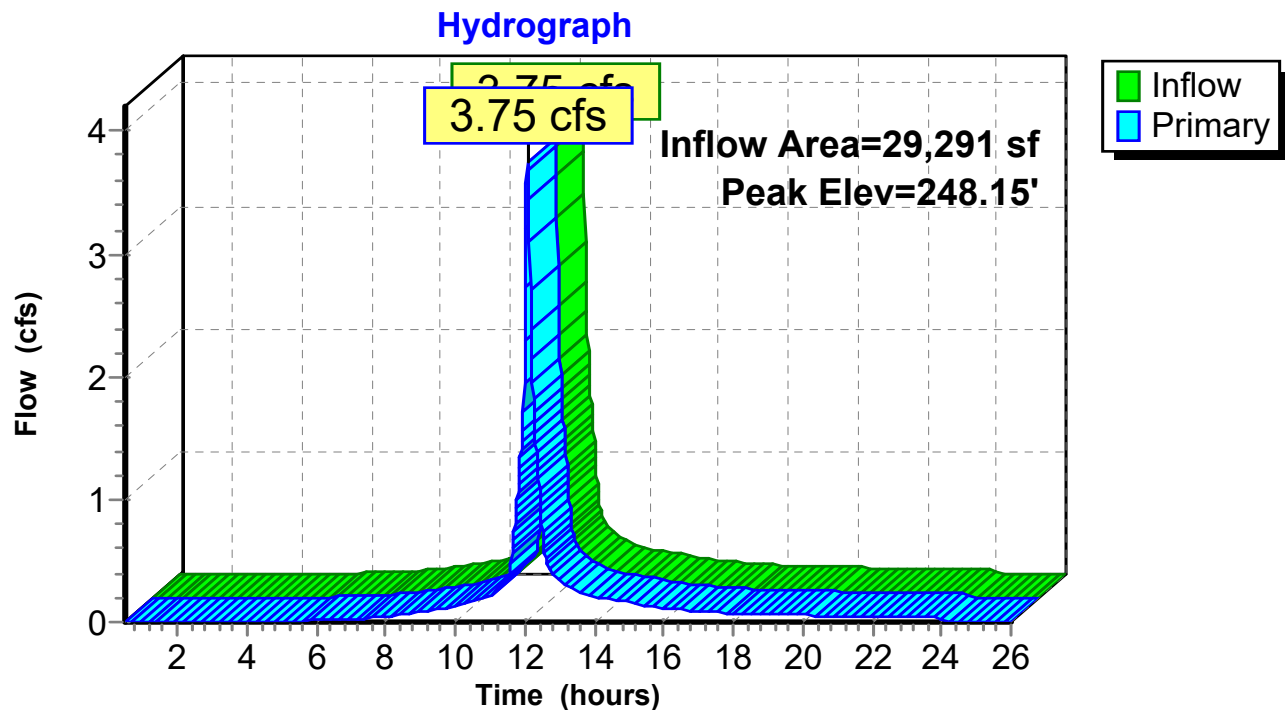
Inflow Area = 29,291 sf, 78.07% Impervious, Inflow Depth = 4.93" for 25-Year event
Inflow = 3.75 cfs @ 12.09 hrs, Volume= 12,033 cf
Outflow = 3.75 cfs @ 12.09 hrs, Volume= 12,033 cf, Atten= 0%, Lag= 0.0 min
Primary = 3.75 cfs @ 12.09 hrs, Volume= 12,033 cf

Routing by Stor-Ind method, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Peak Elev= 248.15' @ 12.09 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	248.00'	2.0" x 2.0" Horiz. Orifice/Grate X 72.00 C= 0.600 Limited to weir flow at low heads

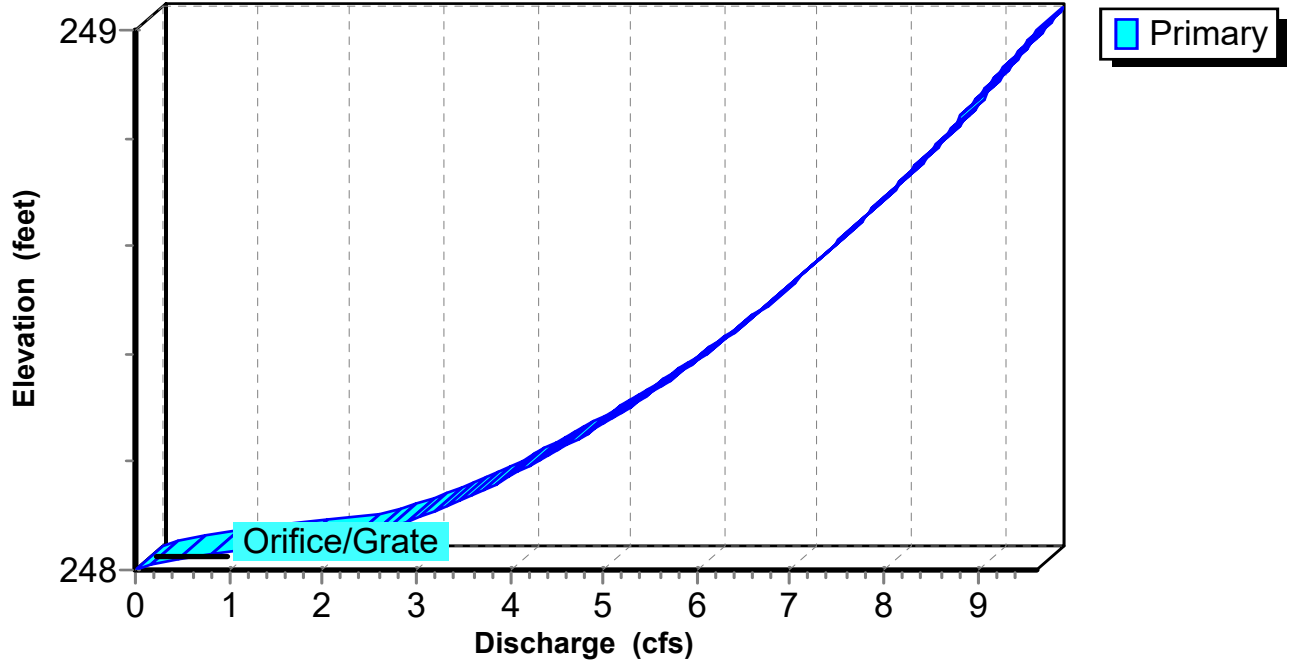
Primary OutFlow Max=3.73 cfs @ 12.09 hrs HW=248.15' (Free Discharge)
↑1=Orifice/Grate (Orifice Controls 3.73 cfs @ 1.87 fps)

Pond 14P: CB-2



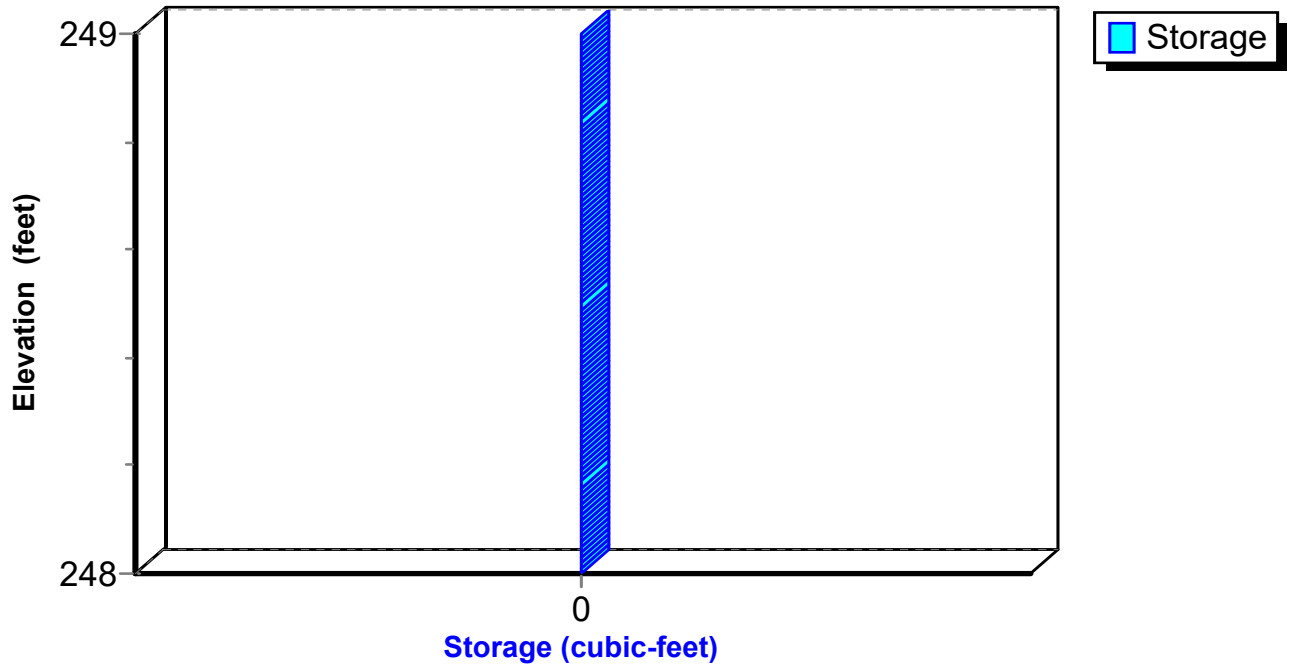
Pond 14P: CB-2

Stage-Discharge



Pond 14P: CB-2

Stage-Area-Storage



Post Subcat 5

Type III 24-hr 100-Year Rainfall=8.23"

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Time span=0.50-26.00 hrs, dt=0.02 hrs, 1276 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

Subcatchment 12S: CB3-1

Runoff Area=6,554 sf 48.49% Impervious Runoff Depth=5.01"
Tc=6.0 min CN=73 Runoff=0.88 cfs 2,739 cf

Subcatchment 13S: (new Subcat)

Runoff Area=29,291 sf 78.07% Impervious Runoff Depth=6.67"
Tc=6.0 min CN=87 Runoff=5.00 cfs 16,290 cf

Pond 14P: CB-2

Peak Elev=248.27' Inflow=5.00 cfs 16,290 cf
Outflow=5.00 cfs 16,290 cf

Total Runoff Area = 35,845 sf Runoff Volume = 19,029 cf Average Runoff Depth = 6.37"
27.34% Pervious = 9,799 sf 72.66% Impervious = 26,046 sf

Post Subcat 5

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Type III 24-hr 100-Year Rainfall=8.23"

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Summary for Subcatchment 12S: CB3-1

Runoff = 0.88 cfs @ 12.09 hrs, Volume= 2,739 cf, Depth= 5.01"

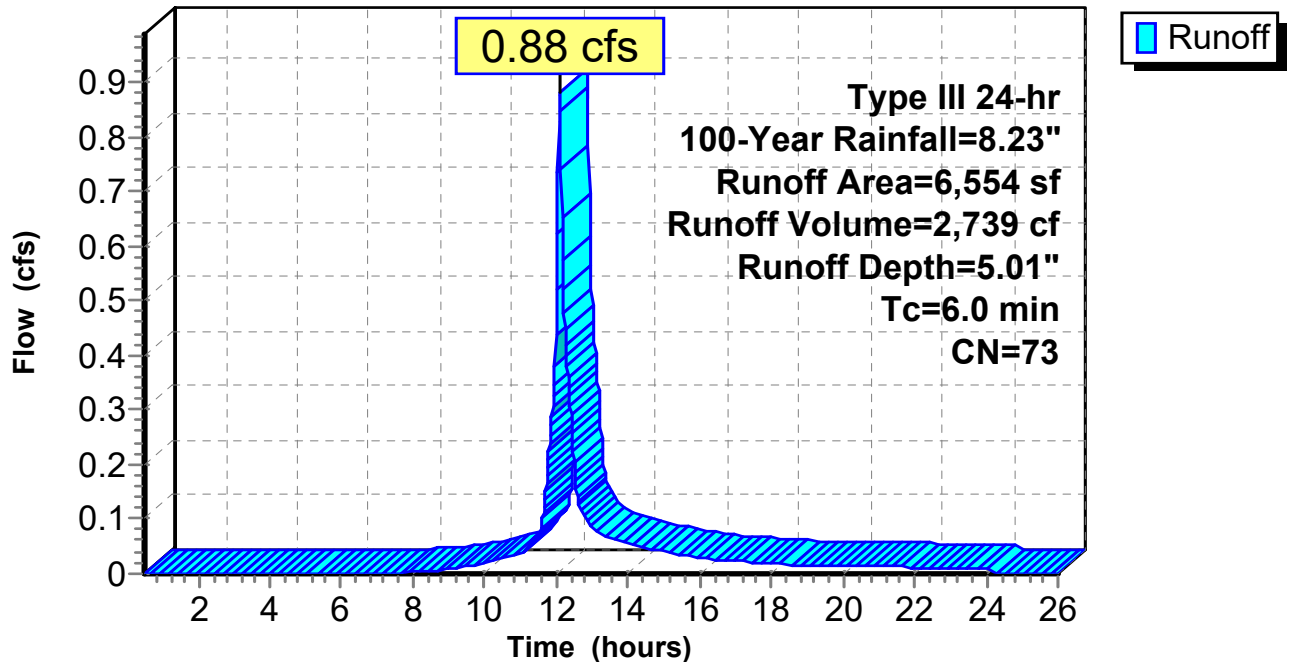
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 100-Year Rainfall=8.23"

Area (sf)	CN	Description
3,376	49	50-75% Grass cover, Fair, HSG A
3,178	98	Paved roads w/curbs & sewers, HSG A
6,554	73	Weighted Average
3,376		51.51% Pervious Area
3,178		48.49% Impervious Area

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

Subcatchment 12S: CB3-1

Hydrograph



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Type III 24-hr 100-Year Rainfall=8.23"

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Summary for Subcatchment 13S: (new Subcat)

Runoff = 5.00 cfs @ 12.08 hrs, Volume= 16,290 cf, Depth= 6.67"

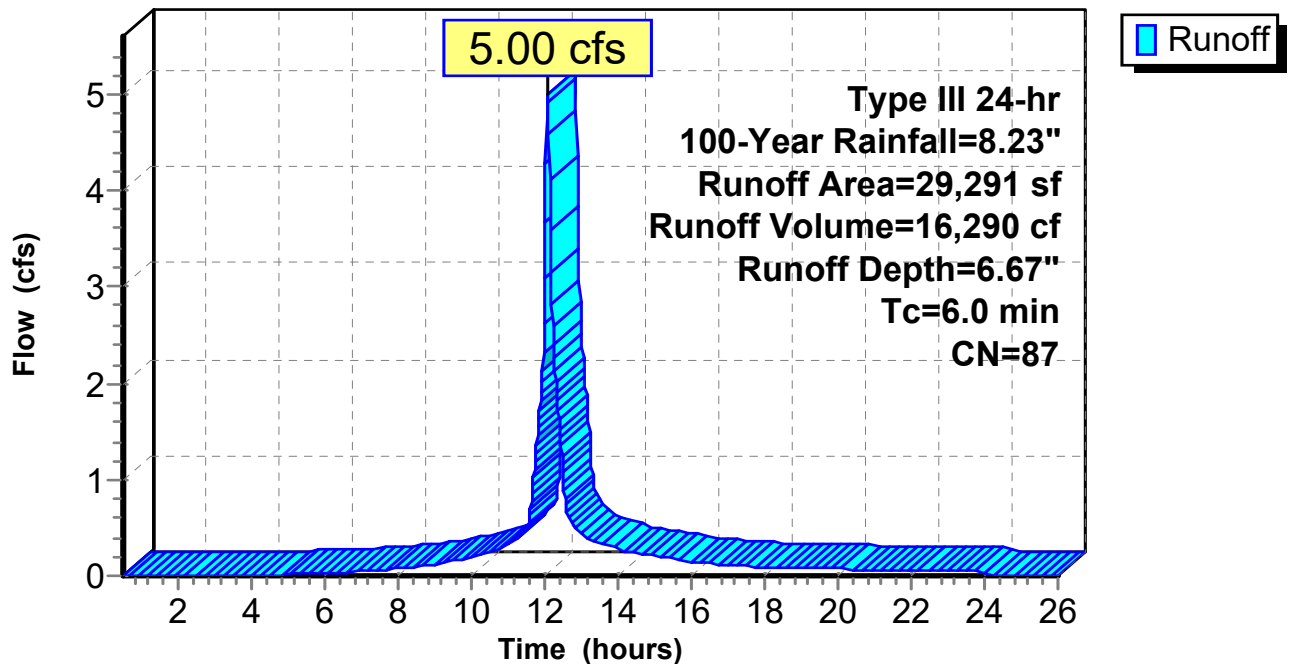
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Type III 24-hr 100-Year Rainfall=8.23"

Area (sf)	CN	Description
6,423	49	50-75% Grass cover, Fair, HSG A
22,868	98	Paved parking, HSG A
29,291	87	Weighted Average
6,423		21.93% Pervious Area
22,868		78.07% Impervious Area

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

Subcatchment 13S: (new Subcat)

Hydrograph



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Type III 24-hr 100-Year Rainfall=8.23"

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Summary for Pond 14P: CB-2

[57] Hint: Peaked at 248.27' (Flood elevation advised)

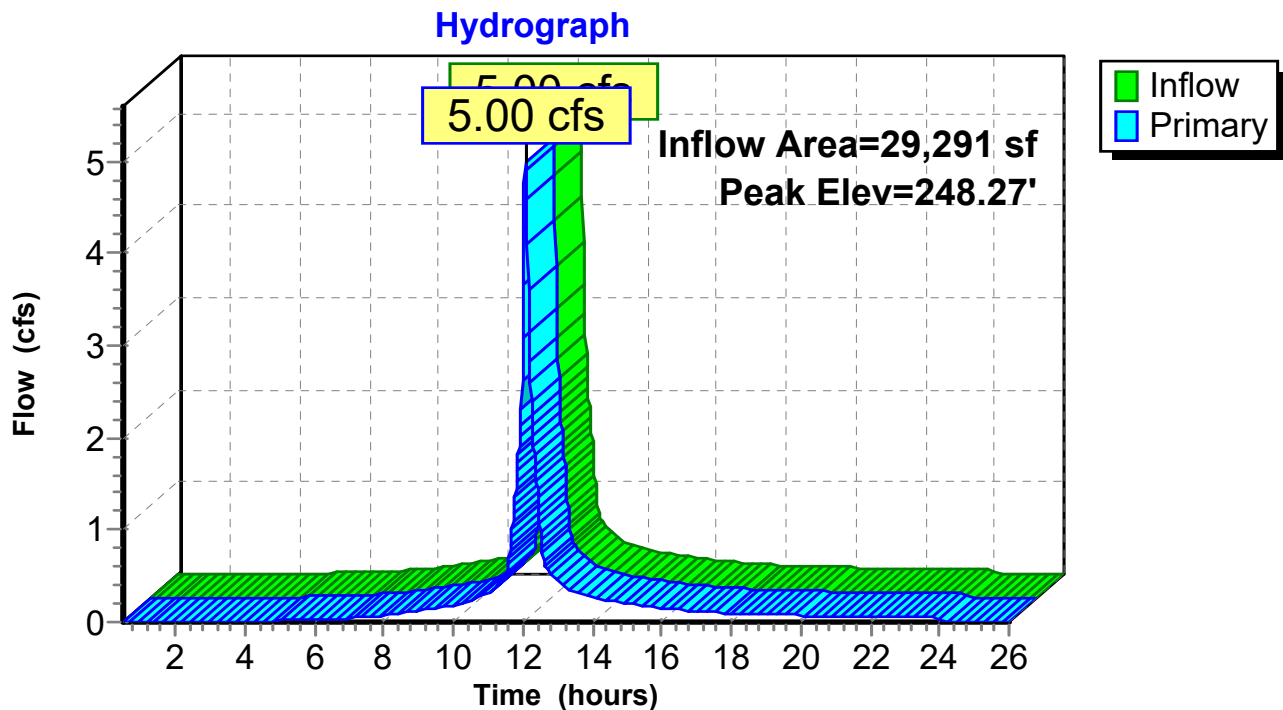
Inflow Area = 29,291 sf, 78.07% Impervious, Inflow Depth = 6.67" for 100-Year event
Inflow = 5.00 cfs @ 12.08 hrs, Volume= 16,290 cf
Outflow = 5.00 cfs @ 12.08 hrs, Volume= 16,290 cf, Atten= 0%, Lag= 0.0 min
Primary = 5.00 cfs @ 12.08 hrs, Volume= 16,290 cf

Routing by Stor-Ind method, Time Span= 0.50-26.00 hrs, dt= 0.02 hrs
Peak Elev= 248.27' @ 12.08 hrs

Device	Routing	Invert	Outlet Devices
#1	Primary	248.00'	2.0" x 2.0" Horiz. Orifice/Grate X 72.00 C= 0.600 Limited to weir flow at low heads

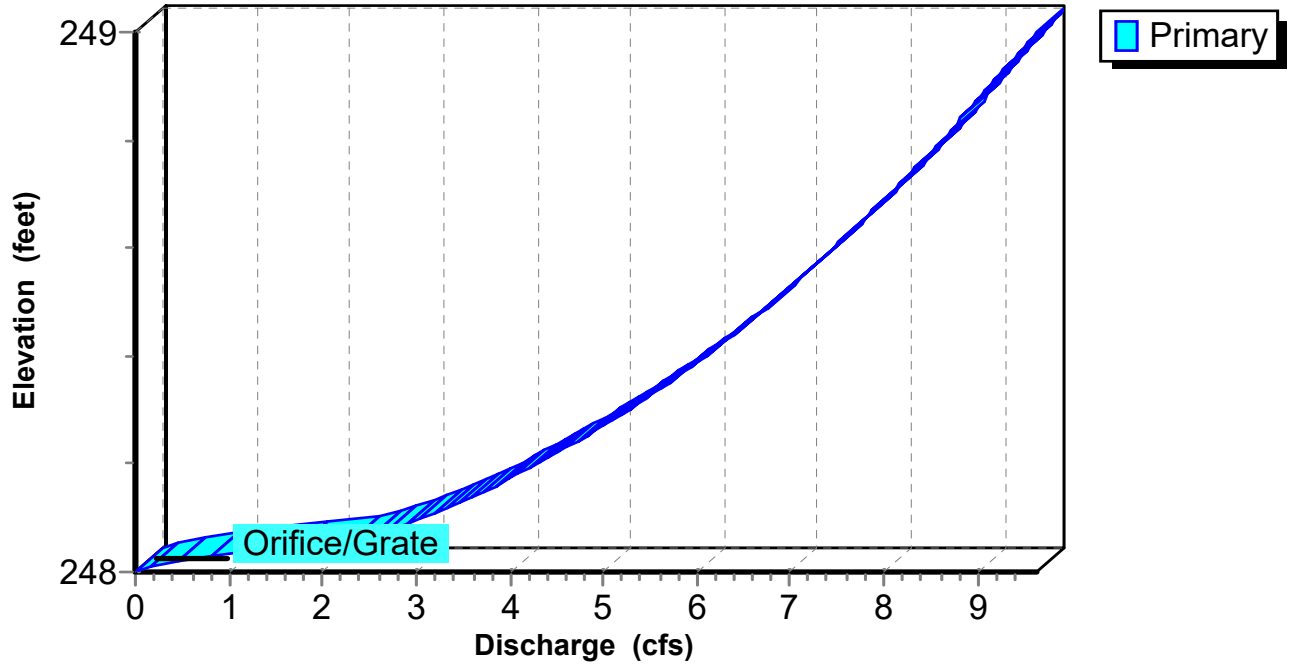
Primary OutFlow Max=4.97 cfs @ 12.08 hrs HW=248.27' (Free Discharge)
↑1=Orifice/Grate (Orifice Controls 4.97 cfs @ 2.49 fps)

Pond 14P: CB-2



Pond 14P: CB-2

Stage-Discharge



Pond 14P: CB-2

Stage-Area-Storage

