Summary for Link 1L: Combined Hydrograph

Inflow Area =

1.337 ac, 23.62% Impervious, Inflow Depth > 1.57" for 5 Year event

Inflow =

2.31 cfs @ 12.15 hrs, Volume=

0.175 af

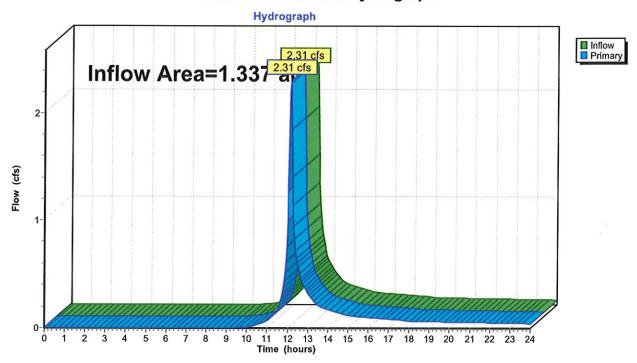
Primary

2.31 cfs @ 12.15 hrs, Volume=

0.175 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph



Summary for Subcatchment 3S: Areas Routed to Retention

Runoff =

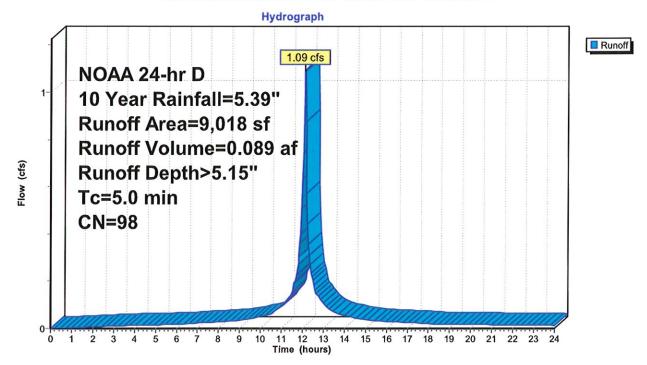
1.09 cfs @ 12.11 hrs, Volume=

0.089 af, Depth> 5.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 10 Year Rainfall=5.39"

	Α	rea (sf)	CN I	Description						
;	•	9,018	98 I	Driveway/Parking						
		9,018		100.00% Im	pervious A	Area				
	Tc	Length	Slope		Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
5.0 Direct Entry Direct						Direct Entry Direct				

Subcatchment 3S: Areas Routed to Retention



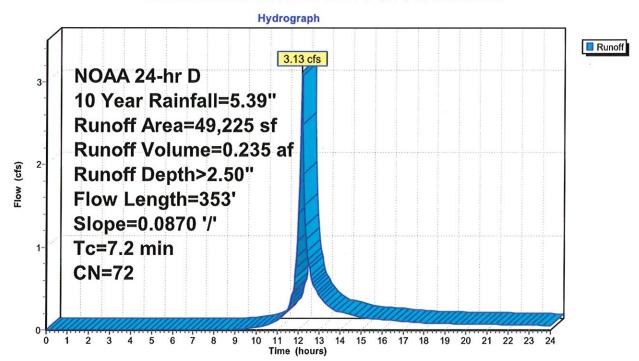
Summary for Subcatchment 4S: Areas not Routed to Retention

Runoff = 3.13 cfs @ 12.15 hrs, Volume= 0.235 af, Depth> 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 10 Year Rainfall=5.39"

	Α	rea (sf)	CN E	CN Description					
-	r	4,741	98 E	Building					
		44,484	69 5	0-75% Gra	ass cover, f	Fair, HSG B			
		49,225	72 V	Veighted A	verage				
		44,484	9	0.37% Per	vious Area				
		4,741	9	.63% Impe	ervious Are	a			
					2 27				
	Tc	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
_						Short Grass Pasture Kv= 7.0 fps			
	72	353	Total						

Subcatchment 4S: Areas not Routed to Retention



Summary for Pond 1P: 48" Concrete Galleries

Inflow Area =	0.207 ac,100.00% Impervious, Inflow D	Depth > 5.15" for 10 Year event
Inflow =	1.09 cfs @ 12.11 hrs, Volume=	0.089 af
Outflow =	0.07 cfs @ 10.84 hrs, Volume=	0.089 af, Atten= 93%, Lag= 0.0 min
Discarded =	0.07 cfs @ 10.84 hrs, Volume=	0.089 af
Primary =	0.00 cfs @ 0.00 hrs, Volume=	0.000 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs Peak Elev= 96.96' @ 13.43 hrs Surf.Area= 532 sf Storage= 1,446 cf

Plug-Flow detention time= 142.1 min calculated for 0.089 af (100% of inflow) Center-of-Mass det. time= 141.6 min (888.1 - 746.6)

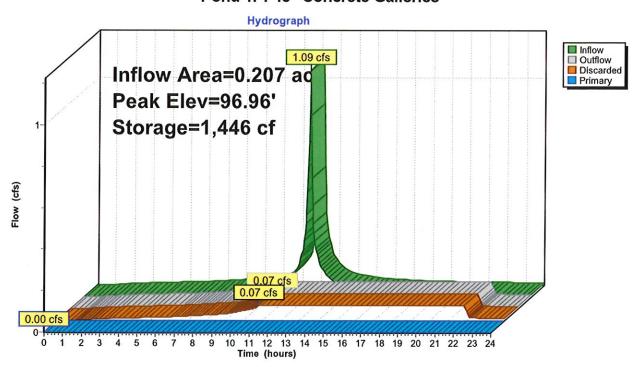
Volume	Invert	Avail.Storage	Storage Description
#1	93.90' 217 cf		14.00'W x 38.00'L x 4.00'H Stone
			2,128 cf Overall - 1,585 cf Embedded = 543 cf x 40.0% Voids
# 2 93.90'		1,585 cf	12.00'W x 36.00'L x 3.67'H 48" Concrete Galleries Inside #1
		1,802 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Primary	97.90'	6.0" Horiz. Orifice/Grate C= 0.600
			Limited to weir flow at low heads
#2	Discarded	93.90'	6.000 in/hr Exfiltration over Horizontal area

Discarded OutFlow Max=0.07 cfs @ 10.84 hrs HW=93.94' (Free Discharge) **2=Exfiltration** (Exfiltration Controls 0.07 cfs)

Primary OutFlow Max=0.00 cfs @ 0.00 hrs HW=93.90' (Free Discharge) 1=Orifice/Grate (Controls 0.00 cfs)

Pond 1P: 48" Concrete Galleries



Summary for Link 1L: Combined Hydrograph

Inflow Area =

1.337 ac, 23.62% Impervious, Inflow Depth > 2.11" for 10 Year event

Inflow

3.13 cfs @ 12.15 hrs, Volume=

0.235 af

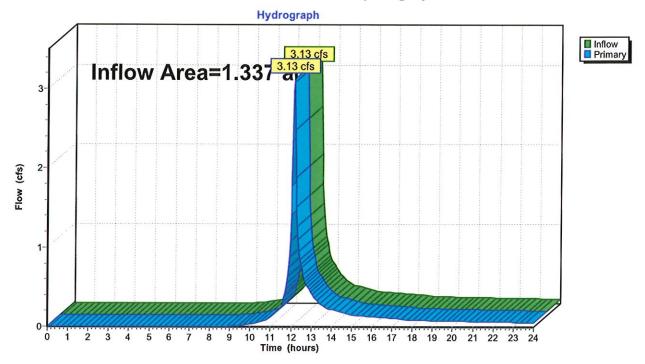
Primary

3.13 cfs @ 12.15 hrs, Volume=

0.235 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph



Summary for Subcatchment 3S: Areas Routed to Retention

Runoff :

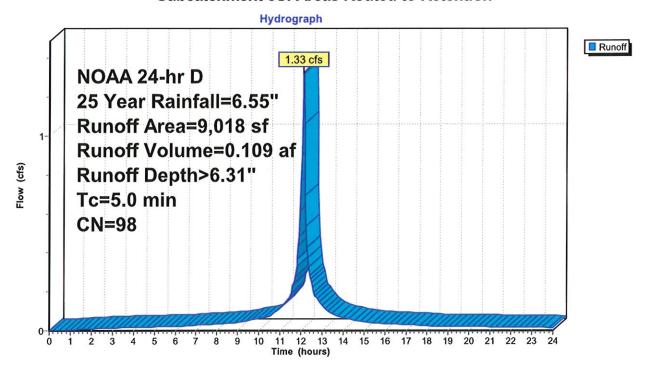
1.33 cfs @ 12.11 hrs, Volume=

0.109 af, Depth> 6.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 25 Year Rainfall=6.55"

	Α	rea (sf)	CN	Description	escription						
*		9,018	98	Driveway/Parking							
		9,018		100.00% Im	pervious A	Area					
	Tc (min)	Length (feet)	Slope (ft/ft)		Capacity (cfs)	Description					
	5.0	(1333)	()	()	(5.5)	Direct Entry, Direct					

Subcatchment 3S: Areas Routed to Retention



Summary for Subcatchment 4S: Areas not Routed to Retention

Runoff

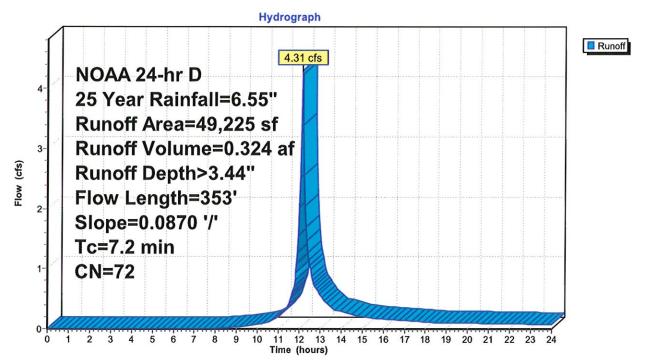
4.31 cfs @ 12.14 hrs, Volume=

0.324 af, Depth> 3.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 25 Year Rainfall=6.55"

	Α	rea (sf)	CN [Description			
* 4,741 98 Building							
	5	44,484 69 50-75% Grass cover, Fair, HSG B					
		49,225	72 V	Veighted A	verage		
		44,484	9	0.37% Per	vious Area		
		4,741	ç	.63% Impe	ervious Area	a	
	Tc	Length	Slope		Capacity	Description	
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow	
						Grass: Short n= 0.150 P2= 3.54"	
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow	
_						Short Grass Pasture Kv= 7.0 fps	
	72	353	Total			<u> </u>	

Subcatchment 4S: Areas not Routed to Retention



Summary for Pond 1P: 48" Concrete Galleries

Inflow Area =	0.207 ac,100.00% Impervious, Inflow D	epth > 6.31" for 25 Year event
Inflow =	1.33 cfs @ 12.11 hrs, Volume=	0.109 af
Outflow =	0.23 cfs @ 12.80 hrs, Volume=	0.106 af, Atten= 83%, Lag= 41.2 min
Discarded =	0.07 cfs @ 10.60 hrs, Volume=	0.103 af
Primary =	0.16 cfs @ 12.80 hrs, Volume=	0.003 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs Peak Elev= 98.00' @ 12.80 hrs Surf.Area= 532 sf Storage= 1,802 cf

Plug-Flow detention time= 185.7 min calculated for 0.106 af (97% of inflow) Center-of-Mass det. time= 168.8 min (912.2 - 743.5)

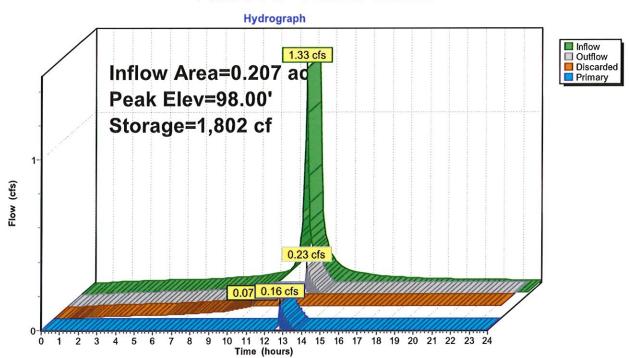
Volume	Invert	Avail.Storage	Storage Description
#1	#1 93.90'		14.00'W x 38.00'L x 4.00'H Stone
			2,128 cf Overall - 1,585 cf Embedded = 543 cf x 40.0% Voids
#2	93.90'	1,585 cf	12.00'W x 36.00'L x 3.67'H 48" Concrete Galleries Inside #1
		1,802 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Primary	97.90'	6.0" Horiz. Orifice/Grate C= 0.600
			Limited to weir flow at low heads
#2	Discarded	93.90'	6.000 in/hr Exfiltration over Horizontal area

Discarded OutFlow Max=0.07 cfs @ 10.60 hrs HW=93.94' (Free Discharge) 2=Exfiltration (Exfiltration Controls 0.07 cfs)

Primary OutFlow Max=0.15 cfs @ 12.80 hrs HW=98.00' (Free Discharge) 1=Orifice/Grate (Weir Controls 0.15 cfs @ 1.01 fps)

Pond 1P: 48" Concrete Galleries



Summary for Link 1L: Combined Hydrograph

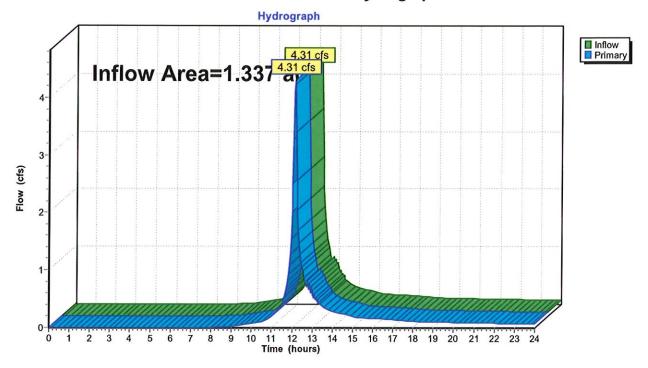
Inflow Area = 1.337 ac, 23.62% Impervious, Inflow Depth > 2.94" for 25 Year event

Inflow = 4.31 cfs @ 12.14 hrs, Volume= 0.327 af

Primary = 4.31 cfs @ 12.14 hrs, Volume= 0.327 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph



Summary for Subcatchment 3S: Areas Routed to Retention

Runoff

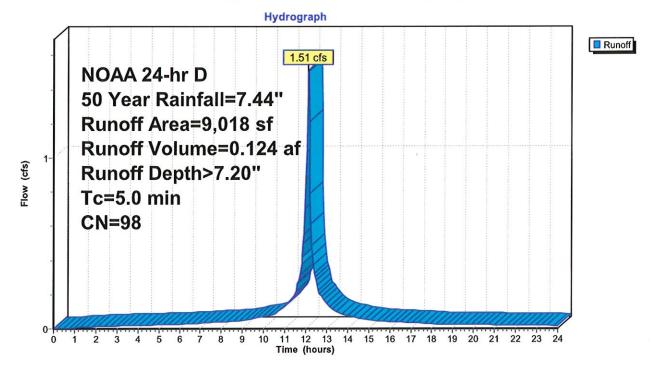
1.51 cfs @ 12.11 hrs, Volume=

0.124 af, Depth> 7.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 50 Year Rainfall=7.44"

_	Α	rea (sf)	CN I	Description						
*		9,018	98	Driveway/Parking						
		9,018		100.00% Im	pervious A	Area				
	Tc	Length	Slope	Velocity	Capacity	Description				
100	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)					
	5.0					Direct Entry, Direct				

Subcatchment 3S: Areas Routed to Retention



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Summary for Subcatchment 4S: Areas not Routed to Retention

Runoff =

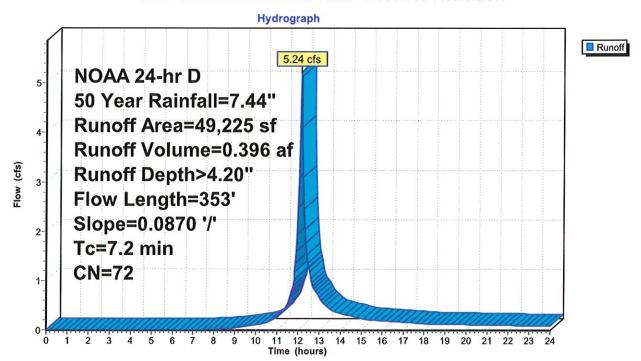
5.24 cfs @ 12.14 hrs, Volume=

0.396 af, Depth> 4.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 50 Year Rainfall=7.44"

	Α	rea (sf)	CN I	Description					
-	k	4,741	98 I						
		44,484	69	50-75% Gra	ass cover, f	Fair, HSG B			
49,225 72 Weighted Average									
		44,484	(90.37% Pei	vious Area				
		4,741	(9.63% Impe	ervious Are	a			
_	Tc (min)	Length (feet)	Slope (ft/ft)	0000 70	Capacity (cfs)	Description			
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total						

Subcatchment 4S: Areas not Routed to Retention



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Summary for Pond 1P: 48" Concrete Galleries

Inflow Area =	0.207 ac,100.00% Impervious, Inflow D	epth > 7.20" for 50 Year event
Inflow =	1.51 cfs @ 12.11 hrs, Volume=	0.124 af
Outflow =	0.42 cfs @ 12.35 hrs, Volume=	0.118 af, Atten= 72%, Lag= 13.9 min
Discarded =	0.07 cfs @ 10.24 hrs, Volume=	0.106 af
Primary =	0.35 cfs @ 12.35 hrs, Volume=	0.012 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs Peak Elev= 98.07' @ 12.35 hrs Surf.Area= 532 sf Storage= 1,802 cf

Plug-Flow detention time= 174.9 min calculated for 0.118 af (95% of inflow) Center-of-Mass det. time= 145.1 min (886.7 - 741.6)

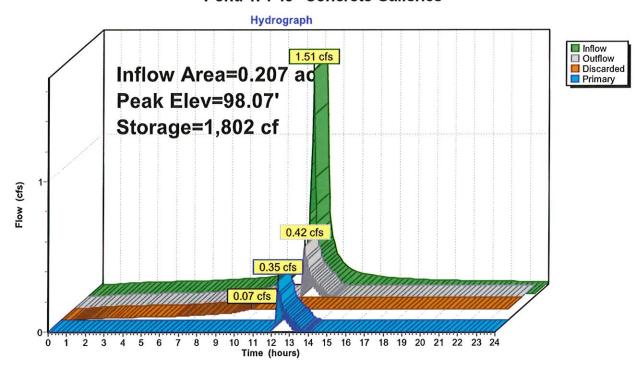
Volume	Invert	Avail.Storage	Storage Description
#1	93.90'	217 cf	14.00'W x 38.00'L x 4.00'H Stone
			2,128 cf Overall - 1,585 cf Embedded = 543 cf x 40.0% Voids
#2	93.90'	1,585 cf	12.00'W x 36.00'L x 3.67'H 48" Concrete Galleries Inside #1
		1,802 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Primary	97.90'	6.0" Horiz. Orifice/Grate C= 0.600
	N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		Limited to weir flow at low heads
#2	Discarded	93.90'	6.000 in/hr Exfiltration over Horizontal area

Discarded OutFlow Max=0.07 cfs @ 10.24 hrs HW=93.94' (Free Discharge) **2=Exfiltration** (Exfiltration Controls 0.07 cfs)

Primary OutFlow Max=0.33 cfs @ 12.35 hrs HW=98.06' (Free Discharge) 1=Orifice/Grate (Weir Controls 0.33 cfs @ 1.31 fps)

Pond 1P: 48" Concrete Galleries



Summary for Link 1L: Combined Hydrograph

Inflow Area =

1.337 ac, 23.62% Impervious, Inflow Depth > 3.66" for 50 Year event

Inflow =

5.24 cfs @ 12.14 hrs, Volume=

0.407 af

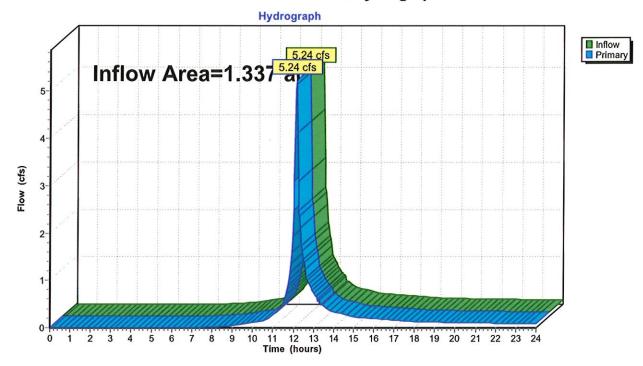
Primary =

5.24 cfs @ 12.14 hrs, Volume=

0.407 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph



Summary for Subcatchment 3S: Areas Routed to Retention

Runoff

=

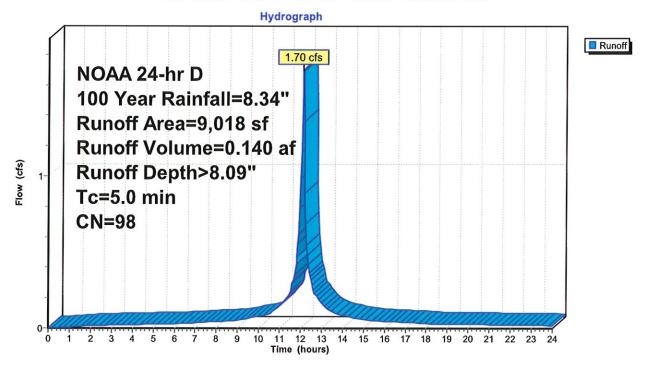
1.70 cfs @ 12.11 hrs, Volume=

0.140 af, Depth> 8.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 100 Year Rainfall=8.34"

_	A	rea (sf)	CN I	Description					
*		9,018	98 [Driveway/Parking					
		9,018	•	100.00% Im	pervious A	Area			
	Tc	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	y			
	5.0					Direct Entry Direct			

Subcatchment 3S: Areas Routed to Retention



Summary for Subcatchment 4S: Areas not Routed to Retention

Runoff

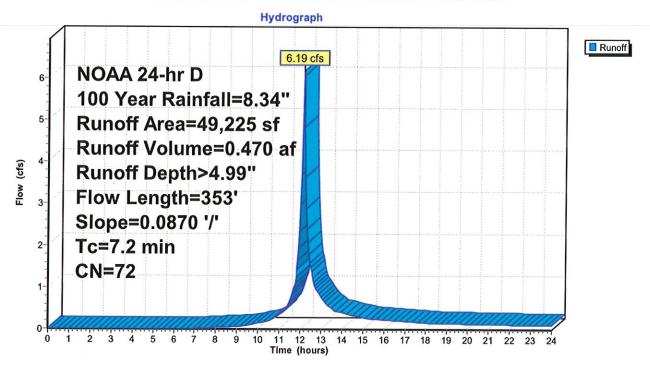
6.19 cfs @ 12.14 hrs, Volume=

0.470 af, Depth> 4.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 100 Year Rainfall=8.34"

_	A	rea (sf)	CN [Description					
*		4,741	98 E	Building					
_		44,484	69 5						
		49,225	72 Weighted Average						
44,484 90.37% Pervious Area					vious Area				
4,741 9.63% Impervious Area				.63% Impe	ervious Are	a			
	т.	Lameth	01	\	0 "	P			
	Tc (min)	Length (feet)	Slope	Velocity	Capacity	Description			
_		(Teet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
	2.2					Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
-						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total			•			

Subcatchment 4S: Areas not Routed to Retention



Summary for Pond 1P: 48" Concrete Galleries

Inflow Area =	0.207 ac,100.00% Impervious, Inflow D	Depth > 8.09" for 100 Year event
Inflow =	1.70 cfs @ 12.11 hrs, Volume=	0.140 af
Outflow =	1.14 cfs @ 12.20 hrs, Volume=	0.131 af, Atten= 33%, Lag= 5.4 min
Discarded =	0.07 cfs @ 9.88 hrs, Volume=	0.109 af
Primary =	1.06 cfs @ 12.20 hrs, Volume=	0.021 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs Peak Elev= 99.15' @ 12.20 hrs Surf.Area= 532 sf Storage= 1,802 cf

Plug-Flow detention time= 163.0 min calculated for 0.131 af (94% of inflow) Center-of-Mass det. time= 125.0 min (865.1 - 740.1)

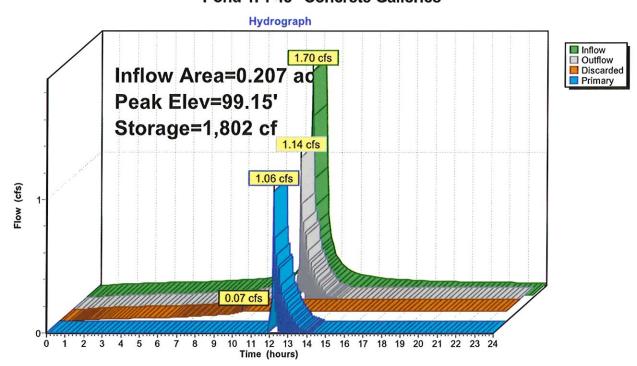
Volume	Invert	Avail.Storage	Storage Description
#1	93.90'	217 cf	14.00'W x 38.00'L x 4.00'H Stone
			2,128 cf Overall - 1,585 cf Embedded = 543 cf x 40.0% Voids
#2	93.90'	1,585 cf	12.00'W x 36.00'L x 3.67'H 48" Concrete Galleries Inside #1
		1,802 cf	Total Available Storage

Device	Routing	Invert	Outlet Devices
#1	Primary	97.90'	6.0" Horiz. Orifice/Grate C= 0.600
			Limited to weir flow at low heads
#2	Discarded	93.90'	6.000 in/hr Exfiltration over Horizontal area

Discarded OutFlow Max=0.07 cfs @ 9.88 hrs HW=93.94' (Free Discharge) **2=Exfiltration** (Exfiltration Controls 0.07 cfs)

Primary OutFlow Max=1.00 cfs @ 12.20 hrs HW=99.03' (Free Discharge) 1=Orifice/Grate (Orifice Controls 1.00 cfs @ 5.11 fps)

Pond 1P: 48" Concrete Galleries



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Summary for Link 1L: Combined Hydrograph

Inflow Area =

1.337 ac, 23.62% Impervious, Inflow Depth > 4.41" for 100 Year event

Inflow

6.08 cfs @ 12.16 hrs, Volume=

0.491 af

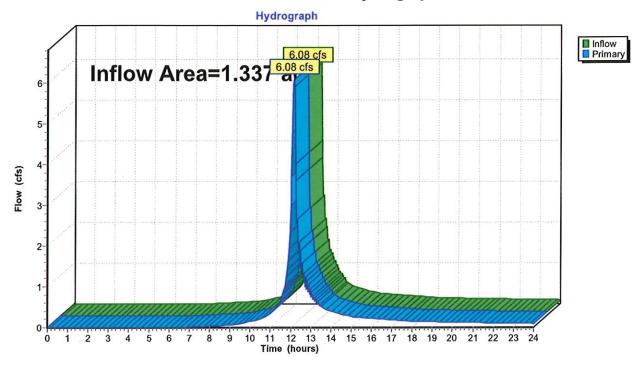
Primary

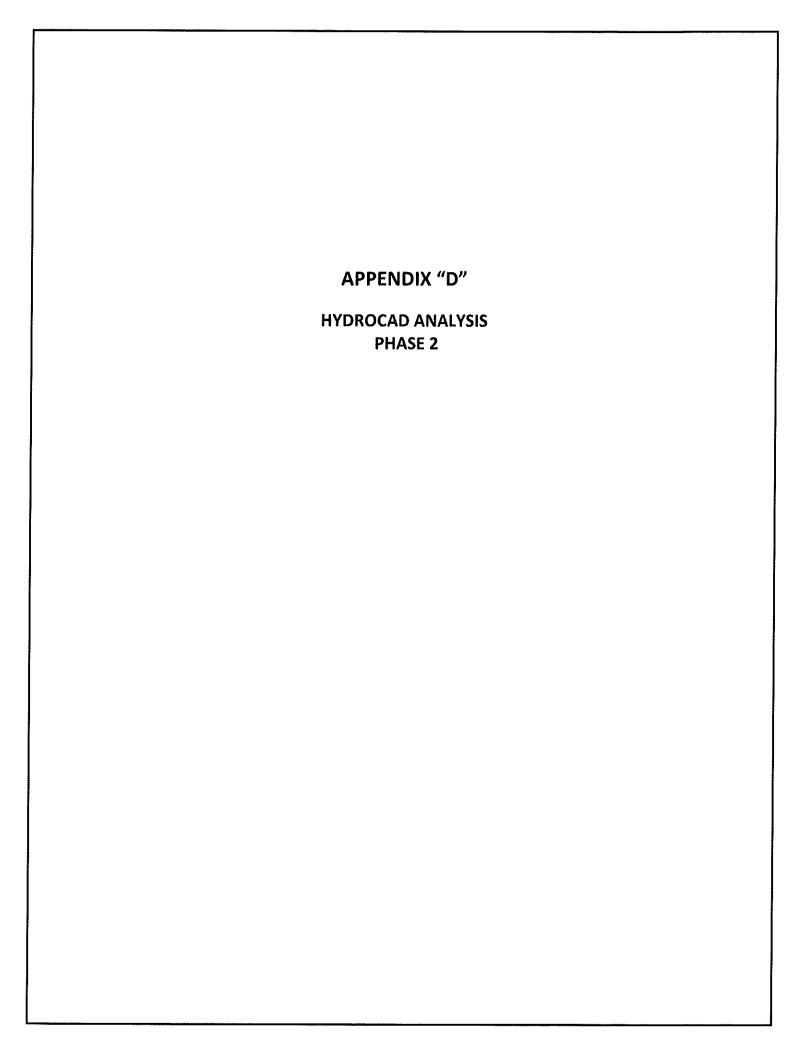
6.08 cfs @ 12.16 hrs, Volume=

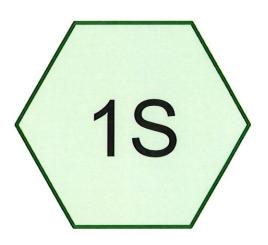
0.491 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs

Link 1L: Combined Hydrograph







Existing Conditions





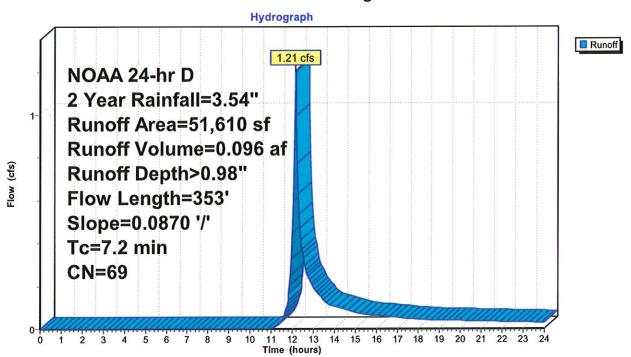




Runoff = 1.21 cfs @ 12.15 hrs, Volume= 0.096 af, Depth> 0.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 2 Year Rainfall=3.54"

	Α	rea (sf)	CN D	escription		
		51,610	69 5	0-75% Gra	ass cover, F	Fair, HSG B
ē		51,610	1	00.00% Pe	ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
•	5.2	100	0.0870	0.32	,	Sheet Flow, Sheet Flow
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps
•	7.2	353	Total			6



Summary for Subcatchment 1S: Existing Conditions

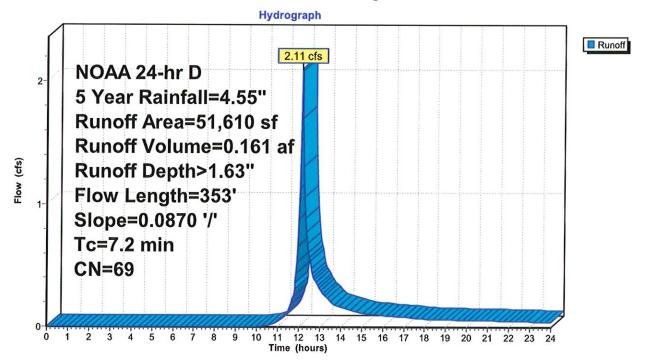
Runoff

2.11 cfs @ 12.15 hrs, Volume=

0.161 af, Depth> 1.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 5 Year Rainfall=4.55"

	Α	rea (sf)	CN D	escription		**
51,610 69 50-75% Grass cover, Fa					ass cover, F	Fair, HSG B
		51,610	1	00.00% Pe	ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps
	7.2	353	Total			



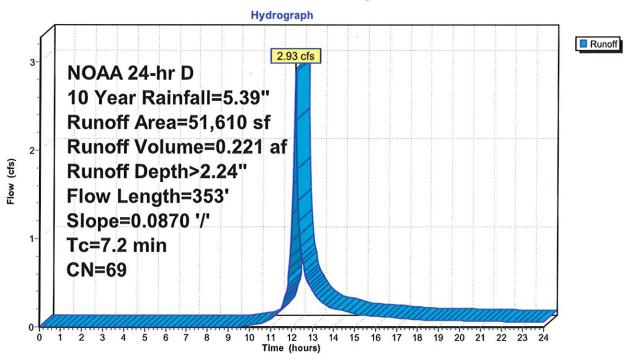
Runoff =

2.93 cfs @ 12.15 hrs, Volume=

0.221 af, Depth> 2.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 10 Year Rainfall=5.39"

	A	rea (sf)	CN E	Description		
51,610 69 50-75% Grass cover, Fair, HSG B						
51,610 100.00% Pervious Area					ervious Are	a
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
•	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow
2	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps
	7.2	353	Total			·



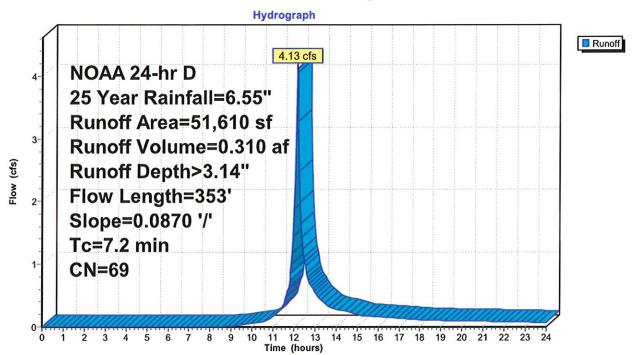
Runoff =

4.13 cfs @ 12.15 hrs, Volume=

0.310 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 25 Year Rainfall=6.55"

	Α	rea (sf)	CN D	escription					
		51,610	69 5	69 50-75% Grass cover, Fair, HSG B					
·		51,610	1	00.00% Pe	ervious Are	a			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
•	5.2	100	0.0870	0.32	, ,	Sheet Flow, Sheet Flow			
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps			
•	7.2	353	Total			•			



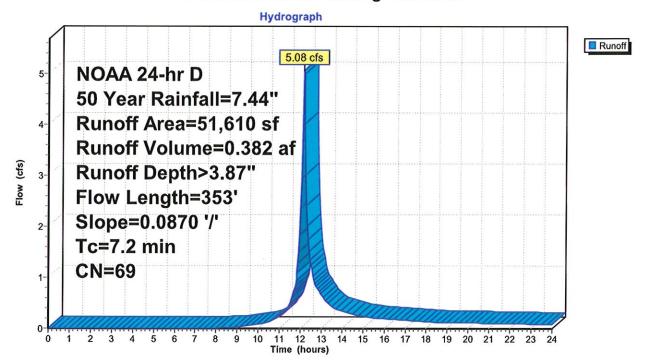
Runoff =

5.08 cfs @ 12.14 hrs, Volume=

0.382 af, Depth> 3.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 50 Year Rainfall=7.44"

Area (sf) CN Description									
		51,610	69 5	0-75% Gra	Grass cover, Fair, HSG B				
		51,610	1	00.00% Pe	ervious Are	a			
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description			
•	5.2	100	0.0870	0.32	, ,	Sheet Flow, Sheet Flow			
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps			
-	7.2	353	Total						



Summary for Subcatchment 1S: Existing Conditions

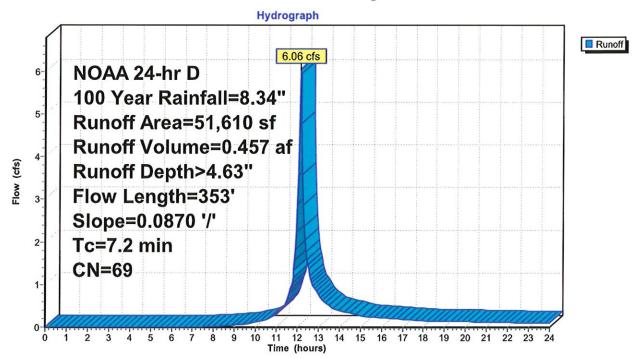
Runoff =

6.06 cfs @ 12.14 hrs, Volume=

0.457 af, Depth> 4.63"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 100 Year Rainfall=8.34"

Area (sf) CN Description						
		51,610	69 5	0-75% Gra	ass cover, F	Fair, HSG B
		51,610	1	a		
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
•	5.2	100	0.0870	0.32	(0.0)	Sheet Flow, Sheet Flow
	2.0	253	0.0870	2.06		Grass: Short n= 0.150 P2= 3.54" Shallow Concentrated Flow, Shallow Concentrated Flow Short Grass Pasture Kv= 7.0 fps
	72	353	Total		_	





Proposed Conditions









Summary for Subcatchment 2S: Proposed Conditions

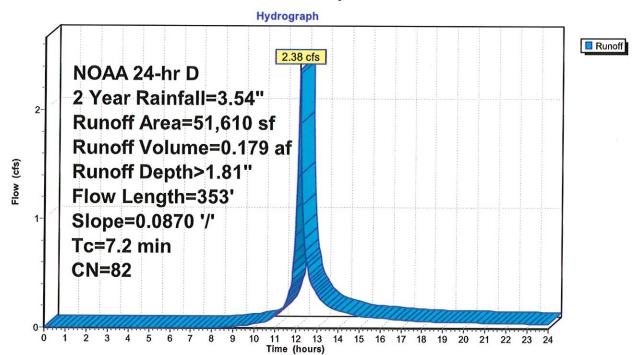
Runoff

2.38 cfs @ 12.14 hrs, Volume=

0.179 af, Depth> 1.81"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 2 Year Rainfall=3.54"

		rea (sf)	CN [Description					
	k	12,169	98 E	Buildings					
	k	10,597		Driveway/Parking					
		28,844				Fair, HSG B			
51,610 82 Weighted Average									
		28,844			vious Area				
22,766 44.11% Impervious Area					ervious Ar	ea			
	Tc	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total	•					



Summary for Subcatchment 2S: Proposed Conditions

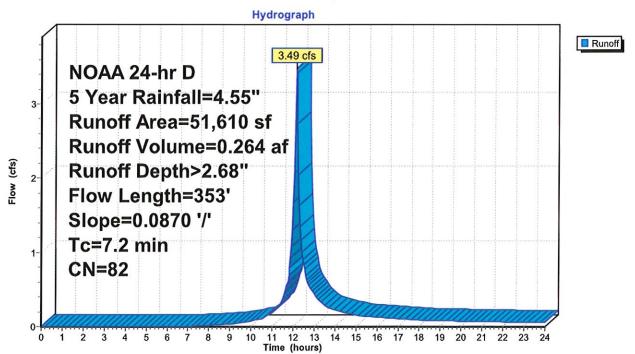
Runoff =

3.49 cfs @ 12.14 hrs, Volume=

0.264 af, Depth> 2.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 5 Year Rainfall=4.55"

_	Α	rea (sf)	CN E	Description					
*		12,169	98 E	Buildings					
*		10,597	98 E	riveway/P	arking				
<u></u>		28,844	69 5	50-75% Grass cover, Fair, HSG B					
-		51,610	82 V	Weighted Average					
		28,844		•	vious Area				
		22,766	4	4.11% Imp	pervious Ar	ea			
	Tc	Length	Slope	Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·			
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
2				100000000000000000000000000000000000000		Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total						



Summary for Subcatchment 2S: Proposed Conditions

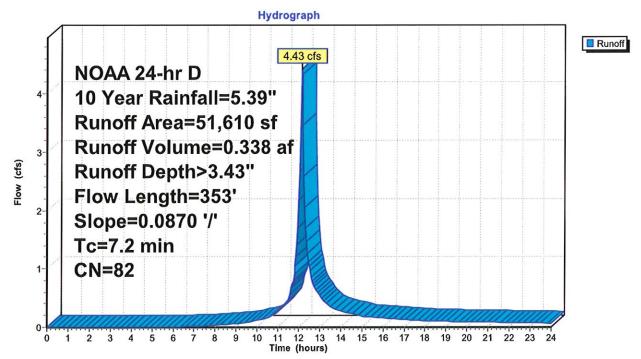
Runoff = 4.

4.43 cfs @ 12.14 hrs, Volume=

0.338 af, Depth> 3.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 10 Year Rainfall=5.39"

	Α	rea (sf)	CN I	CN Description					
*		12,169	98	Buildings					
*		10,597		Driveway/Parking					
		28,844				Fair, HSG B			
_		51,610	82 \	Neighted A	verage				
		28,844		55.89% Per					
		22,766		44.11% Imp	pervious Ar	ea			
	Tc	Length	Slope		Capacity	Description			
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total						



Summary for Subcatchment 2S: Proposed Conditions

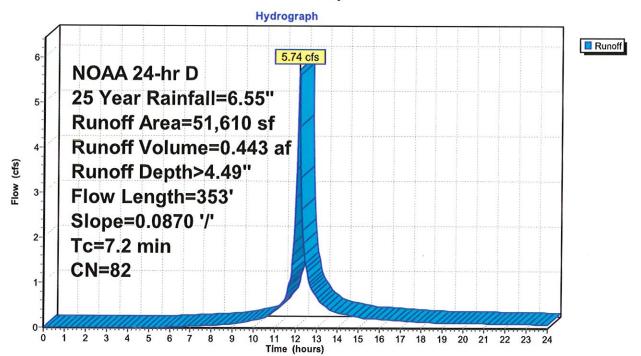
Runoff

5.74 cfs @ 12.14 hrs, Volume=

0.443 af, Depth> 4.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 25 Year Rainfall=6.55"

_	Α	rea (sf)	CN E	N Description					
*		12,169	98 E	Buildings					
*	6	10,597		Driveway/P	arking				
		28,844		50-75% Grass cover, Fair, HSG B					
_		51,610		Veighted A					
		28,844			vious Area				
22,766 44.11% Impervious Area					ervious Ar	ea			
				**					
	Tc	Length	Slope	Velocity	Capacity	Description			
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
_						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total						



Summary for Subcatchment 2S: Proposed Conditions

Runoff

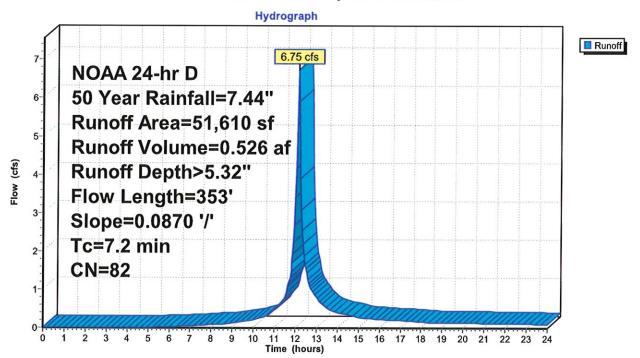
=

6.75 cfs @ 12.14 hrs, Volume=

0.526 af, Depth> 5.32"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 50 Year Rainfall=7.44"

_	Α	rea (sf)	CN I	Description					
*		12,169	98 I	Buildings					
*		10,597	98 1	Driveway/P	arking				
		28,844	69	50-75% Grass cover, Fair, HSG B					
		51,610 82 Weighted Average							
		28,844			vious Area				
22,766 44.11% Impervious Area					pervious Ar	ea			
	Tc	Length	Slope	Velocity	Capacity	Description			
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
_						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total						



Runoff

Summary for Subcatchment 2S: Proposed Conditions

7.77 cfs @ 12.14 hrs, Volume=

0.610 af, Depth> 6.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.04 hrs NOAA 24-hr D 100 Year Rainfall=8.34"

0.55	Α	rea (sf)	CN	Description					
*		12,169	98	Buildings					
*		10,597		Driveway/Parking					
		28,844							
		51,610	82	Weighted A	verage				
		28,844		55.89% Pei					
		22,766		44.11% Imp	pervious Ar	ea			
	Tc	Length	Slope	e Velocity	Capacity	Description			
	(min)	(feet)	(ft/ft)) (ft/sec)	(cfs)				
	5.2	100	0.0870	0.32		Sheet Flow, Sheet Flow			
						Grass: Short n= 0.150 P2= 3.54"			
	2.0	253	0.0870	2.06		Shallow Concentrated Flow, Shallow Concentrated Flow			
						Short Grass Pasture Kv= 7.0 fps			
	7.2	353	Total			·			

