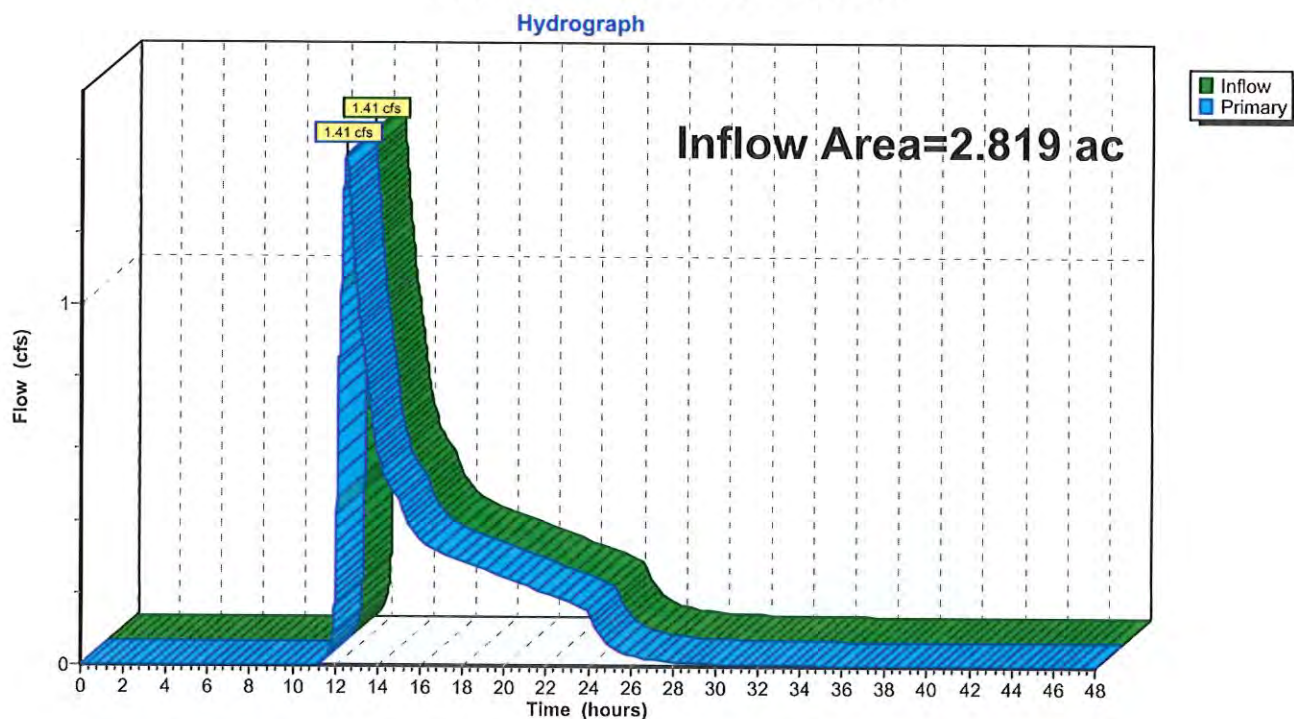


Summary for Link WETLANDS: WETLANDS

Inflow Area = 2.819 ac, 27.07% Impervious, Inflow Depth > 1.77" for 10-Year event
 Inflow = 1.41 cfs @ 12.47 hrs, Volume= 0.416 af
 Primary = 1.41 cfs @ 12.47 hrs, Volume= 0.416 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link WETLANDS: WETLANDS



Crickets Corner Post Development

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Page 33

Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points x 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentDA-1A: DA-1A

Runoff Area=90,943 sf 36.54% Impervious Runoff Depth=3.75"
Flow Length=813' Tc=10.2 min CN=78 Runoff=8.10 cfs 0.652 af

SubcatchmentDA-1B: DA-1B

Runoff Area=31,840 sf 0.00% Impervious Runoff Depth=1.79"
Flow Length=392' Tc=8.5 min CN=57 Runoff=1.38 cfs 0.109 af

SubcatchmentDA-2A: DA-2A

Runoff Area=174,936 sf 15.85% Impervious Runoff Depth=3.54"
Flow Length=1,021' Tc=13.5 min CN=76 Runoff=13.01 cfs 1.186 af

SubcatchmentDA-2B: DA-2B

Runoff Area=230,446 sf 0.00% Impervious Runoff Depth=1.71"
Flow Length=655' Tc=26.8 min CN=56 Runoff=5.21 cfs 0.754 af

Pond SWB-1: SWB-1

Peak Elev=160.48' Storage=11,325 cf Inflow=8.10 cfs 0.652 af
Outflow=2.64 cfs 0.504 af

Pond SWB-2: SWB-2

Peak Elev=142.66' Storage=15,203 cf Inflow=13.01 cfs 1.186 af
Outflow=6.16 cfs 1.068 af

Link CULVERT: CULVERT

Inflow=11.37 cfs 1.821 af
Primary=11.37 cfs 1.821 af

Link WETLANDS: WETLANDS

Inflow=3.15 cfs 0.613 af
Primary=3.15 cfs 0.613 af

Total Runoff Area = 12.125 ac Runoff Volume = 2.701 af Average Runoff Depth = 2.67"
88.46% Pervious = 10.726 ac 11.54% Impervious = 1.399 ac

Crickets Corner Post Development

NOAA10 24-hr D 25-Year Rainfall=6.19"

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Page 34

Summary for Subcatchment DA-1A: DA-1A

Runoff = 8.10 cfs @ 12.18 hrs, Volume= 0.652 af, Depth= 3.75"
 Routed to Pond SWB-1 : SWB-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
 NOAA10 24-hr D 25-Year Rainfall=6.19"

Area (sf)	CN	Description
9,337	55	Woods, Good, HSG B
4,940	77	Woods, Good, HSG D
36,540	61	>75% Grass cover, Good, HSG B
33,233	98	Paved parking, HSG B
6,893	98	Water Surface, 0% imp, HSG B
90,943	78	Weighted Average
57,710		63.46% Pervious Area
33,233		36.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	50	0.1760	0.17		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
3.0	305	0.1140	1.69		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
1.7	202	0.0770	1.94		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.5	194	0.0130	6.11	4.80	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	62	0.1600	21.44	16.84	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
10.2	813	Total			

Crickets Corner Post Development

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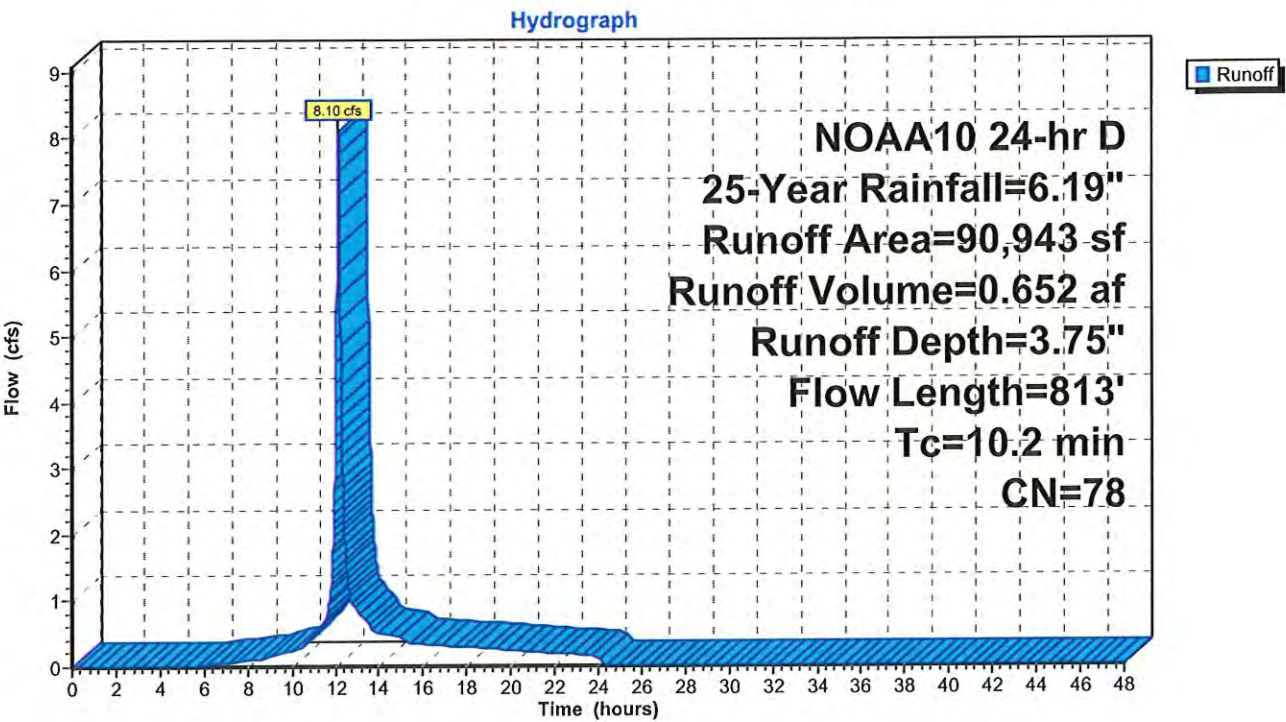
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Page 35

Subcatchment DA-1A: DA-1A



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Page 36

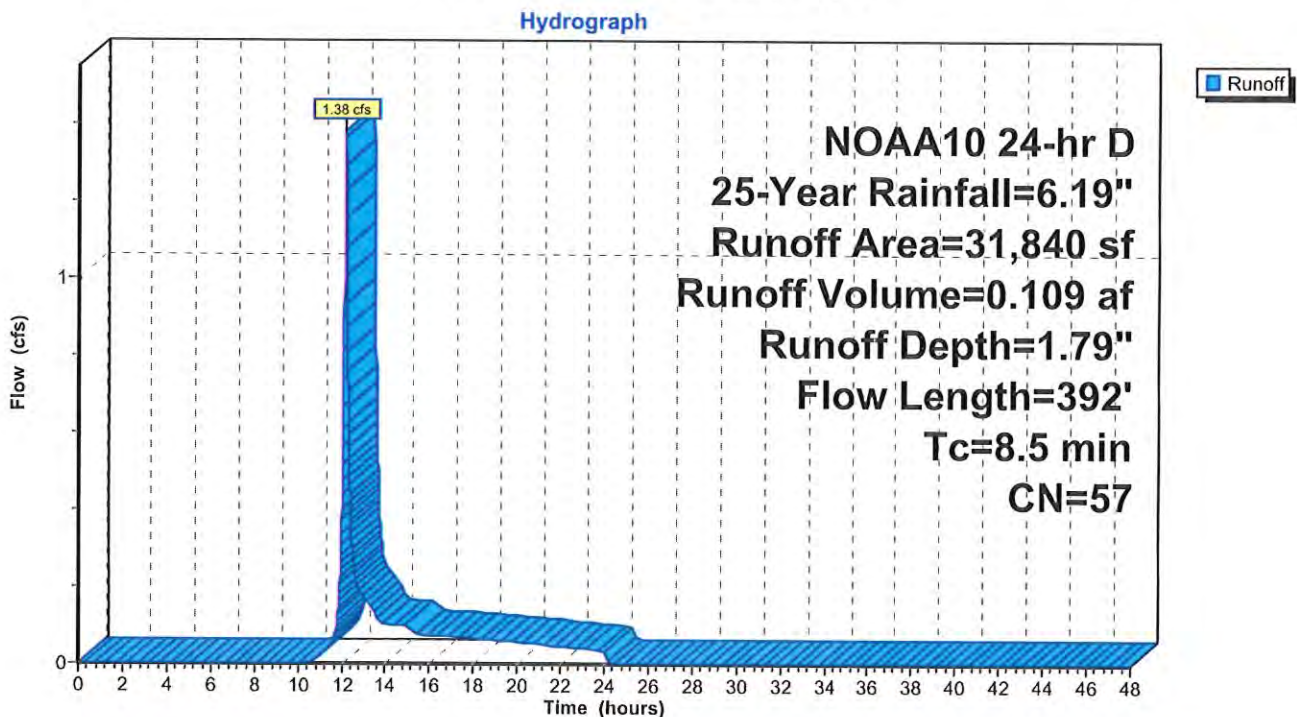
Summary for Subcatchment DA-1B: DA-1B

Runoff = 1.38 cfs @ 12.16 hrs, Volume= 0.109 af, Depth= 1.79"
Routed to Link WETLANDS : WETLANDS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 25-Year Rainfall=6.19"

Area (sf)	CN	Description
24,680	55	Woods, Good, HSG B
773	77	Woods, Good, HSG D
6,387	61	>75% Grass cover, Good, HSG B
31,840	57	Weighted Average
31,840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.5	50	0.1360	0.15		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
1.9	187	0.1080	1.64		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
0.7	105	0.1120	2.34		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.4	50	0.1660	2.04		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
8.5	392	Total			

Subcatchment DA-1B: DA-1B

Crickets Corner Post Development

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Page 37

Summary for Subcatchment DA-2A: DA-2A

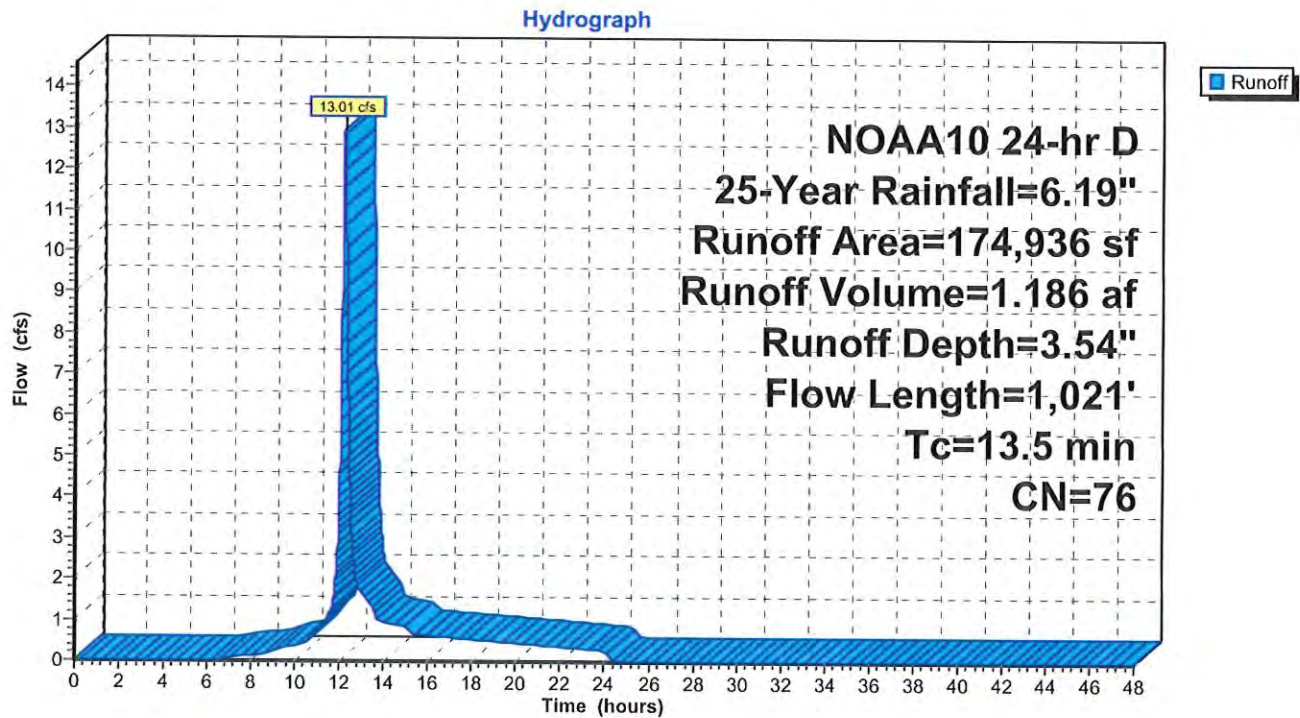
Runoff = 13.01 cfs @ 12.21 hrs, Volume= 1.186 af, Depth= 3.54"
 Routed to Pond SWB-2 : SWB-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
 NOAA10 24-hr D 25-Year Rainfall=6.19"

Area (sf)	CN	Description
13,621	55	Woods, Good, HSG B
87,108	77	Woods, Good, HSG D
34,537	61	>75% Grass cover, Good, HSG B
4,029	80	>75% Grass cover, Good, HSG D
27,720	98	Paved parking, HSG B
7,921	98	Water Surface, 0% imp, HSG B
174,936	76	Weighted Average
147,216		84.15% Pervious Area
27,720		15.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3	50	0.1480	0.16		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
5.1	577	0.1400	1.87		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
2.8	223	0.0350	1.31		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.0	16	0.0810	15.26	11.98	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	21	0.0240	8.31	6.52	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.3	134	0.0150	7.62	9.35	Pipe Channel, RCP_Round 15" 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.011 Concrete pipe, straight & clean
13.5	1,021	Total			

Subcatchment DA-2A: DA-2A



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Page 39

Summary for Subcatchment DA-2B: DA-2B

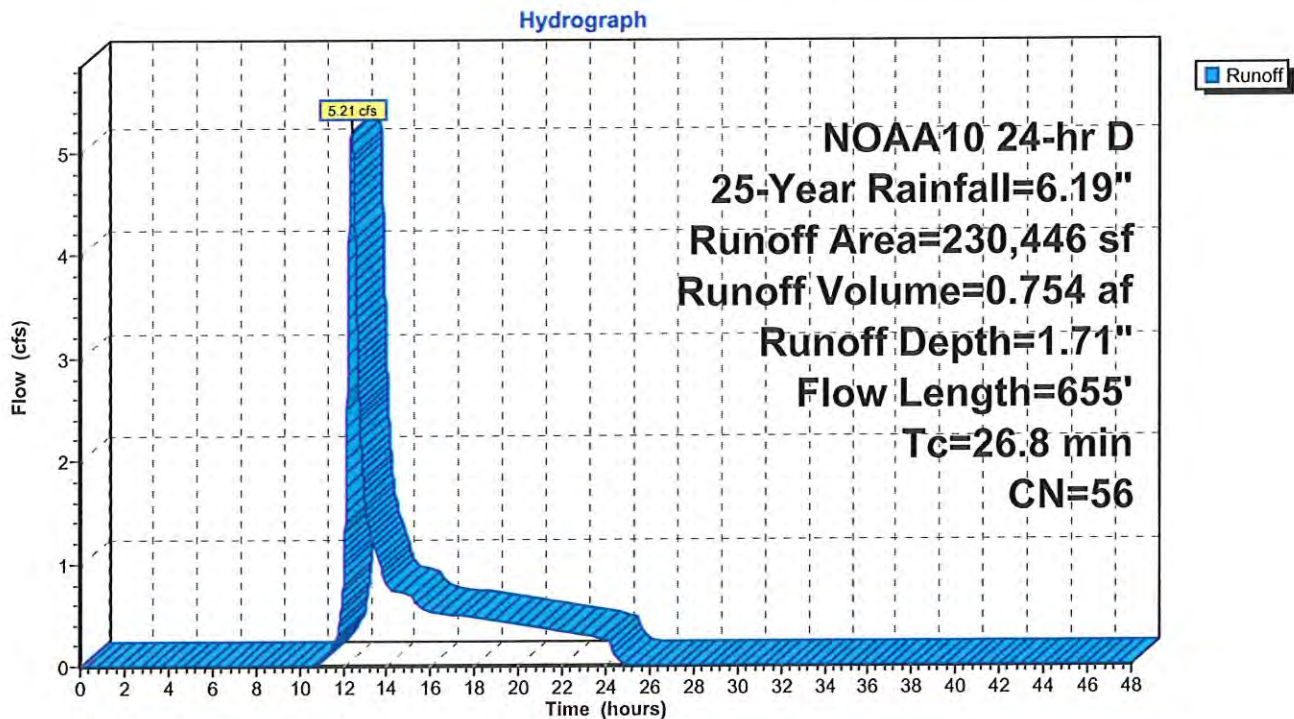
Runoff = 5.21 cfs @ 12.40 hrs, Volume= 0.754 af, Depth= 1.71"
Routed to Link CULVERT : CULVERT

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 25-Year Rainfall=6.19"

Area (sf)	CN	Description
185,901	55	Woods, Good, HSG B
44,545	61	>75% Grass cover, Good, HSG B
230,446	56	Weighted Average
230,446		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.6	50	0.0020	0.06		Sheet Flow, Sheet Grass Grass: Short n= 0.150 P2= 3.45"
0.7	50	0.0280	1.17		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
12.5	555	0.0220	0.74		Shallow Concentrated Flow, Shallow Woods Woodland Kv= 5.0 fps
26.8	655	Total			

Subcatchment DA-2B: DA-2B



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Page 40

Summary for Pond SWB-1: SWB-1

Inflow Area = 2.088 ac, 36.54% Impervious, Inflow Depth = 3.75" for 25-Year event
 Inflow = 8.10 cfs @ 12.18 hrs, Volume= 0.652 af
 Outflow = 2.64 cfs @ 12.39 hrs, Volume= 0.504 af, Atten= 67%, Lag= 12.6 min
 Primary = 2.64 cfs @ 12.39 hrs, Volume= 0.504 af
 Routed to Link WETLANDS : WETLANDS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
 Peak Elev= 160.48' @ 12.39 hrs Surf.Area= 9,665 sf Storage= 11,325 cf

Plug-Flow detention time= 216.0 min calculated for 0.504 af (77% of inflow)
 Center-of-Mass det. time= 116.0 min (962.5 - 846.5)

Volume	Invert	Avail.Storage	Storage Description
#1	156.00'	1,046 cf	Forebay (Prismatic) Listed below (Recalc)
#2	158.00'	3,143 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	159.00'	16,486 cf	Upper Basin (Prismatic) Listed below (Recalc)
		20,674 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
156.00	67	0	0
158.00	411	478	478
159.00	724	568	1,046

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
158.00	2,808	0	0
159.00	3,477	3,143	3,143

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
159.00	4,201	0	0
160.00	5,026	4,614	4,614
162.00	6,846	11,872	16,486

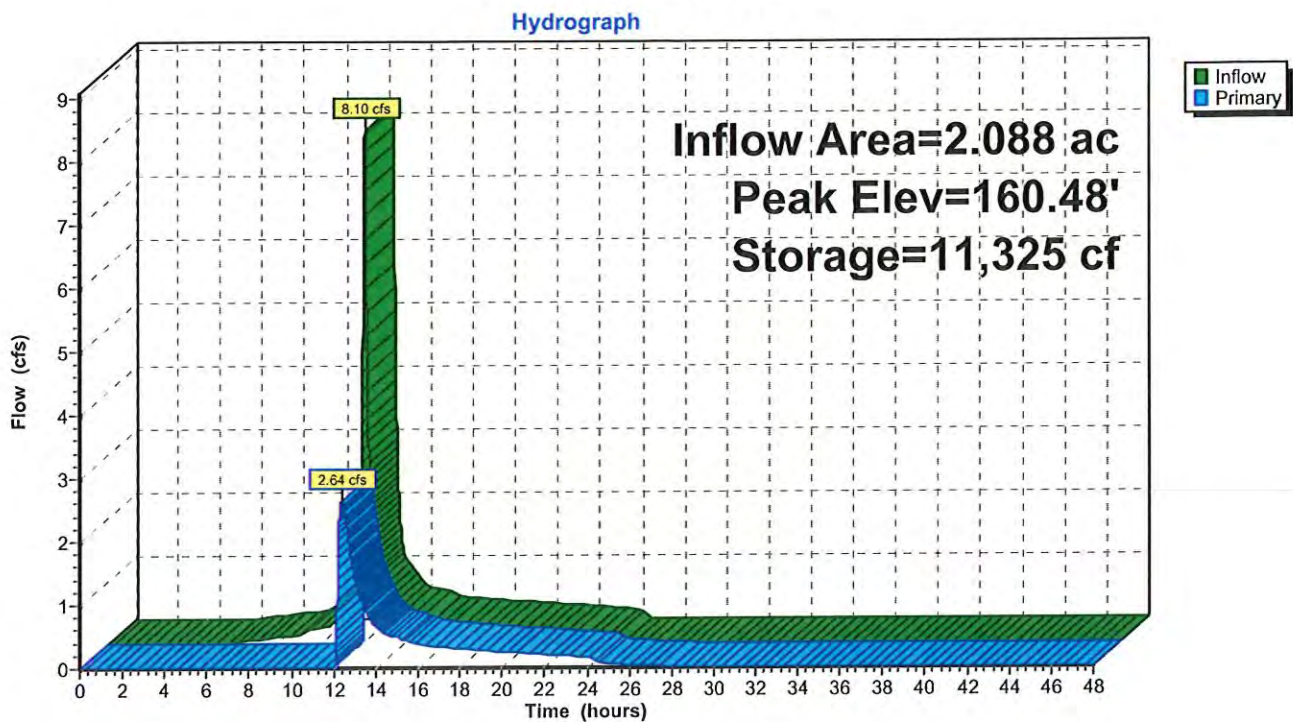
Device	Routing	Invert	Outlet Devices
#1	Primary	161.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	159.50'	12.0" Round Culvert L= 33.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 159.50' / 158.50' S= 0.0303 '/' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 0.79 sf

Primary OutFlow Max=2.64 cfs @ 12.39 hrs HW=160.48' TW=0.00' (Dynamic Tailwater)

1=Spillway (Controls 0.00 cfs)

2=Culvert (Inlet Controls 2.64 cfs @ 3.37 fps)

Pond SWB-1: SWB-1



Crickets Corner Post Development

NOAA10 24-hr D 25-Year Rainfall=6.19"

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Page 42

Summary for Pond SWB-2: SWB-2

Inflow Area = 4.016 ac, 15.85% Impervious, Inflow Depth = 3.54" for 25-Year event
 Inflow = 13.01 cfs @ 12.21 hrs, Volume= 1.186 af
 Outflow = 6.16 cfs @ 12.40 hrs, Volume= 1.068 af, Atten= 53%, Lag= 11.0 min
 Primary = 6.16 cfs @ 12.40 hrs, Volume= 1.068 af
 Routed to Link CULVERT : CULVERT

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
 Peak Elev= 142.66' @ 12.40 hrs Surf.Area= 11,888 sf Storage= 15,203 cf

Plug-Flow detention time= 123.5 min calculated for 1.068 af (90% of inflow)
 Center-of-Mass det. time= 71.9 min (928.1 - 856.3)

Volume	Invert	Avail.Storage	Storage Description
#1	138.00'	1,687 cf	Forebay (Prismatic) Listed below (Recalc)
#2	140.00'	3,668 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	141.00'	19,665 cf	Upper Basin (Prismatic) Listed below (Recalc)
		25,020 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
138.00	131	0	0
140.00	661	792	792
141.00	1,129	895	1,687

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
140.00	3,272	0	0
141.00	4,064	3,668	3,668

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
141.00	5,192	0	0
142.00	6,063	5,628	5,628
144.00	7,974	14,037	19,665

Device	Routing	Invert	Outlet Devices
#1	Primary	143.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	140.95'	15.0" Round Culvert L= 76.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 140.95' / 140.30' S= 0.0086 '/' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 1.23 sf

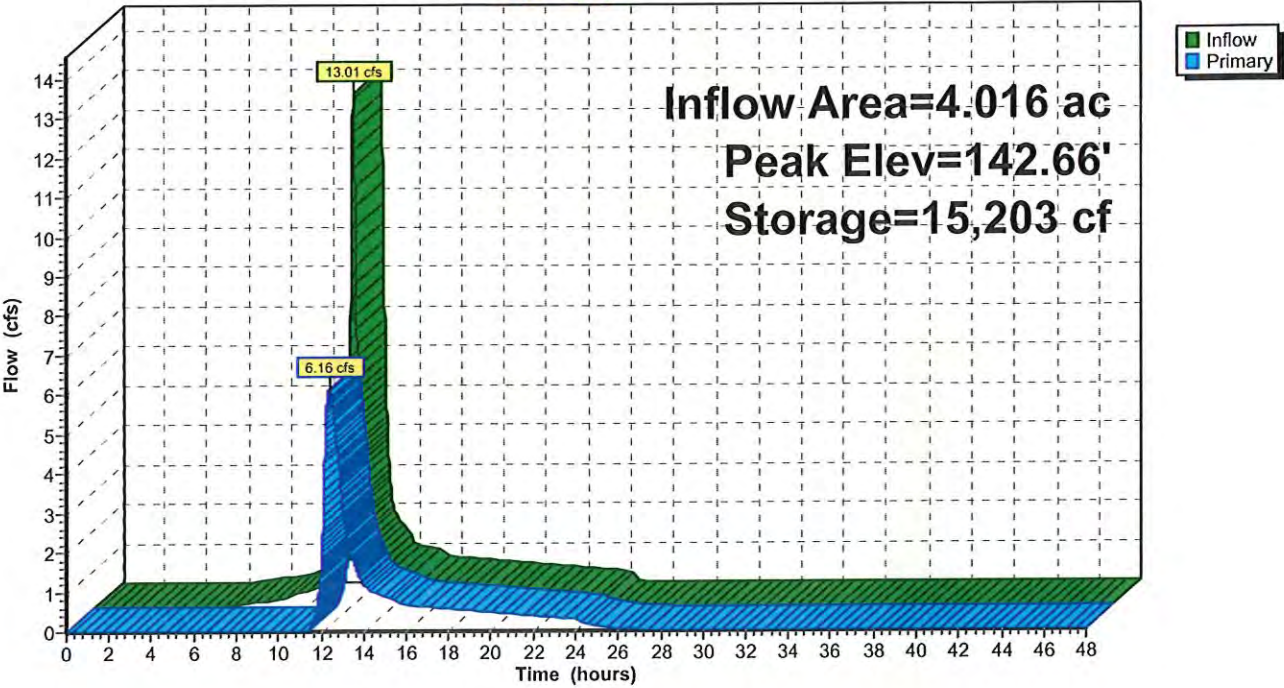
Primary OutFlow Max=6.16 cfs @ 12.40 hrs HW=142.66' TW=0.00' (Dynamic Tailwater)

1=Spillway (Controls 0.00 cfs)

2=Culvert (Inlet Controls 6.16 cfs @ 5.02 fps)

Pond SWB-2: SWB-2

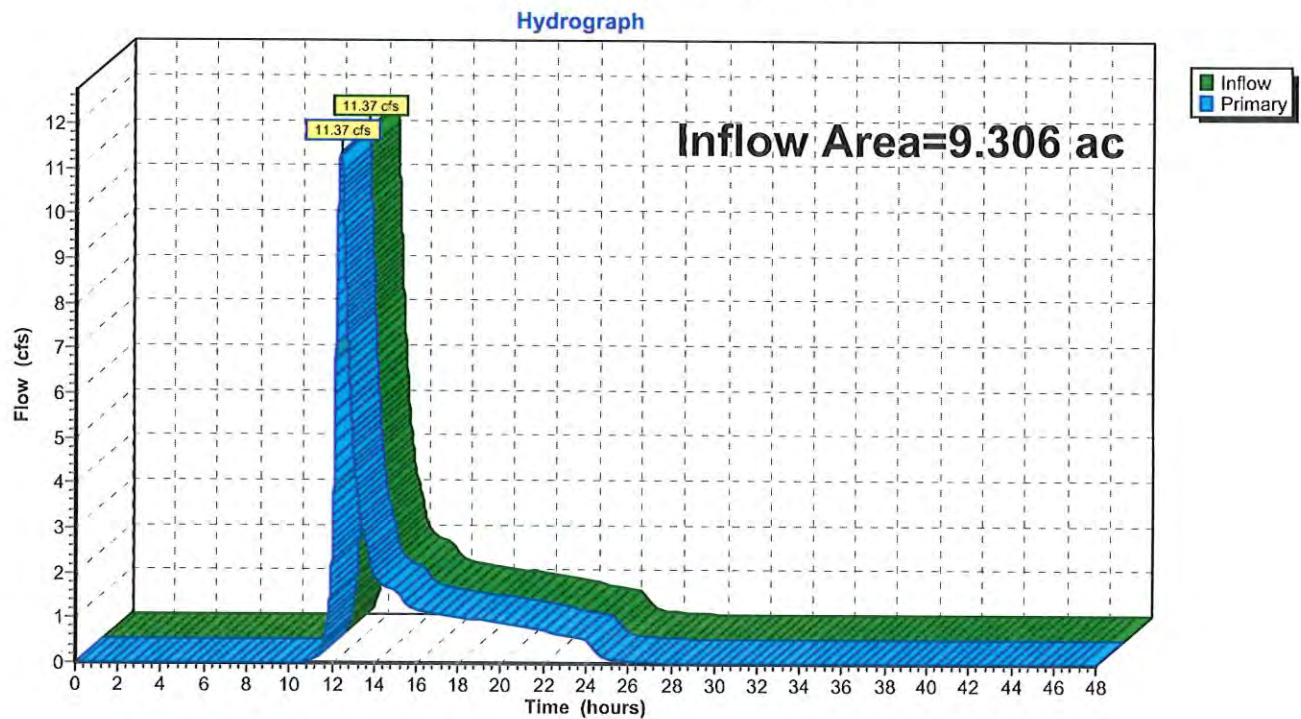
Hydrograph



Summary for Link CULVERT: CULVERT

Inflow Area = 9.306 ac, 6.84% Impervious, Inflow Depth = 2.35" for 25-Year event
Inflow = 11.37 cfs @ 12.40 hrs, Volume= 1.821 af
Primary = 11.37 cfs @ 12.40 hrs, Volume= 1.821 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link CULVERT: CULVERT

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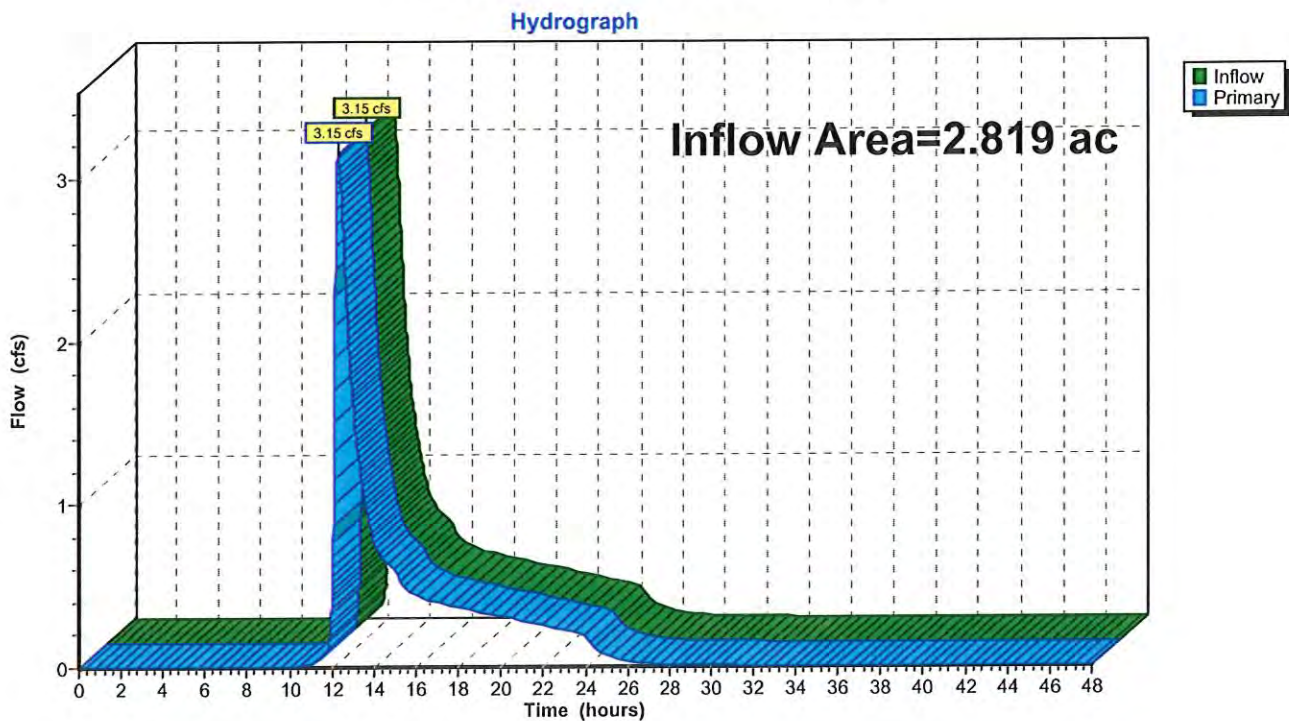
Page 45

Summary for Link WETLANDS: WETLANDS

Inflow Area = 2.819 ac, 27.07% Impervious, Inflow Depth > 2.61" for 25-Year event
Inflow = 3.15 cfs @ 12.29 hrs, Volume= 0.613 af
Primary = 3.15 cfs @ 12.29 hrs, Volume= 0.613 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link WETLANDS: WETLANDS



Crickets Corner Post Development

NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 46

Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points x 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentDA-1A: DA-1ARunoff Area=90,943 sf 36.54% Impervious Runoff Depth=4.46"
Flow Length=813' Tc=10.2 min CN=78 Runoff=9.59 cfs 0.775 af**SubcatchmentDA-1B: DA-1B**Runoff Area=31,840 sf 0.00% Impervious Runoff Depth=2.30"
Flow Length=392' Tc=8.5 min CN=57 Runoff=1.82 cfs 0.140 af**SubcatchmentDA-2A: DA-2A**Runoff Area=174,936 sf 15.85% Impervious Runoff Depth=4.24"
Flow Length=1,021' Tc=13.5 min CN=76 Runoff=15.52 cfs 1.419 af**SubcatchmentDA-2B: DA-2B**Runoff Area=230,446 sf 0.00% Impervious Runoff Depth=2.21"
Flow Length=655' Tc=26.8 min CN=56 Runoff=6.96 cfs 0.972 af**Pond SWB-1: SWB-1**Peak Elev=160.80' Storage=13,100 cf Inflow=9.59 cfs 0.775 af
Outflow=3.38 cfs 0.627 af**Pond SWB-2: SWB-2**Peak Elev=142.99' Storage=17,440 cf Inflow=15.52 cfs 1.419 af
Outflow=7.02 cfs 1.300 af**Link CULVERT: CULVERT**Inflow=13.98 cfs 2.272 af
Primary=13.98 cfs 2.272 af**Link WETLANDS: WETLANDS**Inflow=4.31 cfs 0.768 af
Primary=4.31 cfs 0.768 af**Total Runoff Area = 12.125 ac Runoff Volume = 3.306 af Average Runoff Depth = 3.27"**
88.46% Pervious = 10.726 ac 11.54% Impervious = 1.399 ac

Crickets Corner Post Development

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NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 47

Summary for Subcatchment DA-1A: DA-1A

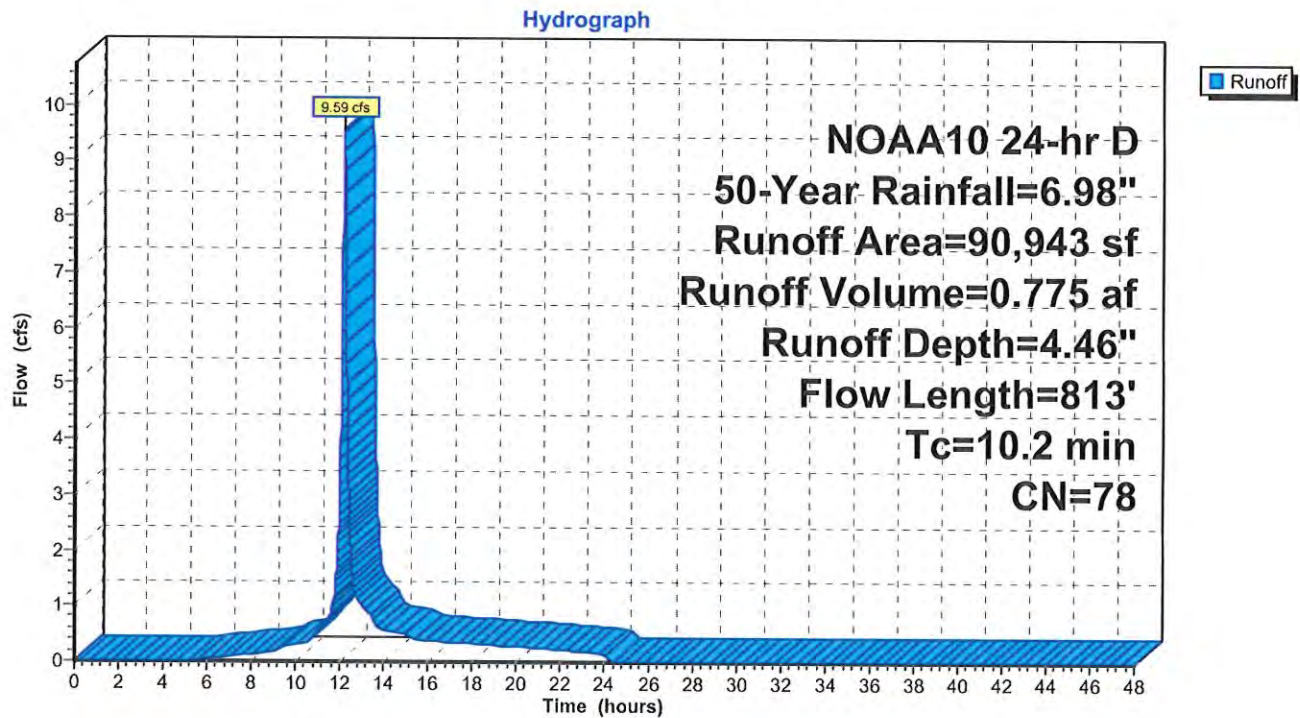
Runoff = 9.59 cfs @ 12.18 hrs, Volume= 0.775 af, Depth= 4.46"
Routed to Pond SWB-1 : SWB-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 50-Year Rainfall=6.98"

Area (sf)	CN	Description
9,337	55	Woods, Good, HSG B
4,940	77	Woods, Good, HSG D
36,540	61	>75% Grass cover, Good, HSG B
33,233	98	Paved parking, HSG B
6,893	98	Water Surface, 0% imp, HSG B
90,943	78	Weighted Average
57,710		63.46% Pervious Area
33,233		36.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	50	0.1760	0.17		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
3.0	305	0.1140	1.69		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
1.7	202	0.0770	1.94		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.5	194	0.0130	6.11	4.80	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	62	0.1600	21.44	16.84	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
10.2	813	Total			

Subcatchment DA-1A: DA-1A



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NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 49

Summary for Subcatchment DA-1B: DA-1B

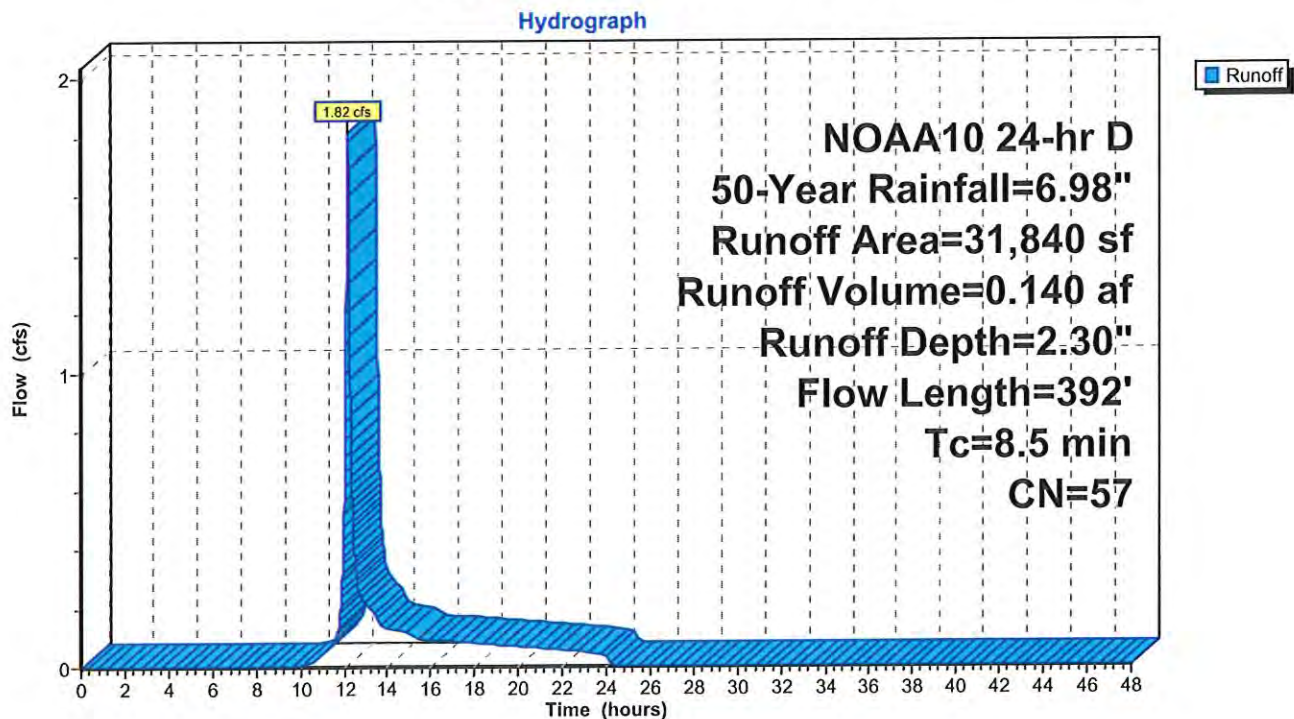
Runoff = 1.82 cfs @ 12.16 hrs, Volume= 0.140 af, Depth= 2.30"
Routed to Link WETLANDS : WETLANDS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 50-Year Rainfall=6.98"

Area (sf)	CN	Description
24,680	55	Woods, Good, HSG B
773	77	Woods, Good, HSG D
6,387	61	>75% Grass cover, Good, HSG B
31,840	57	Weighted Average
31,840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.5	50	0.1360	0.15		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
1.9	187	0.1080	1.64		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
0.7	105	0.1120	2.34		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.4	50	0.1660	2.04		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
8.5	392	Total			

Subcatchment DA-1B: DA-1B



Crickets Corner Post Development

NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 50

Summary for Subcatchment DA-2A: DA-2A

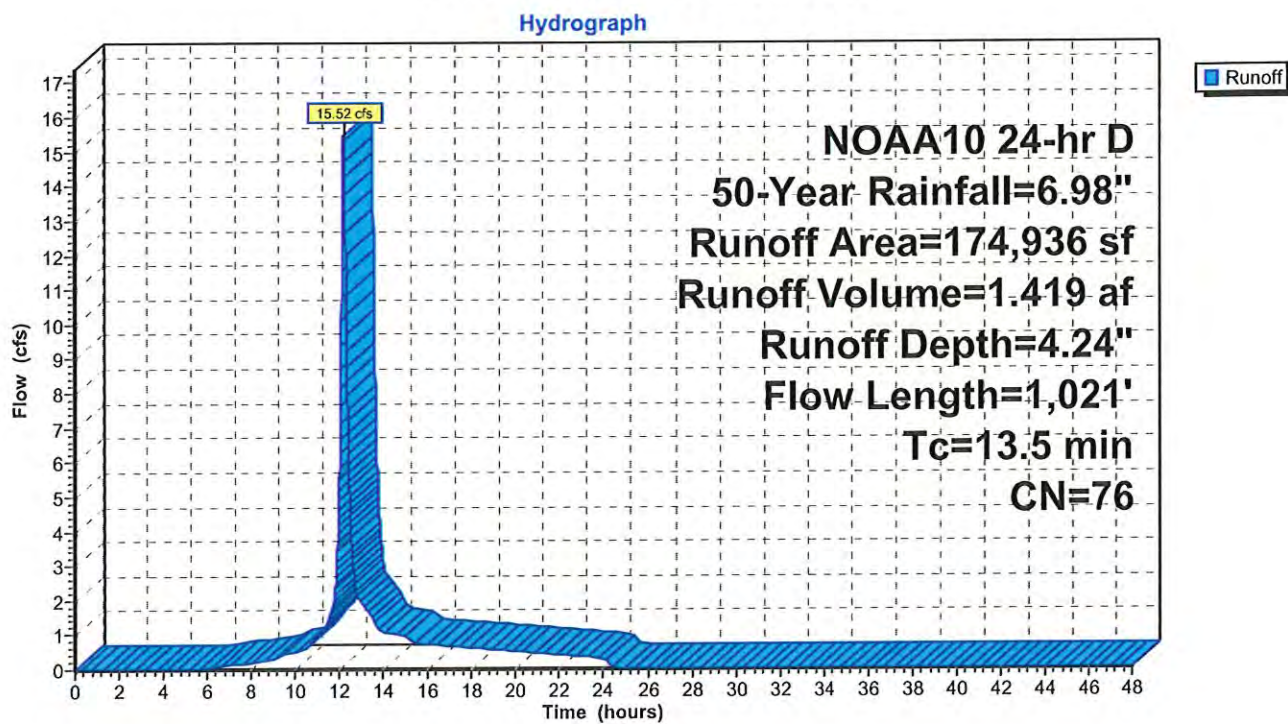
Runoff = 15.52 cfs @ 12.21 hrs, Volume= 1.419 af, Depth= 4.24"
 Routed to Pond SWB-2 : SWB-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
 NOAA10 24-hr D 50-Year Rainfall=6.98"

Area (sf)	CN	Description
13,621	55	Woods, Good, HSG B
87,108	77	Woods, Good, HSG D
34,537	61	>75% Grass cover, Good, HSG B
4,029	80	>75% Grass cover, Good, HSG D
27,720	98	Paved parking, HSG B
7,921	98	Water Surface, 0% imp, HSG B
174,936	76	Weighted Average
147,216		84.15% Pervious Area
27,720		15.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3	50	0.1480	0.16		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
5.1	577	0.1400	1.87		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
2.8	223	0.0350	1.31		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.0	16	0.0810	15.26	11.98	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	21	0.0240	8.31	6.52	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.3	134	0.0150	7.62	9.35	Pipe Channel, RCP_Round 15" 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.011 Concrete pipe, straight & clean
13.5	1,021	Total			

Subcatchment DA-2A: DA-2A



Crickets Corner Post Development

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NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 52

Summary for Subcatchment DA-2B: DA-2B

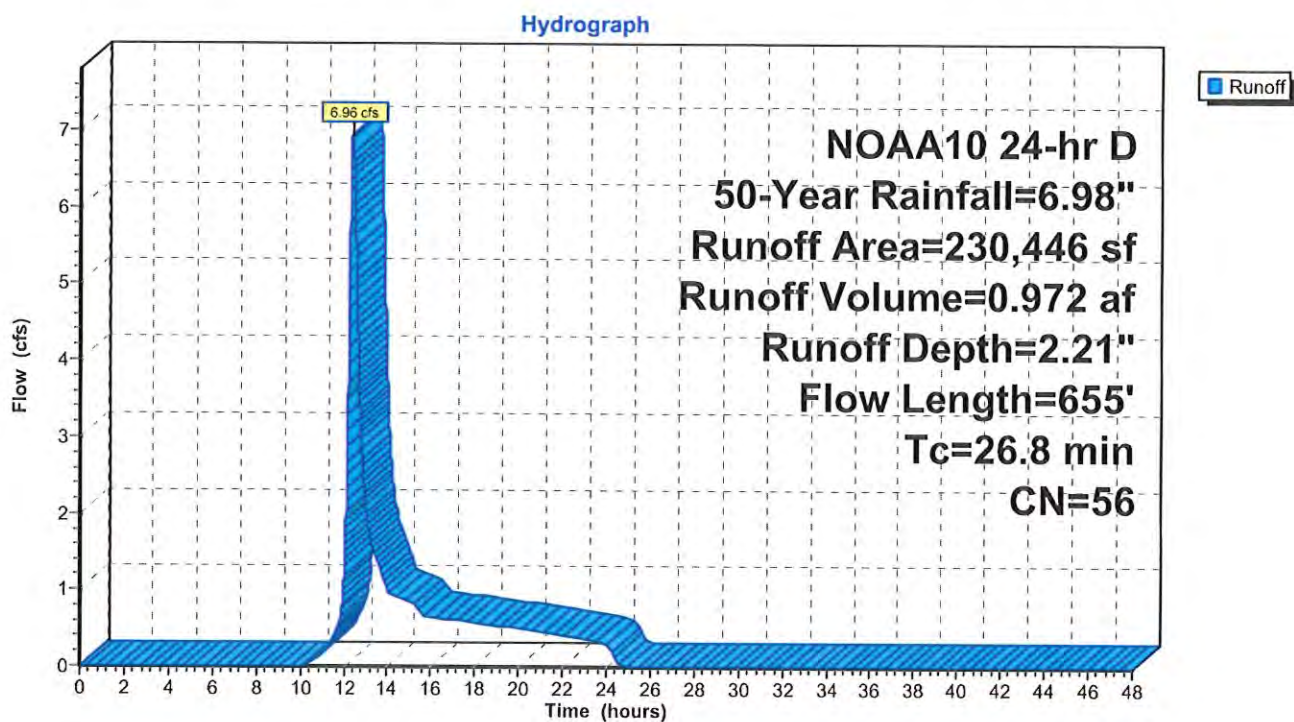
Runoff = 6.96 cfs @ 12.39 hrs, Volume= 0.972 af, Depth= 2.21"
Routed to Link CULVERT : CULVERT

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 50-Year Rainfall=6.98"

Area (sf)	CN	Description
185,901	55	Woods, Good, HSG B
44,545	61	>75% Grass cover, Good, HSG B
230,446	56	Weighted Average
230,446		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.6	50	0.0020	0.06		Sheet Flow, Sheet Grass Grass: Short n= 0.150 P2= 3.45"
0.7	50	0.0280	1.17		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
12.5	555	0.0220	0.74		Shallow Concentrated Flow, Shallow Woods Woodland Kv= 5.0 fps
26.8	655	Total			

Subcatchment DA-2B: DA-2B



Crickets Corner Post Development

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NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 53

Summary for Pond SWB-1: SWB-1

Inflow Area = 2.088 ac, 36.54% Impervious, Inflow Depth = 4.46" for 50-Year event
Inflow = 9.59 cfs @ 12.18 hrs, Volume= 0.775 af
Outflow = 3.38 cfs @ 12.37 hrs, Volume= 0.627 af, Atten= 65%, Lag= 11.6 min
Primary = 3.38 cfs @ 12.37 hrs, Volume= 0.627 af
Routed to Link WETLANDS : WETLANDS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 160.80' @ 12.37 hrs Surf.Area= 9,953 sf Storage= 13,100 cf

Plug-Flow detention time= 193.4 min calculated for 0.627 af (81% of inflow)
Center-of-Mass det. time= 104.8 min (944.5 - 839.7)

Volume	Invert	Avail.Storage	Storage Description
#1	156.00'	1,046 cf	Forebay (Prismatic) Listed below (Recalc)
#2	158.00'	3,143 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	159.00'	16,486 cf	Upper Basin (Prismatic) Listed below (Recalc)
20,674 cf			Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
156.00	67	0	0
158.00	411	478	478
159.00	724	568	1,046

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
158.00	2,808	0	0
159.00	3,477	3,143	3,143

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
159.00	4,201	0	0
160.00	5,026	4,614	4,614
162.00	6,846	11,872	16,486

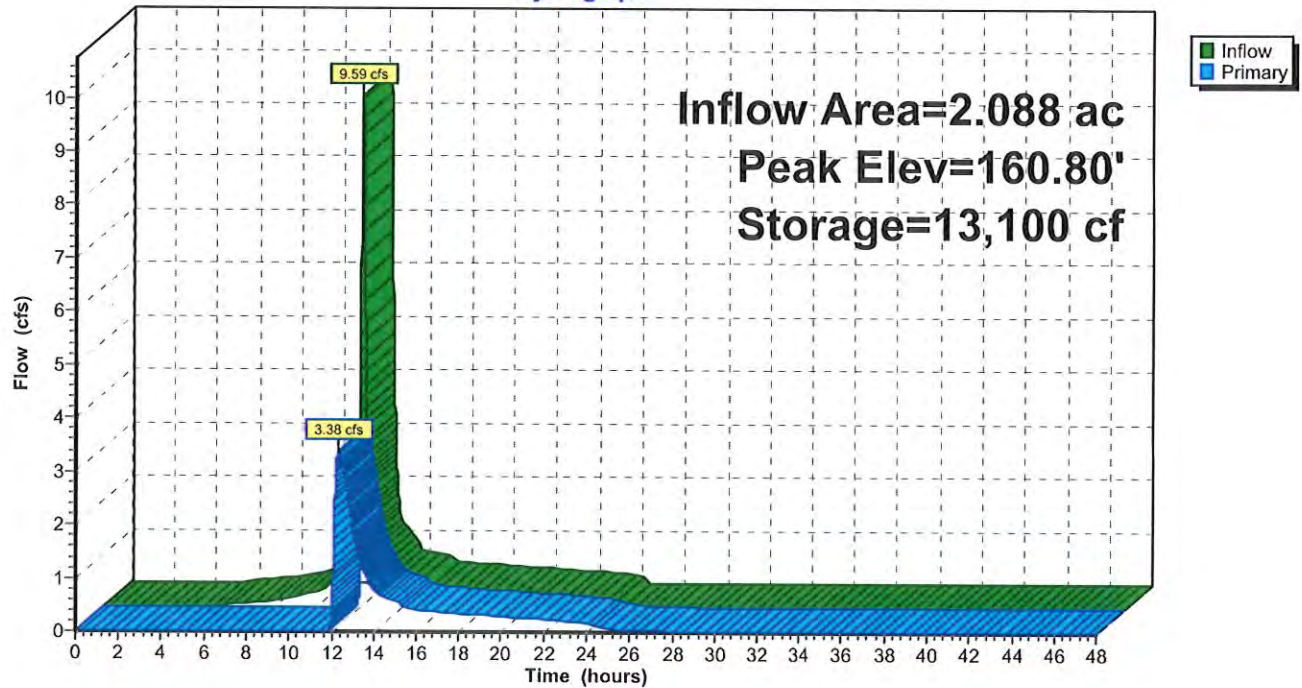
Device	Routing	Invert	Outlet Devices
#1	Primary	161.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	159.50'	12.0" Round Culvert L= 33.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 159.50' / 158.50' S= 0.0303 ' / ' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 0.79 sf

Primary OutFlow Max=3.38 cfs @ 12.37 hrs HW=160.80' TW=0.00' (Dynamic Tailwater)

- 1=Spillway (Controls 0.00 cfs)
2=Culvert (Inlet Controls 3.38 cfs @ 4.30 fps)

Pond SWB-1: SWB-1

Hydrograph



Crickets Corner Post Development

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NOAA10 24-hr D 50-Year Rainfall=6.98"

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Page 55

Summary for Pond SWB-2: SWB-2

Inflow Area = 4.016 ac, 15.85% Impervious, Inflow Depth = 4.24" for 50-Year event
Inflow = 15.52 cfs @ 12.21 hrs, Volume= 1.419 af
Outflow = 7.02 cfs @ 12.41 hrs, Volume= 1.300 af, Atten= 55%, Lag= 11.5 min
Primary = 7.02 cfs @ 12.41 hrs, Volume= 1.300 af
Routed to Link CULVERT : CULVERT

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
Peak Elev= 142.99' @ 12.41 hrs Surf.Area= 12,200 sf Storage= 17,440 cf

Plug-Flow detention time= 111.5 min calculated for 1.300 af (92% of inflow)
Center-of-Mass det. time= 67.2 min (916.3 - 849.2)

Volume	Invert	Avail.Storage	Storage Description
#1	138.00'	1,687 cf	Forebay (Prismatic) Listed below (Recalc)
#2	140.00'	3,668 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	141.00'	19,665 cf	Upper Basin (Prismatic) Listed below (Recalc)
		25,020 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
138.00	131	0	0
140.00	661	792	792
141.00	1,129	895	1,687

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
140.00	3,272	0	0
141.00	4,064	3,668	3,668

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
141.00	5,192	0	0
142.00	6,063	5,628	5,628
144.00	7,974	14,037	19,665

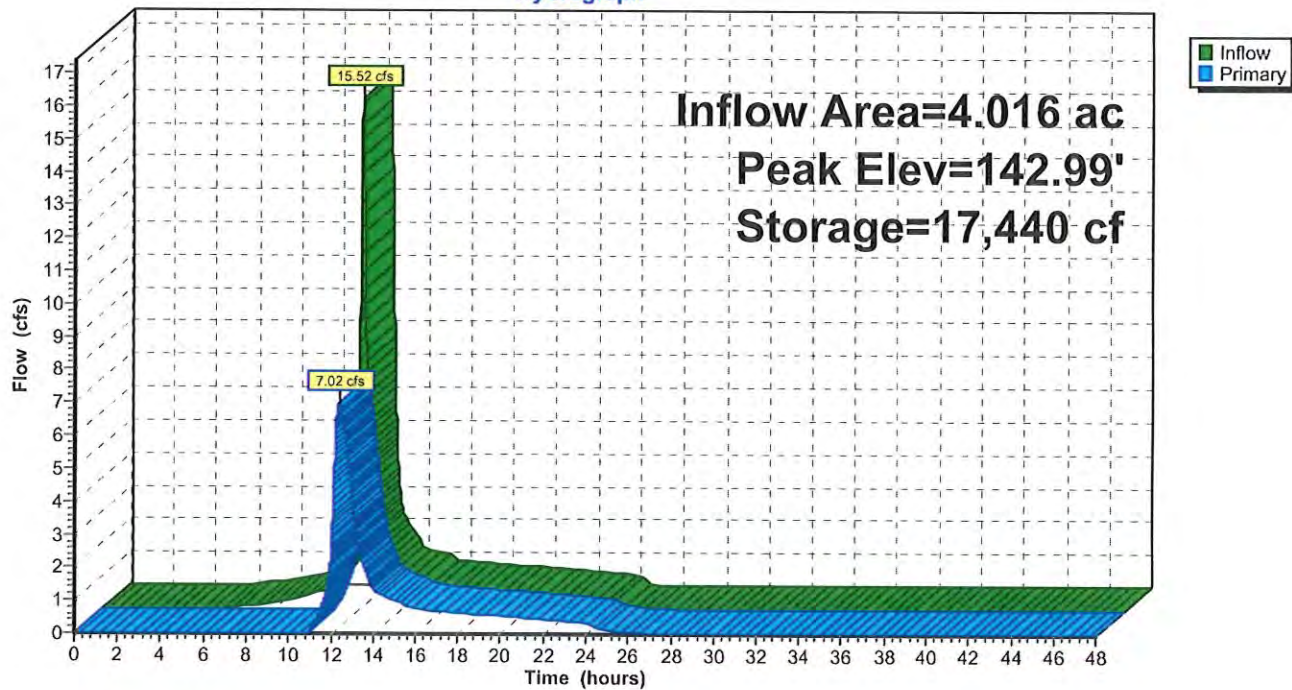
Device	Routing	Invert	Outlet Devices
#1	Primary	143.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	140.95'	15.0" Round Culvert L= 76.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 140.95' / 140.30' S= 0.0086 ' / ' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 1.23 sf

Primary OutFlow Max=7.02 cfs @ 12.41 hrs HW=142.99' TW=0.00' (Dynamic Tailwater)

1=Spillway (Controls 0.00 cfs)
2=Culvert (Inlet Controls 7.02 cfs @ 5.72 fps)

Pond SWB-2: SWB-2

Hydrograph



Crickets Corner Post Development

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NOAA10 24-hr D 50-Year Rainfall=6.98"

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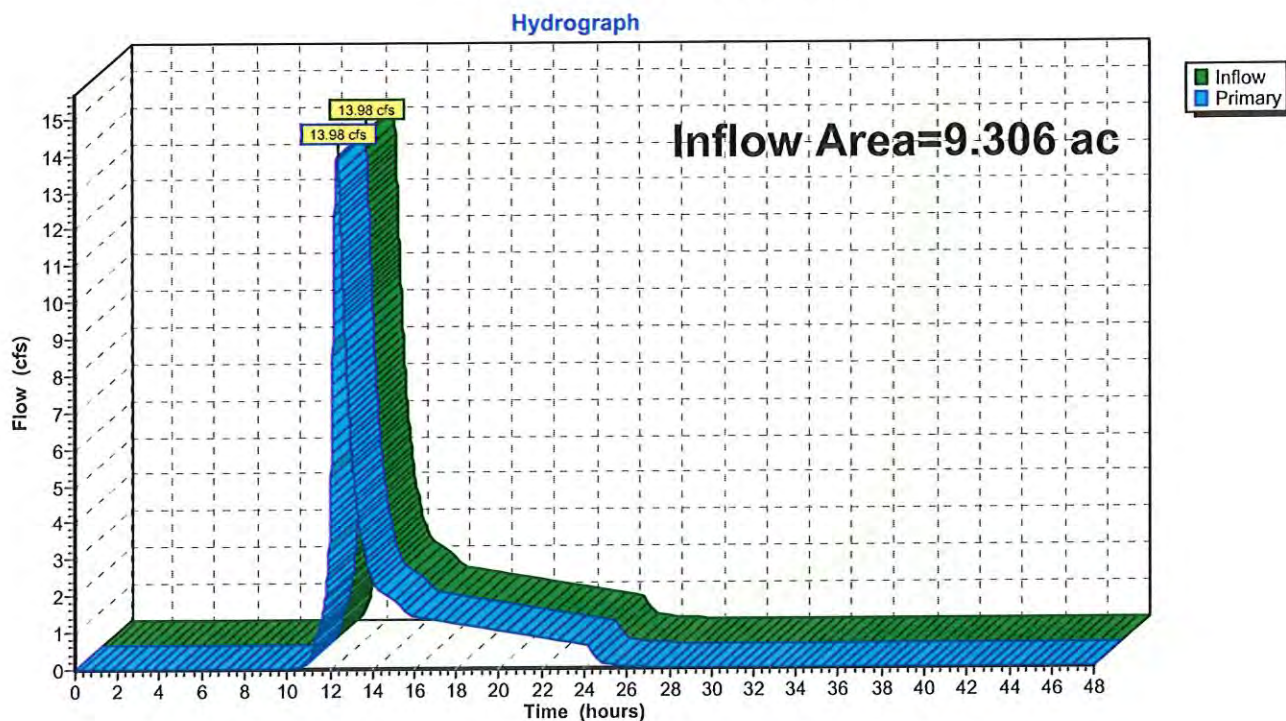
Page 57

Summary for Link CULVERT: CULVERT

Inflow Area = 9.306 ac, 6.84% Impervious, Inflow Depth = 2.93" for 50-Year event
Inflow = 13.98 cfs @ 12.39 hrs, Volume= 2.272 af
Primary = 13.98 cfs @ 12.39 hrs, Volume= 2.272 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

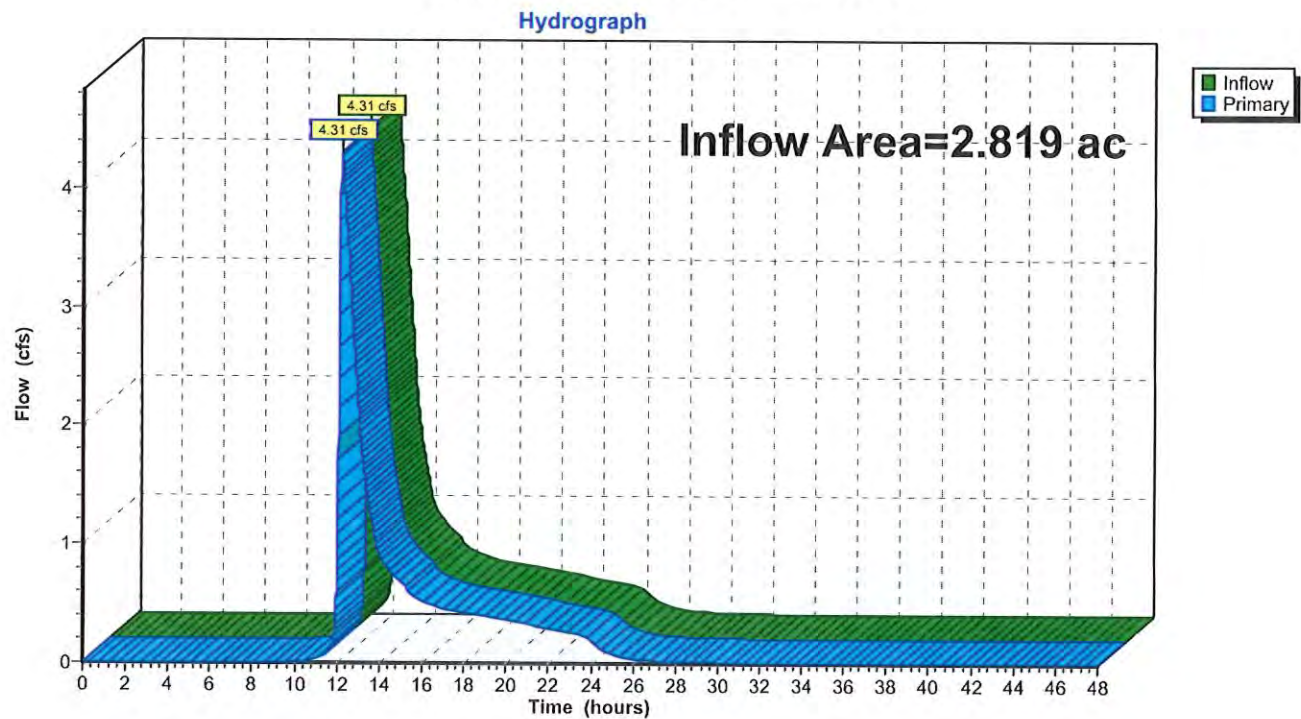
Link CULVERT: CULVERT



Summary for Link WETLANDS: WETLANDS

Inflow Area = 2.819 ac, 27.07% Impervious, Inflow Depth > 3.27" for 50-Year event
Inflow = 4.31 cfs @ 12.21 hrs, Volume= 0.768 af
Primary = 4.31 cfs @ 12.21 hrs, Volume= 0.768 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link WETLANDS: WETLANDS

Crickets Corner Post Development

NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 59

Time span=0.00-48.00 hrs, dt=0.01 hrs, 4801 points x 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

SubcatchmentDA-1A: DA-1A

Runoff Area=90,943 sf 36.54% Impervious Runoff Depth=5.22"
Flow Length=813' Tc=10.2 min CN=78 Runoff=11.18 cfs 0.909 af

SubcatchmentDA-1B: DA-1B

Runoff Area=31,840 sf 0.00% Impervious Runoff Depth=2.87"
Flow Length=392' Tc=8.5 min CN=57 Runoff=2.31 cfs 0.175 af

SubcatchmentDA-2A: DA-2A

Runoff Area=174,936 sf 15.85% Impervious Runoff Depth=4.99"
Flow Length=1,021' Tc=13.5 min CN=76 Runoff=18.21 cfs 1.671 af

SubcatchmentDA-2B: DA-2B

Runoff Area=230,446 sf 0.00% Impervious Runoff Depth=2.77"
Flow Length=655' Tc=26.8 min CN=56 Runoff=8.94 cfs 1.220 af

Pond SWB-1: SWB-1

Peak Elev=161.08' Storage=14,788 cf Inflow=11.18 cfs 0.909 af
Outflow=4.54 cfs 0.761 af

Pond SWB-2: SWB-2

Peak Elev=143.22' Storage=19,093 cf Inflow=18.21 cfs 1.671 af
Outflow=10.10 cfs 1.553 af

Link CULVERT: CULVERT

Inflow=19.00 cfs 2.773 af
Primary=19.00 cfs 2.773 af

Link WETLANDS: WETLANDS

Inflow=5.41 cfs 0.936 af
Primary=5.41 cfs 0.936 af

Total Runoff Area = 12.125 ac Runoff Volume = 3.976 af Average Runoff Depth = 3.93"
88.46% Pervious = 10.726 ac 11.54% Impervious = 1.399 ac

Crickets Corner Post Development

NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 60

Summary for Subcatchment DA-1A: DA-1A

Runoff = 11.18 cfs @ 12.18 hrs, Volume= 0.909 af, Depth= 5.22"
 Routed to Pond SWB-1 : SWB-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
 NOAA10 24-hr D 100-Year Rainfall=7.82"

Area (sf)	CN	Description
9,337	55	Woods, Good, HSG B
4,940	77	Woods, Good, HSG D
36,540	61	>75% Grass cover, Good, HSG B
33,233	98	Paved parking, HSG B
6,893	98	Water Surface, 0% imp, HSG B
90,943	78	Weighted Average
57,710		63.46% Pervious Area
33,233		36.54% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	50	0.1760	0.17		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
3.0	305	0.1140	1.69		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
1.7	202	0.0770	1.94		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.5	194	0.0130	6.11	4.80	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	62	0.1600	21.44	16.84	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
10.2	813	Total			

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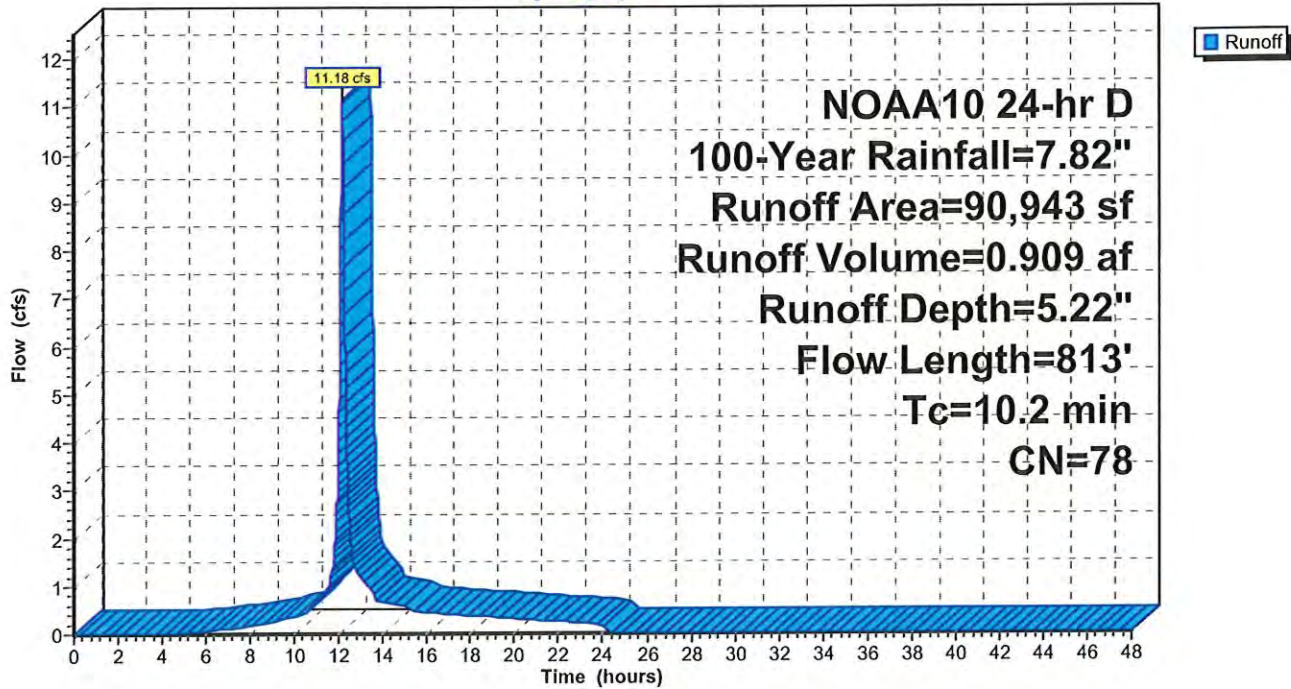
NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 61

Subcatchment DA-1A: DA-1A

Hydrograph



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NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 62

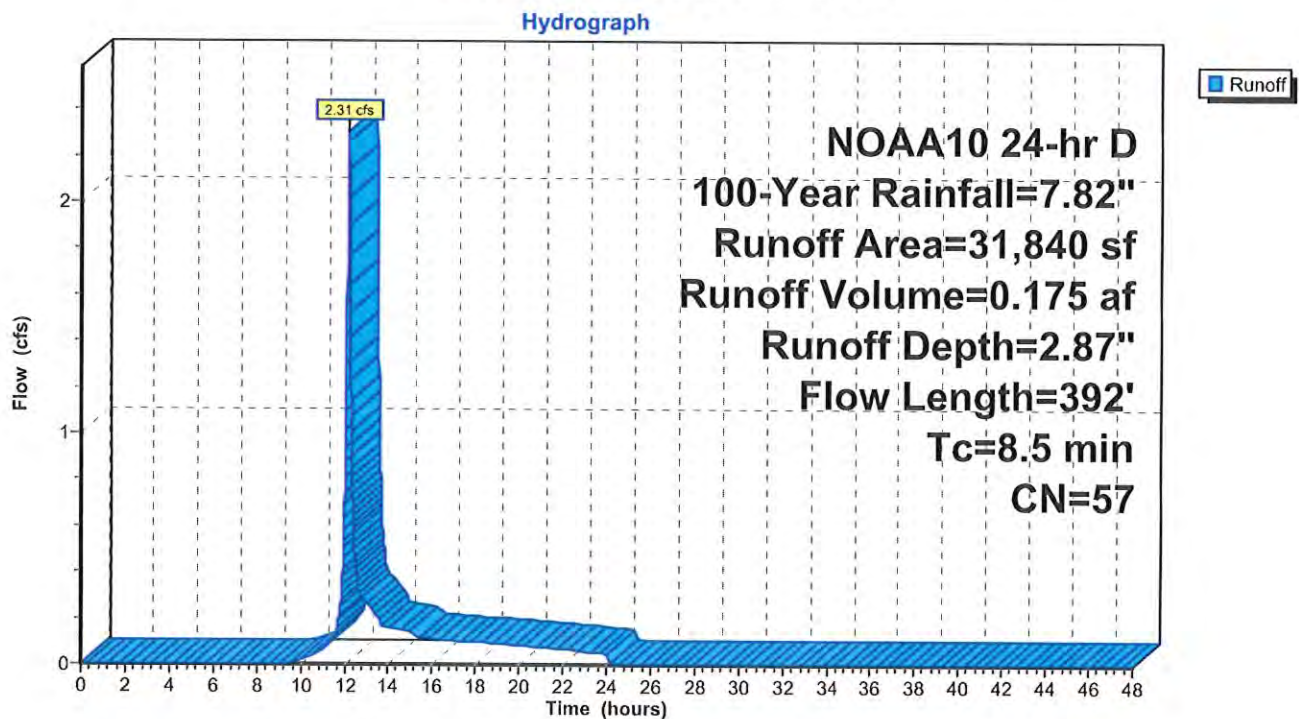
Summary for Subcatchment DA-1B: DA-1B

Runoff = 2.31 cfs @ 12.16 hrs, Volume= 0.175 af, Depth= 2.87"
Routed to Link WETLANDS : WETLANDS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 100-Year Rainfall=7.82"

Area (sf)	CN	Description
24,680	55	Woods, Good, HSG B
773	77	Woods, Good, HSG D
6,387	61	>75% Grass cover, Good, HSG B
31,840	57	Weighted Average
31,840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.5	50	0.1360	0.15		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
1.9	187	0.1080	1.64		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
0.7	105	0.1120	2.34		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.4	50	0.1660	2.04		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
8.5	392	Total			

Subcatchment DA-1B: DA-1B

Crickets Corner Post Development

NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 63

Summary for Subcatchment DA-2A: DA-2A

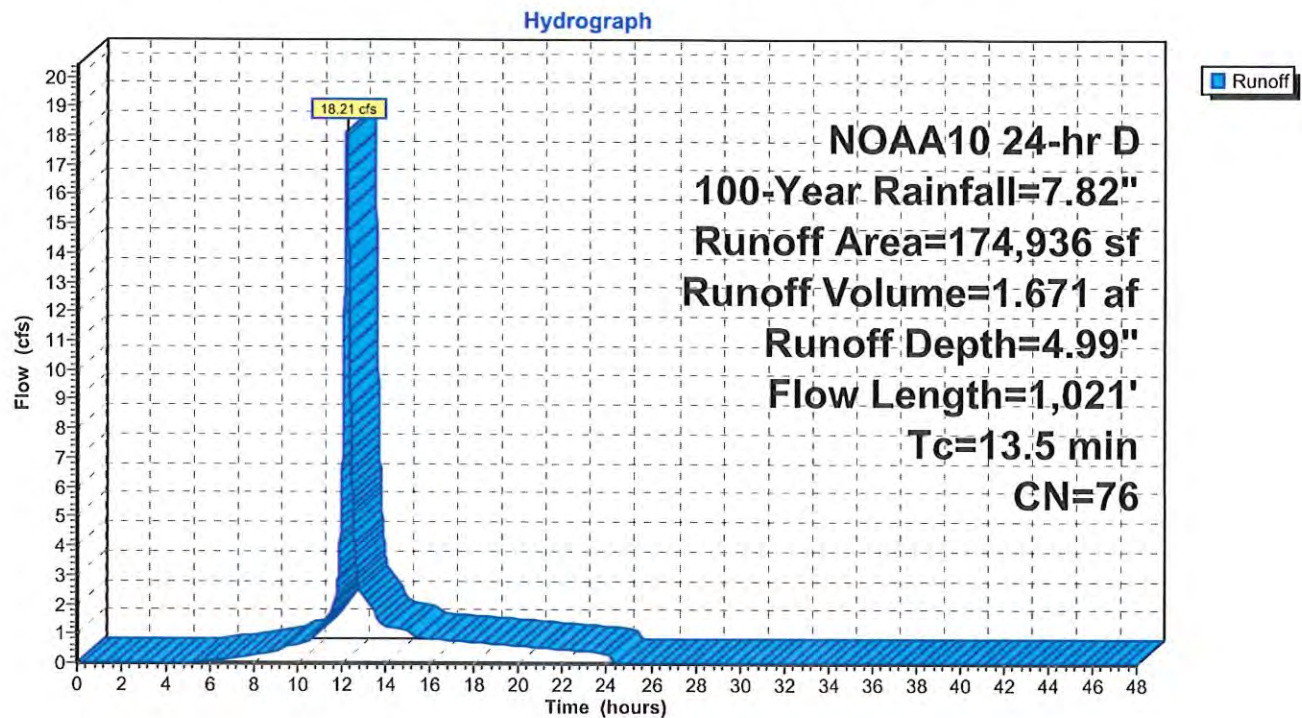
Runoff = 18.21 cfs @ 12.21 hrs, Volume= 1.671 af, Depth= 4.99"
Routed to Pond SWB-2 : SWB-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 100-Year Rainfall=7.82"

Area (sf)	CN	Description
13,621	55	Woods, Good, HSG B
87,108	77	Woods, Good, HSG D
34,537	61	>75% Grass cover, Good, HSG B
4,029	80	>75% Grass cover, Good, HSG D
27,720	98	Paved parking, HSG B
7,921	98	Water Surface, 0% imp, HSG B
174,936	76	Weighted Average
147,216		84.15% Pervious Area
27,720		15.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.3	50	0.1480	0.16		Sheet Flow, Sheet Woods Woods: Light underbrush n= 0.400 P2= 3.45"
5.1	577	0.1400	1.87		Shallow Concentrated Flow, Shallow Woodland Woodland Kv= 5.0 fps
2.8	223	0.0350	1.31		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
0.0	16	0.0810	15.26	11.98	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.0	21	0.0240	8.31	6.52	Pipe Channel, RCP_Round 12" 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 Concrete pipe, straight & clean
0.3	134	0.0150	7.62	9.35	Pipe Channel, RCP_Round 15" 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.011 Concrete pipe, straight & clean
13.5	1,021	Total			

Subcatchment DA-2A: DA-2A



Crickets Corner Post Development

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NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 65

Summary for Subcatchment DA-2B: DA-2B

Runoff = 8.94 cfs @ 12.39 hrs, Volume= 1.220 af, Depth= 2.77"
Routed to Link CULVERT : CULVERT

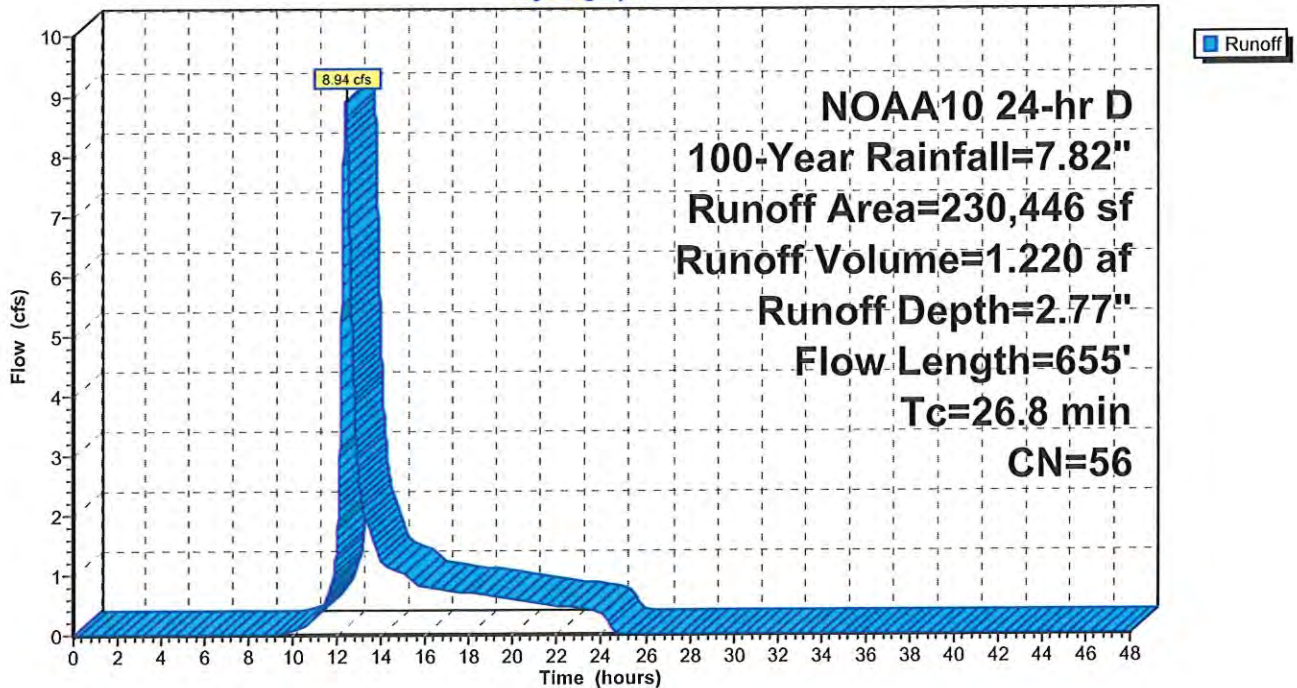
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs
NOAA10 24-hr D 100-Year Rainfall=7.82"

Area (sf)	CN	Description
185,901	55	Woods, Good, HSG B
44,545	61	>75% Grass cover, Good, HSG B
230,446	56	Weighted Average
230,446		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.6	50	0.0020	0.06		Sheet Flow, Sheet Grass Grass: Short n= 0.150 P2= 3.45"
0.7	50	0.0280	1.17		Shallow Concentrated Flow, Shallow Grass Short Grass Pasture Kv= 7.0 fps
12.5	555	0.0220	0.74		Shallow Concentrated Flow, Shallow Woods Woodland Kv= 5.0 fps
26.8	655	Total			

Subcatchment DA-2B: DA-2B

Hydrograph



Crickets Corner Post Development

NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 66

Summary for Pond SWB-1: SWB-1

Inflow Area = 2.088 ac, 36.54% Impervious, Inflow Depth = 5.22" for 100-Year event
 Inflow = 11.18 cfs @ 12.18 hrs, Volume= 0.909 af
 Outflow = 4.54 cfs @ 12.34 hrs, Volume= 0.761 af, Atten= 59%, Lag= 10.0 min
 Primary = 4.54 cfs @ 12.34 hrs, Volume= 0.761 af
 Routed to Link WETLANDS : WETLANDS

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
 Peak Elev= 161.08' @ 12.34 hrs Surf.Area= 10,214 sf Storage= 14,788 cf

Plug-Flow detention time= 175.8 min calculated for 0.761 af (84% of inflow)
 Center-of-Mass det. time= 97.2 min (930.6 - 833.4)

Volume	Invert	Avail.Storage	Storage Description
#1	156.00'	1,046 cf	Forebay (Prismatic) Listed below (Recalc)
#2	158.00'	3,143 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	159.00'	16,486 cf	Upper Basin (Prismatic) Listed below (Recalc)
		20,674 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
156.00	67	0	0
158.00	411	478	478
159.00	724	568	1,046

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
158.00	2,808	0	0
159.00	3,477	3,143	3,143

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
159.00	4,201	0	0
160.00	5,026	4,614	4,614
162.00	6,846	11,872	16,486

Device	Routing	Invert	Outlet Devices
#1	Primary	161.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	159.50'	12.0" Round Culvert L= 33.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 159.50' / 158.50' S= 0.0303 '/' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 0.79 sf

Primary OutFlow Max=4.53 cfs @ 12.34 hrs HW=161.08' TW=0.00' (Dynamic Tailwater)

1=Spillway (Weir Controls 0.60 cfs @ 0.71 fps)

2=Culvert (Inlet Controls 3.94 cfs @ 5.01 fps)

Crickets Corner Post Development

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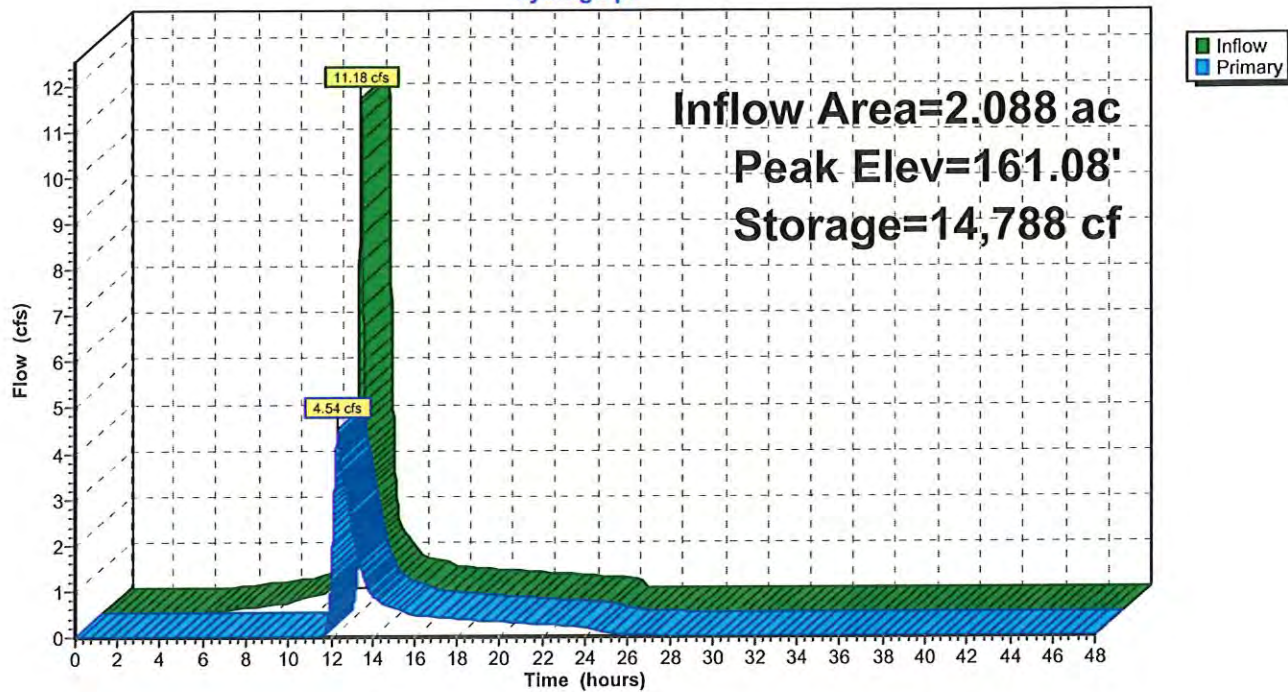
NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 67

Pond SWB-1: SWB-1

Hydrograph



Crickets Corner Post Development

NOAA10 24-hr D 100-Year Rainfall=7.82"

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Page 68

Summary for Pond SWB-2: SWB-2

Inflow Area = 4.016 ac, 15.85% Impervious, Inflow Depth = 4.99" for 100-Year event
 Inflow = 18.21 cfs @ 12.21 hrs, Volume= 1.671 af
 Outflow = 10.10 cfs @ 12.36 hrs, Volume= 1.553 af, Atten= 45%, Lag= 9.0 min
 Primary = 10.10 cfs @ 12.36 hrs, Volume= 1.553 af
 Routed to Link CULVERT : CULVERT

Routing by Dyn-Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs / 2
 Peak Elev= 143.22' @ 12.36 hrs Surf.Area= 12,422 sf Storage= 19,093 cf

Plug-Flow detention time= 101.1 min calculated for 1.552 af (93% of inflow)
 Center-of-Mass det. time= 62.8 min (905.5 - 842.7)

Volume	Invert	Avail.Storage	Storage Description
#1	138.00'	1,687 cf	Forebay (Prismatic) Listed below (Recalc)
#2	140.00'	3,668 cf	Lower Basin (Prismatic) Listed below (Recalc)
#3	141.00'	19,665 cf	Upper Basin (Prismatic) Listed below (Recalc)
		25,020 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
138.00	131	0	0
140.00	661	792	792
141.00	1,129	895	1,687

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
140.00	3,272	0	0
141.00	4,064	3,668	3,668

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
141.00	5,192	0	0
142.00	6,063	5,628	5,628
144.00	7,974	14,037	19,665

Device	Routing	Invert	Outlet Devices
#1	Primary	143.00'	10.0' long x 8.0' breadth Spillway Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.43 2.54 2.70 2.69 2.68 2.68 2.66 2.64 2.64 2.64 2.65 2.65 2.66 2.66 2.68 2.70 2.74
#2	Primary	140.95'	15.0" Round Culvert L= 76.0' CPP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 140.95' / 140.30' S= 0.0086 '/' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 1.23 sf

Primary OutFlow Max=10.10 cfs @ 12.36 hrs HW=143.22' TW=0.00' (Dynamic Tailwater)

1=Spillway (Weir Controls 2.52 cfs @ 1.15 fps)

2=Culvert (Inlet Controls 7.58 cfs @ 6.18 fps)

Crickets Corner Post Development

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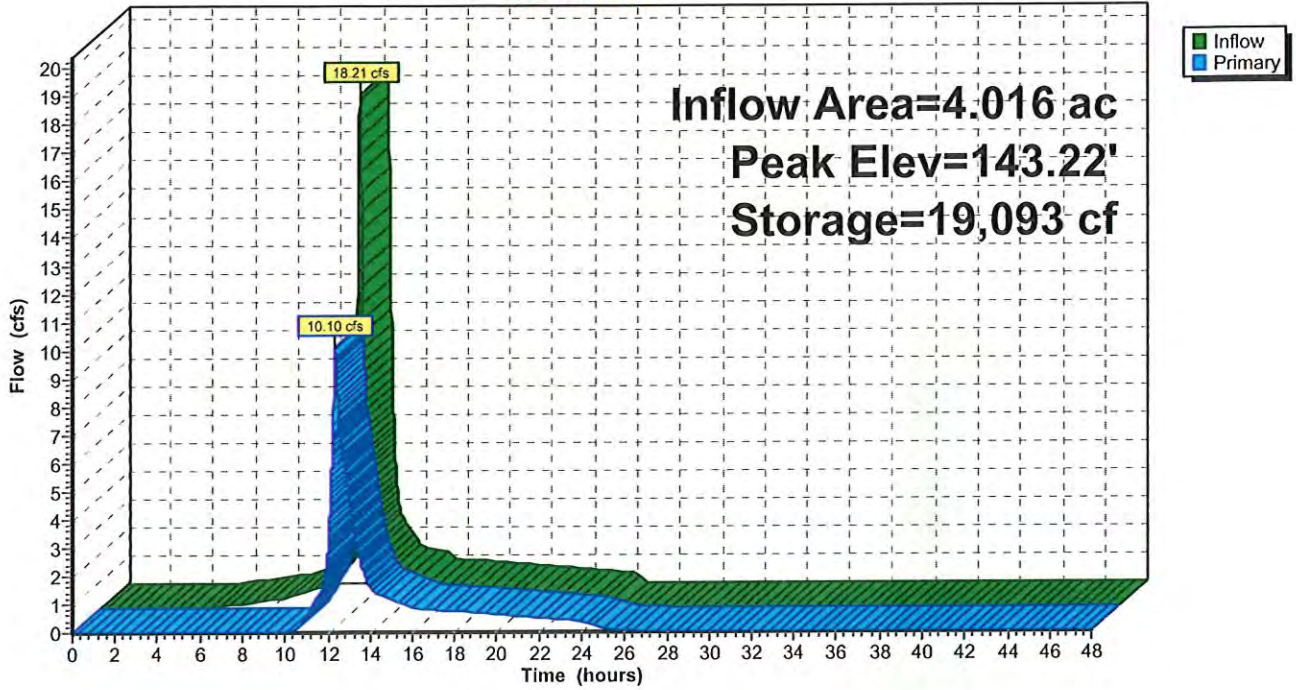
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Page 69

Pond SWB-2: SWB-2

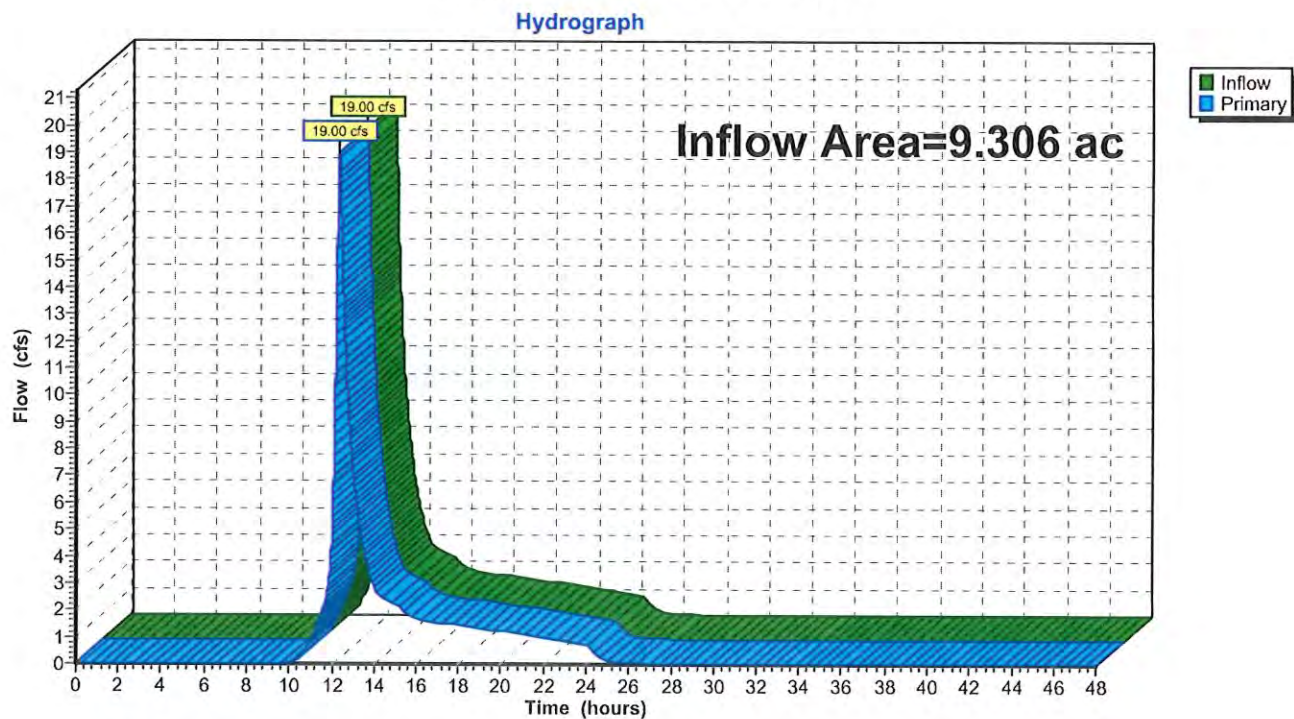
Hydrograph



Summary for Link CULVERT: CULVERT

Inflow Area = 9.306 ac, 6.84% Impervious, Inflow Depth = 3.58" for 100-Year event
Inflow = 19.00 cfs @ 12.37 hrs, Volume= 2.773 af
Primary = 19.00 cfs @ 12.37 hrs, Volume= 2.773 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link CULVERT: CULVERT

Crickets Corner Post Development

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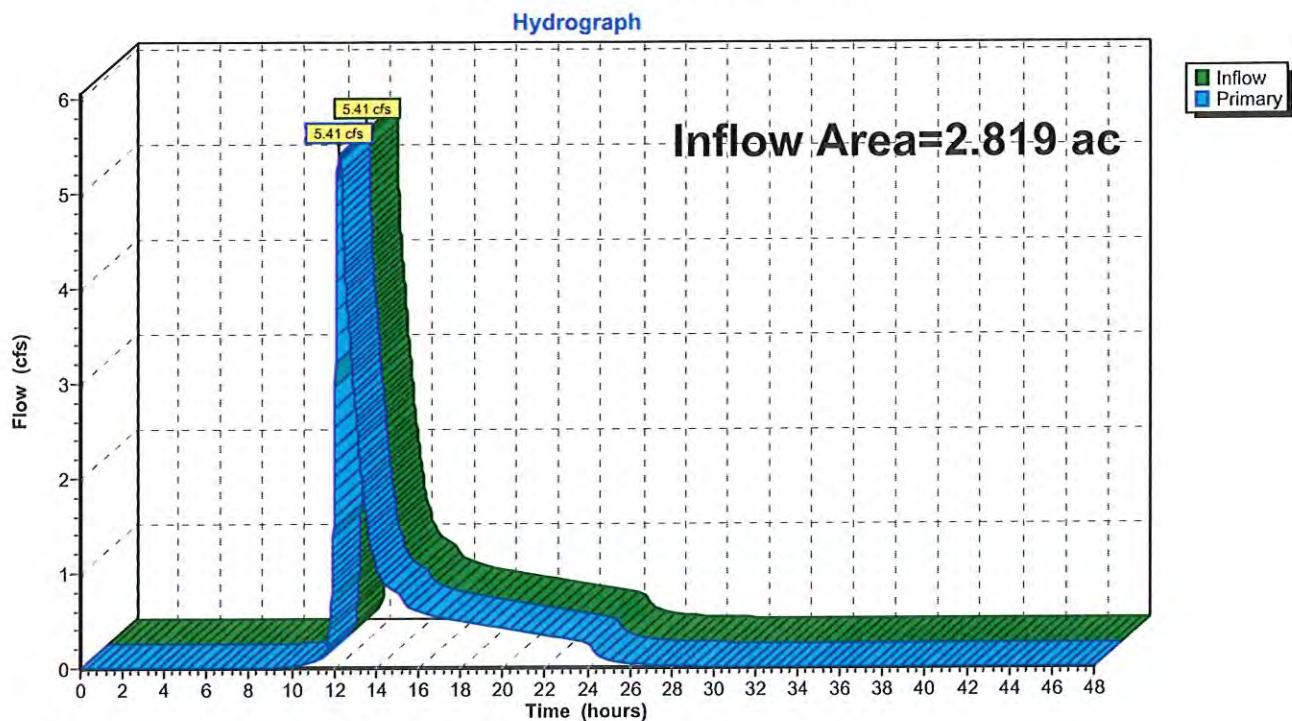
Page 71

Summary for Link WETLANDS: WETLANDS

Inflow Area = 2.819 ac, 27.07% Impervious, Inflow Depth > 3.99" for 100-Year event
Inflow = 5.41 cfs @ 12.19 hrs, Volume= 0.936 af
Primary = 5.41 cfs @ 12.19 hrs, Volume= 0.936 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.01 hrs

Link WETLANDS: WETLANDS



Appendix D

Supporting Calculations

WATER QUALITY VOLUME

DA-1

Coverage	Area (SF)	Area (Acres)
Impervious	33,233	0.763
Grassland	42,927	0.985
Wooded	39,730	0.912
Water Surface	6,893	0.158
Total	122,783	2.819

Percent Impervious (I)	27.066 %
Volumetric Runoff Coefficient (R)	0.294
Water Quality Volume (WQV)	3,905 Cubic Feet
Sediment Forebay Required Storage	976 Cubic Feet

DA-2

Coverage	Area (SF)	Area (Acres)
Impervious	27,720	0.636
Grassland	83,111	1.908
Wooded	286,630	6.580
Water Surface	7,921	0.182
Total	405,382	9.306

Percent Impervious (I)	6.838 %
Volumetric Runoff Coefficient (R)	0.112
Water Quality Volume (WQV)	4,899 Cubic Feet
Sediment Forebay Required Storage	1,225 Cubic Feet

Appendix E

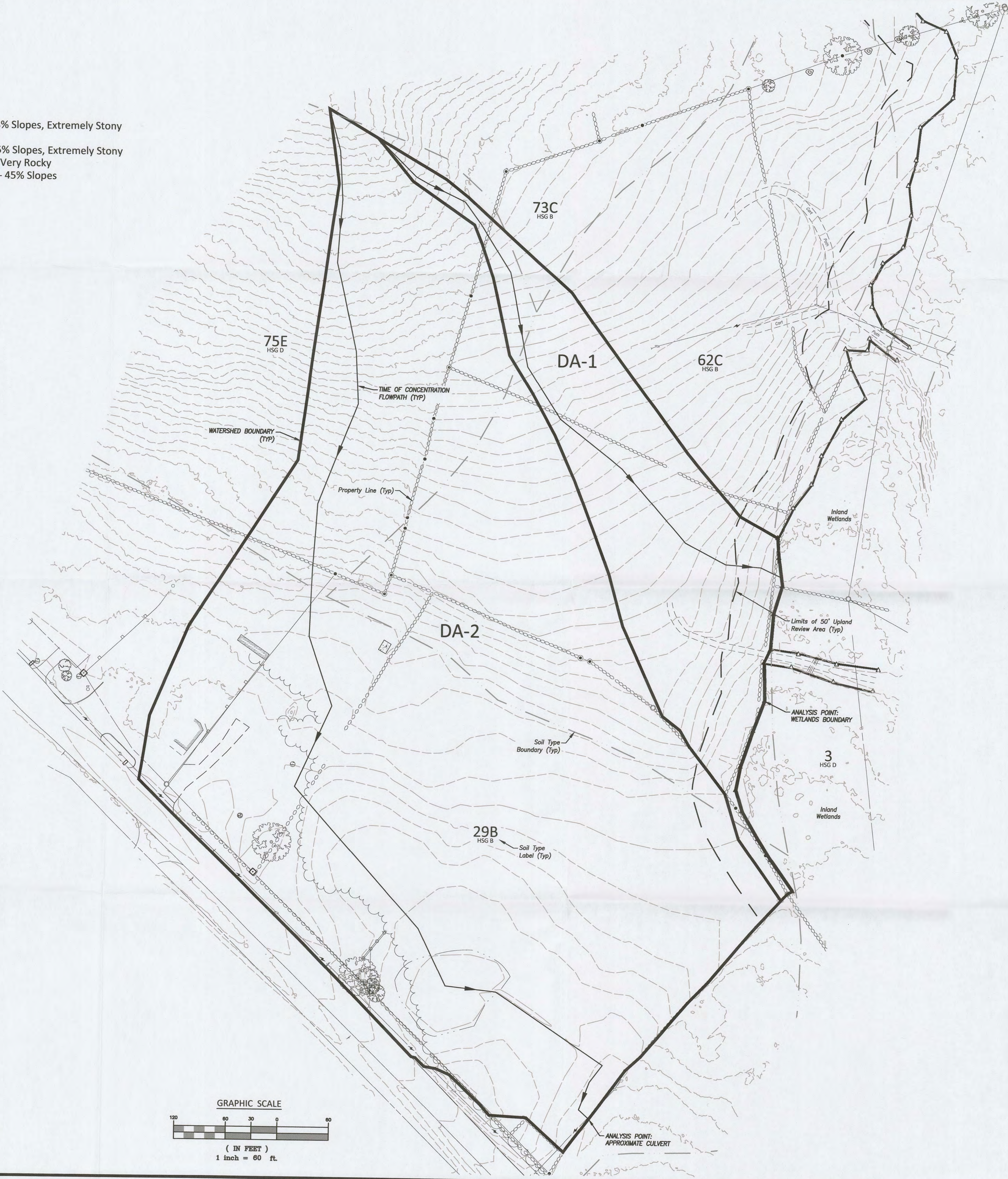
Watershed Maps

WATERSHED DATA

Sub Watershed	Area
DA-1	2.044 Acres
DA-2	10.076 Acres

SOILS LEGEND

- 3 Ridgebury, Leicester, and Whitman Soils, 0 - 8% Slopes, Extremely Stony
29B Agawam Fine Sandy Loam, 3 - 8% Slopes
62C Canton and Charlton Fine Sandy Loams, 3 - 15% Slopes, Extremely Stony
73C Charlton - Chatfield Complex, 0 - 15% Slopes, Very Rocky
73E Hollis - Chatfield - Rock Outcrop Complex, 15 - 45% Slopes



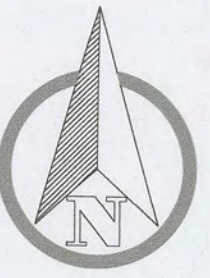
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Appendix E
"Pre-Development Conditions Watersheds"
Prepared For
Cricket's Corner, LLC
1645 Route 85 - Montville, Connecticut



SCALE:	1" = 60'
DATE:	February 2025
JOB I.D. NO.	24-3432
Revisions	
Rev. "A"	3-5-2025
Per Review Comments	

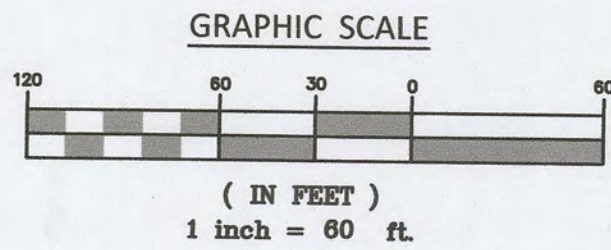
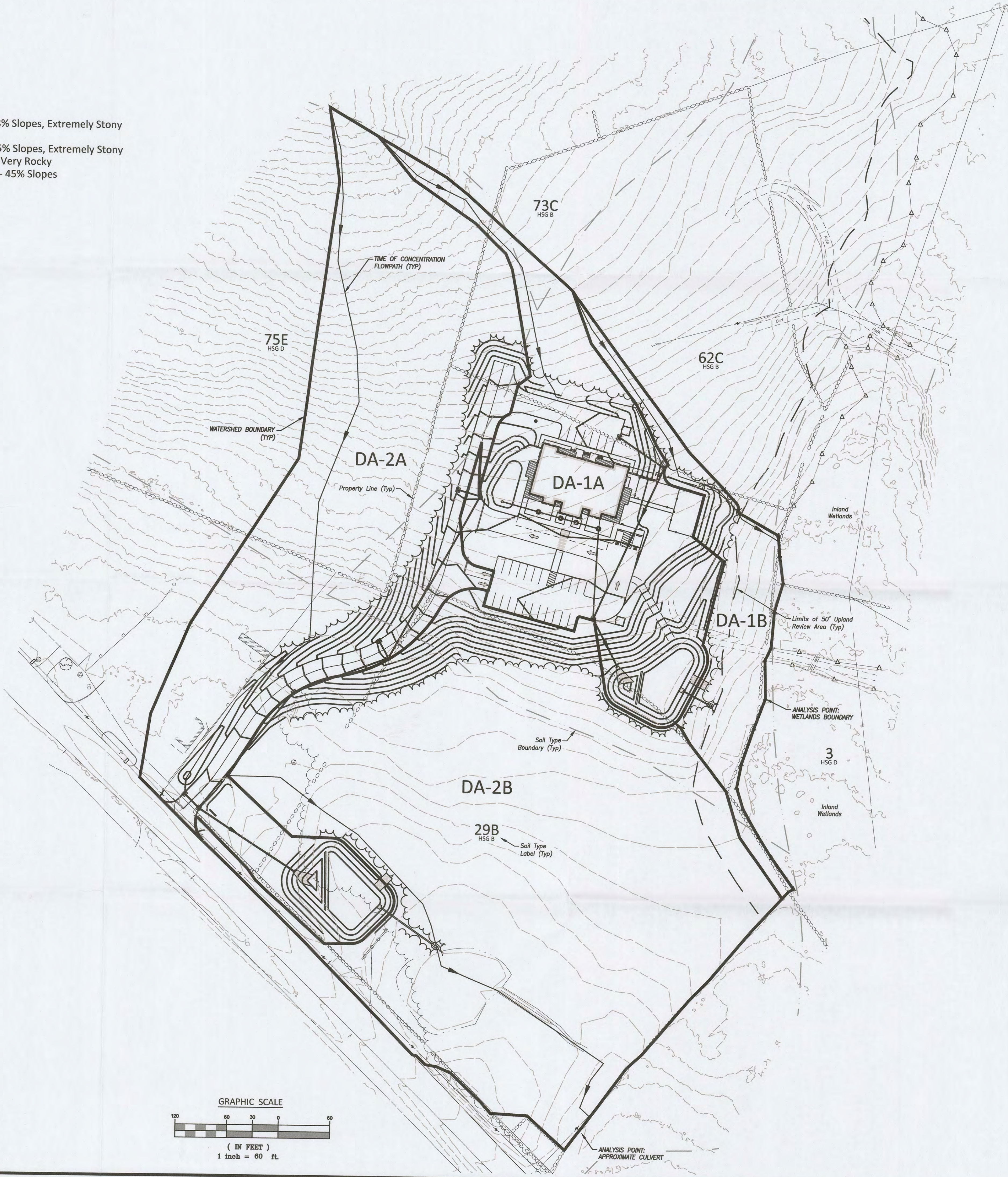
SHEET NO.	
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WATERSHED DATA

Sub Watershed	Area
DA-1A	2.088 Acres
DA-1B	0.731 Acres
DA-2A	4.016 Acres
DA-2B	5.290 Acres

SOILS LEGEND

3	Ridgebury, Leicester, and Whitman Soils, 0 - 8% Slopes, Extremely Stony
29B	Agawam Fine Sandy Loam, 3 - 8% Slopes
62C	Canton and Charlton Fine Sandy Loams, 3 - 15% Slopes, Extremely Stony
73C	Charlton - Chatfield Complex, 0 - 15% Slopes, Very Rocky
73E	Hollis - Chatfield - Rock Outcrop Complex, 15 - 45% Slopes



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Appendix E
"Post-Development Conditions Watersheds"
Prepared For
Cricket's Corner, LLC
1645 Route 85 - Montville, Connecticut



SCALE:	1" = 60'
DATE:	February 2025
JOB I.D. NO.	24-3432
Revisions	
Rev. "A"	3-5-2025
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1