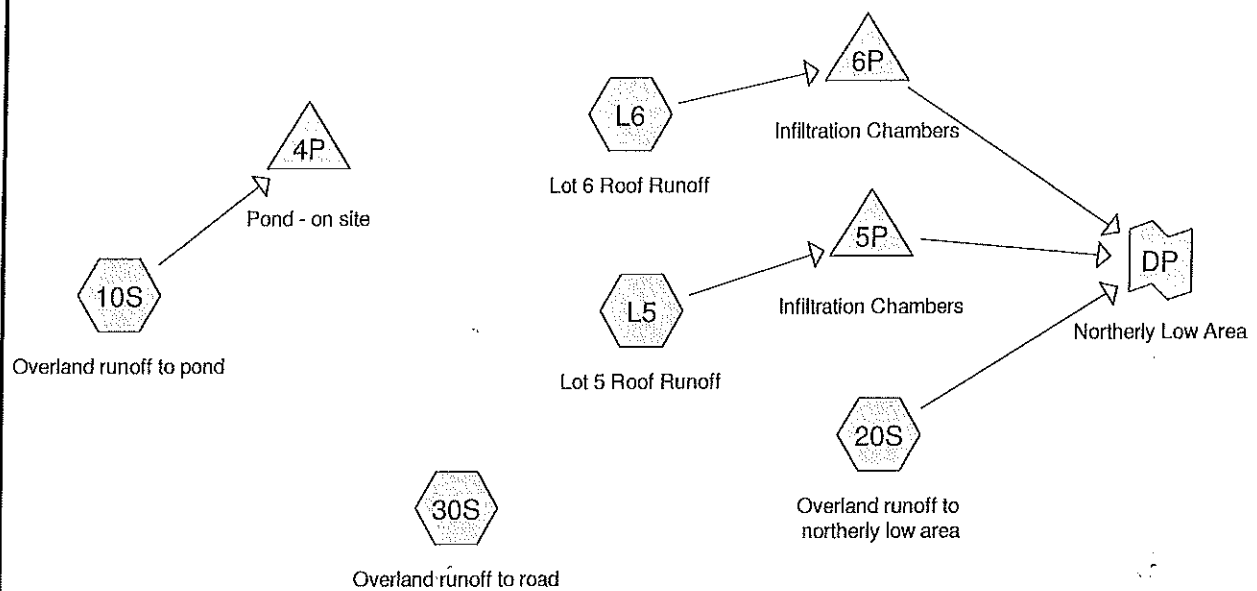


PROPOSED CONDITIONS

2 YEAR STORM



Routing Diagram for Dutchco - Hartwell Ave Post Development
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Dutchco - Hartwell Ave Post Development

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.870	39	>75% Grass cover, Good, HSG A (10S)
1.480	61	>75% Grass cover, Good, HSG B (10S, 20S, 30S)
0.060	74	>75% Grass cover, Good, HSG C (10S, 20S)
0.020	98	Paved Driveway (30S)
0.330	98	Paved Driveways (10S, 20S)
0.250	98	Roofs (10S, 20S)
0.110	98	Roofs, HSG A (L5, L6)
1.000	98	Water Surface (10S)
3.730	30	Woods, Good, HSG A (10S)
1.230	55	Woods, Good, HSG B (10S, 20S)
1.040	70	Woods, Good, HSG C (10S, 20S)
10.120	54	TOTAL AREA

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Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
4.710	HSG A	10S, L5, L6
2.710	HSG B	10S, 20S, 30S
1.100	HSG C	10S, 20S
0.000	HSG D	
1.600	Other	10S, 20S, 30S
10.120		TOTAL AREA

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Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.870	1.480	0.060	0.000	0.000	2.410	>75% Grass cover, Good	10S, 20S, 30S
0.000	0.000	0.000	0.000	0.020	0.020	Paved Driveway	30S
0.000	0.000	0.000	0.000	0.330	0.330	Paved Driveways	10S, 20S
0.110	0.000	0.000	0.000	0.250	0.360	Roofs	10S, 20S, L5, L6
0.000	0.000	0.000	0.000	1.000	1.000	Water Surface	10S
3.730	1.230	1.040	0.000	0.000	6.000	Woods, Good	10S, 20S
4.710	2.710	1.100	0.000	1.600	10.120	TOTAL AREA	

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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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 10S: Overland runoff to pond Runoff Area=7.330 ac 18.96% Impervious Runoff Depth>0.09"
Tc=0.0 min CN=50 Runoff=0.12 cfs 0.052 af

Subcatchment 20S: Overland runoff to northerly Runoff Area=2.520 ac 7.54% Impervious Runoff Depth>0.38"
Flow Length=454' Tc=11.4 min CN=62 Runoff=0.68 cfs 0.080 af

Subcatchment 30S: Overland runoff to road Runoff Area=0.160 ac 12.50% Impervious Runoff Depth>0.53"
Flow Length=60' Slope=0.0170 '/' Tc=6.3 min CN=66 Runoff=0.09 cfs 0.007 af

Subcatchment L5: Lot 5 Roof Runoff Runoff Area=0.055 ac 100.00% Impervious Runoff Depth>2.68"
Flow Length=75' Tc=5.0 min CN=98 Runoff=0.17 cfs 0.012 af

Subcatchment L6: Lot 6 Roof Runoff Runoff Area=0.055 ac 100.00% Impervious Runoff Depth>2.68"
Flow Length=80' Tc=5.0 min CN=98 Runoff=0.17 cfs 0.012 af

Pond 4P: Pond - on site Peak Elev=251.05' Storage=0.052 af Inflow=0.12 cfs 0.052 af
Outflow=0.00 cfs 0.000 af

Pond 5P: Infiltration Chambers Peak Elev=0.52' Storage=0.004 af Inflow=0.17 cfs 0.012 af
Outflow=0.02 cfs 0.012 af

Pond 6P: Infiltration Chambers Peak Elev=0.52' Storage=0.004 af Inflow=0.17 cfs 0.012 af
Outflow=0.02 cfs 0.012 af

Link DP: Northerly Low Area Inflow=0.68 cfs 0.080 af
Primary=0.68 cfs 0.080 af

Total Runoff Area = 10.120 ac Runoff Volume = 0.164 af Average Runoff Depth = 0.19"
83.10% Pervious = 8.410 ac 16.90% Impervious = 1.710 ac

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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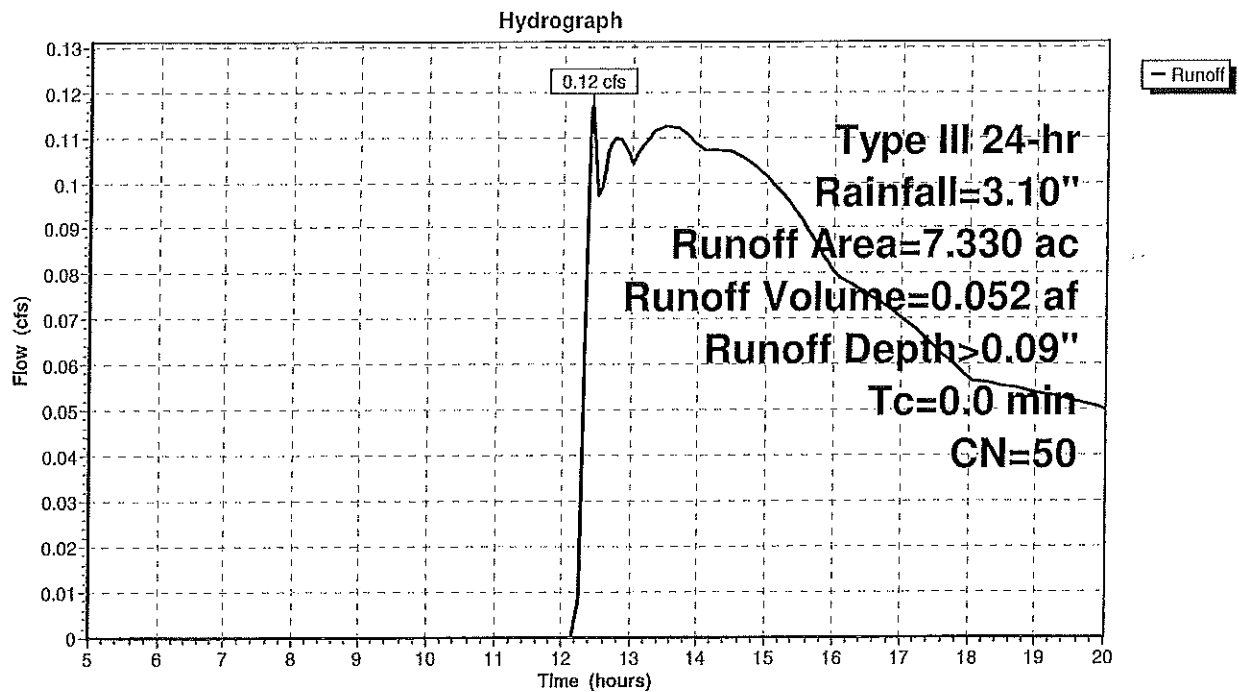
Summary for Subcatchment 10S: Overland runoff to pond

Runoff = 0.12 cfs @ 12.41 hrs, Volume= 0.052 af, Depth> 0.09"
Routed to Pond 4P : Pond - on site

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr Rainfall=3.10"

Area (ac)	CN	Description
* 0.220	98	Roofs
* 0.170	98	Paved Driveways
0.870	39	>75% Grass cover, Good, HSG A
0.440	61	>75% Grass cover, Good, HSG B
0.050	74	>75% Grass cover, Good, HSG C
* 1.000	98	Water Surface
3.730	30	Woods, Good, HSG A
0.150	55	Woods, Good, HSG B
0.700	70	Woods, Good, HSG C
7.330	50	Weighted Average
5.940		81.04% Pervious Area
1.390		18.96% Impervious Area

Subcatchment 10S: Overland runoff to pond



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Subcatchment 10S: Overland runoff to pond

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.18	0.00	0.00	18.25	2.89	0.07	0.06
5.25	0.19	0.00	0.00	18.50	2.90	0.07	0.06
5.50	0.20	0.00	0.00	18.75	2.91	0.08	0.05
5.75	0.21	0.00	0.00	19.00	2.92	0.08	0.05
6.00	0.22	0.00	0.00	19.25	2.94	0.08	0.05
6.25	0.24	0.00	0.00	19.50	2.95	0.08	0.05
6.50	0.25	0.00	0.00	19.75	2.96	0.08	0.05
6.75	0.26	0.00	0.00	20.00	2.97	0.09	0.05
7.00	0.28	0.00	0.00				
7.25	0.30	0.00	0.00				
7.50	0.32	0.00	0.00				
7.75	0.33	0.00	0.00				
8.00	0.35	0.00	0.00				
8.25	0.37	0.00	0.00				
8.50	0.40	0.00	0.00				
8.75	0.42	0.00	0.00				
9.00	0.45	0.00	0.00				
9.25	0.48	0.00	0.00				
9.50	0.51	0.00	0.00				
9.75	0.55	0.00	0.00				
10.00	0.59	0.00	0.00				
10.25	0.63	0.00	0.00				
10.50	0.67	0.00	0.00				
10.75	0.72	0.00	0.00				
11.00	0.78	0.00	0.00				
11.25	0.84	0.00	0.00				
11.50	0.92	0.00	0.00				
11.75	1.10	0.00	0.00				
12.00	1.55	0.00	0.00				
12.25	2.00	0.00	0.01				
12.50	2.18	0.00	0.10				
12.75	2.26	0.01	0.11				
13.00	2.32	0.01	0.10				
13.25	2.38	0.01	0.11				
13.50	2.43	0.02	0.11				
13.75	2.47	0.02	0.11				
14.00	2.51	0.03	0.11				
14.25	2.55	0.03	0.11				
14.50	2.59	0.03	0.11				
14.75	2.62	0.04	0.10				
15.00	2.65	0.04	0.10				
15.25	2.68	0.04	0.10				
15.50	2.70	0.05	0.09				
15.75	2.73	0.05	0.09				
16.00	2.75	0.05	0.08				
16.25	2.77	0.05	0.08				
16.50	2.78	0.06	0.08				
16.75	2.80	0.06	0.07				
17.00	2.82	0.06	0.07				
17.25	2.84	0.06	0.07				
17.50	2.85	0.07	0.06				
17.75	2.86	0.07	0.06				
18.00	2.88	0.07	0.06				

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Subcatchment 20S: Overland runoff to northerly low area

Runoff = 0.68 cfs @ 12.22 hrs, Volume= 0.080 af, Depth> 0.38"
Routed to Link DP : Northerly Low Area

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr Rainfall=3.10"

Area (ac)	CN	Description
* 0.030	98	Roofs
* 0.160	98	Paved Driveways
0.010	74	>75% Grass cover, Good, HSG C
0.900	61	>75% Grass cover, Good, HSG B
0.340	70	Woods, Good, HSG C
1.080	55	Woods, Good, HSG B
2.520	62	Weighted Average
2.330		92.46% Pervious Area
0.190		7.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.1800	0.16		Sheet Flow, Path 1 Woods: Light underbrush n= 0.400 P2= 3.10"
0.4	50	0.0100	2.03		Shallow Concentrated Flow, Path 2 Paved Kv= 20.3 fps
3.0	251	0.0400	1.40		Shallow Concentrated Flow, Path 3 Short Grass Pasture Kv= 7.0 fps
2.8	103	0.0150	0.61		Shallow Concentrated Flow, Path 4 Woodland Kv= 5.0 fps
11.4	454	Total			

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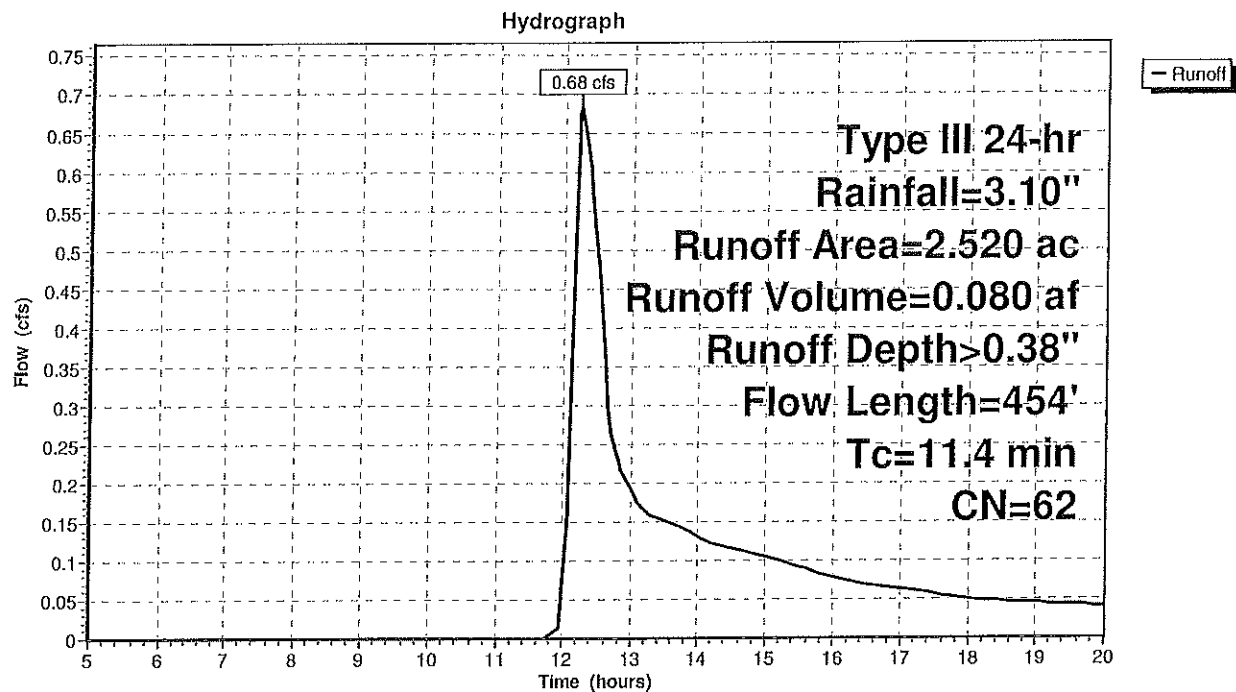
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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Subcatchment 20S: Overland runoff to northerly low area



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Subcatchment 20S: Overland runoff to northerly low area

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.18	0.00	0.00	18.25	2.89	0.36	0.05
5.25	0.19	0.00	0.00	18.50	2.90	0.36	0.05
5.50	0.20	0.00	0.00	18.75	2.91	0.36	0.05
5.75	0.21	0.00	0.00	19.00	2.92	0.37	0.04
6.00	0.22	0.00	0.00	19.25	2.94	0.37	0.04
6.25	0.24	0.00	0.00	19.50	2.95	0.38	0.04
6.50	0.25	0.00	0.00	19.75	2.96	0.38	0.04
6.75	0.26	0.00	0.00	20.00	2.97	0.39	0.04
7.00	0.28	0.00	0.00				
7.25	0.30	0.00	0.00				
7.50	0.32	0.00	0.00				
7.75	0.33	0.00	0.00				
8.00	0.35	0.00	0.00				
8.25	0.37	0.00	0.00				
8.50	0.40	0.00	0.00				
8.75	0.42	0.00	0.00				
9.00	0.45	0.00	0.00				
9.25	0.48	0.00	0.00				
9.50	0.51	0.00	0.00				
9.75	0.55	0.00	0.00				
10.00	0.59	0.00	0.00				
10.25	0.63	0.00	0.00				
10.50	0.67	0.00	0.00				
10.75	0.72	0.00	0.00				
11.00	0.78	0.00	0.00				
11.25	0.84	0.00	0.00				
11.50	0.92	0.00	0.00				
11.75	1.10	0.00	0.00				
12.00	1.55	0.02	0.04				
12.25	2.00	0.09	0.67				
12.50	2.18	0.13	0.48				
12.75	2.26	0.15	0.24				
13.00	2.32	0.17	0.19				
13.25	2.38	0.18	0.16				
13.50	2.43	0.20	0.15				
13.75	2.47	0.21	0.14				
14.00	2.51	0.22	0.13				
14.25	2.55	0.24	0.12				
14.50	2.59	0.25	0.12				
14.75	2.62	0.26	0.11				
15.00	2.65	0.27	0.11				
15.25	2.68	0.28	0.10				
15.50	2.70	0.29	0.09				
15.75	2.73	0.29	0.09				
16.00	2.75	0.30	0.08				
16.25	2.77	0.31	0.07				
16.50	2.78	0.32	0.07				
16.75	2.80	0.32	0.07				
17.00	2.82	0.33	0.06				
17.25	2.84	0.33	0.06				
17.50	2.85	0.34	0.06				
17.75	2.86	0.35	0.05				
18.00	2.88	0.35	0.05				

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Subcatchment 30S: Overland runoff to road

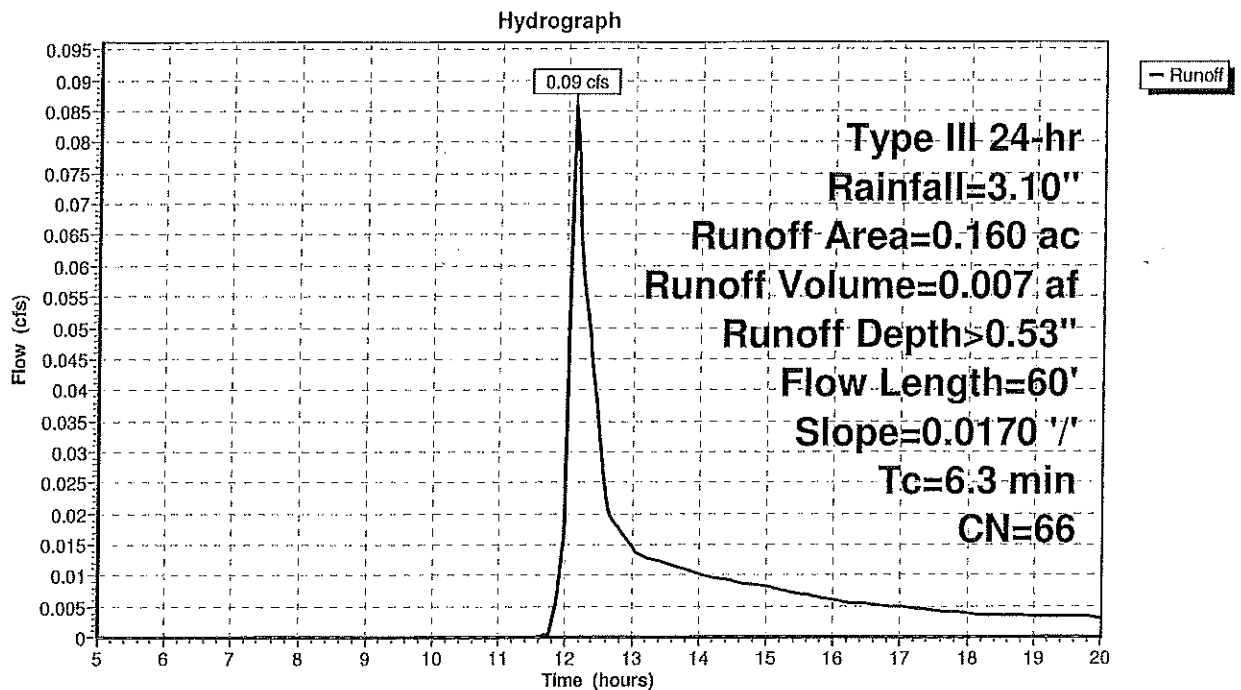
Runoff = 0.09 cfs @ 12.12 hrs, Volume= 0.007 af, Depth> 0.53"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr Rainfall=3.10"

Area (ac)	CN	Description
* 0.020	98	Paved Driveway
0.140	61	>75% Grass cover, Good, HSG B
0.160	66	Weighted Average
0.140		87.50% Pervious Area
0.020		12.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	50	0.0170	0.14		Sheet Flow, Path 1 Grass: Short n= 0.150 P2= 3.10"
0.2	10	0.0170	0.91		Shallow Concentrated Flow, Path 2 Short Grass Pasture Kv= 7.0 fps
6.3	60	Total			

Subcatchment 30S: Overland runoff to road



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Subcatchment 30S: Overland runoff to road

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.18	0.00	0.00	18.25	2.89	0.49	0.00
5.25	0.19	0.00	0.00	18.50	2.90	0.50	0.00
5.50	0.20	0.00	0.00	18.75	2.91	0.50	0.00
5.75	0.21	0.00	0.00	19.00	2.92	0.51	0.00
6.00	0.22	0.00	0.00	19.25	2.94	0.51	0.00
6.25	0.24	0.00	0.00	19.50	2.95	0.52	0.00
6.50	0.25	0.00	0.00	19.75	2.96	0.52	0.00
6.75	0.26	0.00	0.00	20.00	2.97	0.53	0.00
7.00	0.28	0.00	0.00				
7.25	0.30	0.00	0.00				
7.50	0.32	0.00	0.00				
7.75	0.33	0.00	0.00				
8.00	0.35	0.00	0.00				
8.25	0.37	0.00	0.00				
8.50	0.40	0.00	0.00				
8.75	0.42	0.00	0.00				
9.00	0.45	0.00	0.00				
9.25	0.48	0.00	0.00				
9.50	0.51	0.00	0.00				
9.75	0.55	0.00	0.00				
10.00	0.59	0.00	0.00				
10.25	0.63	0.00	0.00				
10.50	0.67	0.00	0.00				
10.75	0.72	0.00	0.00				
11.00	0.78	0.00	0.00				
11.25	0.84	0.00	0.00				
11.50	0.92	0.00	0.00				
11.75	1.10	0.00	0.00				
12.00	1.55	0.05	0.03				
12.25	2.00	0.15	0.06				
12.50	2.18	0.21	0.03				
12.75	2.26	0.24	0.02				
13.00	2.32	0.26	0.01				
13.25	2.38	0.28	0.01				
13.50	2.43	0.30	0.01				
13.75	2.47	0.32	0.01				
14.00	2.51	0.33	0.01				
14.25	2.55	0.35	0.01				
14.50	2.59	0.36	0.01				
14.75	2.62	0.37	0.01				
15.00	2.65	0.39	0.01				
15.25	2.68	0.40	0.01				
15.50	2.70	0.41	0.01				
15.75	2.73	0.42	0.01				
16.00	2.75	0.43	0.01				
16.25	2.77	0.44	0.01				
16.50	2.78	0.45	0.01				
16.75	2.80	0.45	0.01				
17.00	2.82	0.46	0.00				
17.25	2.84	0.47	0.00				
17.50	2.85	0.48	0.00				
17.75	2.86	0.48	0.00				
18.00	2.88	0.49	0.00				

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Subcatchment L5: Lot 5 Roof Runoff

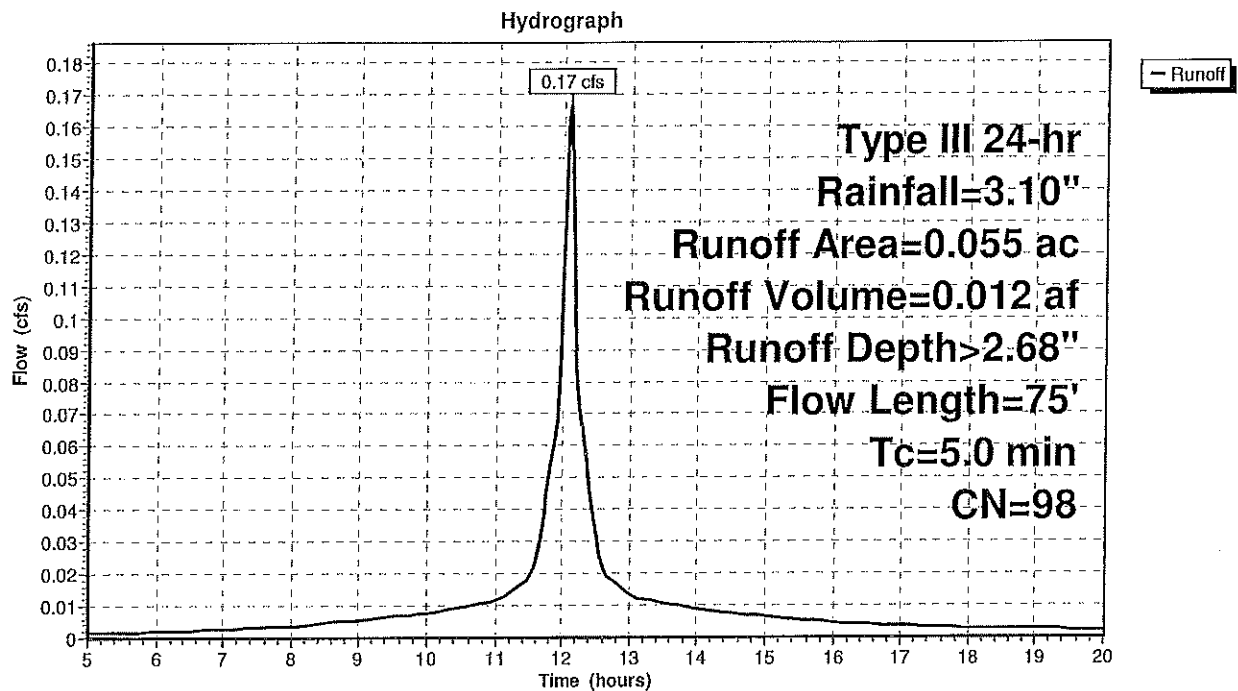
Runoff = 0.17 cfs @ 12.07 hrs, Volume= 0.012 af, Depth> 2.68"
Routed to Pond 5P : Infiltration Chambers

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr Rainfall=3.10"

Area (ac)	CN	Description
0.055	98	Roofs, HSG A
0.055		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	75		0.25		Direct Entry, Path 1

Subcatchment L5: Lot 5 Roof Runoff



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2 Year Storm

Type III 24-hr Rainfall=3.10"

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Hydrograph for Subcatchment L5: Lot 5 Roof Runoff

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.18	0.05	0.00	18.25	2.89	2.66	0.00
5.25	0.19	0.06	0.00	18.50	2.90	2.67	0.00
5.50	0.20	0.07	0.00	18.75	2.91	2.68	0.00
5.75	0.21	0.08	0.00	19.00	2.92	2.69	0.00
6.00	0.22	0.09	0.00	19.25	2.94	2.70	0.00
6.25	0.24	0.10	0.00	19.50	2.95	2.71	0.00
6.50	0.25	0.11	0.00	19.75	2.96	2.72	0.00
6.75	0.26	0.12	0.00	20.00	2.97	2.74	0.00
7.00	0.28	0.13	0.00				
7.25	0.30	0.14	0.00				
7.50	0.32	0.16	0.00				
7.75	0.33	0.17	0.00				
8.00	0.35	0.19	0.00				
8.25	0.37	0.21	0.00				
8.50	0.40	0.23	0.00				
8.75	0.42	0.25	0.01				
9.00	0.45	0.27	0.01				
9.25	0.48	0.30	0.01				
9.50	0.51	0.33	0.01				
9.75	0.55	0.36	0.01				
10.00	0.59	0.40	0.01				
10.25	0.63	0.43	0.01				
10.50	0.67	0.48	0.01				
10.75	0.72	0.52	0.01				
11.00	0.78	0.57	0.01				
11.25	0.84	0.64	0.01				
11.50	0.92	0.72	0.02				
11.75	1.10	0.89	0.05				
12.00	1.55	1.33	0.12				
12.25	2.00	1.77	0.07				
12.50	2.18	1.95	0.03				
12.75	2.26	2.03	0.02				
13.00	2.32	2.10	0.01				
13.25	2.38	2.15	0.01				
13.50	2.43	2.20	0.01				
13.75	2.47	2.24	0.01				
14.00	2.51	2.28	0.01				
14.25	2.55	2.32	0.01				
14.50	2.59	2.36	0.01				
14.75	2.62	2.39	0.01				
15.00	2.65	2.42	0.01				
15.25	2.68	2.45	0.01				
15.50	2.70	2.47	0.01				
15.75	2.73	2.49	0.01				
16.00	2.75	2.52	0.00				
16.25	2.77	2.54	0.00				
16.50	2.78	2.55	0.00				
16.75	2.80	2.57	0.00				
17.00	2.82	2.59	0.00				
17.25	2.84	2.60	0.00				
17.50	2.85	2.62	0.00				
17.75	2.86	2.63	0.00				
18.00	2.88	2.65	0.00				

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Subcatchment L6: Lot 6 Roof Runoff

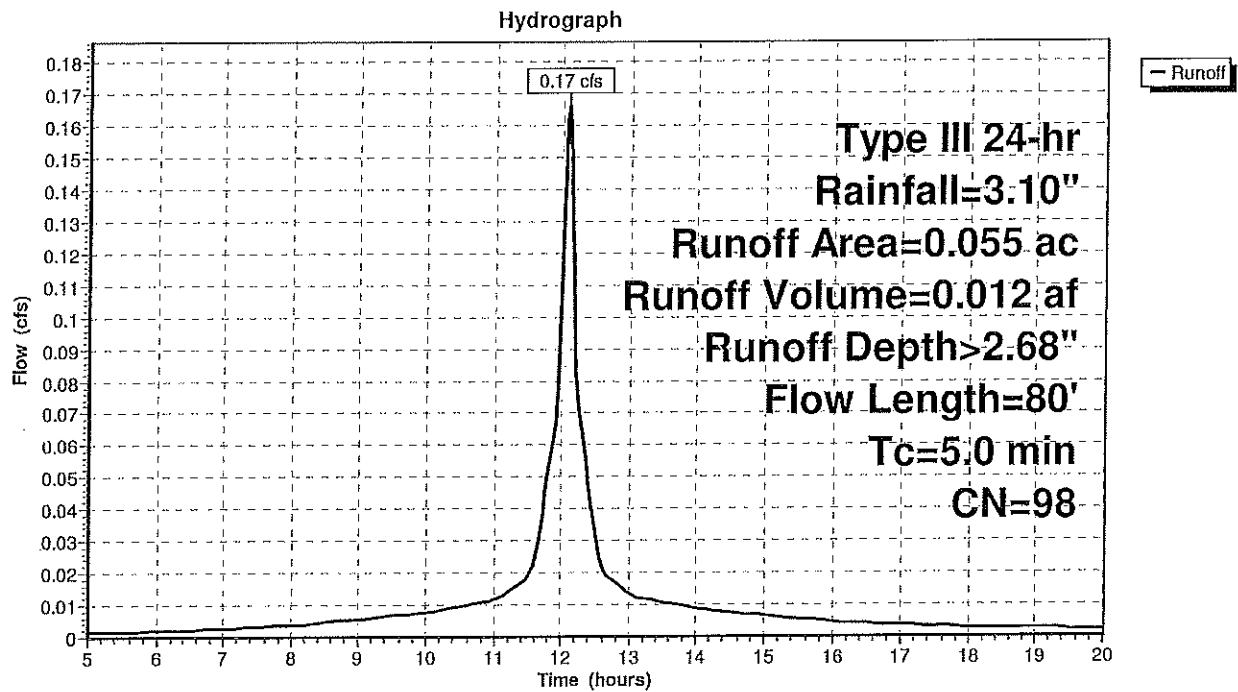
Runoff = 0.17 cfs @ 12.07 hrs, Volume= 0.012 af, Depth> 2.68"
Routed to Pond 6P : Infiltration Chambers

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type III 24-hr Rainfall=3.10"

Area (ac)	CN	Description
0.055	98	Roofs, HSG A
0.055		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	80		0.27		Direct Entry, Path 1

Subcatchment L6: Lot 6 Roof Runoff



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Hydrograph for Subcatchment L6: Lot 6 Roof Runoff

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.18	0.05	0.00	18.25	2.89	2.66	0.00
5.25	0.19	0.06	0.00	18.50	2.90	2.67	0.00
5.50	0.20	0.07	0.00	18.75	2.91	2.68	0.00
5.75	0.21	0.08	0.00	19.00	2.92	2.69	0.00
6.00	0.22	0.09	0.00	19.25	2.94	2.70	0.00
6.25	0.24	0.10	0.00	19.50	2.95	2.71	0.00
6.50	0.25	0.11	0.00	19.75	2.96	2.72	0.00
6.75	0.26	0.12	0.00	20.00	2.97	2.74	0.00
7.00	0.28	0.13	0.00				
7.25	0.30	0.14	0.00				
7.50	0.32	0.16	0.00				
7.75	0.33	0.17	0.00				
8.00	0.35	0.19	0.00				
8.25	0.37	0.21	0.00				
8.50	0.40	0.23	0.00				
8.75	0.42	0.25	0.01				
9.00	0.45	0.27	0.01				
9.25	0.48	0.30	0.01				
9.50	0.51	0.33	0.01				
9.75	0.55	0.36	0.01				
10.00	0.59	0.40	0.01				
10.25	0.63	0.43	0.01				
10.50	0.67	0.48	0.01				
10.75	0.72	0.52	0.01				
11.00	0.78	0.57	0.01				
11.25	0.84	0.64	0.01				
11.50	0.92	0.72	0.02				
11.75	1.10	0.89	0.05				
12.00	1.55	1.33	0.12				
12.25	2.00	1.77	0.07				
12.50	2.18	1.95	0.03				
12.75	2.26	2.03	0.02				
13.00	2.32	2.10	0.01				
13.25	2.38	2.15	0.01				
13.50	2.43	2.20	0.01				
13.75	2.47	2.24	0.01				
14.00	2.51	2.28	0.01				
14.25	2.55	2.32	0.01				
14.50	2.59	2.36	0.01				
14.75	2.62	2.39	0.01				
15.00	2.65	2.42	0.01				
15.25	2.68	2.45	0.01				
15.50	2.70	2.47	0.01				
15.75	2.73	2.49	0.01				
16.00	2.75	2.52	0.00				
16.25	2.77	2.54	0.00				
16.50	2.78	2.55	0.00				
16.75	2.80	2.57	0.00				
17.00	2.82	2.59	0.00				
17.25	2.84	2.60	0.00				
17.50	2.85	2.62	0.00				
17.75	2.86	2.63	0.00				
18.00	2.88	2.65	0.00				

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Pond 4P: Pond - on site

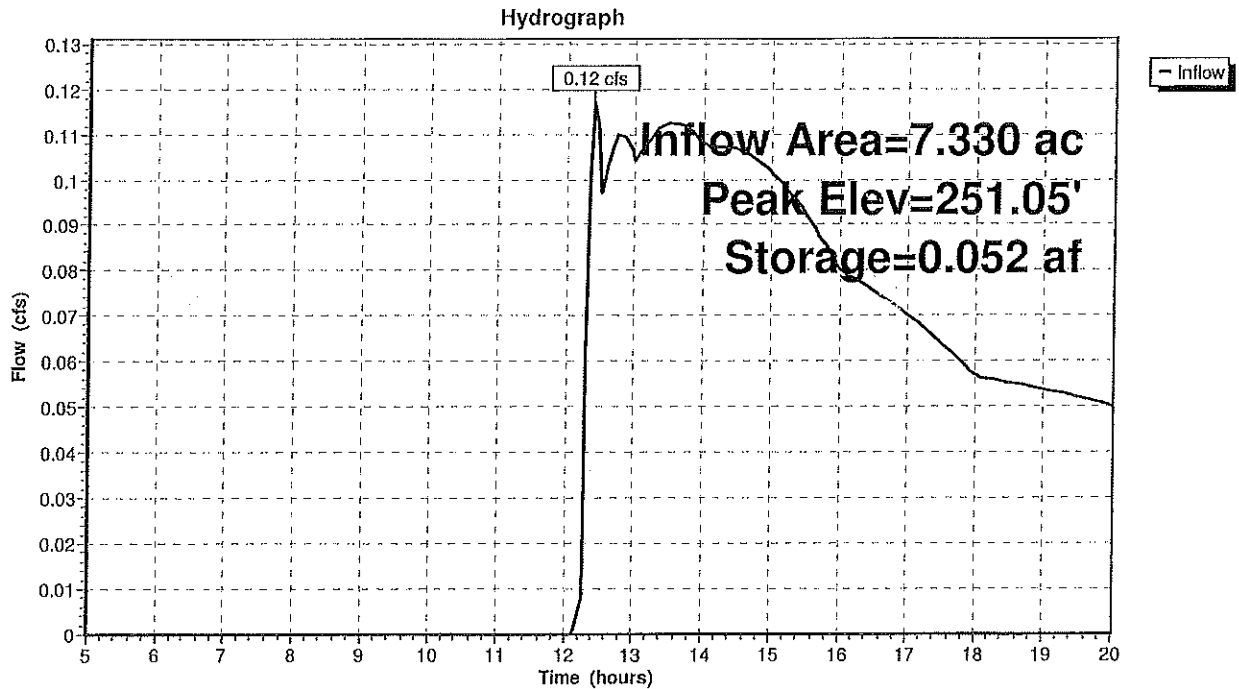
Inflow Area = 7.330 ac, 18.96% Impervious, Inflow Depth > 0.09"
Inflow = 0.12 cfs @ 12.41 hrs, Volume= 0.052 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 251.05' @ 20.00 hrs Surf.Area= 1.023 ac Storage= 0.052 af

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	251.00'	2.160 af	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
251.00	1.020	0.000	0.000
252.00	1.080	1.050	1.050
253.00	1.140	1.110	2.160

Pond 4P: Pond - on site



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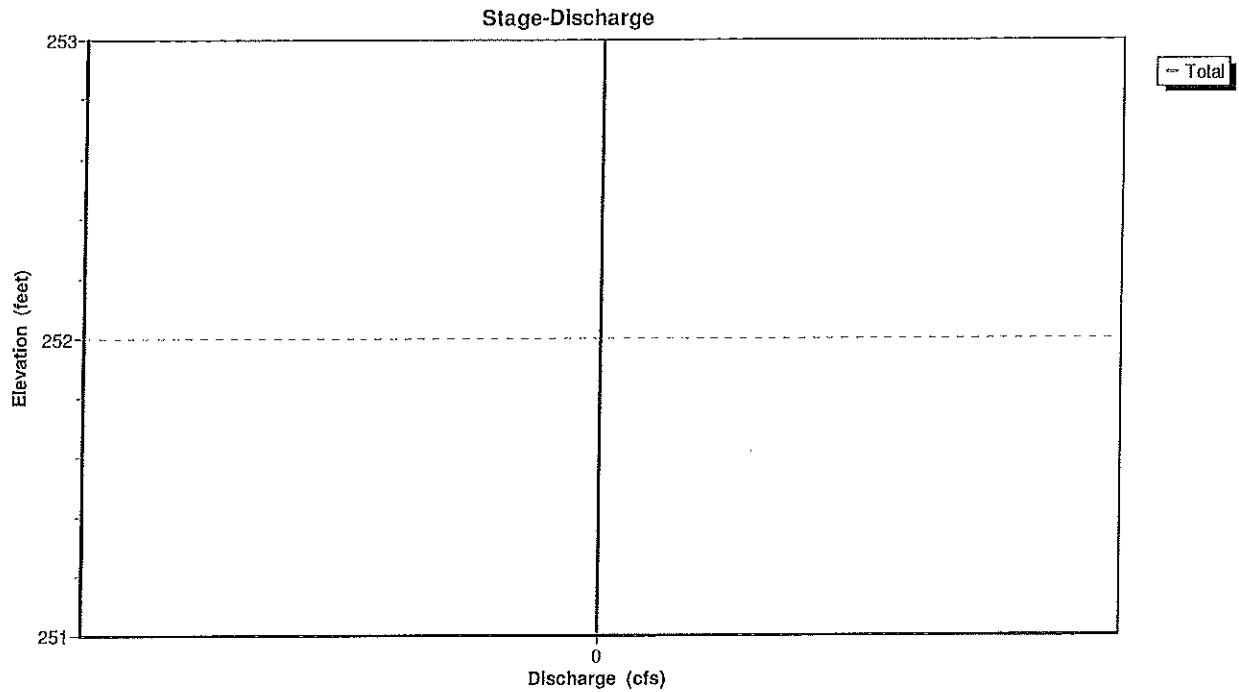
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2 Year Storm
Type III 24-hr Rainfall=3.10"

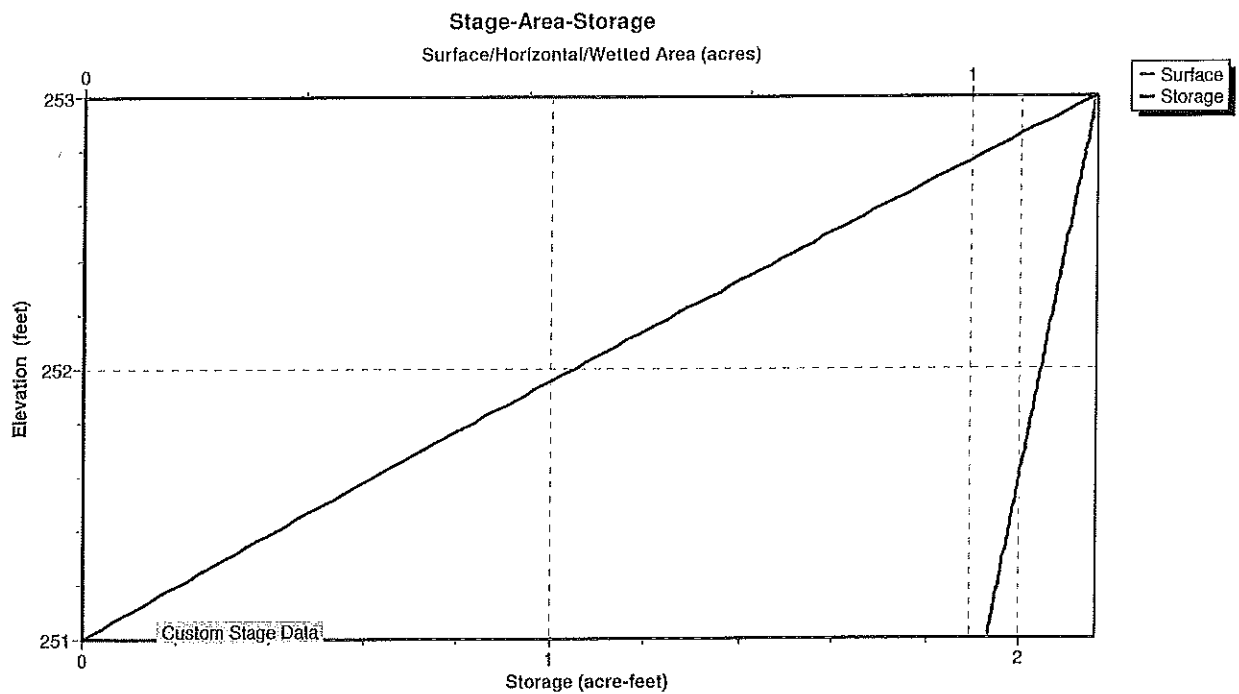
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Pond 4P: Pond - on site



Pond 4P: Pond - on site



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Pond 4P: Pond - on site

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)
5.00	0.00	0.000	251.00	18.25	0.06	0.044	251.04
5.25	0.00	0.000	251.00	18.50	0.06	0.045	251.04
5.50	0.00	0.000	251.00	18.75	0.05	0.047	251.05
5.75	0.00	0.000	251.00	19.00	0.05	0.048	251.05
6.00	0.00	0.000	251.00	19.25	0.05	0.049	251.05
6.25	0.00	0.000	251.00	19.50	0.05	0.050	251.05
6.50	0.00	0.000	251.00	19.75	0.05	0.051	251.05
6.75	0.00	0.000	251.00	20.00	0.05	0.052	251.05
7.00	0.00	0.000	251.00				
7.25	0.00	0.000	251.00				
7.50	0.00	0.000	251.00				
7.75	0.00	0.000	251.00				
8.00	0.00	0.000	251.00				
8.25	0.00	0.000	251.00				
8.50	0.00	0.000	251.00				
8.75	0.00	0.000	251.00				
9.00	0.00	0.000	251.00				
9.25	0.00	0.000	251.00				
9.50	0.00	0.000	251.00				
9.75	0.00	0.000	251.00				
10.00	0.00	0.000	251.00				
10.25	0.00	0.000	251.00				
10.50	0.00	0.000	251.00				
10.75	0.00	0.000	251.00				
11.00	0.00	0.000	251.00				
11.25	0.00	0.000	251.00				
11.50	0.00	0.000	251.00				
11.75	0.00	0.000	251.00				
12.00	0.00	0.000	251.00				
12.25	0.01	0.000	251.00				
12.50	0.10	0.002	251.00				
12.75	0.11	0.004	251.00				
13.00	0.10	0.006	251.01				
13.25	0.11	0.008	251.01				
13.50	0.11	0.011	251.01				
13.75	0.11	0.013	251.01				
14.00	0.11	0.015	251.02				
14.25	0.11	0.018	251.02				
14.50	0.11	0.020	251.02				
14.75	0.10	0.022	251.02				
15.00	0.10	0.024	251.02				
15.25	0.10	0.026	251.03				
15.50	0.09	0.028	251.03				
15.75	0.09	0.030	251.03				
16.00	0.08	0.032	251.03				
16.25	0.08	0.033	251.03				
16.50	0.08	0.035	251.03				
16.75	0.07	0.036	251.04				
17.00	0.07	0.038	251.04				
17.25	0.07	0.039	251.04				
17.50	0.06	0.041	251.04				
17.75	0.06	0.042	251.04				
18.00	0.06	0.043	251.04				

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2 Year Storm
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Stage-Discharge for Pond 4P: Pond - on site

Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)
251.00	0.00	251.53	0.00	252.06	0.00	252.59	0.00
251.01	0.00	251.54	0.00	252.07	0.00	252.60	0.00
251.02	0.00	251.55	0.00	252.08	0.00	252.61	0.00
251.03	0.00	251.56	0.00	252.09	0.00	252.62	0.00
251.04	0.00	251.57	0.00	252.10	0.00	252.63	0.00
251.05	0.00	251.58	0.00	252.11	0.00	252.64	0.00
251.06	0.00	251.59	0.00	252.12	0.00	252.65	0.00
251.07	0.00	251.60	0.00	252.13	0.00	252.66	0.00
251.08	0.00	251.61	0.00	252.14	0.00	252.67	0.00
251.09	0.00	251.62	0.00	252.15	0.00	252.68	0.00
251.10	0.00	251.63	0.00	252.16	0.00	252.69	0.00
251.11	0.00	251.64	0.00	252.17	0.00	252.70	0.00
251.12	0.00	251.65	0.00	252.18	0.00	252.71	0.00
251.13	0.00	251.66	0.00	252.19	0.00	252.72	0.00
251.14	0.00	251.67	0.00	252.20	0.00	252.73	0.00
251.15	0.00	251.68	0.00	252.21	0.00	252.74	0.00
251.16	0.00	251.69	0.00	252.22	0.00	252.75	0.00
251.17	0.00	251.70	0.00	252.23	0.00	252.76	0.00
251.18	0.00	251.71	0.00	252.24	0.00	252.77	0.00
251.19	0.00	251.72	0.00	252.25	0.00	252.78	0.00
251.20	0.00	251.73	0.00	252.26	0.00	252.79	0.00
251.21	0.00	251.74	0.00	252.27	0.00	252.80	0.00
251.22	0.00	251.75	0.00	252.28	0.00	252.81	0.00
251.23	0.00	251.76	0.00	252.29	0.00	252.82	0.00
251.24	0.00	251.77	0.00	252.30	0.00	252.83	0.00
251.25	0.00	251.78	0.00	252.31	0.00	252.84	0.00
251.26	0.00	251.79	0.00	252.32	0.00	252.85	0.00
251.27	0.00	251.80	0.00	252.33	0.00	252.86	0.00
251.28	0.00	251.81	0.00	252.34	0.00	252.87	0.00
251.29	0.00	251.82	0.00	252.35	0.00	252.88	0.00
251.30	0.00	251.83	0.00	252.36	0.00	252.89	0.00
251.31	0.00	251.84	0.00	252.37	0.00	252.90	0.00
251.32	0.00	251.85	0.00	252.38	0.00	252.91	0.00
251.33	0.00	251.86	0.00	252.39	0.00	252.92	0.00
251.34	0.00	251.87	0.00	252.40	0.00	252.93	0.00
251.35	0.00	251.88	0.00	252.41	0.00	252.94	0.00
251.36	0.00	251.89	0.00	252.42	0.00	252.95	0.00
251.37	0.00	251.90	0.00	252.43	0.00	252.96	0.00
251.38	0.00	251.91	0.00	252.44	0.00	252.97	0.00
251.39	0.00	251.92	0.00	252.45	0.00	252.98	0.00
251.40	0.00	251.93	0.00	252.46	0.00	252.99	0.00
251.41	0.00	251.94	0.00	252.47	0.00	253.00	0.00
251.42	0.00	251.95	0.00	252.48	0.00		
251.43	0.00	251.96	0.00	252.49	0.00		
251.44	0.00	251.97	0.00	252.50	0.00		
251.45	0.00	251.98	0.00	252.51	0.00		
251.46	0.00	251.99	0.00	252.52	0.00		
251.47	0.00	252.00	0.00	252.53	0.00		
251.48	0.00	252.01	0.00	252.54	0.00		
251.49	0.00	252.02	0.00	252.55	0.00		
251.50	0.00	252.03	0.00	252.56	0.00		
251.51	0.00	252.04	0.00	252.57	0.00		
251.52	0.00	252.05	0.00	252.58	0.00		

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Stage-Area-Storage for Pond 4P: Pond - on site

Elevation (feet)	Surface (acres)	Storage (acre-feet)	Elevation (feet)	Surface (acres)	Storage (acre-feet)
251.00	1.020	0.000	252.06	1.084	1.115
251.02	1.021	0.020	252.08	1.085	1.137
251.04	1.022	0.041	252.10	1.086	1.158
251.06	1.024	0.061	252.12	1.087	1.180
251.08	1.025	0.082	252.14	1.088	1.202
251.10	1.026	0.102	252.16	1.090	1.224
251.12	1.027	0.123	252.18	1.091	1.245
251.14	1.028	0.143	252.20	1.092	1.267
251.16	1.030	0.164	252.22	1.093	1.289
251.18	1.031	0.185	252.24	1.094	1.311
251.20	1.032	0.205	252.26	1.096	1.333
251.22	1.033	0.226	252.28	1.097	1.355
251.24	1.034	0.247	252.30	1.098	1.377
251.26	1.036	0.267	252.32	1.099	1.399
251.28	1.037	0.288	252.34	1.100	1.421
251.30	1.038	0.309	252.36	1.102	1.443
251.32	1.039	0.329	252.38	1.103	1.465
251.34	1.040	0.350	252.40	1.104	1.487
251.36	1.042	0.371	252.42	1.105	1.509
251.38	1.043	0.392	252.44	1.106	1.531
251.40	1.044	0.413	252.46	1.108	1.553
251.42	1.045	0.434	252.48	1.109	1.575
251.44	1.046	0.455	252.50	1.110	1.598
251.46	1.048	0.476	252.52	1.111	1.620
251.48	1.049	0.497	252.54	1.112	1.642
251.50	1.050	0.517	252.56	1.114	1.664
251.52	1.051	0.539	252.58	1.115	1.686
251.54	1.052	0.560	252.60	1.116	1.709
251.56	1.054	0.581	252.62	1.117	1.731
251.58	1.055	0.602	252.64	1.118	1.753
251.60	1.056	0.623	252.66	1.120	1.776
251.62	1.057	0.644	252.68	1.121	1.798
251.64	1.058	0.665	252.70	1.122	1.821
251.66	1.060	0.686	252.72	1.123	1.843
251.68	1.061	0.707	252.74	1.124	1.866
251.70	1.062	0.729	252.76	1.126	1.888
251.72	1.063	0.750	252.78	1.127	1.911
251.74	1.064	0.771	252.80	1.128	1.933
251.76	1.066	0.793	252.82	1.129	1.956
251.78	1.067	0.814	252.84	1.130	1.978
251.80	1.068	0.835	252.86	1.132	2.001
251.82	1.069	0.857	252.88	1.133	2.024
251.84	1.070	0.878	252.90	1.134	2.046
251.86	1.072	0.899	252.92	1.135	2.069
251.88	1.073	0.921	252.94	1.136	2.092
251.90	1.074	0.942	252.96	1.138	2.114
251.92	1.075	0.964	252.98	1.139	2.137
251.94	1.076	0.985	253.00	1.140	2.160
251.96	1.078	1.007			
251.98	1.079	1.028			
252.00	1.080	1.050			
252.02	1.081	1.072			
252.04	1.082	1.093			

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Pond 5P: Infiltration Chambers

Inflow Area = 0.055 ac, 100.00% Impervious, Inflow Depth > 2.68"
Inflow = 0.17 cfs @ 12.07 hrs, Volume= 0.012 af
Outflow = 0.02 cfs @ 11.65 hrs, Volume= 0.012 af, Atten= 88%, Lag= 0.0 min
Secondary = 0.02 cfs @ 11.65 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 0.52' @ 12.66 hrs Surf.Area= 0.008 ac Storage= 0.004 af

Plug-Flow detention time= 67.0 min calculated for 0.012 af (100% of inflow)
Center-of-Mass det. time= 65.9 min (804.0 - 738.1)

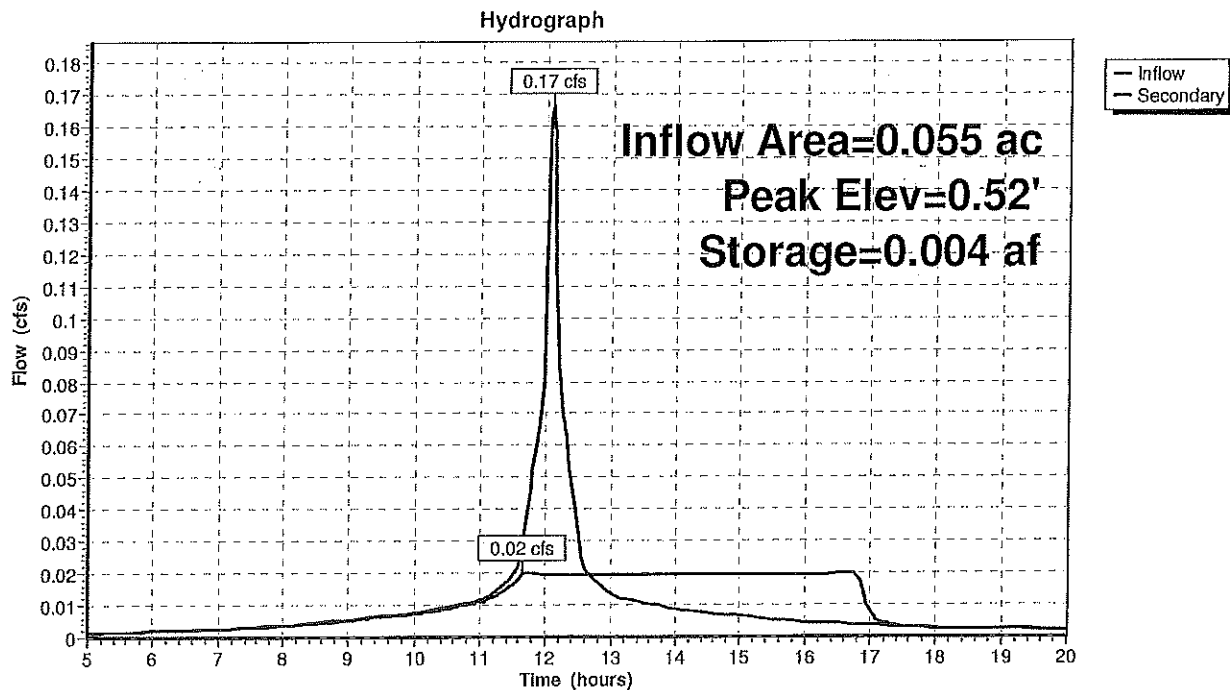
Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.015 af	Cultec R-330XLHD x 12 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 4 rows

Device	Routing	Invert	Outlet Devices
#1	Secondary	0.00'	2.410 in/hr Exfiltration over Surface area

Secondary OutFlow Max=0.02 cfs @ 11.65 hrs HW=0.03' (Free Discharge)

↑1=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 5P: Infiltration Chambers



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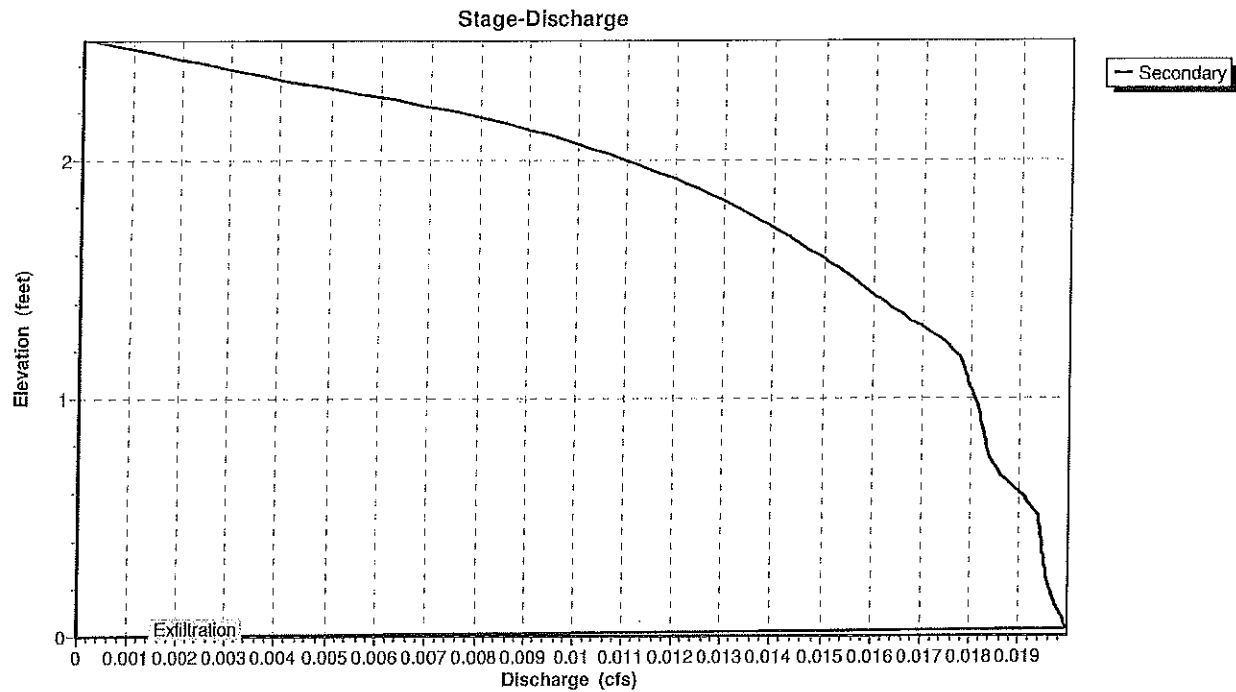
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2 Year Storm
Type III 24-hr Rainfall=3.10"

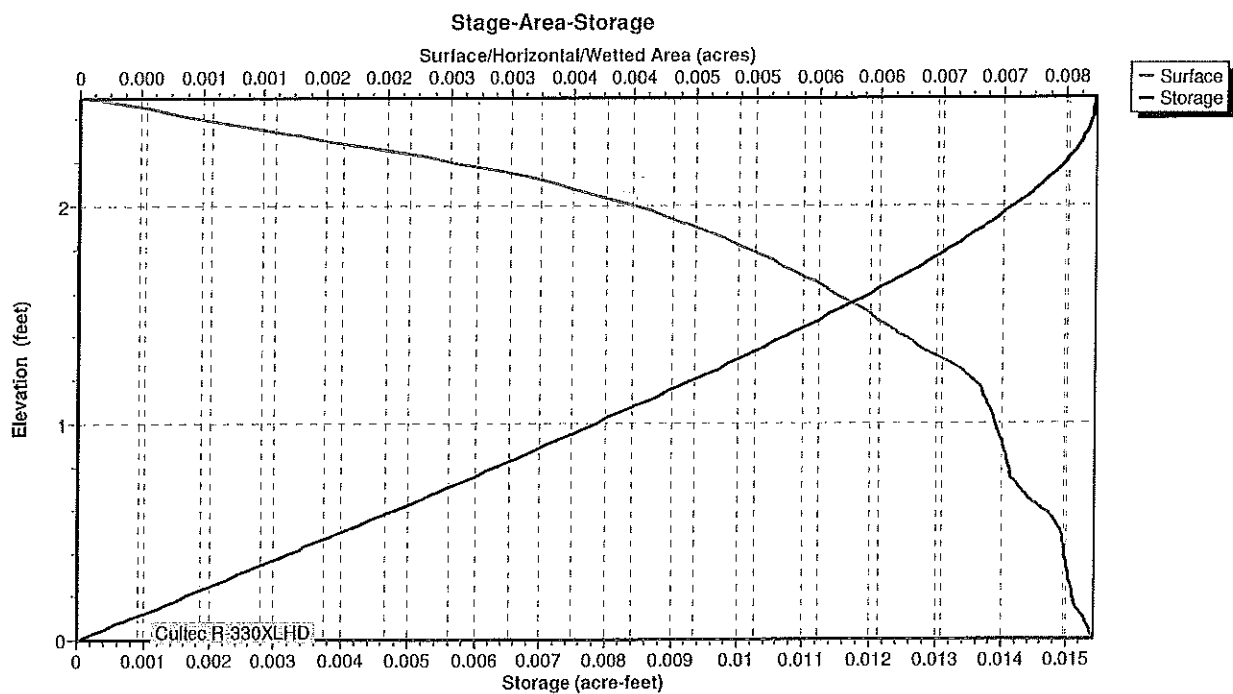
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Pond 5P: Infiltration Chambers



Pond 5P: Infiltration Chambers



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Pond 5P: Infiltration Chambers

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Secondary (cfs)
5.00	0.00	0.000	0.00	0.00
5.50	0.00	0.000	0.00	0.00
6.00	0.00	0.000	0.00	0.00
6.50	0.00	0.000	0.00	0.00
7.00	0.00	0.000	0.00	0.00
7.50	0.00	0.000	0.00	0.00
8.00	0.00	0.000	0.00	0.00
8.50	0.00	0.000	0.01	0.00
9.00	0.01	0.000	0.01	0.01
9.50	0.01	0.000	0.01	0.01
10.00	0.01	0.000	0.01	0.01
10.50	0.01	0.000	0.01	0.01
11.00	0.01	0.000	0.01	0.01
11.50	0.02	0.000	0.02	0.02
12.00	0.12	0.001	0.17	0.02
12.50	0.03	0.004	0.52	0.02
13.00	0.01	0.004	0.51	0.02
13.50	0.01	0.004	0.47	0.02
14.00	0.01	0.003	0.42	0.02
14.50	0.01	0.003	0.36	0.02
15.00	0.01	0.002	0.30	0.02
15.50	0.01	0.002	0.23	0.02
16.00	0.00	0.001	0.16	0.02
16.50	0.00	0.001	0.08	0.02
17.00	0.00	0.000	0.01	0.01
17.50	0.00	0.000	0.00	0.00
18.00	0.00	0.000	0.00	0.00
18.50	0.00	0.000	0.00	0.00
19.00	0.00	0.000	0.00	0.00
19.50	0.00	0.000	0.00	0.00
20.00	0.00	0.000	0.00	0.00

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Stage-Discharge for Pond 5P: Infiltration Chambers

Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)
0.00	0.00	1.06	0.02	2.12	0.01
0.02	0.02	1.08	0.02	2.14	0.01
0.04	0.02	1.10	0.02	2.16	0.01
0.06	0.02	1.12	0.02	2.18	0.01
0.08	0.02	1.14	0.02	2.20	0.01
0.10	0.02	1.16	0.02	2.22	0.01
0.12	0.02	1.18	0.02	2.24	0.01
0.14	0.02	1.20	0.02	2.26	0.01
0.16	0.02	1.22	0.02	2.28	0.01
0.18	0.02	1.24	0.02	2.30	0.00
0.20	0.02	1.26	0.02	2.32	0.00
0.22	0.02	1.28	0.02	2.34	0.00
0.24	0.02	1.30	0.02	2.36	0.00
0.26	0.02	1.32	0.02	2.38	0.00
0.28	0.02	1.34	0.02	2.40	0.00
0.30	0.02	1.36	0.02	2.42	0.00
0.32	0.02	1.38	0.02	2.44	0.00
0.34	0.02	1.40	0.02	2.46	0.00
0.36	0.02	1.42	0.02	2.48	0.00
0.38	0.02	1.44	0.02	2.50	0.00
0.40	0.02	1.46	0.02		
0.42	0.02	1.48	0.02		
0.44	0.02	1.50	0.02		
0.46	0.02	1.52	0.02		
0.48	0.02	1.54	0.02		
0.50	0.02	1.56	0.02		
0.52	0.02	1.58	0.02		
0.54	0.02	1.60	0.01		
0.56	0.02	1.62	0.01		
0.58	0.02	1.64	0.01		
0.60	0.02	1.66	0.01		
0.62	0.02	1.68	0.01		
0.64	0.02	1.70	0.01		
0.66	0.02	1.72	0.01		
0.68	0.02	1.74	0.01		
0.70	0.02	1.76	0.01		
0.72	0.02	1.78	0.01		
0.74	0.02	1.80	0.01		
0.76	0.02	1.82	0.01		
0.78	0.02	1.84	0.01		
0.80	0.02	1.86	0.01		
0.82	0.02	1.88	0.01		
0.84	0.02	1.90	0.01		
0.86	0.02	1.92	0.01		
0.88	0.02	1.94	0.01		
0.90	0.02	1.96	0.01		
0.92	0.02	1.98	0.01		
0.94	0.02	2.00	0.01		
0.96	0.02	2.02	0.01		
0.98	0.02	2.04	0.01		
1.00	0.02	2.06	0.01		
1.02	0.02	2.08	0.01		
1.04	0.02	2.10	0.01		

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Stage-Area-Storage for Pond 5P: Infiltration Chambers

Elevation (feet)	Surface (acres)	Storage (acre-feet)
0.00	0.008	0.000
0.05	0.008	0.000
0.10	0.008	0.001
0.15	0.008	0.001
0.20	0.008	0.002
0.25	0.008	0.002
0.30	0.008	0.002
0.35	0.008	0.003
0.40	0.008	0.003
0.45	0.008	0.004
0.50	0.008	0.004
0.55	0.008	0.004
0.60	0.008	0.005
0.65	0.008	0.005
0.70	0.008	0.006
0.75	0.008	0.006
0.80	0.008	0.006
0.85	0.008	0.007
0.90	0.007	0.007
0.95	0.007	0.007
1.00	0.007	0.008
1.05	0.007	0.008
1.10	0.007	0.009
1.15	0.007	0.009
1.20	0.007	0.009
1.25	0.007	0.010
1.30	0.007	0.010
1.35	0.007	0.010
1.40	0.007	0.011
1.45	0.007	0.011
1.50	0.006	0.011
1.55	0.006	0.012
1.60	0.006	0.012
1.65	0.006	0.012
1.70	0.006	0.013
1.75	0.006	0.013
1.80	0.005	0.013
1.85	0.005	0.013
1.90	0.005	0.014
1.95	0.005	0.014
2.00	0.005	0.014
2.05	0.004	0.014
2.10	0.004	0.015
2.15	0.004	0.015
2.20	0.003	0.015
2.25	0.003	0.015
2.30	0.002	0.015
2.35	0.002	0.015
2.40	0.001	0.015
2.45	0.001	0.015
2.50	0.000	0.015

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Summary for Pond 6P: Infiltration Chambers

Inflow Area = 0.055 ac, 100.00% Impervious, Inflow Depth > 2.68"
Inflow = 0.17 cfs @ 12.07 hrs, Volume= 0.012 af
Outflow = 0.02 cfs @ 11.65 hrs, Volume= 0.012 af, Atten= 88%, Lag= 0.0 min
Secondary = 0.02 cfs @ 11.65 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 0.52' @ 12.66 hrs Surf.Area= 0.008 ac Storage= 0.004 af

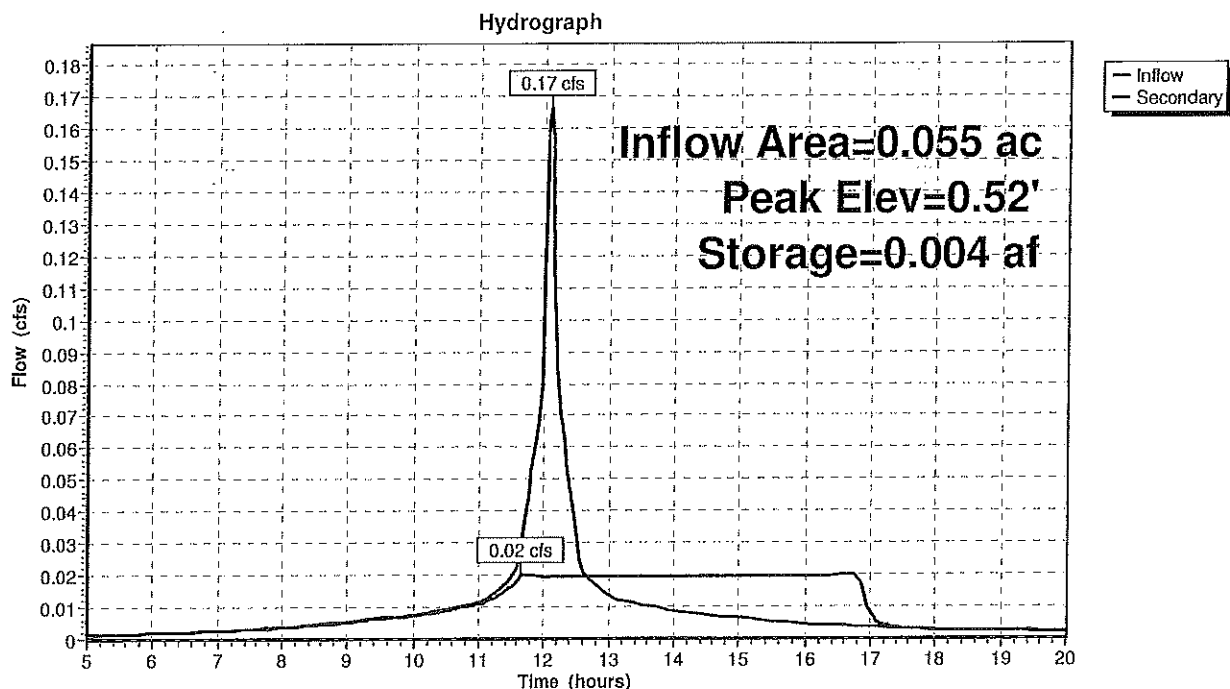
Plug-Flow detention time= 67.0 min calculated for 0.012 af (100% of inflow)
Center-of-Mass det. time= 65.9 min (804.0 - 738.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.015 af	Cultec R-330XLHD x 12 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 4 rows

Device	Routing	Invert	Outlet Devices
#1	Secondary	0.00'	2.410 in/hr Exfiltration over Surface area

Secondary OutFlow Max=0.02 cfs @ 11.65 hrs HW=0.03' (Free Discharge)
↑1=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 6P: Infiltration Chambers



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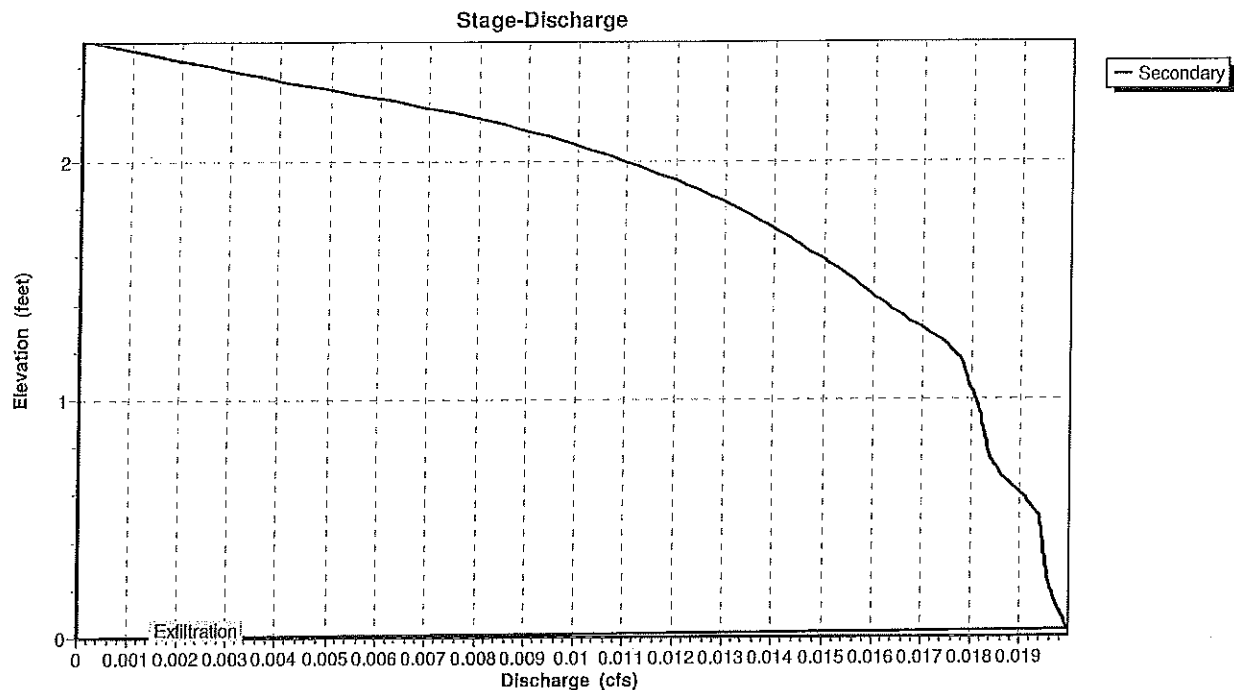
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2 Year Storm
Type III 24-hr Rainfall=3.10"

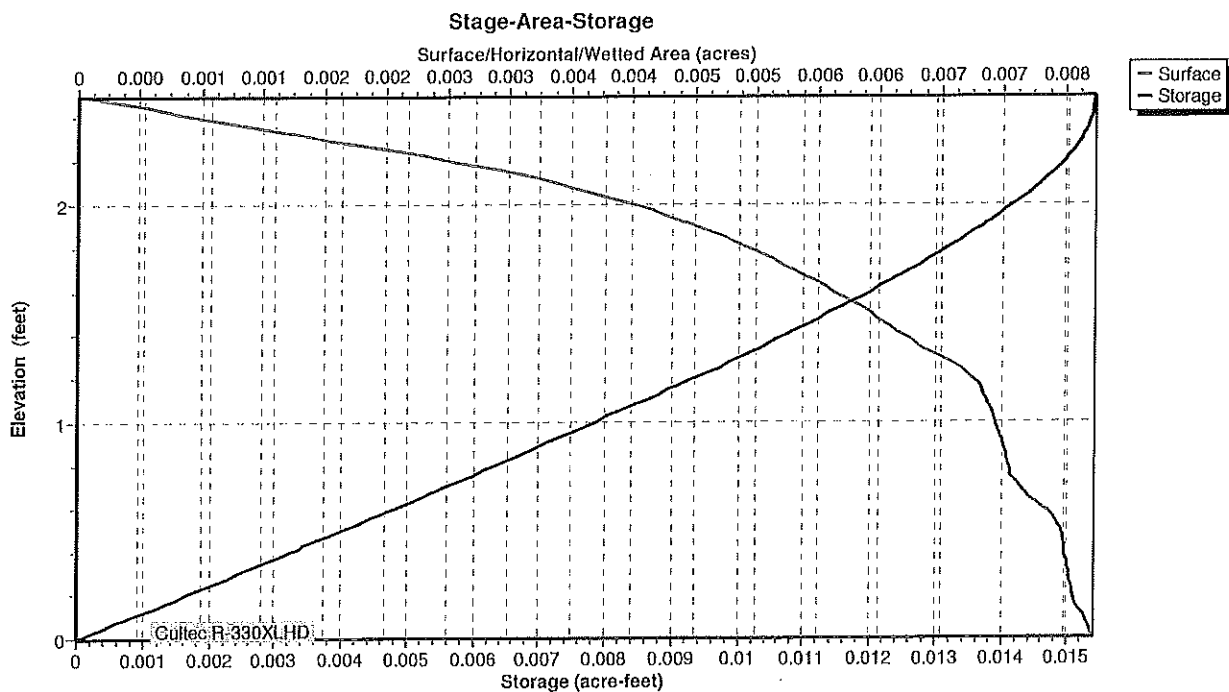
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Pond 6P: Infiltration Chambers



Pond 6P: Infiltration Chambers



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Pond 6P: Infiltration Chambers

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Secondary (cfs)
5.00	0.00	0.000	0.00	0.00
5.50	0.00	0.000	0.00	0.00
6.00	0.00	0.000	0.00	0.00
6.50	0.00	0.000	0.00	0.00
7.00	0.00	0.000	0.00	0.00
7.50	0.00	0.000	0.00	0.00
8.00	0.00	0.000	0.00	0.00
8.50	0.00	0.000	0.01	0.00
9.00	0.01	0.000	0.01	0.01
9.50	0.01	0.000	0.01	0.01
10.00	0.01	0.000	0.01	0.01
10.50	0.01	0.000	0.01	0.01
11.00	0.01	0.000	0.01	0.01
11.50	0.02	0.000	0.02	0.02
12.00	0.12	0.001	0.17	0.02
12.50	0.03	0.004	0.52	0.02
13.00	0.01	0.004	0.51	0.02
13.50	0.01	0.004	0.47	0.02
14.00	0.01	0.003	0.42	0.02
14.50	0.01	0.003	0.36	0.02
15.00	0.01	0.002	0.30	0.02
15.50	0.01	0.002	0.23	0.02
16.00	0.00	0.001	0.16	0.02
16.50	0.00	0.001	0.08	0.02
17.00	0.00	0.000	0.01	0.01
17.50	0.00	0.000	0.00	0.00
18.00	0.00	0.000	0.00	0.00
18.50	0.00	0.000	0.00	0.00
19.00	0.00	0.000	0.00	0.00
19.50	0.00	0.000	0.00	0.00
20.00	0.00	0.000	0.00	0.00

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Stage-Discharge for Pond 6P: Infiltration Chambers

Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)
0.00	0.00	1.06	0.02	2.12	0.01
0.02	0.02	1.08	0.02	2.14	0.01
0.04	0.02	1.10	0.02	2.16	0.01
0.06	0.02	1.12	0.02	2.18	0.01
0.08	0.02	1.14	0.02	2.20	0.01
0.10	0.02	1.16	0.02	2.22	0.01
0.12	0.02	1.18	0.02	2.24	0.01
0.14	0.02	1.20	0.02	2.26	0.01
0.16	0.02	1.22	0.02	2.28	0.01
0.18	0.02	1.24	0.02	2.30	0.00
0.20	0.02	1.26	0.02	2.32	0.00
0.22	0.02	1.28	0.02	2.34	0.00
0.24	0.02	1.30	0.02	2.36	0.00
0.26	0.02	1.32	0.02	2.38	0.00
0.28	0.02	1.34	0.02	2.40	0.00
0.30	0.02	1.36	0.02	2.42	0.00
0.32	0.02	1.38	0.02	2.44	0.00
0.34	0.02	1.40	0.02	2.46	0.00
0.36	0.02	1.42	0.02	2.48	0.00
0.38	0.02	1.44	0.02	2.50	0.00
0.40	0.02	1.46	0.02		
0.42	0.02	1.48	0.02		
0.44	0.02	1.50	0.02		
0.46	0.02	1.52	0.02		
0.48	0.02	1.54	0.02		
0.50	0.02	1.56	0.02		
0.52	0.02	1.58	0.02		
0.54	0.02	1.60	0.01		
0.56	0.02	1.62	0.01		
0.58	0.02	1.64	0.01		
0.60	0.02	1.66	0.01		
0.62	0.02	1.68	0.01		
0.64	0.02	1.70	0.01		
0.66	0.02	1.72	0.01		
0.68	0.02	1.74	0.01		
0.70	0.02	1.76	0.01		
0.72	0.02	1.78	0.01		
0.74	0.02	1.80	0.01		
0.76	0.02	1.82	0.01		
0.78	0.02	1.84	0.01		
0.80	0.02	1.86	0.01		
0.82	0.02	1.88	0.01		
0.84	0.02	1.90	0.01		
0.86	0.02	1.92	0.01		
0.88	0.02	1.94	0.01		
0.90	0.02	1.96	0.01		
0.92	0.02	1.98	0.01		
0.94	0.02	2.00	0.01		
0.96	0.02	2.02	0.01		
0.98	0.02	2.04	0.01		
1.00	0.02	2.06	0.01		
1.02	0.02	2.08	0.01		
1.04	0.02	2.10	0.01		

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Stage-Area-Storage for Pond 6P: Infiltration Chambers

Elevation (feet)	Surface (acres)	Storage (acre-feet)
0.00	0.008	0.000
0.05	0.008	0.000
0.10	0.008	0.001
0.15	0.008	0.001
0.20	0.008	0.002
0.25	0.008	0.002
0.30	0.008	0.002
0.35	0.008	0.003
0.40	0.008	0.003
0.45	0.008	0.004
0.50	0.008	0.004
0.55	0.008	0.004
0.60	0.008	0.005
0.65	0.008	0.005
0.70	0.008	0.006
0.75	0.008	0.006
0.80	0.008	0.006
0.85	0.008	0.007
0.90	0.007	0.007
0.95	0.007	0.007
1.00	0.007	0.008
1.05	0.007	0.008
1.10	0.007	0.009
1.15	0.007	0.009
1.20	0.007	0.009
1.25	0.007	0.010
1.30	0.007	0.010
1.35	0.007	0.010
1.40	0.007	0.011
1.45	0.007	0.011
1.50	0.006	0.011
1.55	0.006	0.012
1.60	0.006	0.012
1.65	0.006	0.012
1.70	0.006	0.013
1.75	0.006	0.013
1.80	0.005	0.013
1.85	0.005	0.013
1.90	0.005	0.014
1.95	0.005	0.014
2.00	0.005	0.014
2.05	0.004	0.014
2.10	0.004	0.015
2.15	0.004	0.015
2.20	0.003	0.015
2.25	0.003	0.015
2.30	0.002	0.015
2.35	0.002	0.015
2.40	0.001	0.015
2.45	0.001	0.015
2.50	0.000	0.015

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2 Year Storm
Type III 24-hr Rainfall=3.10"

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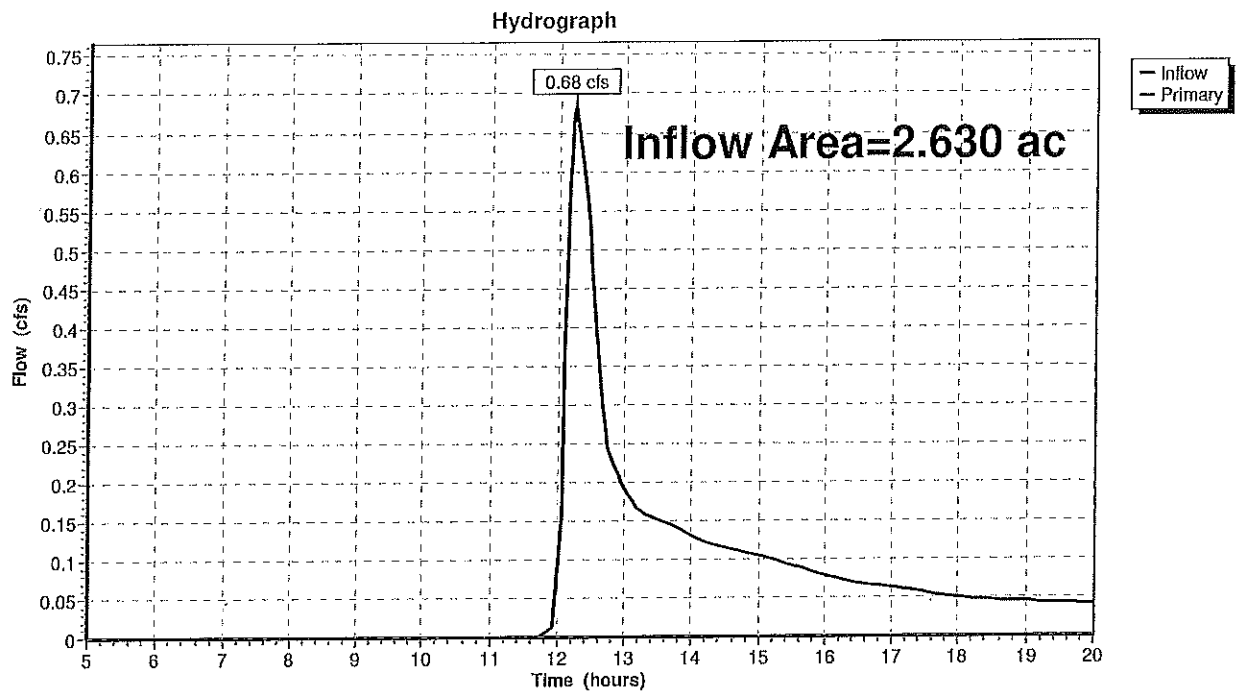
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Summary for Link DP: Northerly Low Area

Inflow Area = 2.630 ac, 11.41% Impervious, Inflow Depth > 0.37"
Inflow = 0.68 cfs @ 12.22 hrs, Volume= 0.080 af
Primary = 0.68 cfs @ 12.22 hrs, Volume= 0.080 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP: Northerly Low Area



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2 Year Storm
Type III 24-hr Rainfall=3.10"

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Hydrograph for Link DP: Northerly Low Area

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.00	0.00	18.25	0.05	0.00	0.05
5.25	0.00	0.00	0.00	18.50	0.05	0.00	0.05
5.50	0.00	0.00	0.00	18.75	0.05	0.00	0.05
5.75	0.00	0.00	0.00	19.00	0.04	0.00	0.04
6.00	0.00	0.00	0.00	19.25	0.04	0.00	0.04
6.25	0.00	0.00	0.00	19.50	0.04	0.00	0.04
6.50	0.00	0.00	0.00	19.75	0.04	0.00	0.04
6.75	0.00	0.00	0.00	20.00	0.04	0.00	0.04
7.00	0.00	0.00	0.00				
7.25	0.00	0.00	0.00				
7.50	0.00	0.00	0.00				
7.75	0.00	0.00	0.00				
8.00	0.00	0.00	0.00				
8.25	0.00	0.00	0.00				
8.50	0.00	0.00	0.00				
8.75	0.00	0.00	0.00				
9.00	0.00	0.00	0.00				
9.25	0.00	0.00	0.00				
9.50	0.00	0.00	0.00				
9.75	0.00	0.00	0.00				
10.00	0.00	0.00	0.00				
10.25	0.00	0.00	0.00				
10.50	0.00	0.00	0.00				
10.75	0.00	0.00	0.00				
11.00	0.00	0.00	0.00				
11.25	0.00	0.00	0.00				
11.50	0.00	0.00	0.00				
11.75	0.00	0.00	0.00				
12.00	0.04	0.00	0.04				
12.25	0.67	0.00	0.67				
12.50	0.48	0.00	0.48				
12.75	0.24	0.00	0.24				
13.00	0.19	0.00	0.19				
13.25	0.16	0.00	0.16				
13.50	0.15	0.00	0.15				
13.75	0.14	0.00	0.14				
14.00	0.13	0.00	0.13				
14.25	0.12	0.00	0.12				
14.50	0.12	0.00	0.12				
14.75	0.11	0.00	0.11				
15.00	0.11	0.00	0.11				
15.25	0.10	0.00	0.10				
15.50	0.09	0.00	0.09				
15.75	0.09	0.00	0.09				
16.00	0.08	0.00	0.08				
16.25	0.07	0.00	0.07				
16.50	0.07	0.00	0.07				
16.75	0.07	0.00	0.07				
17.00	0.06	0.00	0.06				
17.25	0.06	0.00	0.06				
17.50	0.06	0.00	0.06				
17.75	0.05	0.00	0.05				
18.00	0.05	0.00	0.05				

PROPOSED CONDITIONS

10 YEAR STORM

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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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 10S: Overland runoff to pond Runoff Area=7.330 ac 18.96% Impervious Runoff Depth>0.43"
Tc=0.0 min CN=50 Runoff=2.45 cfs 0.264 af

Subcatchment 20S: Overland runoff to northerly Runoff Area=2.520 ac 7.54% Impervious Runoff Depth>1.03"
Flow Length=454' Tc=11.4 min CN=62 Runoff=2.44 cfs 0.215 af

Subcatchment 30S: Overland runoff to road Runoff Area=0.160 ac 12.50% Impervious Runoff Depth>1.27"
Flow Length=60' Slope=0.0170 '/' Tc=6.3 min CN=66 Runoff=0.24 cfs 0.017 af

Subcatchment L5: Lot 5 Roof Runoff Runoff Area=0.055 ac 100.00% Impervious Runoff Depth>3.96"
Flow Length=75' Tc=5.0 min CN=98 Runoff=0.24 cfs 0.018 af

Subcatchment L6: Lot 6 Roof Runoff Runoff Area=0.055 ac 100.00% Impervious Runoff Depth>3.96"
Flow Length=80' Tc=5.0 min CN=98 Runoff=0.24 cfs 0.018 af

Pond 4P: Pond - on site Peak Elev=251.26' Storage=0.264 af Inflow=2.45 cfs 0.264 af
Outflow=0.00 cfs 0.000 af

Pond 5P: Infiltration Chambers Peak Elev=0.92' Storage=0.007 af Inflow=0.24 cfs 0.018 af
Outflow=0.02 cfs 0.018 af

Pond 6P: Infiltration Chambers Peak Elev=0.92' Storage=0.007 af Inflow=0.24 cfs 0.018 af
Outflow=0.02 cfs 0.018 af

Link DP: Northerly Low Area Inflow=2.44 cfs 0.215 af
Primary=2.44 cfs 0.215 af

Total Runoff Area = 10.120 ac Runoff Volume = 0.533 af Average Runoff Depth = 0.63"
83.10% Pervious = 8.410 ac 16.90% Impervious = 1.710 ac

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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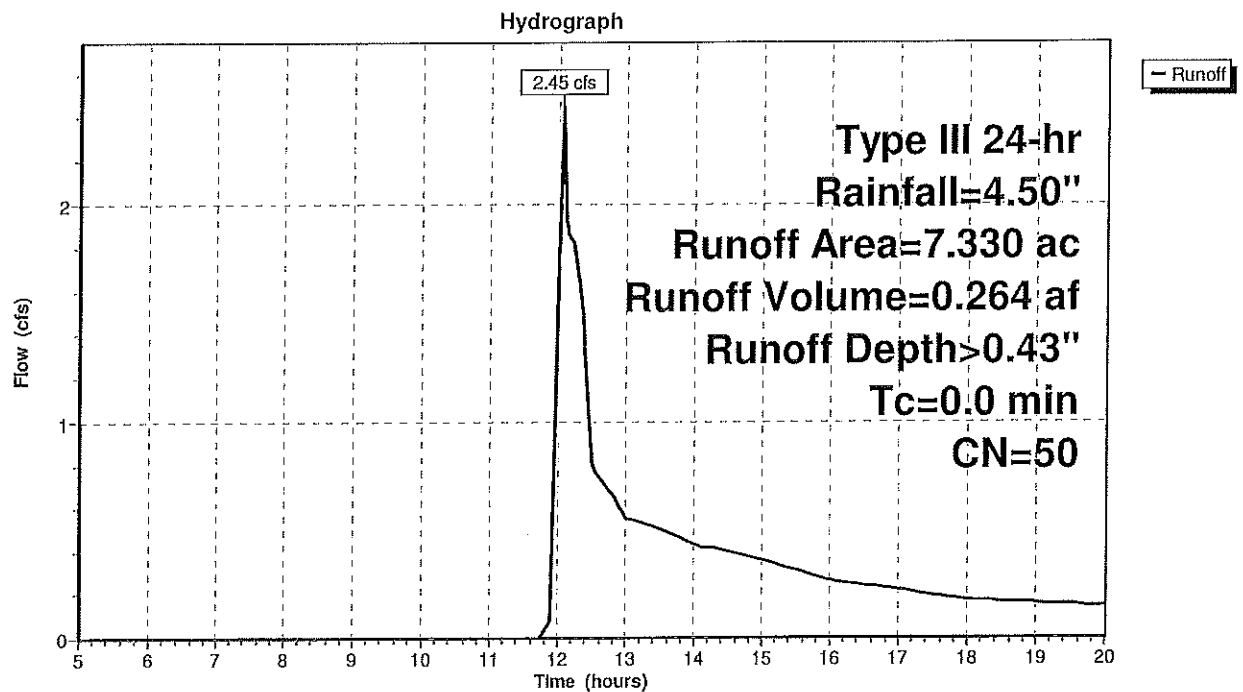
Summary for Subcatchment 10S: Overland runoff to pond

Runoff = 2.45 cfs @ 12.05 hrs, Volume= 0.264 af, Depth> 0.43"
Routed to Pond 4P : Pond - on site

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

	Area (ac)	CN	Description
*	0.220	98	Roofs
*	0.170	98	Paved Driveways
	0.870	39	>75% Grass cover, Good, HSG A
	0.440	61	>75% Grass cover, Good, HSG B
	0.050	74	>75% Grass cover, Good, HSG C
*	1.000	98	Water Surface
	3.730	30	Woods, Good, HSG A
	0.150	55	Woods, Good, HSG B
	0.700	70	Woods, Good, HSG C
	7.330	50	Weighted Average
	5.940		81.04% Pervious Area
	1.390		18.96% Impervious Area

Subcatchment 10S: Overland runoff to pond



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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Hydrograph for Subcatchment 10S: Overland runoff to pond

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.26	0.00	0.00	18.25	4.19	0.39	0.17
5.25	0.27	0.00	0.00	18.50	4.21	0.40	0.17
5.50	0.29	0.00	0.00	18.75	4.23	0.41	0.16
5.75	0.31	0.00	0.00	19.00	4.24	0.41	0.16
6.00	0.32	0.00	0.00	19.25	4.26	0.42	0.16
6.25	0.34	0.00	0.00	19.50	4.28	0.42	0.15
6.50	0.36	0.00	0.00	19.75	4.29	0.43	0.15
6.75	0.38	0.00	0.00	20.00	4.31	0.43	0.15
7.00	0.41	0.00	0.00				
7.25	0.43	0.00	0.00				
7.50	0.46	0.00	0.00				
7.75	0.48	0.00	0.00				
8.00	0.51	0.00	0.00				
8.25	0.54	0.00	0.00				
8.50	0.58	0.00	0.00				
8.75	0.62	0.00	0.00				
9.00	0.66	0.00	0.00				
9.25	0.70	0.00	0.00				
9.50	0.75	0.00	0.00				
9.75	0.80	0.00	0.00				
10.00	0.85	0.00	0.00				
10.25	0.91	0.00	0.00				
10.50	0.97	0.00	0.00				
10.75	1.05	0.00	0.00				
11.00	1.13	0.00	0.00				
11.25	1.22	0.00	0.00				
11.50	1.34	0.00	0.00				
11.75	1.60	0.00	0.00				
12.00	2.25	0.01	1.78				
12.25	2.90	0.07	1.79				
12.50	3.16	0.12	0.81				
12.75	3.28	0.15	0.68				
13.00	3.37	0.17	0.55				
13.25	3.45	0.18	0.53				
13.50	3.53	0.20	0.50				
13.75	3.59	0.22	0.47				
14.00	3.65	0.23	0.43				
14.25	3.70	0.25	0.41				
14.50	3.75	0.26	0.40				
14.75	3.80	0.27	0.38				
15.00	3.84	0.29	0.36				
15.25	3.88	0.30	0.34				
15.50	3.92	0.31	0.31				
15.75	3.96	0.32	0.29				
16.00	3.99	0.33	0.26				
16.25	4.02	0.34	0.25				
16.50	4.04	0.35	0.24				
16.75	4.07	0.35	0.23				
17.00	4.09	0.36	0.22				
17.25	4.12	0.37	0.21				
17.50	4.14	0.38	0.20				
17.75	4.16	0.38	0.19				
18.00	4.18	0.39	0.17				

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Summary for Subcatchment 20S: Overland runoff to northerly low area

Runoff = 2.44 cfs @ 12.18 hrs, Volume= 0.215 af, Depth> 1.03"
 Routed to Link DP : Northerly Low Area

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

Area (ac)	CN	Description
* 0.030	98	Roofs
* 0.160	98	Paved Driveways
0.010	74	>75% Grass cover, Good, HSG C
0.900	61	>75% Grass cover, Good, HSG B
0.340	70	Woods, Good, HSG C
1.080	55	Woods, Good, HSG B
2.520	62	Weighted Average
2.330		92.46% Pervious Area
0.190		7.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.2	50	0.1800	0.16		Sheet Flow, Path 1 Woods: Light underbrush n= 0.400 P2= 3.10"
0.4	50	0.0100	2.03		Shallow Concentrated Flow, Path 2 Paved Kv= 20.3 fps
3.0	251	0.0400	1.40		Shallow Concentrated Flow, Path 3 Short Grass Pasture Kv= 7.0 fps
2.8	103	0.0150	0.61		Shallow Concentrated Flow, Path 4 Woodland Kv= 5.0 fps
11.4	454	Total			

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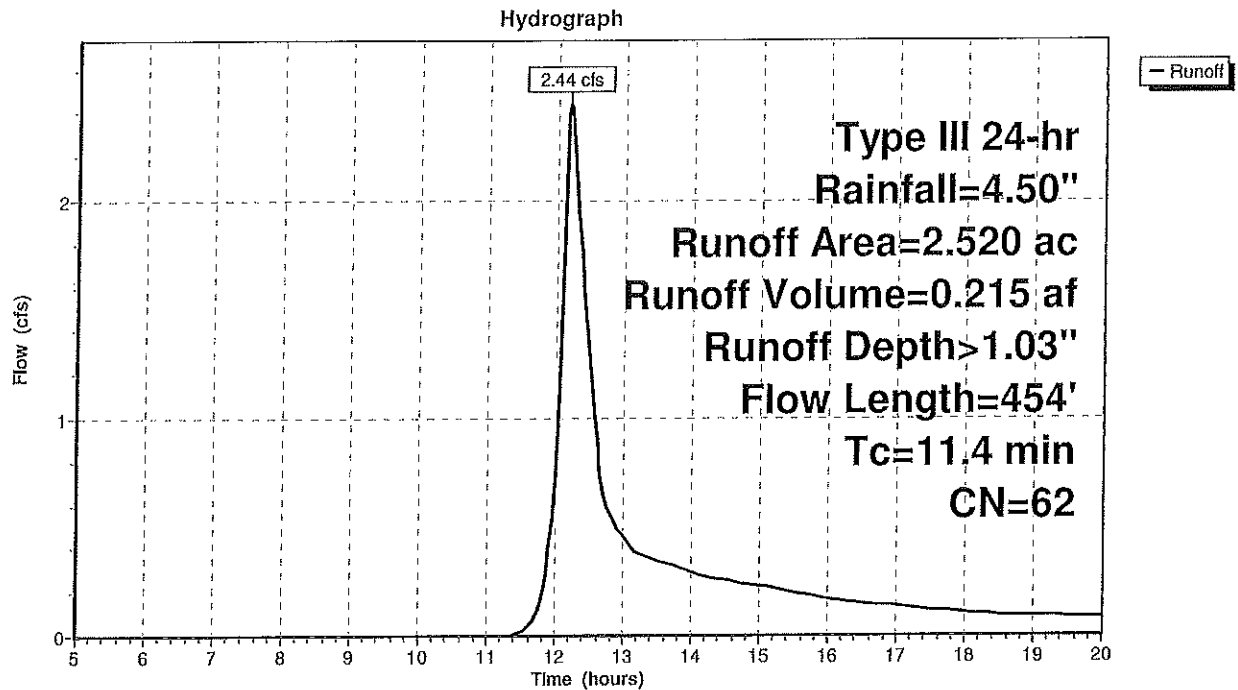
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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Subcatchment 20S: Overland runoff to northerly low area



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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Hydrograph for Subcatchment 20S: Overland runoff to northerly low area

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.26	0.00	0.00	18.25	4.19	0.97	0.10
5.25	0.27	0.00	0.00	18.50	4.21	0.98	0.10
5.50	0.29	0.00	0.00	18.75	4.23	0.99	0.09
5.75	0.31	0.00	0.00	19.00	4.24	1.00	0.09
6.00	0.32	0.00	0.00	19.25	4.26	1.01	0.09
6.25	0.34	0.00	0.00	19.50	4.28	1.01	0.09
6.50	0.36	0.00	0.00	19.75	4.29	1.02	0.09
6.75	0.38	0.00	0.00	20.00	4.31	1.03	0.08
7.00	0.41	0.00	0.00				
7.25	0.43	0.00	0.00				
7.50	0.46	0.00	0.00				
7.75	0.48	0.00	0.00				
8.00	0.51	0.00	0.00				
8.25	0.54	0.00	0.00				
8.50	0.58	0.00	0.00				
8.75	0.62	0.00	0.00				
9.00	0.66	0.00	0.00				
9.25	0.70	0.00	0.00				
9.50	0.75	0.00	0.00				
9.75	0.80	0.00	0.00				
10.00	0.85	0.00	0.00				
10.25	0.91	0.00	0.00				
10.50	0.97	0.00	0.00				
10.75	1.05	0.00	0.00				
11.00	1.13	0.00	0.00				
11.25	1.22	0.00	0.00				
11.50	1.34	0.00	0.01				
11.75	1.60	0.02	0.13				
12.00	2.25	0.15	0.78				
12.25	2.90	0.36	2.19				
12.50	3.16	0.46	1.24				
12.75	3.28	0.52	0.59				
13.00	3.37	0.56	0.45				
13.25	3.45	0.59	0.37				
13.50	3.53	0.63	0.35				
13.75	3.59	0.66	0.32				
14.00	3.65	0.69	0.29				
14.25	3.70	0.71	0.27				
14.50	3.75	0.74	0.26				
14.75	3.80	0.76	0.24				
15.00	3.84	0.78	0.23				
15.25	3.88	0.80	0.21				
15.50	3.92	0.82	0.20				
15.75	3.96	0.84	0.18				
16.00	3.99	0.86	0.17				
16.25	4.02	0.87	0.15				
16.50	4.04	0.89	0.15				
16.75	4.07	0.90	0.14				
17.00	4.09	0.91	0.13				
17.25	4.12	0.93	0.13				
17.50	4.14	0.94	0.12				
17.75	4.16	0.95	0.11				
18.00	4.18	0.96	0.10				

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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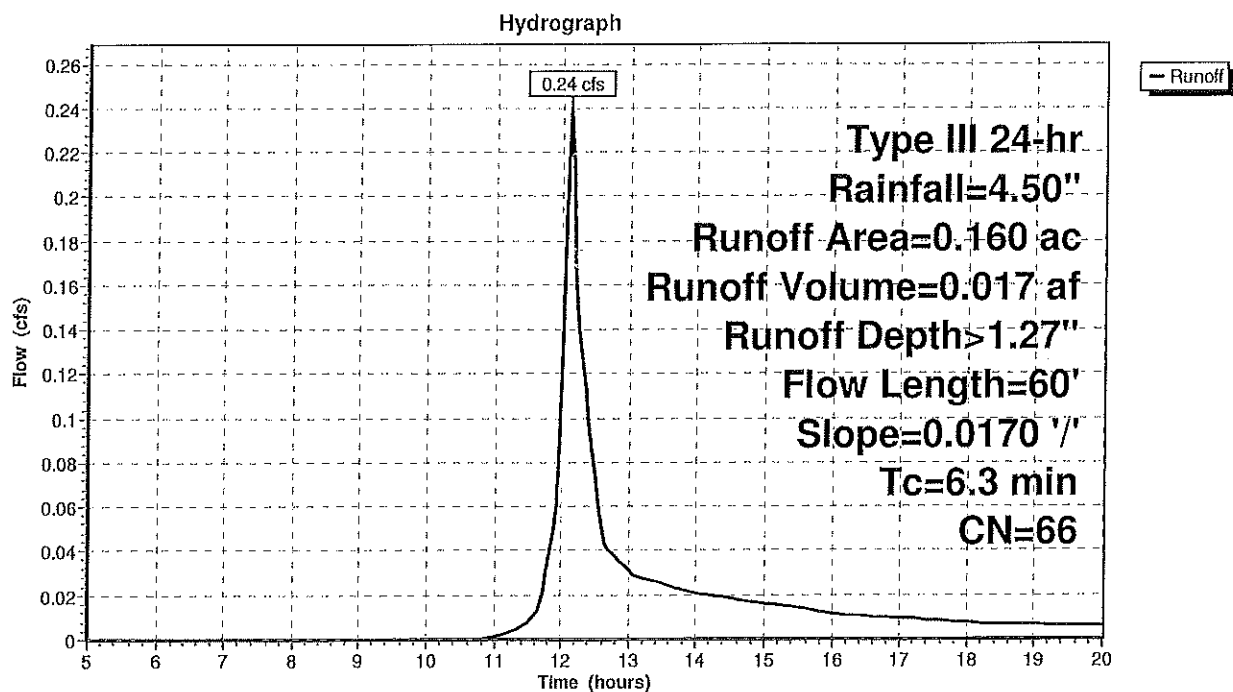
Summary for Subcatchment 30S: Overland runoff to road

Runoff = 0.24 cfs @ 12.10 hrs, Volume= 0.017 af, Depth> 1.27"

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

Area (ac)	CN	Description
* 0.020	98	Paved Driveway
0.140	61	>75% Grass cover, Good, HSG B
0.160	66	Weighted Average
0.140		87.50% Pervious Area
0.020		12.50% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.1	50	0.0170	0.14		Sheet Flow, Path 1 Grass: Short n= 0.150 P2= 3.10"
0.2	10	0.0170	0.91		Shallow Concentrated Flow, Path 2 Short Grass Pasture Kv= 7.0 fps
6.3	60	Total			

Subcatchment 30S: Overland runoff to road

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Hydrograph for Subcatchment 30S: Overland runoff to road

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.26	0.00	0.00	18.25	4.19	1.20	0.01
5.25	0.27	0.00	0.00	18.50	4.21	1.21	0.01
5.50	0.29	0.00	0.00	18.75	4.23	1.22	0.01
5.75	0.31	0.00	0.00	19.00	4.24	1.24	0.01
6.00	0.32	0.00	0.00	19.25	4.26	1.25	0.01
6.25	0.34	0.00	0.00	19.50	4.28	1.25	0.01
6.50	0.36	0.00	0.00	19.75	4.29	1.26	0.01
6.75	0.38	0.00	0.00	20.00	4.31	1.27	0.01
7.00	0.41	0.00	0.00				
7.25	0.43	0.00	0.00				
7.50	0.46	0.00	0.00				
7.75	0.48	0.00	0.00				
8.00	0.51	0.00	0.00				
8.25	0.54	0.00	0.00				
8.50	0.58	0.00	0.00				
8.75	0.62	0.00	0.00				
9.00	0.66	0.00	0.00				
9.25	0.70	0.00	0.00				
9.50	0.75	0.00	0.00				
9.75	0.80	0.00	0.00				
10.00	0.85	0.00	0.00				
10.25	0.91	0.00	0.00				
10.50	0.97	0.00	0.00				
10.75	1.05	0.00	0.00				
11.00	1.13	0.00	0.00				
11.25	1.22	0.01	0.00				
11.50	1.34	0.02	0.01				
11.75	1.60	0.06	0.03				
12.00	2.25	0.23	0.12				
12.25	2.90	0.50	0.14				
12.50	3.16	0.62	0.07				
12.75	3.28	0.68	0.04				
13.00	3.37	0.73	0.03				
13.25	3.45	0.78	0.03				
13.50	3.53	0.81	0.02				
13.75	3.59	0.85	0.02				
14.00	3.65	0.88	0.02				
14.25	3.70	0.91	0.02				
14.50	3.75	0.94	0.02				
14.75	3.80	0.97	0.02				
15.00	3.84	0.99	0.02				
15.25	3.88	1.02	0.02				
15.50	3.92	1.04	0.01				
15.75	3.96	1.06	0.01				
16.00	3.99	1.08	0.01				
16.25	4.02	1.10	0.01				
16.50	4.04	1.11	0.01				
16.75	4.07	1.13	0.01				
17.00	4.09	1.14	0.01				
17.25	4.12	1.16	0.01				
17.50	4.14	1.17	0.01				
17.75	4.16	1.18	0.01				
18.00	4.18	1.19	0.01				

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Type III 24-hr Rainfall=4.50"

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Summary for Subcatchment L5: Lot 5 Roof Runoff

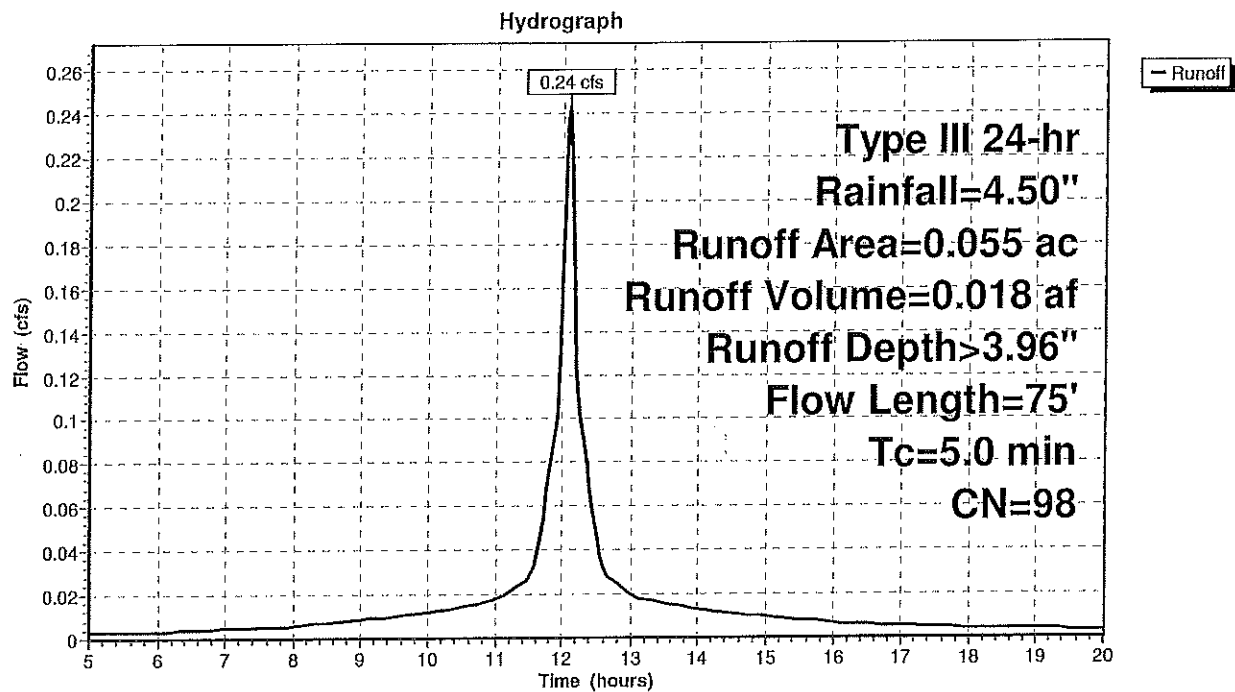
Runoff = 0.24 cfs @ 12.07 hrs, Volume= 0.018 af, Depth> 3.96"
Routed to Pond 5P : Infiltration Chambers

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

Area (ac)	CN	Description
0.055	98	Roofs, HSG A
0.055		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	75		0.25		Direct Entry, Path 1

Subcatchment L5: Lot 5 Roof Runoff



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Hydrograph for Subcatchment L5: Lot 5 Roof Runoff

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.26	0.11	0.00	18.25	4.19	3.96	0.00
5.25	0.27	0.12	0.00	18.50	4.21	3.98	0.00
5.50	0.29	0.14	0.00	18.75	4.23	3.99	0.00
5.75	0.31	0.15	0.00	19.00	4.24	4.01	0.00
6.00	0.32	0.16	0.00	19.25	4.26	4.03	0.00
6.25	0.34	0.18	0.00	19.50	4.28	4.04	0.00
6.50	0.36	0.20	0.00	19.75	4.29	4.06	0.00
6.75	0.38	0.22	0.00	20.00	4.31	4.07	0.00
7.00	0.41	0.24	0.00				
7.25	0.43	0.26	0.00				
7.50	0.46	0.28	0.01				
7.75	0.48	0.30	0.01				
8.00	0.51	0.33	0.01				
8.25	0.54	0.36	0.01				
8.50	0.58	0.39	0.01				
8.75	0.62	0.42	0.01				
9.00	0.66	0.46	0.01				
9.25	0.70	0.50	0.01				
9.50	0.75	0.55	0.01				
9.75	0.80	0.60	0.01				
10.00	0.85	0.65	0.01				
10.25	0.91	0.70	0.01				
10.50	0.97	0.77	0.01				
10.75	1.05	0.84	0.02				
11.00	1.13	0.91	0.02				
11.25	1.22	1.01	0.02				
11.50	1.34	1.12	0.03				
11.75	1.60	1.38	0.07				
12.00	2.25	2.02	0.17				
12.25	2.90	2.67	0.10				
12.50	3.16	2.93	0.05				
12.75	3.28	3.05	0.03				
13.00	3.37	3.14	0.02				
13.25	3.45	3.22	0.02				
13.50	3.53	3.29	0.02				
13.75	3.59	3.36	0.01				
14.00	3.65	3.42	0.01				
14.25	3.70	3.47	0.01				
14.50	3.75	3.52	0.01				
14.75	3.80	3.57	0.01				
15.00	3.84	3.61	0.01				
15.25	3.88	3.65	0.01				
15.50	3.92	3.69	0.01				
15.75	3.96	3.72	0.01				
16.00	3.99	3.75	0.01				
16.25	4.02	3.78	0.01				
16.50	4.04	3.81	0.01				
16.75	4.07	3.83	0.01				
17.00	4.09	3.86	0.01				
17.25	4.12	3.88	0.01				
17.50	4.14	3.90	0.00				
17.75	4.16	3.92	0.00				
18.00	4.18	3.94	0.00				

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Type III 24-hr Rainfall=4.50"

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Summary for Subcatchment L6: Lot 6 Roof Runoff

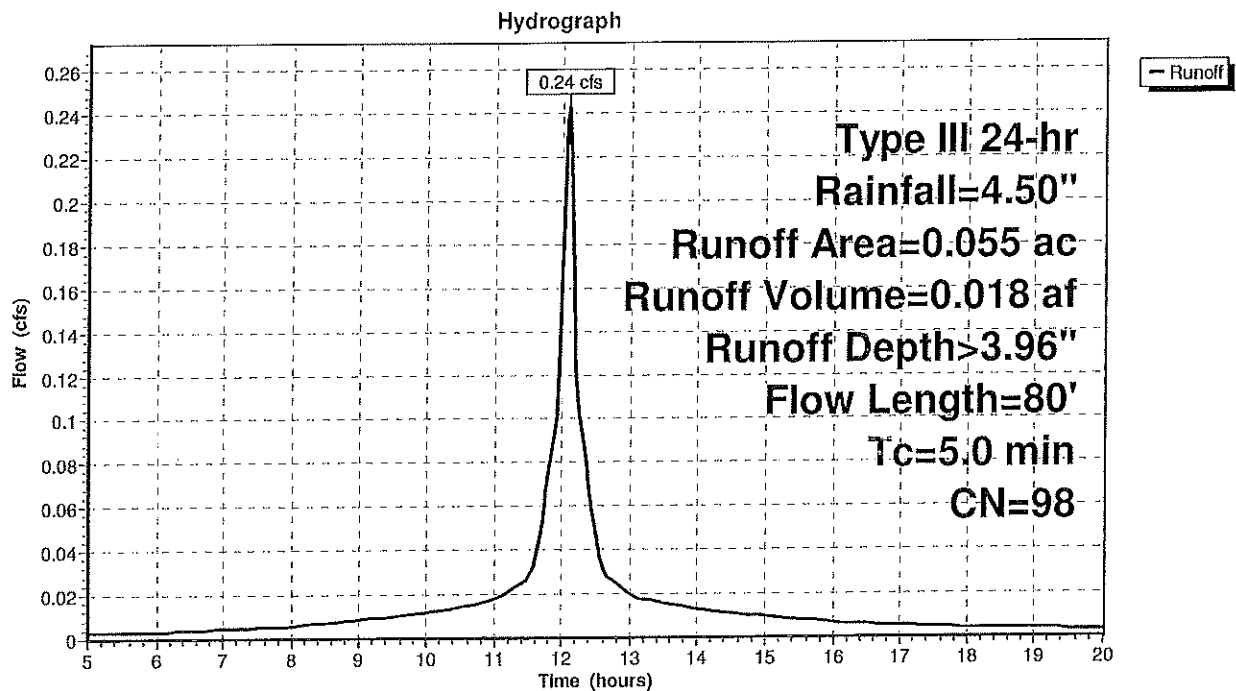
Runoff = 0.24 cfs @ 12.07 hrs, Volume= 0.018 af, Depth> 3.96"
Routed to Pond 6P : Infiltration Chambers

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

Area (ac)	CN	Description
0.055	98	Roofs, HSG A
0.055		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	80		0.27		Direct Entry, Path 1

Subcatchment L6: Lot 6 Roof Runoff



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Hydrograph for Subcatchment L6: Lot 6 Roof Runoff

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.26	0.11	0.00	18.25	4.19	3.96	0.00
5.25	0.27	0.12	0.00	18.50	4.21	3.98	0.00
5.50	0.29	0.14	0.00	18.75	4.23	3.99	0.00
5.75	0.31	0.15	0.00	19.00	4.24	4.01	0.00
6.00	0.32	0.16	0.00	19.25	4.26	4.03	0.00
6.25	0.34	0.18	0.00	19.50	4.28	4.04	0.00
6.50	0.36	0.20	0.00	19.75	4.29	4.06	0.00
6.75	0.38	0.22	0.00	20.00	4.31	4.07	0.00
7.00	0.41	0.24	0.00				
7.25	0.43	0.26	0.00				
7.50	0.46	0.28	0.01				
7.75	0.48	0.30	0.01				
8.00	0.51	0.33	0.01				
8.25	0.54	0.36	0.01				
8.50	0.58	0.39	0.01				
8.75	0.62	0.42	0.01				
9.00	0.66	0.46	0.01				
9.25	0.70	0.50	0.01				
9.50	0.75	0.55	0.01				
9.75	0.80	0.60	0.01				
10.00	0.85	0.65	0.01				
10.25	0.91	0.70	0.01				
10.50	0.97	0.77	0.01				
10.75	1.05	0.84	0.02				
11.00	1.13	0.91	0.02				
11.25	1.22	1.01	0.02				
11.50	1.34	1.12	0.03				
11.75	1.60	1.38	0.07				
12.00	2.25	2.02	0.17				
12.25	2.90	2.67	0.10				
12.50	3.16	2.93	0.05				
12.75	3.28	3.05	0.03				
13.00	3.37	3.14	0.02				
13.25	3.45	3.22	0.02				
13.50	3.53	3.29	0.02				
13.75	3.59	3.36	0.01				
14.00	3.65	3.42	0.01				
14.25	3.70	3.47	0.01				
14.50	3.75	3.52	0.01				
14.75	3.80	3.57	0.01				
15.00	3.84	3.61	0.01				
15.25	3.88	3.65	0.01				
15.50	3.92	3.69	0.01				
15.75	3.96	3.72	0.01				
16.00	3.99	3.75	0.01				
16.25	4.02	3.78	0.01				
16.50	4.04	3.81	0.01				
16.75	4.07	3.83	0.01				
17.00	4.09	3.86	0.01				
17.25	4.12	3.88	0.01				
17.50	4.14	3.90	0.00				
17.75	4.16	3.92	0.00				
18.00	4.18	3.94	0.00				

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Summary for Pond 4P: Pond - on site

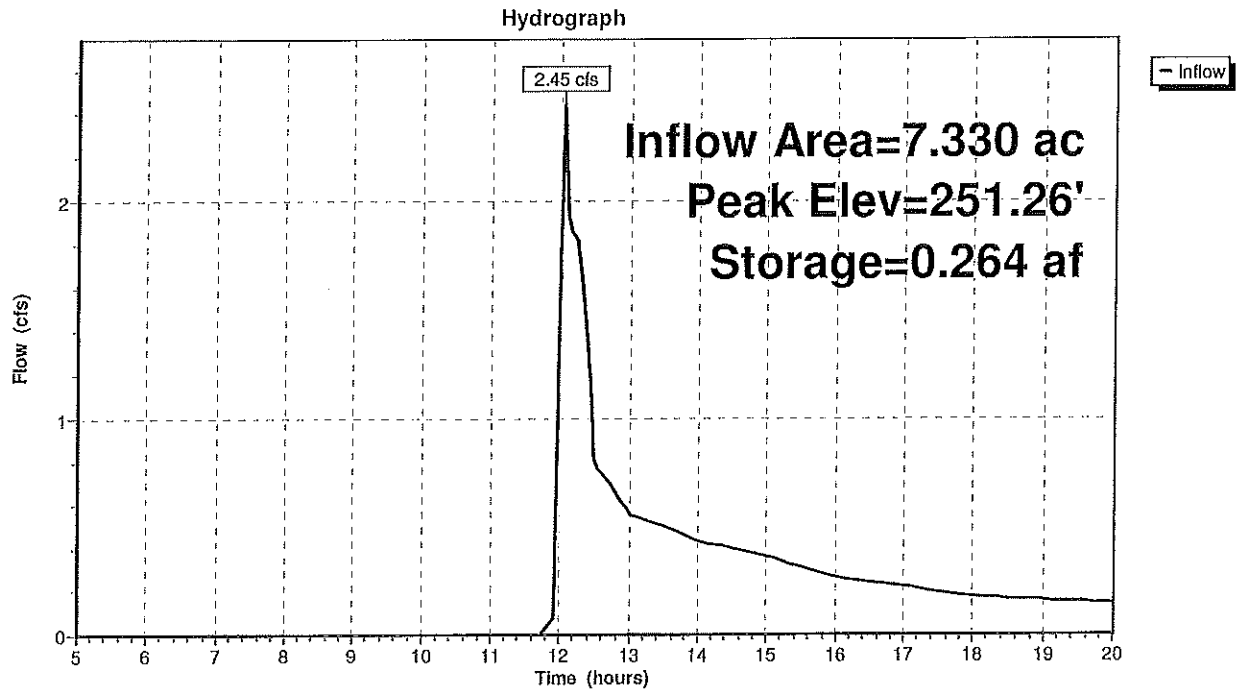
Inflow Area = 7.330 ac, 18.96% Impervious, Inflow Depth > 0.43"
Inflow = 2.45 cfs @ 12.05 hrs, Volume= 0.264 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 100%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 251.26' @ 20.00 hrs Surf.Area= 1.035 ac Storage= 0.264 af

Plug-Flow detention time= (not calculated: initial storage exceeds outflow)
Center-of-Mass det. time= (not calculated: no outflow)

Volume	Invert	Avail.Storage	Storage Description
#1	251.00'	2.160 af	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
251.00	1.020	0.000	0.000
252.00	1.080	1.050	1.050
253.00	1.140	1.110	2.160

Pond 4P: Pond - on site



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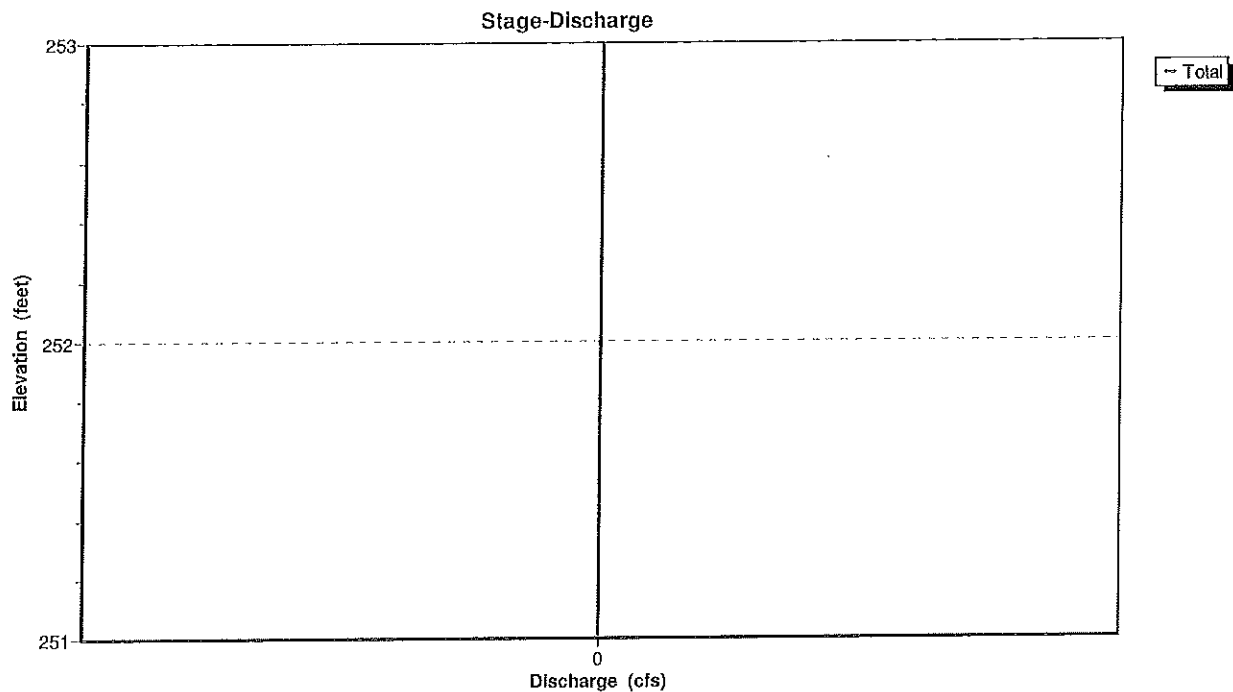
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10 Year Storm
Type III 24-hr Rainfall=4.50"

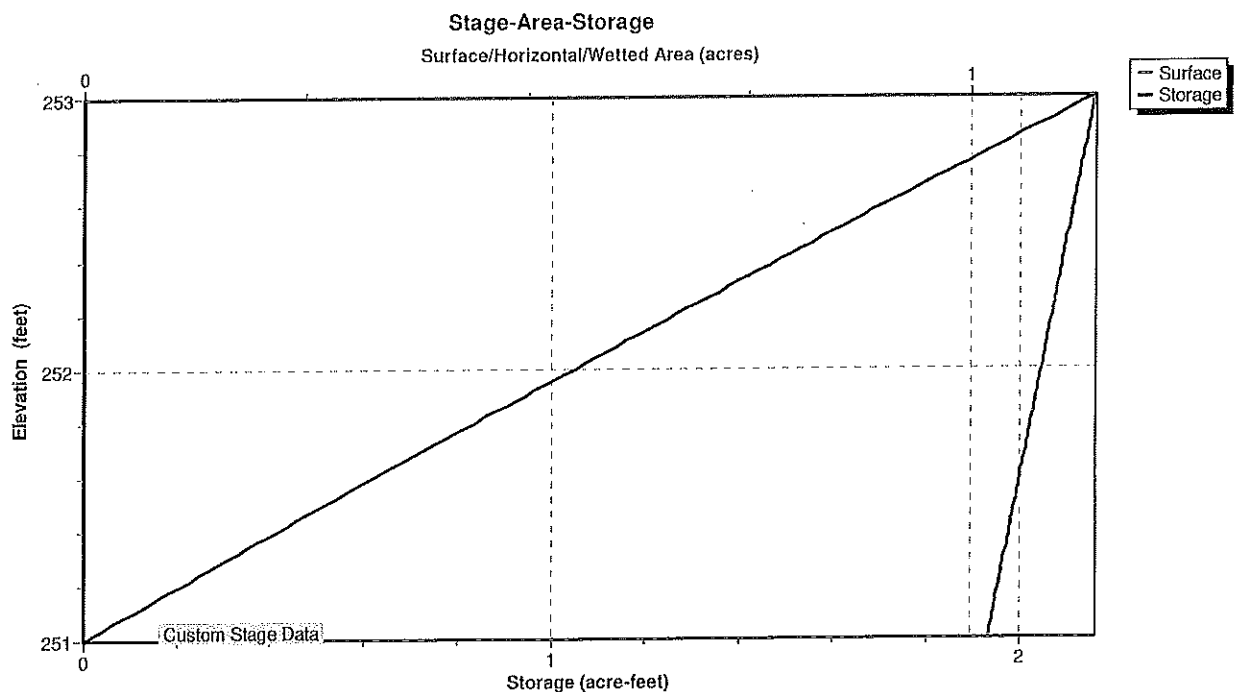
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Pond 4P: Pond - on site



Pond 4P: Pond - on site



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Type III 24-hr Rainfall=4.50"

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Hydrograph for Pond 4P: Pond - on site

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)
5.00	0.00	0.000	251.00	18.25	0.17	0.241	251.23
5.25	0.00	0.000	251.00	18.50	0.17	0.245	251.24
5.50	0.00	0.000	251.00	18.75	0.16	0.248	251.24
5.75	0.00	0.000	251.00	19.00	0.16	0.251	251.24
6.00	0.00	0.000	251.00	19.25	0.16	0.255	251.25
6.25	0.00	0.000	251.00	19.50	0.15	0.258	251.25
6.50	0.00	0.000	251.00	19.75	0.15	0.261	251.25
6.75	0.00	0.000	251.00	20.00	0.15	0.264	251.26
7.00	0.00	0.000	251.00				
7.25	0.00	0.000	251.00				
7.50	0.00	0.000	251.00				
7.75	0.00	0.000	251.00				
8.00	0.00	0.000	251.00				
8.25	0.00	0.000	251.00				
8.50	0.00	0.000	251.00				
8.75	0.00	0.000	251.00				
9.00	0.00	0.000	251.00				
9.25	0.00	0.000	251.00				
9.50	0.00	0.000	251.00				
9.75	0.00	0.000	251.00				
10.00	0.00	0.000	251.00				
10.25	0.00	0.000	251.00				
10.50	0.00	0.000	251.00				
10.75	0.00	0.000	251.00				
11.00	0.00	0.000	251.00				
11.25	0.00	0.000	251.00				
11.50	0.00	0.000	251.00				
11.75	0.00	0.000	251.00				
12.00	1.78	0.005	251.00				
12.25	1.79	0.045	251.04				
12.50	0.81	0.073	251.07				
12.75	0.68	0.089	251.09				
13.00	0.55	0.102	251.10				
13.25	0.53	0.113	251.11				
13.50	0.50	0.123	251.12				
13.75	0.47	0.133	251.13				
14.00	0.43	0.143	251.14				
14.25	0.41	0.151	251.15				
14.50	0.40	0.160	251.16				
14.75	0.38	0.168	251.16				
15.00	0.36	0.175	251.17				
15.25	0.34	0.183	251.18				
15.50	0.31	0.189	251.18				
15.75	0.29	0.195	251.19				
16.00	0.26	0.201	251.20				
16.25	0.25	0.207	251.20				
16.50	0.24	0.212	251.21				
16.75	0.23	0.217	251.21				
17.00	0.22	0.221	251.22				
17.25	0.21	0.226	251.22				
17.50	0.20	0.230	251.22				
17.75	0.19	0.234	251.23				
18.00	0.17	0.238	251.23				

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Stage-Discharge for Pond 4P: Pond - on site

Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)	Elevation (feet)	Discharge (cfs)
251.00	0.00	251.53	0.00	252.06	0.00	252.59	0.00
251.01	0.00	251.54	0.00	252.07	0.00	252.60	0.00
251.02	0.00	251.55	0.00	252.08	0.00	252.61	0.00
251.03	0.00	251.56	0.00	252.09	0.00	252.62	0.00
251.04	0.00	251.57	0.00	252.10	0.00	252.63	0.00
251.05	0.00	251.58	0.00	252.11	0.00	252.64	0.00
251.06	0.00	251.59	0.00	252.12	0.00	252.65	0.00
251.07	0.00	251.60	0.00	252.13	0.00	252.66	0.00
251.08	0.00	251.61	0.00	252.14	0.00	252.67	0.00
251.09	0.00	251.62	0.00	252.15	0.00	252.68	0.00
251.10	0.00	251.63	0.00	252.16	0.00	252.69	0.00
251.11	0.00	251.64	0.00	252.17	0.00	252.70	0.00
251.12	0.00	251.65	0.00	252.18	0.00	252.71	0.00
251.13	0.00	251.66	0.00	252.19	0.00	252.72	0.00
251.14	0.00	251.67	0.00	252.20	0.00	252.73	0.00
251.15	0.00	251.68	0.00	252.21	0.00	252.74	0.00
251.16	0.00	251.69	0.00	252.22	0.00	252.75	0.00
251.17	0.00	251.70	0.00	252.23	0.00	252.76	0.00
251.18	0.00	251.71	0.00	252.24	0.00	252.77	0.00
251.19	0.00	251.72	0.00	252.25	0.00	252.78	0.00
251.20	0.00	251.73	0.00	252.26	0.00	252.79	0.00
251.21	0.00	251.74	0.00	252.27	0.00	252.80	0.00
251.22	0.00	251.75	0.00	252.28	0.00	252.81	0.00
251.23	0.00	251.76	0.00	252.29	0.00	252.82	0.00
251.24	0.00	251.77	0.00	252.30	0.00	252.83	0.00
251.25	0.00	251.78	0.00	252.31	0.00	252.84	0.00
251.26	0.00	251.79	0.00	252.32	0.00	252.85	0.00
251.27	0.00	251.80	0.00	252.33	0.00	252.86	0.00
251.28	0.00	251.81	0.00	252.34	0.00	252.87	0.00
251.29	0.00	251.82	0.00	252.35	0.00	252.88	0.00
251.30	0.00	251.83	0.00	252.36	0.00	252.89	0.00
251.31	0.00	251.84	0.00	252.37	0.00	252.90	0.00
251.32	0.00	251.85	0.00	252.38	0.00	252.91	0.00
251.33	0.00	251.86	0.00	252.39	0.00	252.92	0.00
251.34	0.00	251.87	0.00	252.40	0.00	252.93	0.00
251.35	0.00	251.88	0.00	252.41	0.00	252.94	0.00
251.36	0.00	251.89	0.00	252.42	0.00	252.95	0.00
251.37	0.00	251.90	0.00	252.43	0.00	252.96	0.00
251.38	0.00	251.91	0.00	252.44	0.00	252.97	0.00
251.39	0.00	251.92	0.00	252.45	0.00	252.98	0.00
251.40	0.00	251.93	0.00	252.46	0.00	252.99	0.00
251.41	0.00	251.94	0.00	252.47	0.00	253.00	0.00
251.42	0.00	251.95	0.00	252.48	0.00		
251.43	0.00	251.96	0.00	252.49	0.00		
251.44	0.00	251.97	0.00	252.50	0.00		
251.45	0.00	251.98	0.00	252.51	0.00		
251.46	0.00	251.99	0.00	252.52	0.00		
251.47	0.00	252.00	0.00	252.53	0.00		
251.48	0.00	252.01	0.00	252.54	0.00		
251.49	0.00	252.02	0.00	252.55	0.00		
251.50	0.00	252.03	0.00	252.56	0.00		
251.51	0.00	252.04	0.00	252.57	0.00		
251.52	0.00	252.05	0.00	252.58	0.00		

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Stage-Area-Storage for Pond 4P: Pond - on site

Elevation (feet)	Surface (acres)	Storage (acre-feet)	Elevation (feet)	Surface (acres)	Storage (acre-feet)
251.00	1.020	0.000	252.06	1.084	1.115
251.02	1.021	0.020	252.08	1.085	1.137
251.04	1.022	0.041	252.10	1.086	1.158
251.06	1.024	0.061	252.12	1.087	1.180
251.08	1.025	0.082	252.14	1.088	1.202
251.10	1.026	0.102	252.16	1.090	1.224
251.12	1.027	0.123	252.18	1.091	1.245
251.14	1.028	0.143	252.20	1.092	1.267
251.16	1.030	0.164	252.22	1.093	1.289
251.18	1.031	0.185	252.24	1.094	1.311
251.20	1.032	0.205	252.26	1.096	1.333
251.22	1.033	0.226	252.28	1.097	1.355
251.24	1.034	0.247	252.30	1.098	1.377
251.26	1.036	0.267	252.32	1.099	1.399
251.28	1.037	0.288	252.34	1.100	1.421
251.30	1.038	0.309	252.36	1.102	1.443
251.32	1.039	0.329	252.38	1.103	1.465
251.34	1.040	0.350	252.40	1.104	1.487
251.36	1.042	0.371	252.42	1.105	1.509
251.38	1.043	0.392	252.44	1.106	1.531
251.40	1.044	0.413	252.46	1.108	1.553
251.42	1.045	0.434	252.48	1.109	1.575
251.44	1.046	0.455	252.50	1.110	1.598
251.46	1.048	0.476	252.52	1.111	1.620
251.48	1.049	0.497	252.54	1.112	1.642
251.50	1.050	0.517	252.56	1.114	1.664
251.52	1.051	0.539	252.58	1.115	1.686
251.54	1.052	0.560	252.60	1.116	1.709
251.56	1.054	0.581	252.62	1.117	1.731
251.58	1.055	0.602	252.64	1.118	1.753
251.60	1.056	0.623	252.66	1.120	1.776
251.62	1.057	0.644	252.68	1.121	1.798
251.64	1.058	0.665	252.70	1.122	1.821
251.66	1.060	0.686	252.72	1.123	1.843
251.68	1.061	0.707	252.74	1.124	1.866
251.70	1.062	0.729	252.76	1.126	1.888
251.72	1.063	0.750	252.78	1.127	1.911
251.74	1.064	0.771	252.80	1.128	1.933
251.76	1.066	0.793	252.82	1.129	1.956
251.78	1.067	0.814	252.84	1.130	1.978
251.80	1.068	0.835	252.86	1.132	2.001
251.82	1.069	0.857	252.88	1.133	2.024
251.84	1.070	0.878	252.90	1.134	2.046
251.86	1.072	0.899	252.92	1.135	2.069
251.88	1.073	0.921	252.94	1.136	2.092
251.90	1.074	0.942	252.96	1.138	2.114
251.92	1.075	0.964	252.98	1.139	2.137
251.94	1.076	0.985	253.00	1.140	2.160
251.96	1.078	1.007			
251.98	1.079	1.028			
252.00	1.080	1.050			
252.02	1.081	1.072			
252.04	1.082	1.093			

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Summary for Pond 5P: Infiltration Chambers

Inflow Area = 0.055 ac, 100.00% Impervious, Inflow Depth > 3.96"
Inflow = 0.24 cfs @ 12.07 hrs, Volume= 0.018 af
Outflow = 0.02 cfs @ 11.30 hrs, Volume= 0.018 af, Atten= 92%, Lag= 0.0 min
Secondary = 0.02 cfs @ 11.30 hrs, Volume= 0.018 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 0.92' @ 13.10 hrs Surf.Area= 0.007 ac Storage= 0.007 af

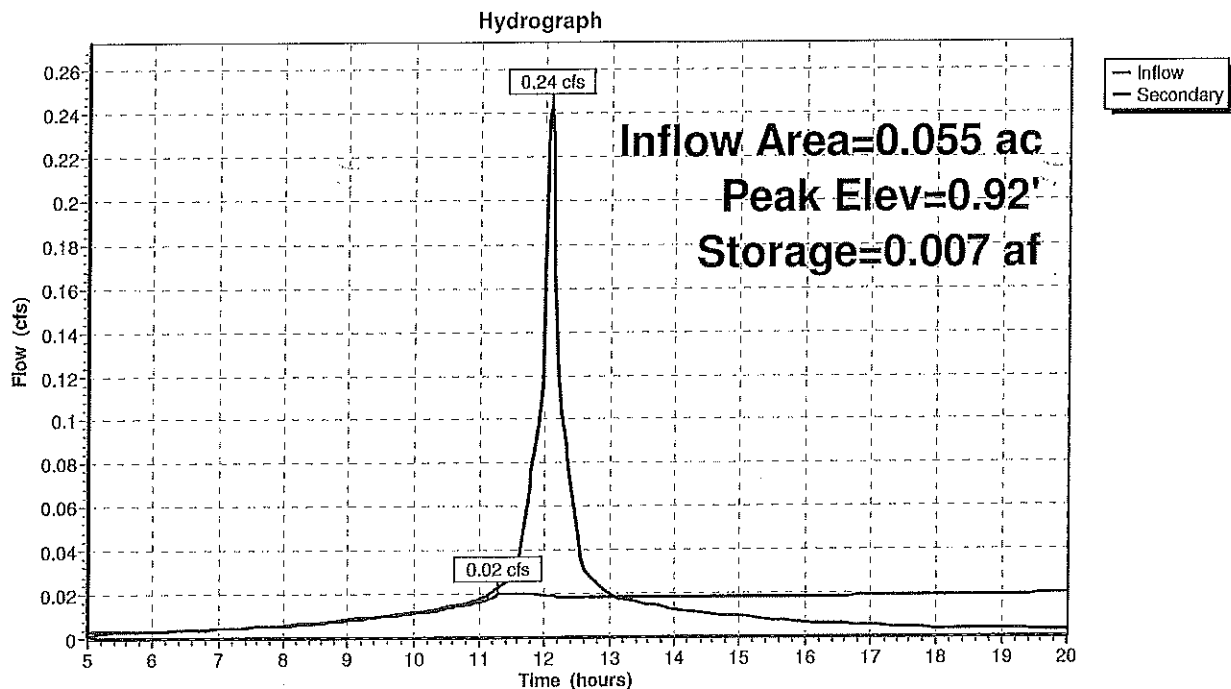
Plug-Flow detention time= 136.1 min calculated for 0.017 af (96% of inflow)
Center-of-Mass det. time= 120.8 min (855.8 - 735.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.015 af	Cultec R-330XLHD x 12 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 4 rows

Device	Routing	Invert	Outlet Devices
#1	Secondary	0.00'	2.410 in/hr Exfiltration over Surface area

Secondary OutFlow Max=0.02 cfs @ 11.30 hrs HW=0.03' (Free Discharge)
↑=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 5P: Infiltration Chambers



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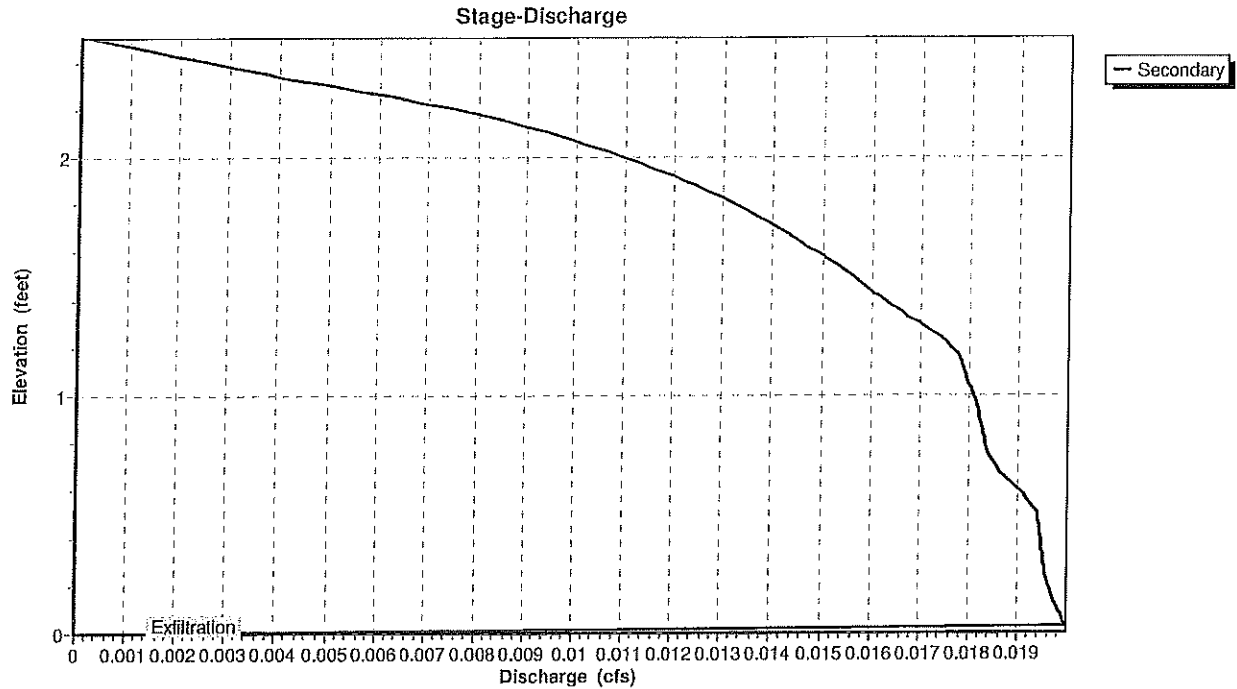
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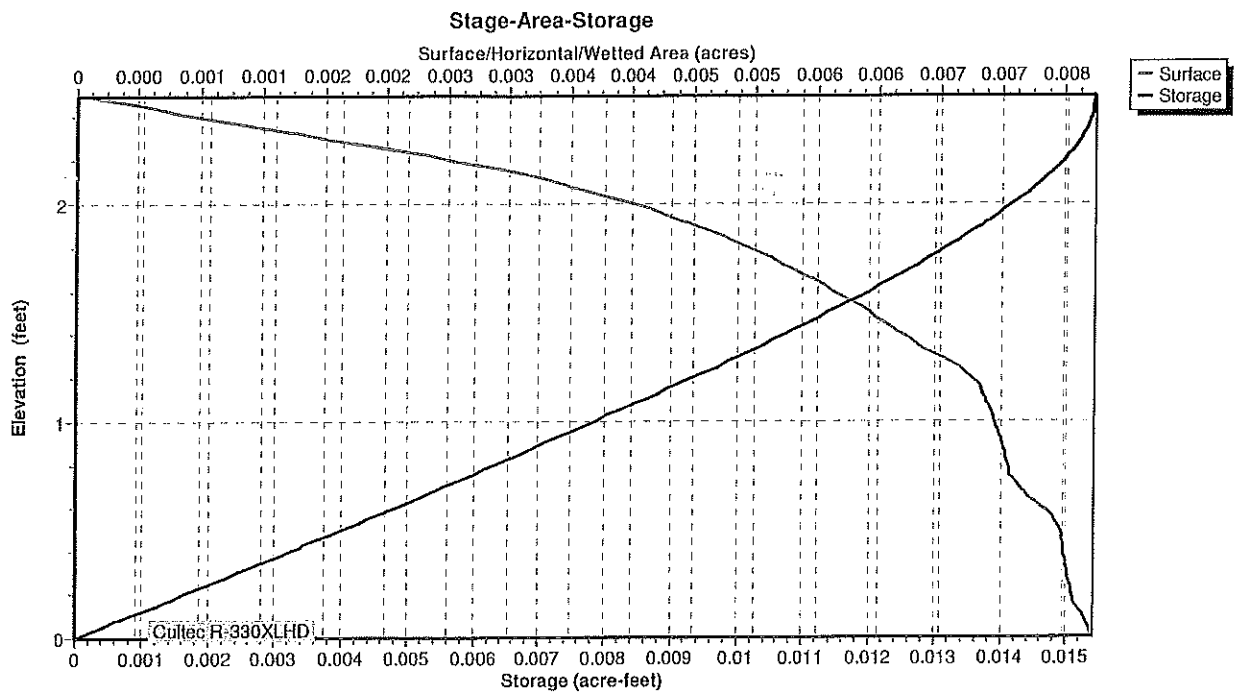
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Pond 5P: Infiltration Chambers



Pond 5P: Infiltration Chambers



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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Hydrograph for Pond 5P: Infiltration Chambers

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Secondary (cfs)
5.00	0.00	0.000	0.00	0.00
5.50	0.00	0.000	0.00	0.00
6.00	0.00	0.000	0.00	0.00
6.50	0.00	0.000	0.00	0.00
7.00	0.00	0.000	0.01	0.00
7.50	0.01	0.000	0.01	0.00
8.00	0.01	0.000	0.01	0.01
8.50	0.01	0.000	0.01	0.01
9.00	0.01	0.000	0.01	0.01
9.50	0.01	0.000	0.01	0.01
10.00	0.01	0.000	0.01	0.01
10.50	0.01	0.000	0.02	0.01
11.00	0.02	0.000	0.02	0.02
11.50	0.03	0.000	0.04	0.02
12.00	0.17	0.002	0.30	0.02
12.50	0.05	0.007	0.87	0.02
13.00	0.02	0.007	0.92	0.02
13.50	0.02	0.007	0.92	0.02
14.00	0.01	0.007	0.89	0.02
14.50	0.01	0.007	0.86	0.02
15.00	0.01	0.006	0.81	0.02
15.50	0.01	0.006	0.76	0.02
16.00	0.01	0.006	0.70	0.02
16.50	0.01	0.005	0.63	0.02
17.00	0.01	0.005	0.56	0.02
17.50	0.00	0.004	0.49	0.02
18.00	0.00	0.003	0.41	0.02
18.50	0.00	0.003	0.33	0.02
19.00	0.00	0.002	0.25	0.02
19.50	0.00	0.001	0.17	0.02
20.00	0.00	0.001	0.08	0.02

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Stage-Discharge for Pond 5P: Infiltration Chambers

Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)
0.00	0.00	1.06	0.02	2.12	0.01
0.02	0.02	1.08	0.02	2.14	0.01
0.04	0.02	1.10	0.02	2.16	0.01
0.06	0.02	1.12	0.02	2.18	0.01
0.08	0.02	1.14	0.02	2.20	0.01
0.10	0.02	1.16	0.02	2.22	0.01
0.12	0.02	1.18	0.02	2.24	0.01
0.14	0.02	1.20	0.02	2.26	0.01
0.16	0.02	1.22	0.02	2.28	0.01
0.18	0.02	1.24	0.02	2.30	0.00
0.20	0.02	1.26	0.02	2.32	0.00
0.22	0.02	1.28	0.02	2.34	0.00
0.24	0.02	1.30	0.02	2.36	0.00
0.26	0.02	1.32	0.02	2.38	0.00
0.28	0.02	1.34	0.02	2.40	0.00
0.30	0.02	1.36	0.02	2.42	0.00
0.32	0.02	1.38	0.02	2.44	0.00
0.34	0.02	1.40	0.02	2.46	0.00
0.36	0.02	1.42	0.02	2.48	0.00
0.38	0.02	1.44	0.02	2.50	0.00
0.40	0.02	1.46	0.02		
0.42	0.02	1.48	0.02		
0.44	0.02	1.50	0.02		
0.46	0.02	1.52	0.02		
0.48	0.02	1.54	0.02		
0.50	0.02	1.56	0.02		
0.52	0.02	1.58	0.02		
0.54	0.02	1.60	0.01		
0.56	0.02	1.62	0.01		
0.58	0.02	1.64	0.01		
0.60	0.02	1.66	0.01		
0.62	0.02	1.68	0.01		
0.64	0.02	1.70	0.01		
0.66	0.02	1.72	0.01		
0.68	0.02	1.74	0.01		
0.70	0.02	1.76	0.01		
0.72	0.02	1.78	0.01		
0.74	0.02	1.80	0.01		
0.76	0.02	1.82	0.01		
0.78	0.02	1.84	0.01		
0.80	0.02	1.86	0.01		
0.82	0.02	1.88	0.01		
0.84	0.02	1.90	0.01		
0.86	0.02	1.92	0.01		
0.88	0.02	1.94	0.01		
0.90	0.02	1.96	0.01		
0.92	0.02	1.98	0.01		
0.94	0.02	2.00	0.01		
0.96	0.02	2.02	0.01		
0.98	0.02	2.04	0.01		
1.00	0.02	2.06	0.01		
1.02	0.02	2.08	0.01		
1.04	0.02	2.10	0.01		

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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Stage-Area-Storage for Pond 5P: Infiltration Chambers

Elevation (feet)	Surface (acres)	Storage (acre-feet)
0.00	0.008	0.000
0.05	0.008	0.000
0.10	0.008	0.001
0.15	0.008	0.001
0.20	0.008	0.002
0.25	0.008	0.002
0.30	0.008	0.002
0.35	0.008	0.003
0.40	0.008	0.003
0.45	0.008	0.004
0.50	0.008	0.004
0.55	0.008	0.004
0.60	0.008	0.005
0.65	0.008	0.005
0.70	0.008	0.006
0.75	0.008	0.006
0.80	0.008	0.006
0.85	0.008	0.007
0.90	0.007	0.007
0.95	0.007	0.007
1.00	0.007	0.008
1.05	0.007	0.008
1.10	0.007	0.009
1.15	0.007	0.009
1.20	0.007	0.009
1.25	0.007	0.010
1.30	0.007	0.010
1.35	0.007	0.010
1.40	0.007	0.011
1.45	0.007	0.011
1.50	0.006	0.011
1.55	0.006	0.012
1.60	0.006	0.012
1.65	0.006	0.012
1.70	0.006	0.013
1.75	0.006	0.013
1.80	0.005	0.013
1.85	0.005	0.013
1.90	0.005	0.014
1.95	0.005	0.014
2.00	0.005	0.014
2.05	0.004	0.014
2.10	0.004	0.015
2.15	0.004	0.015
2.20	0.003	0.015
2.25	0.003	0.015
2.30	0.002	0.015
2.35	0.002	0.015
2.40	0.001	0.015
2.45	0.001	0.015
2.50	0.000	0.015

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Type III 24-hr Rainfall=4.50"

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Summary for Pond 6P: Infiltration Chambers

Inflow Area = 0.055 ac, 100.00% Impervious, Inflow Depth > 3.96"
Inflow = 0.24 cfs @ 12.07 hrs, Volume= 0.018 af
Outflow = 0.02 cfs @ 11.30 hrs, Volume= 0.018 af, Atten= 92%, Lag= 0.0 min
Secondary = 0.02 cfs @ 11.30 hrs, Volume= 0.018 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 0.92' @ 13.10 hrs Surf.Area= 0.007 ac Storage= 0.007 af

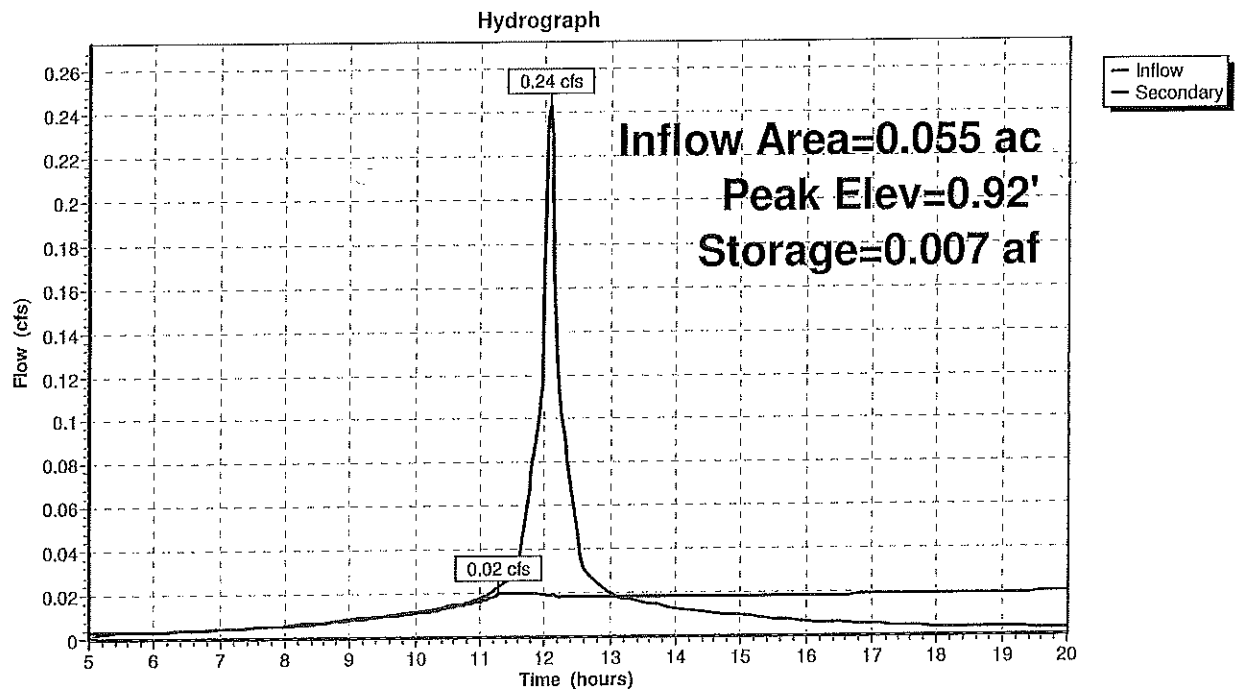
Plug-Flow detention time= 136.1 min calculated for 0.017 af (96% of inflow)
Center-of-Mass det. time= 120.8 min (855.8 - 735.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.015 af	Cultec R-330XLHD x 12 Effective Size= 47.8"W x 30.0"H => 7.45 sf x 7.00'L = 52.2 cf Overall Size= 52.0"W x 30.5"H x 8.50'L with 1.50' Overlap Row Length Adjustment= +1.50' x 7.45 sf x 4 rows

Device	Routing	Invert	Outlet Devices
#1	Secondary	0.00'	2.410 in/hr Exfiltration over Surface area

Secondary OutFlow Max=0.02 cfs @ 11.30 hrs HW=0.03' (Free Discharge)
↑1=Exfiltration (Exfiltration Controls 0.02 cfs)

Pond 6P: Infiltration Chambers



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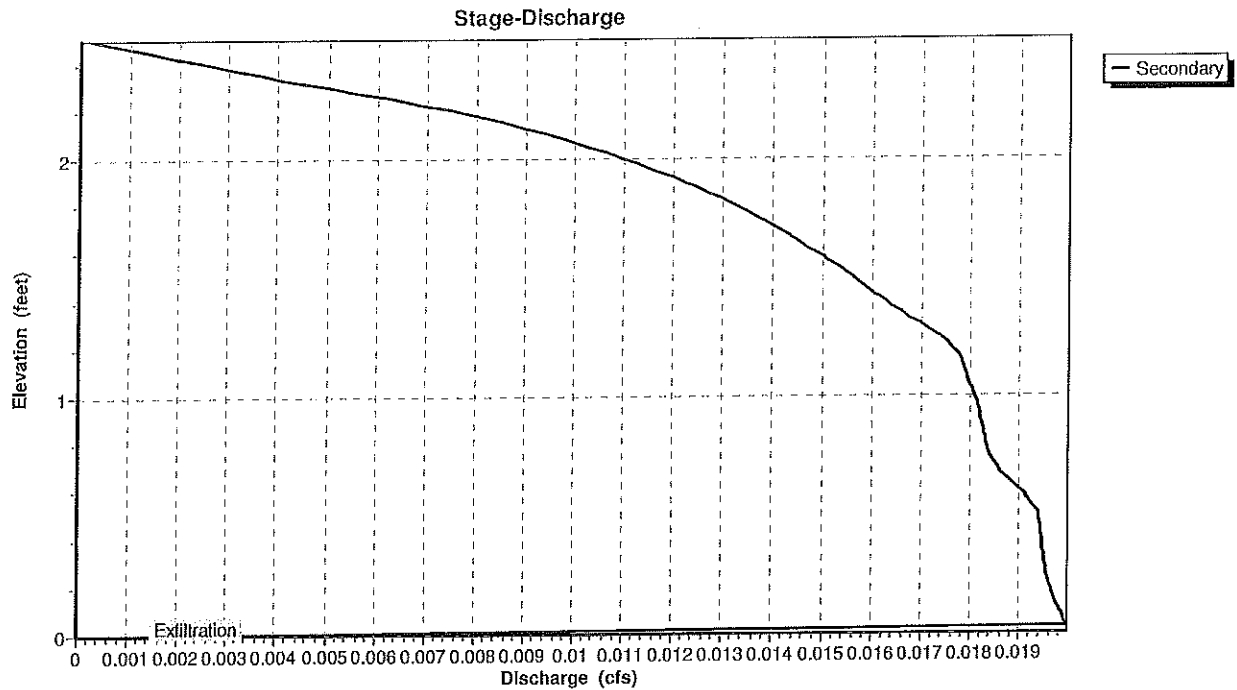
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10 Year Storm
Type III 24-hr Rainfall=4.50"

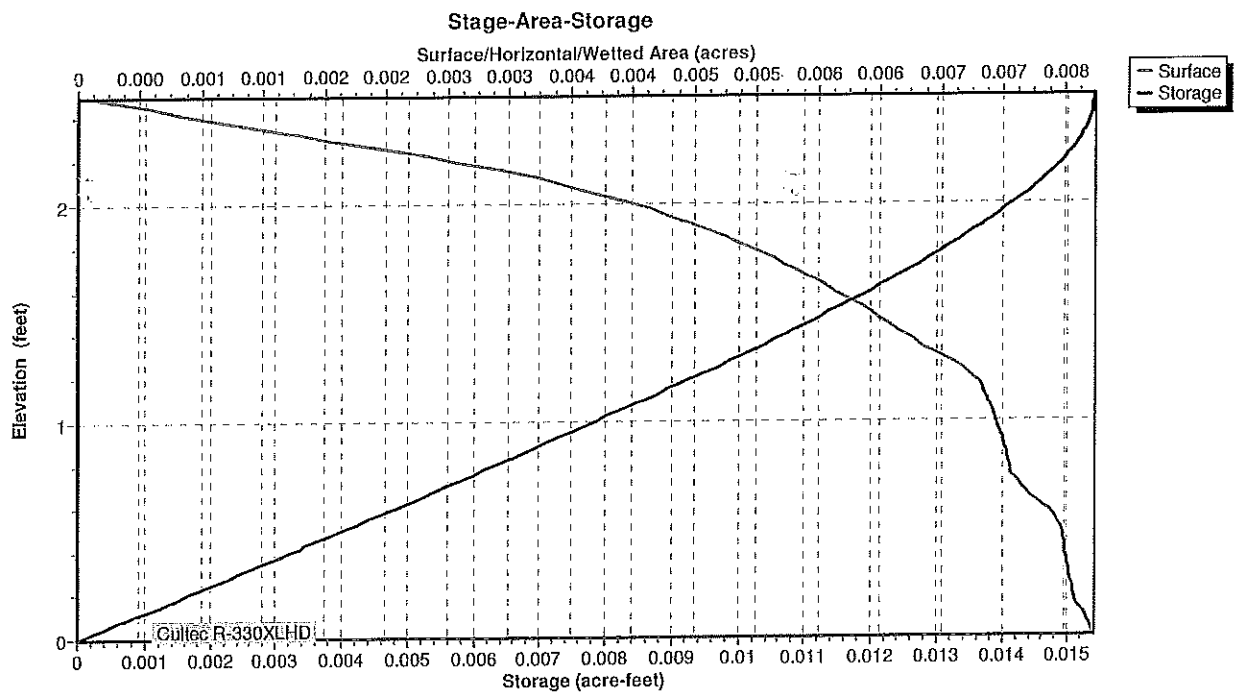
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Pond 6P: Infiltration Chambers



Pond 6P: Infiltration Chambers



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10 Year Storm
Type III 24-hr Rainfall=4.50"

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Hydrograph for Pond 6P: Infiltration Chambers

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Secondary (cfs)
5.00	0.00	0.000	0.00	0.00
5.50	0.00	0.000	0.00	0.00
6.00	0.00	0.000	0.00	0.00
6.50	0.00	0.000	0.00	0.00
7.00	0.00	0.000	0.01	0.00
7.50	0.01	0.000	0.01	0.00
8.00	0.01	0.000	0.01	0.01
8.50	0.01	0.000	0.01	0.01
9.00	0.01	0.000	0.01	0.01
9.50	0.01	0.000	0.01	0.01
10.00	0.01	0.000	0.01	0.01
10.50	0.01	0.000	0.02	0.01
11.00	0.02	0.000	0.02	0.02
11.50	0.03	0.000	0.04	0.02
12.00	0.17	0.002	0.30	0.02
12.50	0.05	0.007	0.87	0.02
13.00	0.02	0.007	0.92	0.02
13.50	0.02	0.007	0.92	0.02
14.00	0.01	0.007	0.89	0.02
14.50	0.01	0.007	0.86	0.02
15.00	0.01	0.006	0.81	0.02
15.50	0.01	0.006	0.76	0.02
16.00	0.01	0.006	0.70	0.02
16.50	0.01	0.005	0.63	0.02
17.00	0.01	0.005	0.56	0.02
17.50	0.00	0.004	0.49	0.02
18.00	0.00	0.003	0.41	0.02
18.50	0.00	0.003	0.33	0.02
19.00	0.00	0.002	0.25	0.02
19.50	0.00	0.001	0.17	0.02
20.00	0.00	0.001	0.08	0.02

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Stage-Discharge for Pond 6P: Infiltration Chambers

Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)	Elevation (feet)	Secondary (cfs)
0.00	0.00	1.06	0.02	2.12	0.01
0.02	0.02	1.08	0.02	2.14	0.01
0.04	0.02	1.10	0.02	2.16	0.01
0.06	0.02	1.12	0.02	2.18	0.01
0.08	0.02	1.14	0.02	2.20	0.01
0.10	0.02	1.16	0.02	2.22	0.01
0.12	0.02	1.18	0.02	2.24	0.01
0.14	0.02	1.20	0.02	2.26	0.01
0.16	0.02	1.22	0.02	2.28	0.01
0.18	0.02	1.24	0.02	2.30	0.00
0.20	0.02	1.26	0.02	2.32	0.00
0.22	0.02	1.28	0.02	2.34	0.00
0.24	0.02	1.30	0.02	2.36	0.00
0.26	0.02	1.32	0.02	2.38	0.00
0.28	0.02	1.34	0.02	2.40	0.00
0.30	0.02	1.36	0.02	2.42	0.00
0.32	0.02	1.38	0.02	2.44	0.00
0.34	0.02	1.40	0.02	2.46	0.00
0.36	0.02	1.42	0.02	2.48	0.00
0.38	0.02	1.44	0.02	2.50	0.00
0.40	0.02	1.46	0.02		
0.42	0.02	1.48	0.02		
0.44	0.02	1.50	0.02		
0.46	0.02	1.52	0.02		
0.48	0.02	1.54	0.02		
0.50	0.02	1.56	0.02		
0.52	0.02	1.58	0.02		
0.54	0.02	1.60	0.01		
0.56	0.02	1.62	0.01		
0.58	0.02	1.64	0.01		
0.60	0.02	1.66	0.01		
0.62	0.02	1.68	0.01		
0.64	0.02	1.70	0.01		
0.66	0.02	1.72	0.01		
0.68	0.02	1.74	0.01		
0.70	0.02	1.76	0.01		
0.72	0.02	1.78	0.01		
0.74	0.02	1.80	0.01		
0.76	0.02	1.82	0.01		
0.78	0.02	1.84	0.01		
0.80	0.02	1.86	0.01		
0.82	0.02	1.88	0.01		
0.84	0.02	1.90	0.01		
0.86	0.02	1.92	0.01		
0.88	0.02	1.94	0.01		
0.90	0.02	1.96	0.01		
0.92	0.02	1.98	0.01		
0.94	0.02	2.00	0.01		
0.96	0.02	2.02	0.01		
0.98	0.02	2.04	0.01		
1.00	0.02	2.06	0.01		
1.02	0.02	2.08	0.01		
1.04	0.02	2.10	0.01		

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Stage-Area-Storage for Pond 6P: Infiltration Chambers

Elevation (feet)	Surface (acres)	Storage (acre-feet)
0.00	0.008	0.000
0.05	0.008	0.000
0.10	0.008	0.001
0.15	0.008	0.001
0.20	0.008	0.002
0.25	0.008	0.002
0.30	0.008	0.002
0.35	0.008	0.003
0.40	0.008	0.003
0.45	0.008	0.004
0.50	0.008	0.004
0.55	0.008	0.004
0.60	0.008	0.005
0.65	0.008	0.005
0.70	0.008	0.006
0.75	0.008	0.006
0.80	0.008	0.006
0.85	0.008	0.007
0.90	0.007	0.007
0.95	0.007	0.007
1.00	0.007	0.008
1.05	0.007	0.008
1.10	0.007	0.009
1.15	0.007	0.009
1.20	0.007	0.009
1.25	0.007	0.010
1.30	0.007	0.010
1.35	0.007	0.010
1.40	0.007	0.011
1.45	0.007	0.011
1.50	0.006	0.011
1.55	0.006	0.012
1.60	0.006	0.012
1.65	0.006	0.012
1.70	0.006	0.013
1.75	0.006	0.013
1.80	0.005	0.013
1.85	0.005	0.013
1.90	0.005	0.014
1.95	0.005	0.014
2.00	0.005	0.014
2.05	0.004	0.014
2.10	0.004	0.015
2.15	0.004	0.015
2.20	0.003	0.015
2.25	0.003	0.015
2.30	0.002	0.015
2.35	0.002	0.015
2.40	0.001	0.015
2.45	0.001	0.015
2.50	0.000	0.015

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10 Year Storm
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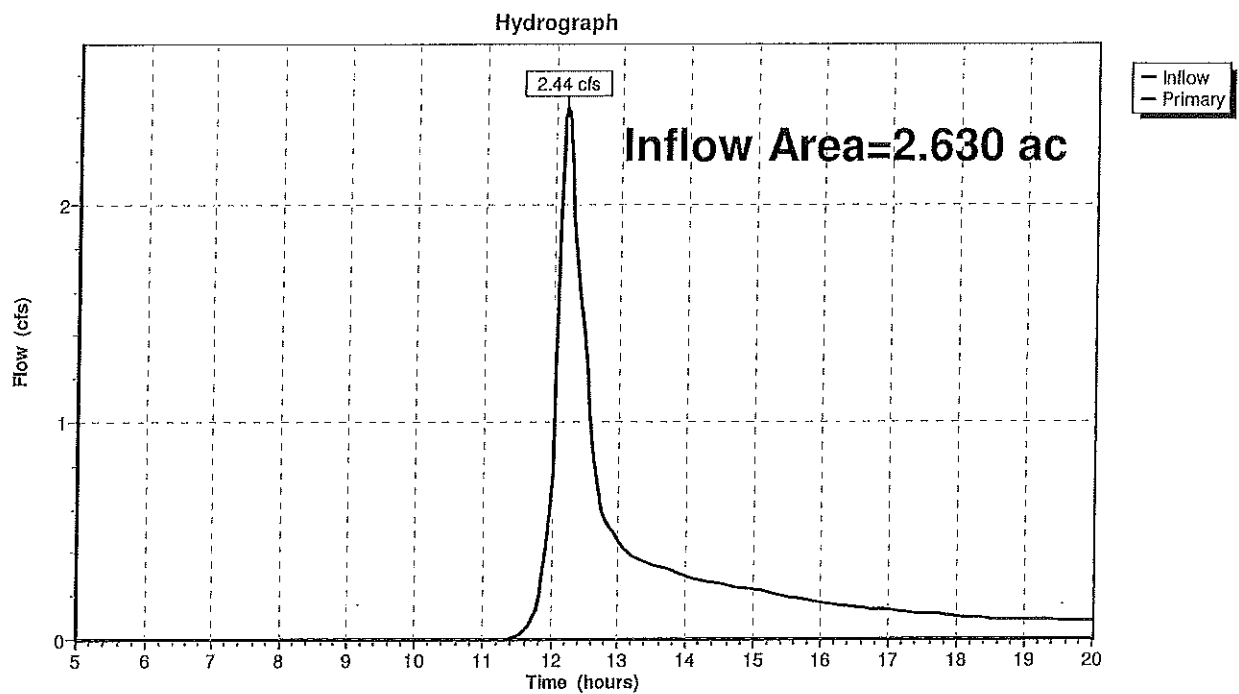
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Summary for Link DP: Northerly Low Area

Inflow Area = 2.630 ac, 11.41% Impervious, Inflow Depth > 0.98"
Inflow = 2.44 cfs @ 12.18 hrs, Volume= 0.215 af
Primary = 2.44 cfs @ 12.18 hrs, Volume= 0.215 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link DP: Northerly Low Area



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Type III 24-hr Rainfall=4.50"

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Hydrograph for Link DP: Northerly Low Area

Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.00	0.00	18.25	0.10	0.00	0.10
5.25	0.00	0.00	0.00	18.50	0.10	0.00	0.10
5.50	0.00	0.00	0.00	18.75	0.09	0.00	0.09
5.75	0.00	0.00	0.00	19.00	0.09	0.00	0.09
6.00	0.00	0.00	0.00	19.25	0.09	0.00	0.09
6.25	0.00	0.00	0.00	19.50	0.09	0.00	0.09
6.50	0.00	0.00	0.00	19.75	0.09	0.00	0.09
6.75	0.00	0.00	0.00	20.00	0.08	0.00	0.08
7.00	0.00	0.00	0.00				
7.25	0.00	0.00	0.00				
7.50	0.00	0.00	0.00				
7.75	0.00	0.00	0.00				
8.00	0.00	0.00	0.00				
8.25	0.00	0.00	0.00				
8.50	0.00	0.00	0.00				
8.75	0.00	0.00	0.00				
9.00	0.00	0.00	0.00				
9.25	0.00	0.00	0.00				
9.50	0.00	0.00	0.00				
9.75	0.00	0.00	0.00				
10.00	0.00	0.00	0.00				
10.25	0.00	0.00	0.00				
10.50	0.00	0.00	0.00				
10.75	0.00	0.00	0.00				
11.00	0.00	0.00	0.00				
11.25	0.00	0.00	0.00				
11.50	0.01	0.00	0.01				
11.75	0.13	0.00	0.13				
12.00	0.78	0.00	0.78				
12.25	2.19	0.00	2.19				
12.50	1.24	0.00	1.24				
12.75	0.59	0.00	0.59				
13.00	0.45	0.00	0.45				
13.25	0.37	0.00	0.37				
13.50	0.35	0.00	0.35				
13.75	0.32	0.00	0.32				
14.00	0.29	0.00	0.29				
14.25	0.27	0.00	0.27				
14.50	0.26	0.00	0.26				
14.75	0.24	0.00	0.24				
15.00	0.23	0.00	0.23				
15.25	0.21	0.00	0.21				
15.50	0.20	0.00	0.20				
15.75	0.18	0.00	0.18				
16.00	0.17	0.00	0.17				
16.25	0.15	0.00	0.15				
16.50	0.15	0.00	0.15				
16.75	0.14	0.00	0.14				
17.00	0.13	0.00	0.13				
17.25	0.13	0.00	0.13				
17.50	0.12	0.00	0.12				
17.75	0.11	0.00	0.11				
18.00	0.10	0.00	0.10				