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Area Listing (all nodes)

Area	CN	Description
(acres)		(subcatchment-numbers)
62.135	70	Woods, Good, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S)
2.273	74	Pasture/grassland/range, Good, HSG C (7S)
8.723	77	Woods, Good, HSG D (1S, 2S, 7S)
10.179	86	Pasture/grassland/range, Poor, HSG C (6S, 8S, 9S, 10S)
0.046	96	Gravel Road surface, HSG C (10S)
0.574	96	Gravel surface, HSG C (7S)
2.036	98	Unconnected Outcrop, HSG C (7S, 9S)
3.799	98	Unconnected Outcrop, HSG D (1S, 2S, 6S, 8S, 9S)
89.764	75	TOTAL AREA

Soil Listing (all nodes)

Area	Soil	Subcatchment
(acres)	Group	Numbers
0.000	HSG A	
0.000	HSG B	
77.242	HSG C	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S
12.522	HSG D	1S, 2S, 6S, 7S, 8S, 9S
0.000	Other	
89.764		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	
 0.000	0.000	0.046	0.000	0.000	0.046	Gravel Road surface	10	
							S	
0.000	0.000	2.036	3.799	0.000	5.835	Unconnected Outcrop	1S	
							,	
							2S	
							,	
							6S	
							,	
							7S	
							,	
							85	
							, 05	
0.000	0.000	0.574	0.000	0.000	0.574	Gravel surface	93	
0.000	0.000	10 179	0.000	0.000	10 170	Pasture/grassland/range Poor	73 65	
0.000	0.000	10.175	0.000	0.000	10.175	r asture/grassiand/range, r oor	00	
							, 8S	
							, 9S	
							,	
							10	
							S	
0.000	0.000	2.273	0.000	0.000	2.273	Pasture/grassland/range, Good	7S	
0.000	0.000	62.135	8.723	0.000	70.858	Woods, Good	1S	
							,	
							2S	
							,	
							3S	
							,	

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4S , 5S , 6S , 7S , 8S , 9S

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0.000	0.000	77.242	12.522	0.000	89.764	TOTAL AREA	
(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	Cover	Numbers
HSG-A	HSG-B	HSG-C	HSG-D	Other	Total	Ground	Subcatchment

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	رT droCAD Software Solutions LLC	/pe III 24-hr 1 ye F	ear Rainfall=2.60" Printed 6/27/2017 Page 6					
Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points Runoff by SCS TR-20 method, UH=SCS Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method								
Subcatchment1S: Subcatchment- 1	Runoff Area=524,221 sf 12	.76% Impervious R	Runoff Depth=0.67"					
Flow Leng	th=1,200' Tc=11.9 min UI Adjus	ted CN=74 Runoff	=6.83 cfs 0.667 af					
Subcatchment2S: Subcatchment- 2	Runoff Area=560,880 sf 7	.54% Impervious R	Runoff Depth=0.67"					
Flow Let	ength=910' Tc=6.0 min UI Adjus	ted CN=74 Runoff	=8.96 cfs 0.714 af					
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 sf 0	.00% Impervious R	Runoff Depth=0.50"					
	Flow Length=950' Tc=39.6 m	iin CN=70 Runoff	=1.33 cfs 0.237 af					
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 sf 0	.00% Impervious R	Runoff Depth=0.50"					
	Flow Length=1,000' Tc=25.6 m	iin CN=70 Runoff	=2.23 cfs 0.326 af					
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 sf 0	.00% Impervious R	Runoff Depth=0.50"					
	Flow Length=950' Tc=25.1 m	iin CN=70 Runoff	=1.84 cfs 0.266 af					
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 sf 1	.89% Impervious R	Runoff Depth=0.62"					
	Flow Length=1,050' Tc=45.7 m	iin CN=73 Runoff	=1.98 cfs 0.352 af					
Subcatchment7S: Subcatchment- 7	Runoff Area=481,846 sf 15	.77% Impervious R	Runoff Depth=0.71"					
Flow Leng	th=1,150' Tc=25.7 min UI Adjus	ted CN=75 Runoff	=5.05 cfs 0.654 af					
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 sf 1	.44% Impervious R	Runoff Depth=0.80"					
	Flow Length=1,075' Tc=20.4 m	iin CN=77 Runoff	=7.79 cfs 0.889 af					
Subcatchment9S: Subcatchment- 9	Runoff Area=409,386 sf 13	.45% Impervious R	Runoff Depth=0.80"					
Flow Leng	th=1,275' Tc=20.2 min UI Adjus	ted CN=77 Runoff	=5.53 cfs 0.629 af					
Subcatchment10S: Subcatchment-1	0 Runoff Area=200,033 sf 0	.00% Impervious R	Runoff Depth=0.58"					
	Flow Length=700' Tc=18.9 m	iin CN=72 Runoff	=1.82 cfs 0.222 af					
Reach POA-1: Existing Woods to the	Northeast & Tributary to Exist	ng Inflow Outflow	r=6.83 cfs 0.667 af r=6.83 cfs 0.667 af					
Reach POA-10: Existing Woods to the	Inflow Outflow	=1.82 cfs 0.222 af =1.82 cfs 0.222 af						
Reach POA-2: Existing Woods to the	Northwest	Inflow Outflow	r=8.96 cfs 0.714 af r=8.96 cfs 0.714 af					
Reach POA-3: Existing Woods to the	Inflow Outflow	r=1.33 cfs_0.237 af r=1.33 cfs_0.237 af						
Reach POA-4: Existing Woods to the	Northwest	Inflow Outflow	r=2.23 cfs 0.326 af r=2.23 cfs 0.326 af					
Reach POA-5: Existing Woods to the	Inflow Outflow	r=1.84 cfs 0.266 af r=1.84 cfs 0.266 af						

New Milford Pre-Development	Type III 24-hr 1 year Rainfall=2.60"
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Reach POA-6: Existing Woods to the Northeast	Inflow=1.98 cfs 0.352 af
	Outflow=1.98 cfs 0.352 af
Reach POA-7: Existing Woods & Candlewood Roadside Swales	to the Inflow=5.05 cfs 0.654 af
-	Outflow=5.05 cfs 0.654 af
Reach POA-8: Existing Woods to the Northeast	Inflow=7.79 cfs 0.889 af
	Outflow=7.79 cfs 0.889 af
Reach POA-9: Existing Woods to the Northeast	Inflow=5.53 cfs 0.629 af
	Outflow=5.53 cfs 0.629 af
Total Runoff Area = 89.764 ac Runoff Volume = 93.50% Pervious = 83	4.957 af Average Runoff Depth = 0.66" .929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 6.83 cfs @ 12.18 hrs, Volume= 0.667 af, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1 year Rainfall=2.60"

	A	rea (sf)	CN	Description		
*		31,320	98	Unconnecte	ed Outcrop	, HSG D
	1	19,196	77	Woods, Go	od, HSG D	
		86,728	70	Woods, Go	od, HSG C	
	2	31,002	70	Woods, Go	od, HSG C	
		20,386	77	Woods, Go	od, HSG D	
*		35,589	98	Unconnecte	ed Outcrop	, HSG D
	5	24,221	75	Weighted A	verage, UI	Adjusted CN = 74
	4	57,312		87.24% Pe	rvious Area	l
		66,909		12.76% Imp	pervious Ar	ea
		66,909		100.00% U	nconnected	ł
	Тс	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	•
	0.5	100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
						Smooth surfaces n= 0.011 P2= 3.20"
	0.3	200	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow B-C
						Paved Kv= 20.3 fps
	11.1	900	0.0730	1.35		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff	=	8.96 cfs @	12.10 hrs,	Volume=	0.714 af,	Depth=	0.67"
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	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Type III 24-hr 1 year Rainfall=2.60" Printed 6/27/2017 Page 9

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Тс	Length	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
<u> </u>	010	Tatal			To COmin

5.9 910 Total, Increased to minimum Tc = 6.0 min

Summary for Subcatchment 3S: Subcatchment - 3

Runoff	=	1.33 cfs @	12.64 hrs, \	√olume=	0.237 af, Depth=	0.50"
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Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1 year Rainfall=2.60"

	A	rea (sf)	CN D	Description		
	1	96,656	70 V	Voods, Go	od, HSG C	
_		48,949	70 V	Voods, Go	od, HSG C	
	2	45,605	70 V	Veighted A	verage	
	2	45,605	1	00.00% Pe	ervious Are	a
	_					
	Тс	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	29.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
						Woods: Light underbrush n= 0.400 P2= 3.20"
	3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
						Woodland Kv= 5.0 fps
	3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
_						Woodland Kv= 5.0 fps
	39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 2.23 cfs @ 12.43 hrs, Volume= 0.326 af, Depth= 0.50"

A	rea (sf)	CN	Description
	8,570	70	Woods, Good, HSG C
3	29,216	70	Woods, Good, HSG C
3	37,786	70	Weighted Average
3	37,786		100.00% Pervious Area

New M	ilford P	re-Deve	elopmen	t	Type III 24-hr 1 year Rainfall=2.60'				
Prepare	d by AM	ECFW	-		Printed 6/27/2017				
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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B				
8.5	850	0.1100	1.66		Woods: Light underbrush n= 0.400 P2= 3.20" Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps				
25.6	1,000	Total							
	Summary for Subcatchment 5S: Subcatchment - 5								
Runoff	=	1.84 cf	s@ 12.4	2 hrs, Volu	me= 0.266 af, Depth= 0.50"				
Runoff b Type III 2 A	y SCS TF 24-hr 1 y rea (sf)	R-20 met rear Rain CN D	hod, UH=\$ fall=2.60" Description	SCS, Time	Span= 1.00-30.00 hrs, dt= 0.01 hrs				
1	29,095	70 V	Voods, Go	od, HSG C					
1	47,119	70 V	Voods, Go	od, HSG C					
2	276,214 276,214	70 Weighted Average 100.00% Pervious Area			a				
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description				
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B				
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps				
25.1	950	Total							
		•		• •					

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 1.98 cfs @ 12.70 hrs, Volume= 0.352 af, Depth= 0.62"

Area (sf)	CN	Description
5,603	98	Unconnected Outcrop, HSG D
240,370	70	Woods, Good, HSG C
50,000	86	Pasture/grassland/range, Poor, HSG C
295,973	73	Weighted Average
290,370		98.11% Pervious Area
5,603		1.89% Impervious Area
5,603		100.00% Unconnected
	Area (sf) 5,603 240,370 50,000 295,973 290,370 5,603 5,603	Area (sf) CN 5,603 98 240,370 70 50,000 86 295,973 73 290,370 5,603 5,603 5,603

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Tc	Length	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 5.05 cfs @ 12.40 hrs, Volume= 0.654 af, Depth= 0.71"

Ar	rea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
1	82,402	70	Woods, Go	od, HSG C	
1	99,000	74	Pasture/gra	ssland/rang	ge, Good, HSG C
	25,000	96	Gravel surfa	ace, HSG C	
	23,000	77	Woods, Go	od, HSG D	
*	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pe	rvious Area	
	76,000		15.77% lmp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_					
Tc	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
	400	0.0400			Paved Kv= 20.3 fps
0.9	120	0.2100) 2.29		Shallow Concentrated Flow, Shallow Flow D-E
0.4	00	0.0500	10.45		Woodland KV= 5.0 fps
0.1	80	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow E-F
10	100	0 1100	1 66		Shallow Concentrated Flow, Shallow Flow F.G.
1.9	190	0.1100	1.00		Woodland Ky= 5.0 fps
4.0	380	0.0500	1 57		Shallow Concentrated Flow, Shallow Flow G-H
ч.0	500	0.0000	, 1.57		Short Grass Pasture K_{v} = 7.0 fps
25.7	1 150	Total			
20.7	1,150	rotal			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 7.79 cfs @ 12.31 hrs, Volume= 0.889 af, Depth= 0.80"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1 year Rainfall=2.60"

	A	rea (sf)	CN [Description					
*		8,320	98 l	98 Unconnected Outcrop, HSG D					
	3	21,473	70 V	Voods, Go	od, HSG C				
	2	48,378	86 F	Pasture/gra	ssland/rang	ge, Poor, HSG C			
	5	78.171	77 \	Veiahted A	verage				
	5	69.851	ç	8.56% Pe	rvious Area				
		8,320	1	.44% Impe	ervious Are	a			
		8,320	1	00.00% U	nconnected	1			
		,							
	Тс	Length	Slope	Velocity	Capacity	Description			
(n	nin)	(feet)	(ft/ft)	(ft/sec)	(cfs)				
1	2.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B			
						Range n= 0.130 P2= 3.20"			
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C			
						Short Grass Pasture Kv= 7.0 fps			
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D			
						Woodland Kv= 5.0 fps			
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E			
						Short Grass Pasture Kv= 7.0 fps			
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F			
						Woodland Kv= 5.0 fps			
2	20.4	1,075	Total						

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 5.53 cfs @ 12.30 hrs, Volume= 0.629 af, Depth= 0.80"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Description	Capacity	Velocity	Slope	Length	Тс
	(cfs)	(ft/sec)	(ft/ft)	(feet)	(min)
Sheet Flow, Sheet Flow A-B		0.25	0.0400	100	6.6
Range n= 0.130 P2= 3.20"					
Shallow Concentrated Flow, Shallow Flow B-C		0.95	0.0360	500	8.8
Woodland Kv= 5.0 fps					
Shallow Concentrated Flow, Shallow Flow C-D		2.32	0.1100	575	4.1
Short Grass Pasture Kv= 7.0 fps					
Shallow Concentrated Flow, Shallow Flow D-E		2.45	0.2400	100	0.7

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

Woodland Kv= 5.0 fps

1.82 cfs @ 12.31 hrs, Volume= Runoff 0.222 af, Depth= 0.58" =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1 year Rainfall=2.60"

_	A	rea (sf)	CN D	Description		
	47,717 70 Woods, Good, HSG C					
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 🤆	Gravel Roa	d surface, I	HSG C
200,033 72 Weighted Average			Veighted A	verage		
	2	00,033	1	00.00% Pe	ervious Are	a
	Tc	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	12.034 ac, 1	12.76% Impe	ervious,	Inflow	Depth =	0.6	67" for 1	year eve	nt
Inflow	=	6.83 cfs @	12.18 hrs,	Volume	=	0.667	af			
Outflow	=	6.83 cfs @	12.18 hrs,	Volume	=	0.667	af,	Atten= 0%	, Lag= 0	.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	4.592 ac,	0.00% Impervious,	Inflow Depth = 0.5	58" for 1 year event
Inflow	=	1.82 cfs @	12.31 hrs, Volume	= 0.222 af	
Outflow	=	1.82 cfs @	12.31 hrs, Volume	= 0.222 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	a =	12.876 ac,	7.54% Impervious,	Inflow Depth = 0.6	67" for 1 year event
Inflow	=	8.96 cfs @	12.10 hrs, Volume	= 0.714 af	
Outflow	=	8.96 cfs @	12.10 hrs, Volume	= 0.714 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	5.638 ac,	0.00% Impervious,	Inflow Depth = 0.5	50" for 1 year event
Inflow	=	1.33 cfs @	12.64 hrs, Volume	= 0.237 af	
Outflow	=	1.33 cfs @	12.64 hrs, Volume	= 0.237 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	7.754 ac,	0.00% Impervious,	Inflow Depth = 0.5	50" for 1 year event
Inflow	=	2.23 cfs @	12.43 hrs, Volume	e= 0.326 af	-
Outflow	=	2.23 cfs @	12.43 hrs, Volume	e= 0.326 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.341 ac,	0.00% Impervio	us, Inflow l	Depth = 0.50	0" for 1 y	ear event
Inflow	=	1.84 cfs @	12.42 hrs, Volu	ime=	0.266 af		
Outflow	=	1.84 cfs @	12.42 hrs, Volu	ime=	0.266 af, <i>1</i>	Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.795 ac,	1.89% Impervious,	Inflow Depth = 0.0	62" for 1 year event
Inflow	=	1.98 cfs @	12.70 hrs, Volume	e= 0.352 af	
Outflow	=	1.98 cfs @	12.70 hrs, Volume	e= 0.352 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	15.77% Impe	ervious,	Inflow [Depth = 0	.71" for 1 y	/ear event
Inflow	=	5.05 cfs @	12.40 hrs,	Volume	=	0.654 af		
Outflow	=	5.05 cfs @	12.40 hrs,	Volume	=	0.654 af	, Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	13.273 ac,	1.44% Impervious, Inflov	w Depth = 0.80 "	for 1 year event
Inflow	=	7.79 cfs @	12.31 hrs, Volume=	0.889 af	
Outflow	=	7.79 cfs @	12.31 hrs, Volume=	0.889 af, Atte	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	9.398 ac, 1	13.45% Impe	ervious,	Inflow [Depth =	0.8	0" for 1 y	ear event	
Inflow	=	5.53 cfs @	12.30 hrs,	Volume	=	0.629 a	af			
Outflow	=	5.53 cfs @	12.30 hrs,	Volume	=	0.629 a	af, <i>i</i>	Atten= 0%,	Lag= 0.0 m	in

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	Type III 24-hr 1-I	nch WQV Rainfall=1.00" Printed 6/27/2017 Page 16
Time span= Runof Reach routing by Dyn-Sto	1.00-30.00 hrs, dt=0.01 hrs, 2901 points f by SCS TR-20 method, UH=SCS pr-Ind method - Pond routing by Dyn-Sto	r-Ind method
Subcatchment1S: Subcatchment- 1 Flow Leng	Runoff Area=524,221 sf 12.76% Imper th=1,200' Tc=11.9 min UI Adjusted CN=74	vious Runoff Depth=0.02" Runoff=0.04 cfs 0.023 af
Subcatchment2S: Subcatchment- 2 Flow Le	Runoff Area=560,880 sf 7.54% Imper ength=910' Tc=6.0 min UI Adjusted CN=74	vious Runoff Depth=0.02" Runoff=0.04 cfs 0.025 af
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 sf 0.00% Imper Flow Length=950' Tc=39.6 min CN=70	vious Runoff Depth=0.00" Runoff=0.00 cfs 0.002 af
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 sf 0.00% Imper Flow Length=1,000' Tc=25.6 min CN=70	vious Runoff Depth=0.00" Runoff=0.00 cfs 0.003 af
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 sf 0.00% Imper Flow Length=950' Tc=25.1 min CN=70	vious Runoff Depth=0.00" Runoff=0.00 cfs 0.002 af
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 sf 1.89% Imper Flow Length=1,050' Tc=45.7 min CN=73	vious Runoff Depth=0.02" Runoff=0.01 cfs 0.010 af
Subcatchment7S: Subcatchment- 7 Flow Leng	Runoff Area=481,846 sf 15.77% Imper th=1,150' Tc=25.7 min UI Adjusted CN=75	vious Runoff Depth=0.03" Runoff=0.05 cfs 0.028 af
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 sf 1.44% Imper Flow Length=1,075' Tc=20.4 min CN=77	vious Runoff Depth=0.05" Runoff=0.13 cfs 0.053 af
Subcatchment9S: Subcatchment- 9 Flow Leng	Runoff Area=409,386 sf 13.45% Imper th=1,275' Tc=20.2 min UI Adjusted CN=77	vious Runoff Depth=0.05" Runoff=0.09 cfs 0.037 af
Subcatchment10S: Subcatchment- 1	0 Runoff Area=200,033 sf 0.00% Imper Flow Length=700' Tc=18.9 min CN=72	vious Runoff Depth=0.01" Runoff=0.01 cfs 0.005 af
Reach POA-1: Existing Woods to the	Northeast & Tributary to Existing	Inflow=0.04 cfs 0.023 af Outflow=0.04 cfs 0.023 af
Reach POA-10: Existing Woods to the	e Northwest	Inflow=0.01 cfs 0.005 af Outflow=0.01 cfs 0.005 af
Reach POA-2: Existing Woods to the	Northwest	Inflow=0.04 cfs 0.025 af Outflow=0.04 cfs 0.025 af
Reach POA-3: Existing Woods to the	Northwest	Inflow=0.00 cfs 0.002 af Outflow=0.00 cfs 0.002 af
Reach POA-4: Existing Woods to the	Northwest	Inflow=0.00 cfs 0.003 af Outflow=0.00 cfs 0.003 af
Reach POA-5: Existing Woods to the	Northwest	Inflow=0.00 cfs 0.002 af Outflow=0.00 cfs 0.002 af

New Milford Pre-Development	Type III 24-hr	1-Inch WQV Rainfa	all=1.00"
Prepared by AMECFW		Printed 6/	27/2017
HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software So	olutions LLC		Page 17
Reach POA-6: Existing Woods to the Northeast		Inflow=0.01 cfs	0.010 af
-		Outflow=0.01 cfs	0.010 af
Reach POA-7: Existing Woods & Candlewood Roadside	Swales to the	Inflow=0.05 cfs	0 028 af
		Outflow=0.05 cfs	0.028 af
Reach POA-8: Existing Woods to the Northeast		Inflow=0.13 cfs	0.053 af
		Outflow=0.13 cfs	0.053 af
Reach POA-9: Existing Woods to the Northeast		Inflow=0.09 cfs	0.037 af
U		Outflow=0.09 cfs	0.037 af
Total Runoff Area = 89.764 ac Runoff V 93.50% Perv	/olume = 0.188 af ious = 83.929 ac	Average Runoff De 6.50% Impervious	pth = 0.03" = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 0.04 cfs @ 14.85 hrs, Volume= 0.023 af, Depth= 0.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00"

	A	rea (sf)	CN	Description		
*		31,320	98	Unconnecte	ed Outcrop	, HSG D
	1	19,196	77	Woods, Go	od, HSG D	
		86,728	70	Woods, Go	od, HSG C	
	2	31,002	70	Woods, Go	od, HSG C	
		20,386	77	Woods, Go	od, HSG D	
*		35,589	98	Unconnecte	ed Outcrop	, HSG D
	524,221 75 Weighted Average,					Adjusted CN = 74
	4	57,312		87.24% Pe	rvious Area	l
		66,909		12.76% Imp	pervious Ar	ea
	66,909 100.00% Unconnected					ł
	Тс	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	•
	0.5	100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
						Smooth surfaces n= 0.011 P2= 3.20"
	0.3	200	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow B-C
						Paved Kv= 20.3 fps
	11.1	900	0.0730	1.35		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = $0.04 \text{ cfs} @ 14.78 \text{ hrs}, \text{ Volume} = 0.025 \text{ af}, \text{ Deptn} =$	= 0.02
---	--------

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
518,592 92.46% Pervious Área			
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Type III 24-hr 1-Inch WQV Rainfall=1.00" Printed 6/27/2017 ns LLC Page 19

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Тс	Length	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
	040	T . (.)			

5.9 910 Total, Increased to minimum Tc = 6.0 min

Summary for Subcatchment 3S: Subcatchment - 3

Runoff	=	0.00 cfs @	21.87 hrs,	Volume=	0.002 af, Depth= 0.0	00"
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Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00"

	A	rea (sf)	CN D	Description		
	1	96,656	70 V	Voods, Go	od, HSG C	
		48,949	<u>70</u> V	<u>Voods, Go</u>	<u>od, HSG C</u>	
	2	45,605	70 V	Veighted A	verage	
	2	45,605	1	00.00% Pe	ervious Are	a
	Тс	Length	Slope	Velocity	Capacity	Description
(m	nin)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
2	9.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
						Woods: Light underbrush n= 0.400 P2= 3.20"
	3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
						Woodland Kv= 5.0 fps
	3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
						Woodland Kv= 5.0 fps
3	9.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 0.00 cfs @ 21.59 hrs, Volume= 0.003 af, Depth= 0.00"

Area	(sf)	CN	Description
8	,570	70	Woods, Good, HSG C
329	,216	70	Woods, Good, HSG C
337	,786	70	Weighted Average
337	,786		100.00% Pervious Area

Prepared by AMECFW Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 20 Capacity Tc Length Slope Velocity Description (feet) (ft/ft) (ft/sec) (cfs) (min) 0.0800 Sheet Flow, Sheet Flow A-B 17.1 150 0.15 Woods: Light underbrush n= 0.400 P2= 3.20" Shallow Concentrated Flow, Shallow Flow B-C 8.5 850 0.1100 1.66 Woodland Kv= 5.0 fps 25.6 1,000 Total Summary for Subcatchment 5S: Subcatchment - 5 Runoff 0.00 cfs @ 21.67 hrs, Volume= 0.002 af, Depth= 0.00" = Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00" Area (sf) CN Description 70 129,095 Woods, Good, HSG C 147,119 Woods, Good, HSG C 70 276,214 70 Weighted Average 276,214 100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

0.01 cfs @ 15.79 hrs, Volume= Runoff 0.010 af, Depth= 0.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

New Milford Pre-Development

Type III 24-hr 1-Inch WQV Rainfall=1.00"

Type III 24-hr 1-Inch WQV Rainfall=1.00" Printed 6/27/2017

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Tc	Length	Slope	Velocity	Capacity	Description
<u>(min)</u>	(teet)	(π/π)	(ft/sec)	(CIS)	
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 0.05 cfs @ 14.08 hrs, Volume= 0.028 af, Depth= 0.03"

A	rea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
1	82,402	70	Woods, Go	od, HSG C	
	99,000	74	Pasture/gra	ssland/rang	ge, Good, HSG C
	25,000	96	Gravel surfa	ace, HSG C	
	23,000	77	Woods, Go	od, HSG D	
*	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pei	rvious Area	
	76,000		15.77% Imp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_		<u>.</u>		a 1	- · · ·
IC	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
4.0	400	0 4 4 0 0	4 00		Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C
0.4	70	0 0000	0.00		Woodland KV= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
0.0	120	0.2100	2 20		Paved Kv= 20.3 lps Shallow Concentrated Flow, Shallow Flow D F
0.9	120	0.2100	2.29		Woodland Ky= 5.0 fpc
0.1	80	0 2500	10.15		Shallow Concentrated Flow, Shallow Flow F-F
0.1	00	0.2000	10.15		Payed Ky-20.3 fps
19	190	0 1100	1 66		Shallow Concentrated Flow Shallow Flow F-G
1.0	100	0.1100	1.00		Woodland $K_{V} = 5.0 \text{ fps}$
4.0	380	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow G-H
	200				Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 0.13 cfs @ 12.67 hrs, Volume= 0.053 af, Depth= 0.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00"

	A	ea (sf)	CN E	Description		
*		8,320	98 L	Jnconnecte	ed Outcrop,	HSG D
	3	21,473	70 V	Voods, Go	od, HSG C	
	2	48,378	86 F	Pasture/gra	ssland/rang	ge, Poor, HSG C
	5	78,171	77 V	Veighted A	verage	
	5	69,851	g	8.56% Pe	rvious Area	
		8,320	1	.44% Impe	ervious Are	a
		8,320	1	00.00% U	nconnected	1
	Tc	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E
						Short Grass Pasture Kv= 7.0 fps
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F
_						Woodland Kv= 5.0 fps
	20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 0.09 cfs @ 12.66 hrs, Volume= 0.037 af, Depth= 0.05"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Type III 24-hr 1-Inch WQV Rainfall=1.00" Printed 6/27/2017

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Тс	Length	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
6.6	100	0.0400	0.25		Sheet Flow, Sheet Flow A-B
					Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 0.01 cfs @ 15.69 hrs, Volume= 0.005 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 1-Inch WQV Rainfall=1.00"

_	A	rea (sf)	CN D	Description		
		47,717	70 V	Voods, Go	od, HSG C	
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 0	Gravel Roa	d surface, I	HSG C
	2	00,033	72 V	Veighted A	verage	
	2	00,033	1	00.00% Pe	ervious Are	a
	Tc	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	12.034 ac, 1	2.76% Impervie	ous, Inflow De	epth = 0.02"	for 1-Inch WQV event
Inflow	=	0.04 cfs @	14.85 hrs, Vol	ume=	0.023 af	
Outflow	=	0.04 cfs @	14.85 hrs, Vol	ume=	0.023 af, At	ten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	4.592 ac,	0.00% Impervious, I	Inflow Depth = 0.0	01" for 1-Inch WQV event
Inflow	=	0.01 cfs @	15.69 hrs, Volume=	= 0.005 af	
Outflow	=	0.01 cfs @	15.69 hrs, Volume=	= 0.005 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.876 ac,	7.54% Impervious, I	Inflow Depth = 0.0	02" for 1-Inch WQV event
Inflow	=	0.04 cfs @	14.78 hrs, Volume=	= 0.025 af	
Outflow	=	0.04 cfs @	14.78 hrs, Volume=	= 0.025 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	5.638 ac,	0.00% Impervious,	Inflow Depth =	0.00" f	or 1-Inch WQV event
Inflow	=	0.00 cfs @	21.87 hrs, Volume	= 0.002	af	
Outflow	=	0.00 cfs @	21.87 hrs, Volume	= 0.002	af, Atten	= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	7.754 ac,	0.00% Impervious	, Inflow Depth =	0.00"	for 1-Inch WQV event
Inflow	=	0.00 cfs @	21.59 hrs, Volum	e= 0.003	af	
Outflow	=	0.00 cfs @	21.59 hrs, Volum	e= 0.003	af, Att	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	a =	6.341 ac,	0.00% Impervious,	Inflow Depth = 0.9	00" for 1-Inch WQV event
Inflow	=	0.00 cfs @	21.67 hrs, Volume	= 0.002 af	
Outflow	=	0.00 cfs @	21.67 hrs, Volume	= 0.002 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.795 ac,	1.89% Impervious, In	nflow Depth = 0.02	2" for 1-Inch WQV event
Inflow	=	0.01 cfs @	15.79 hrs, Volume=	0.010 af	
Outflow	=	0.01 cfs @	15.79 hrs, Volume=	• 0.010 af, <i>i</i>	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	5.77% Impervi	ious, Inflow	Depth = 0.0)3" for 1-Ir	nch WQV event
Inflow	=	0.05 cfs @	14.08 hrs, Vo	olume=	0.028 af		
Outflow	=	0.05 cfs @	14.08 hrs, Vo	olume=	0.028 af,	Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	13.273 ac,	1.44% Impervious,	Inflow Depth = 0.0	5" for 1-Inch WQV event
Inflow	=	0.13 cfs @	12.67 hrs, Volume	= 0.053 af	
Outflow	=	0.13 cfs @	12.67 hrs, Volume=	= 0.053 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	9.398 ac, 13.45% Impervious, Inflov	v Depth = 0.05"	for 1-Inch WQV event
Inflow	=	0.09 cfs @ 12.66 hrs, Volume=	0.037 af	
Outflow	=	0.09 cfs @ 12.66 hrs, Volume=	0.037 af, Atte	en= 0%, Lag= 0.0 min

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hy	Type III 24-hr 2 year Rainfall=3.20" Printed 6/27/2017 C Page 26	
Time span= Runo Reach routing by Dyn-St	=1.00-30.00 hrs, dt=0.01 hrs, 2 ff by SCS TR-20 method, UH= or-Ind method , Pond routing	2901 points =SCS g by Dyn-Stor-Ind method
Subcatchment1S: Subcatchment- 1 Flow Lengt	Runoff Area=524,221 sf h=1,200' Tc=11.9 min UI Adju	12.76% Impervious Runoff Depth=1.04" usted CN=74 Runoff=11.36 cfs 1.041 af
Subcatchment2S: Subcatchment- 2 Flow Le	Runoff Area=560,880 sf ngth=910' Tc=6.0 min UI Adju	7.54% Impervious Runoff Depth=1.04" usted CN=74 Runoff=14.84 cfs 1.113 af
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 sf Flow Length=950' Tc=39.6	0.00% Impervious Runoff Depth=0.83" 6 min CN=70 Runoff=2.43 cfs 0.389 af
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 sf Flow Length=1,000' Tc=25.6	0.00% Impervious Runoff Depth=0.83" 6 min CN=70 Runoff=4.07 cfs 0.535 af
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 sf Flow Length=950' Tc=25.1	0.00% Impervious Runoff Depth=0.83" 1 min CN=70 Runoff=3.36 cfs 0.438 af
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 sf Flow Length=1,050' Tc=45.7	1.89% Impervious Runoff Depth=0.98" 7 min CN=73 Runoff=3.35 cfs 0.556 af
Subcatchment7S: Subcatchment- 7 Flow Leng	Runoff Area=481,846 sf gth=1,150' Tc=25.7 min UI Adj	15.77% Impervious Runoff Depth=1.09" ljusted CN=75 Runoff=8.18 cfs 1.008 af
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 sf Flow Length=1,075' Tc=20.4	1.44% Impervious Runoff Depth=1.21" min CN=77 Runoff=12.20 cfs 1.340 af
Subcatchment9S: Subcatchment- 9 Flow Leng	Runoff Area=409,386 sf gth=1,275' Tc=20.2 min UI Adj	13.45% Impervious Runoff Depth=1.21" justed CN=77 Runoff=8.67 cfs 0.949 af
Subcatchment10S: Subcatchment-1	IO Runoff Area=200,033 sf Flow Length=700' Tc=18.9	0.00% Impervious Runoff Depth=0.93" 9 min CN=72 Runoff=3.17 cfs 0.356 af
Reach POA-1: Existing Woods to the	Northeast & Tributary to Exi	Inflow=11.36 cfs 1.041 af Outflow=11.36 cfs 1.041 af
Reach POA-10: Existing Woods to the	e Northwest	Inflow=3.17 cfs 0.356 af Outflow=3.17 cfs 0.356 af
Reach POA-2: Existing Woods to the	Northwest	Inflow=14.84 cfs 1.113 af Outflow=14.84 cfs 1.113 af
Reach POA-3: Existing Woods to the	Northwest	Inflow=2.43 cfs 0.389 af Outflow=2.43 cfs 0.389 af
Reach POA-4: Existing Woods to the	Northwest	Inflow=4.07 cfs 0.535 af Outflow=4.07 cfs 0.535 af
Reach POA-5: Existing Woods to the	Northwest	Inflow=3.36 cfs 0.438 af Outflow=3.36 cfs 0.438 af

New Milford Pre-Development	Type III 24-hr 2 year Rainfall=3.20"
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Reach POA-6: Existing Woods to the Northeast	Inflow=3.35 cfs 0.556 af
5	Outflow=3.35 cfs 0.556 af
Reach POA-7: Existing Woods & Candlewood Roadside Swales to	the Inflow=8.18 cfs 1.008 af
	Outflow=8.18 cfs 1.008 af
Reach POA-8: Existing Woods to the Northeast	Inflow=12.20 cfs 1.340 af
	Outflow=12.20 cfs 1.340 af
Reach POA-9: Existing Woods to the Northeast	Inflow=8.67 cfs 0.949 af
	Outflow=8.67 cfs 0.949 af
Total Runoff Area = 89.764 ac Runoff Volume = 7 93.50% Pervious = 83.	7.726 af Average Runoff Depth = 1.03" 929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 11.36 cfs @ 12.18 hrs, Volume= 1.041 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 2 year Rainfall=3.20"

	A	rea (sf)	CN	Description		
*		31,320	98	Unconnecte	ed Outcrop	, HSG D
	1	19,196	77	Woods, Go	od, HSG D	
		86,728	70	Woods, Go	od, HSG C	
	2	31,002	70	Woods, Go	od, HSG C	
		20,386	77	Woods, Go	od, HSG D	
*		35,589	98	Unconnecte	ed Outcrop	, HSG D
	5	24,221	75	Weighted A	verage, UI	Adjusted CN = 74
	457,312 87.24% Pervious Area				rvious Area	l de la constante de
		66,909		12.76% Imp	pervious Ar	ea
		66,909		100.00% U	nconnected	t
	Тс	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	0.5	100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
						Smooth surfaces n= 0.011 P2= 3.20"
	0.3	200	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow B-C
						Paved Kv= 20.3 fps
	11.1	900	0.0730	1.35		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	11.9	1.200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff	=	14.84 cfs @	12.10 hrs,	Volume=	1.113 af, Depth= 1.04"
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	Area (sf)	CN	Description	
	288,520	70	Woods, Good, HSG C	
*	42,288	98	Unconnected Outcrop, HSG D	
	89,278	77	Woods, Good, HSG D	
	12,686	70	Woods, Good, HSG C	
	128,108	77	Woods, Good, HSG D	
	560,880	75	Weighted Average, UI Adjusted CN = 74	
	518,592	92 92.46% Pervious Area		
	42,288		7.54% Impervious Area	
	42,288		100.00% Unconnected	

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Type III 24-hr 2 year Rainfall=3.20" Printed 6/27/2017 Page 29

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

5.9 910 Total, Increased to minimum Tc = 6.0 min

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Summary for Subcatchment 3S: Subcatchment - 3

Runoff	=	2.43 cfs @	12.63 hrs,	Volume=	0.389 af,	Depth= 0.83"
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Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 2 year Rainfall=3.20"

 A	rea (sf)	CN D	escription		
1	96,656	70 V	Voods, Go	od, HSG C	
	48,949	70 V	Voods, Go	od, HSG C	
2	45,605	70 V	Veighted A	verage	
2	45,605	1	00.00% Pe	ervious Are	а
_					
Тс	Length	Slope	Velocity	Capacity	Description
 (min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
29.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 4.07 cfs @ 12.40 hrs, Volume= 0.535 af, Depth= 0.83"

Area	(sf)	CN	Description	
8,	570	70	Woods, Good, HSG C	
329,	216	70	Woods, Good, HSG C	
337,	786	70	Weighted Average	
337,	786		100.00% Pervious Area	

New M	ilford P	re-Deve	elopmen	t	Type III 24-hr 2 year Rainfall=3.20"	
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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B	
8.5	850	0.1100	1.66		Woods: Light underbrush n= 0.400 P2= 3.20" Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps	
25.6	1,000	Total				
Summary for Subcatchment 5S: Subcatchment - 5						
Runoff	=	3.36 cf	s@ 12.4	1 hrs, Volu	me= 0.438 af, Depth= 0.83"	
Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 2 year Rainfall=3.20" Area (sf) CN Description						
1	29,095	70 V	Voods, Go	od, HSG C		
1	47,119	70 V	Voods, Go	od, HSG C		
2	76,214	70 V	Veighted A	verage		
2	76,214	1	00.00% P	ervious Are	a	
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B	
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps	
25.1	950	Total				
		Su	mmary f	or Subca	tchment 6S: Subcatchment - 6	

Runoff = 3.35 cfs @ 12.69 hrs, Volume= 0.556 af, Depth= 0.98"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

8.18 cfs @ 12.39 hrs, Volume= 1.008 af, Depth= 1.09" Runoff =

Ar	rea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
1	182,402 70 Woods, Good, HSG C				
1	99,000	74	Pasture/gra	ssland/rang	ge, Good, HSG C
	25,000	96	Gravel surfa	ace, HSG C	
	23,000	77	Woods, Go	od, HSG D	
*	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pe	rvious Area	
	76,000		15.77% lmp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_					
Tc	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
	400	0.0400			Paved Kv= 20.3 fps
0.9	120	0.2100) 2.29		Shallow Concentrated Flow, Shallow Flow D-E
0.4	00	0.0500	10.45		Woodland KV= 5.0 fps
0.1	80	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow E-F
10	100	0 1100	1 66		Shallow Concentrated Flow, Shallow Flow F.G.
1.9	190	0.1100	1.00		Woodland Ky= 5.0 fps
4.0	380	0.0500	1 57		Shallow Concentrated Flow, Shallow Flow G-H
ч.0	500	0.0000	, 1.57		Short Grass Pasture $Kv = 7.0$ fps
25.7	1 150	Total			
20.7	1,150	rotal			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 12.20 cfs @ 12.30 hrs, Volume= 1.340 af, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 2 year Rainfall=3.20"

	A	ea (sf)	CN E	Description						
*		8,320	98 L	Jnconnecte	ed Outcrop,	HSG D				
	3	21,473	70 V	70 Woods, Good, HSG C						
248,378 86 Pasture/grassland/range, Poor, HSG C										
	5	78,171	77 V	Veighted A	verage					
	5	69,851	g	8.56% Pe	rvious Area					
		8,320	1	.44% Impe	ervious Are	a				
		8,320	1	00.00% U	nconnected	1				
	Tc	Length	Slope	Velocity	Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·				
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B				
						Range n= 0.130 P2= 3.20"				
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C				
						Short Grass Pasture Kv= 7.0 fps				
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D				
						Woodland Kv= 5.0 fps				
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E				
						Short Grass Pasture Kv= 7.0 fps				
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F				
_						Woodland Kv= 5.0 fps				
	20.4	1,075	Total							

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 8.67 cfs @ 12.29 hrs, Volume= 0.949 af, Depth= 1.21"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		Sheet Flow, Sheet Flow A-B
					Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

3.17 cfs @ 12.29 hrs, Volume= 0.356 af, Depth= 0.93" Runoff =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 2 year Rainfall=3.20"

_	A	rea (sf)	CN D	Description		
	47,717 70 Woods, Good, HSG C					
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 0	Gravel Roa	d surface, I	HSG C
	2	00,033	72 V	Veighted A	verage	
	2	00,033	1	00.00% Pe	ervious Are	a
	Tc	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
_						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.034 ac, 1	2.76% Impervious,	Inflow Depth = 1.0	04" for 2 year event
Inflow	=	11.36 cfs @	12.18 hrs, Volume	e 1.041 af	
Outflow	=	11.36 cfs @	12.18 hrs, Volume	e 1.041 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	a =	4.592 ac,	0.00% Impervious,	Inflow Depth = 0.9	93" for 2 year event
Inflow	=	3.17 cfs @	12.29 hrs, Volume	= 0.356 af	
Outflow	=	3.17 cfs @	12.29 hrs, Volume	e= 0.356 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Ar	ea =	12.876 ac,	7.54% Impervious, Inflo	tow Depth = 1.04 "	for 2 year event
Inflow	=	14.84 cfs @	12.10 hrs, Volume=	1.113 af	
Outflow	=	14.84 cfs @	12.10 hrs, Volume=	1.113 af, Atte	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	5.638 ac,	0.00% Impervious,	Inflow Depth = 0.8	33" for 2 year event
Inflow	=	2.43 cfs @	12.63 hrs, Volume	= 0.389 af	
Outflow	=	2.43 cfs @	12.63 hrs, Volume	= 0.389 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	7.754 ac,	0.00% Impervious,	Inflow Depth = 0.8	33" for 2 year event
Inflow	=	4.07 cfs @	12.40 hrs, Volume	= 0.535 af	-
Outflow	=	4.07 cfs @	12.40 hrs, Volume	= 0.535 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area =		6.341 ac,	0.00% Impervious,	Inflow Depth = 0.8	83" for 2 year event
Inflow	=	3.36 cfs @	12.41 hrs, Volume	e= 0.438 af	
Outflow	=	3.36 cfs @	12.41 hrs, Volume	e= 0.438 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area =		6.795 ac,	1.89% Impervious,	Inflow Depth = 0.9	98" for 2 year event
Inflow	=	3.35 cfs @	12.69 hrs, Volume	e 0.556 af	
Outflow	=	3.35 cfs @	12.69 hrs, Volume	e 0.556 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	15.77% Impe	ervious,	Inflow	Depth =	1.0)9" for 2 y	ear event	
Inflow	=	8.18 cfs @	12.39 hrs,	Volume	=	1.008	af			
Outflow	=	8.18 cfs @	12.39 hrs,	Volume	=	1.008	af,	Atten= 0%,	Lag= 0.0) min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	\rea =	13.273 ac,	1.44% Impervious, Inf	low Depth = 1.21 "	for 2 year event
Inflow	=	12.20 cfs @	12.30 hrs, Volume=	1.340 af	
Outflow	=	12.20 cfs @	12.30 hrs, Volume=	1.340 af, Att	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	9.398 ac, 7	13.45% Impe	ervious,	Inflow De	pth = 1.	21" for 2 y	ear event
Inflow	=	8.67 cfs @	12.29 hrs,	Volume	=	0.949 af		
Outflow	=	8.67 cfs @	12.29 hrs,	Volume	=	0.949 af,	Atten= 0%,	Lag= 0.0 min

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydroce Structure (Structure)	droCAD Software Solutions LL	Type III 24-hr C	<i>0 year Rainfall=4.70"</i> Printed 6/27/2017 <u>Page 36</u>
Time span=	1.00-30.00 hrs, dt=0.01 hrs,	, 2901 points	d method
Runofi	f by SCS TR-20 method, UH	H=SCS	
Reach routing by Dyn-Sto	pr-Ind method - Pond routir	ng by Dyn-Stor-In	
Subcatchment1S: Subcatchment- 1	Runoff Area=524,221 sf	12.76% Impervio	us Runoff Depth=2.13"
Flow Length	n=1,200' Tc=11.9 min UI Adj	justed CN=74 Ru	noff=24.47 cfs 2.133 af
Subcatchment2S: Subcatchment- 2	Runoff Area=560,880 si	f 7.54% Impervio	us Runoff Depth=2.13"
Flow Ler	ngth=910' Tc=6.0 min UI Adj	justed CN=74 Ru	noff=31.88 cfs 2.283 af
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 st	f 0.00% Impervio	us Runoff Depth=1.82"
	Flow Length=950' Tc=39.	.6 min CN=70 R	unoff=5.78 cfs 0.854 af
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 st	f 0.00% Impervio	us Runoff Depth=1.82"
	Flow Length=1,000' Tc=25.	.6 min CN=70 R	unoff=9.75 cfs 1.174 af
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 st	f 0.00% Impervio	us Runoff Depth=1.82"
	Flow Length=950' Tc=25.	.1 min CN=70 R	unoff=8.04 cfs 0.960 af
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 st	f 1.89% Impervio	us Runoff Depth=2.05"
	Flow Length=1,050' Tc=45.	.7 min CN=73 R	unoff=7.40 cfs 1.159 af
Subcatchment7S: Subcatchment- 7	Runoff Area=481,846 sf	15.77% Impervio	us Runoff Depth=2.21"
Flow Length	n=1,150' Tc=25.7 min UI Adj	justed CN=75 Ru	noff=17.24 cfs 2.036 af
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 st	f 1.44% Impervio	us Runoff Depth=2.37"
	Flow Length=1,075' Tc=20.4	I min CN=77 Ru	noff=24.60 cfs 2.626 af
Subcatchment9S: Subcatchment- 9	Runoff Area=409,386 sf	13.45% Impervio	us Runoff Depth=2.37"
Flow Length	n=1,275' Tc=20.2 min UI Adj	justed CN=77 Ru	noff=17.53 cfs 1.859 af
Subcatchment10S: Subcatchment-1	0 Runoff Area=200,033 st	f 0.00% Impervio	us Runoff Depth=1.97"
	Flow Length=700' Tc=18.	.9 min CN=72 R	unoff=7.17 cfs 0.754 af
Reach POA-1: Existing Woods to the I	Northeast & Tributary to Ex	tisting In Out	flow=24.47 cfs 2.133 af flow=24.47 cfs 2.133 af
Reach POA-10: Existing Woods to the	Northwest	l Ou	nflow=7.17 cfs 0.754 af utflow=7.17 cfs 0.754 af
Reach POA-2: Existing Woods to the I	Northwest	In Out	flow=31.88 cfs 2.283 af flow=31.88 cfs 2.283 af
Reach POA-3: Existing Woods to the I	Northwest	l Ou	nflow=5.78 cfs 0.854 af utflow=5.78 cfs 0.854 af
Reach POA-4: Existing Woods to the I	Northwest	l Ou	nflow=9.75 cfs 1.174 af utflow=9.75 cfs 1.174 af
Reach POA-5: Existing Woods to the I	Northwest	l Ou	nflow=8.04 cfs 0.960 af utflow=8.04 cfs 0.960 af
New Milford Pre-Development	Type III 24-hr 10 year Rainfall=4.70"		
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Reach POA-6: Existing Woods to the Northeast	Inflow=7.40 cfs 1.159 af		
C C	Outflow=7.40 cfs 1.159 af		
Reach POA-7: Existing Woods & Candlewood Roadside Swal	es to the Inflow=17.24 cfs 2.036 af		
	Outflow=17.24 cfs 2.036 af		
Reach POA-8: Existing Woods to the Northeast	Inflow=24.60 cfs 2.626 af		
	Outflow=24.60 cfs 2.626 af		
Reach POA-9: Existing Woods to the Northeast	Inflow=17.53 cfs 1.859 af		
	Outflow=17.53 cfs 1.859 af		
Total Runoff Area = 89.764 ac Runoff Volume 93.50% Pervious =	= 15.838 af Average Runoff Depth = 2.12" : 83.929 ac 6.50% Impervious = 5.835 ac		

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 24.47 cfs @ 12.17 hrs, Volume= 2.133 af, Depth= 2.13"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

	Ar	ea (sf)	CN	Description		
*		31,320	98	Unconnecte	ed Outcrop	, HSG D
	1	19,196	77	Woods, Go	od, HSG D	
	8	36,728	70	Woods, Go	od, HSG C	
	23	31,002	70	Woods, Go	od, HSG C	
	1	20,386	77	Woods, Go	od, HSG D	
*		35,589	98	Unconnecte	ed Outcrop	, HSG D
	52	24,221	75	Weighted A	verage, UI	Adjusted CN = 74
	4	57,312		87.24% Pe	rvious Area	l de la constante de
	(66,909		12.76% Imp	pervious Ar	ea
	(6,909		100.00% U	nconnected	t
	Тс	Length	Slope	e Velocity	Capacity	Description
(m	in)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
().5	100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
						Smooth surfaces n= 0.011 P2= 3.20"
().3	200	0.2500) 10.15		Shallow Concentrated Flow, Shallow Flow B-C
						Paved Kv= 20.3 fps
11	1.1	900	0.0730) 1.35		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
11	1.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff =	31.88 cfs @	12.09 hrs, Volume=	2.283 af, Depth= 2.13"
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	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
	010	Total	noroood t		

910 Total, Increased to minimum Tc = 6.0 min 5.9

Summary for Subcatchment 3S: Subcatchment - 3

Runoff =	=	5.78 cfs @	12.58 hrs,	Volume=	0.854 af,	Depth=	1.82"
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Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

 A	rea (sf)	CN D	Description		
1	96,656	70 V	Voods, Go	od, HSG C	
	48,949	70 V	Voods, Go	od, HSG C	
2	45,605	70 V	Veighted A	verage	
2	45,605	1	00.00% Pe	ervious Are	a
_					
Tc	Length	Slope	Velocity	Capacity	Description
 (min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
29.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 9.75 cfs @ 12.37 hrs, Volume= 1.174 af, Depth= 1.82"

Area (sf)	CN	Description			
8,570	70	Woods, Good, HSG C			
329,216	70	Woods, Good, HSG C			
337,786	70	Weighted Average			
337,786		100.00% Pervious Area			

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15	(010)	Sheet Flow Sheet Flow A-B
	100	0.0000	0.10		Woods: Light underbrush $n=0.400$ P2= 3.20"
8.5	850	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps

Type III 24-hr 10 year Rainfall=4.70"

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25.6 1,000 Total

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 8.04 cfs @ 12.36 hrs, Volume= 0.960 af, Depth= 1.82"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

A	rea (sf)	CN	Description		
1	29,095	70	Woods, Go	od, HSG C	
1	47,119	70	Woods, Go	od, HSG C	
2	76,214	70	Weighted A	verage	
2	76,214		100.00% P	ervious Are	a
Тс	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 7.40 cfs @ 12.64 hrs, Volume= 1.159 af, Depth= 2.05"

	Area (sf)	CN	Description					
*	5,603	98	Unconnected Outcrop, HSG D					
	240,370	70	Voods, Good, HSG C					
	50,000	86	Pasture/grassland/range, Poor, HSG C					
	295,973	73	Veighted Average					
	290,370		98.11% Pervious Area					
	5,603		1.89% Impervious Area					
	5,603		100.00% Unconnected					

 Type III 24-hr
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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 17.24 cfs @ 12.37 hrs, Volume= 2.036 af, Depth= 2.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

Ar	ea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
1	82,402	70	Woods, Go	od, HSG C	
9	99,000	74	Pasture/gra	ssland/rang	ge, Good, HSG C
:	25,000	96	Gravel surfa	ace, HSG C	
:	23,000	77	Woods, Go	od, HSG D	
* ·	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pe	rvious Area	
	76,000		15.77% lmp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_		.			
IC	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C
0.4	70	0 0000			Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
0.0	100	0.0400	· · · · · ·		Paved Kv= 20.3 fps Shallow Concentrated Flow, Shallow Flow D F
0.9	120	0.2100) 2.29		Shallow Concentrated Flow, Shallow Flow D-E
0.1	80	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow F-F
0.1	00	0.2300	10.15		Payed Ky = 20.3 fps
19	190	0 1100	1 66		Shallow Concentrated Flow, Shallow Flow F-G
1.5	100	0.1100	, 1.00		Woodland $K_{V} = 5.0$ fps
4 0	380	0.0500) 1.57		Shallow Concentrated Flow, Shallow Flow G-H
	500	2.5000			Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

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Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 24.60 cfs @ 12.29 hrs, Volume= 2.626 af, Depth= 2.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

	Ar	rea (sf)	CN D	Description		
*		8,320	98 L	Inconnecte	ed Outcrop,	HSG D
	3	21,473	70 V	Voods, Go	od, HSG C	
	2	48,378	86 F	Pasture/gra	ssland/rang	ge, Poor, HSG C
	5	78,171	77 V	Veighted A	verage	
	5	69.851	9	8.56% Pe	rvious Area	
		8,320	1	.44% Impe	ervious Are	a
		8,320	1	00.00% U	nconnected	1
	Тс	Length	Slope	Velocity	Capacity	Description
_ (min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E
						Short Grass Pasture Kv= 7.0 fps
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F
						Woodland Kv= 5.0 fps
	20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 17.53 cfs @ 12.28 hrs, Volume= 1.859 af, Depth= 2.37"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		Sheet Flow, Sheet Flow A-B
					Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

7.17 cfs @ 12.27 hrs, Volume= 0.754 af, Depth= 1.97" Runoff =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 10 year Rainfall=4.70"

_	A	rea (sf)	CN D	Description		
		47,717	70 V	Voods, Go	od, HSG C	
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 0	Gravel Roa	d surface, I	HSG C
	2	00,033	72 V	Veighted A	verage	
	2	00,033	1	00.00% Pe	ervious Are	a
	Tc	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
_						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	12.034 ac, 1	2.76% Impervious,	Inflow Depth = 2.7	13" for 10 year event
Inflow	=	24.47 cfs @	12.17 hrs, Volume	= 2.133 af	
Outflow	=	24.47 cfs @	12.17 hrs, Volume	= 2.133 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	a =	4.592 ac,	0.00% Impervious,	Inflow Depth = 1.9	97" for 10 year event
Inflow	=	7.17 cfs @	12.27 hrs, Volume	= 0.754 af	
Outflow	=	7.17 cfs @	12.27 hrs, Volume	= 0.754 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	12.876 ac,	7.54% Impervious, In	flow Depth = 2.13 "	for 10 year event
Inflow	=	31.88 cfs @	12.09 hrs, Volume=	2.283 af	
Outflow	=	31.88 cfs @	12.09 hrs, Volume=	2.283 af, Att	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	5.638 ac,	0.00% Impervious,	Inflow Depth =	1.82" for 10	year event
Inflow	=	5.78 cfs @	12.58 hrs, Volum	e= 0.854 a	af	
Outflow	=	5.78 cfs @	12.58 hrs, Volum	e= 0.854 a	af, Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	7.754 ac,	0.00% Impervious,	Inflow Depth = 1.8	32" for 10 year event
Inflow	=	9.75 cfs @	12.37 hrs, Volume	= 1.174 af	-
Outflow	=	9.75 cfs @	12.37 hrs, Volume	= 1.174 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.341 ac,	0.00% Imperviou	s, Inflow De	epth = 1.8	82" for 10	year event
Inflow	=	8.04 cfs @	12.36 hrs, Volur	∩e=	0.960 af		
Outflow	=	8.04 cfs @	12.36 hrs, Volur	∩e=	0.960 af,	Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.795 ac,	1.89% Impervious,	Inflow Depth =	2.05" for 10	year event
Inflow	=	7.40 cfs @	12.64 hrs, Volume	e= 1.159 a	af	
Outflow	=	7.40 cfs @	12.64 hrs, Volume	e 1.159 a	af, Atten= 0%,	Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	5.77% Impe	ervious,	Inflow	Depth =	2.2	21" for 10	year eve	nt
Inflow	=	17.24 cfs @	12.37 hrs,	Volume	=	2.036	af			
Outflow	=	17.24 cfs @	12.37 hrs,	Volume	=	2.036	af,	Atten= 0%,	Lag= 0.0) min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	a =	13.273 ac,	1.44% Impervious,	Inflow Depth = 2.3	37" for 10 year event
Inflow	=	24.60 cfs @	12.29 hrs, Volume	= 2.626 af	-
Outflow	=	24.60 cfs @	12.29 hrs, Volume	= 2.626 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow /	Area =		9.398 ac,	13.45% Imp	ervious,	Inflow	Depth =	2.3	37" for 10	year ever	nt
Inflow	=	1	7.53 cfs @	2 12.28 hrs,	Volume)=	1.859	af			
Outflow	v =	1	7.53 cfs @	2 12.28 hrs,	Volume	=	1.859	af,	Atten= 0%,	Lag= 0.0) min

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	droCAD Software Solutions LL	Type III 24-hr 25 y C	year Rainfall=5.50" Printed 6/27/2017 Page 46
Time span=	1.00-30.00 hrs, dt=0.01 hrs,	2901 points	nethod
Runof	f by SCS TR-20 method, UH	I=SCS	
Reach routing by Dyn-Ste	pr-Ind method - Pond routin	ig by Dyn-Stor-Ind r	
Subcatchment1S: Subcatchment- 1	Runoff Area=524,221 sf	12.76% Impervious	Runoff Depth=2.77"
Flow Lengtl	=1,200' Tc=11.9 min UI Adj	usted CN=74 Runof	f=32.09 cfs 2.777 af
Subcatchment2S: Subcatchment- 2	Runoff Area=560,880 sf	7.54% Impervious	Runoff Depth=2.77"
Flow Let	ngth=910' Tc=6.0 min UI Adj	usted CN=74 Runof	f=41.76 cfs 2.971 af
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 sf	0.00% Impervious	Runoff Depth=2.41"
	Flow Length=950' Tc=39.	6 min CN=70 Rund	off=7.79 cfs 1.134 af
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 sf	0.00% Impervious	Runoff Depth=2.41"
	Flow Length=1,000' Tc=25.6	min CN=70 Runof	f=13.15 cfs 1.560 af
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 sf	0.00% Impervious	Runoff Depth=2.41"
	Flow Length=950' Tc=25.1	min CN=70 Runof	f=10.85 cfs 1.276 af
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 sf	1.89% Impervious	Runoff Depth=2.68"
	Flow Length=1,050' Tc=45.	7 min CN=73 Rund	off=9.77 cfs 1.517 af
Subcatchment7S: Subcatchment- 7	Runoff Area=481,846 sf	15.77% Impervious	Runoff Depth=2.86"
Flow Lengtl	n=1,150' Tc=25.7 min UI Adj	usted CN=75 Runof	f=22.46 cfs 2.637 af
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 sf	1.44% Impervious	Runoff Depth=3.05"
	Flow Length=1,075' Tc=20.4	min CN=77 Runof	f=31.67 cfs 3.370 af
Subcatchment9S: Subcatchment- 9	Runoff Area=409,386 sf	13.45% Impervious	Runoff Depth=3.05"
Flow Lengtl	n=1,275' Tc=20.2 min UI Adj	usted CN=77 Runof	f=22.57 cfs 2.386 af
Subcatchment10S: Subcatchment- 1	0 Runoff Area=200,033 sf	0.00% Impervious	Runoff Depth=2.59"
	Flow Length=700' Tc=18.	9 min CN=72 Rund	off=9.54 cfs 0.991 af
Reach POA-1: Existing Woods to the	Northeast & Tributary to Ex	isting Inflow Outflow	w=32.09 cfs 2.777 af w=32.09 cfs 2.777 af
Reach POA-10: Existing Woods to the	Northwest	Inflo Outflo	ow=9.54 cfs 0.991 af ow=9.54 cfs 0.991 af
Reach POA-2: Existing Woods to the	Northwest	Inflov Outflov	w=41.76 cfs 2.971 af w=41.76 cfs 2.971 af
Reach POA-3: Existing Woods to the	Northwest	Inflc Outflc	ow=7.79 cfs 1.134 af ow=7.79 cfs 1.134 af
Reach POA-4: Existing Woods to the	Northwest	Inflov Outflov	v=13.15 cfs 1.560 af v=13.15 cfs 1.560 af
Reach POA-5: Existing Woods to the	Northwest	Inflov Outflov	v=10.85 cfs 1.276 af v=10.85 cfs 1.276 af

New Milford Pre-Development	Type III 24-hr 25 year Rainfall=5.50"
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Reach POA-6: Existing Woods to the Northeast	Inflow=9.77 cfs 1.517 af
5	Outflow=9.77 cfs 1.517 af
Reach POA-7: Existing Woods & Candlewood Roadside Swales	to the Inflow=22.46 cfs 2.637 af
	Outflow=22.46 cfs 2.637 af
Reach POA-8: Existing Woods to the Northeast	Inflow=31.67 cfs 3.370 af
	Outflow=31.67 cfs 3.370 af
Reach POA-9: Existing Woods to the Northeast	Inflow=22.57 cfs 2.386 af
	Outflow=22.57 cfs 2.386 af
Total Runoff Area = 89.764 ac Runoff Volume = 2 93.50% Pervious = 83	20.619 af Average Runoff Depth = 2.76" 3.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 32.09 cfs @ 12.17 hrs, Volume= 2.777 af, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 25 year Rainfall=5.50"

	A	rea (sf)	CN	Description		
*		31,320	98	Unconnecte	ed Outcrop	, HSG D
	1	19,196	77	Woods, Go	od, HSG D	
		86,728	70	Woods, Go	od, HSG C	
	2	31,002	70	Woods, Go	od, HSG C	
		20,386	77	Woods, Go	od, HSG D	
*		35,589	98	Unconnecte	ed Outcrop	, HSG D
	5	24,221	75	Weighted A	verage, UI	Adjusted CN = 74
	4	57,312	1	87.24% Pe	rvious Area	l de la constante de
		66,909		12.76% Imp	pervious Ar	ea
		66,909		100.00% U	nconnected	t
	Тс	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	0.5	100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
						Smooth surfaces n= 0.011 P2= 3.20"
	0.3	200	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow B-C
						Paved Kv= 20.3 fps
	11.1	900	0.0730	1.35		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	11.9	1.200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 41.76 cfs @ 12.09 hrs, Volume= 2.971 at, Depth= 2	off = 41.76 cfs @	2 12.09 hrs, Volume	2.971 af, Depth= 2.77
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	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

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Type III 24-hr 25 year Rainfall=5.50" Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 49

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
5.9	910	Total.	ncreased t	o minimum	Tc = 6.0 min

Total, Increased to minimum Tc = 6.0 min 910

Summary for Subcatchment 3S: Subcatchment - 3

Runoff	=	7.79 cfs @	12.55 hrs, Volume=	1.134 af, Depth= 2.41"
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Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 25 year Rainfall=5.50"

A	vrea (sf)	CN D	Description		
	196,656	70 V	Voods, Go	od, HSG C	
	48,949	70 V	<u>Voods, Go</u>	<u>od, HSG C</u>	
	245,605	70 V	Veighted A	verage	
	245,605	1	00.00% Pe	ervious Are	а
Тс	Length	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
29.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 13.15 cfs @ 12.37 hrs, Volume= 1.560 af, Depth= 2.41"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

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Тс	l enath	Slope	Velocity	Canacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	Decemption
17.1	150		0.15	(010)	Shoot Flow Shoot Flow A-R
17.1	150	0.0000	0.15		Woode: Light underbruch n= 0.400 D2= 3.20"
95	950	0 1 1 0 0	1 66		Shallow Concentrated Flow Shallow Flow P C
0.5	000	0.1100	1.00		Woodland Ky 5.0 foc
	4 000	Tatal			
25.6	1,000	lotal			
		-		• •	
		Su	mmary f	or Subca	tchment 5S: Subcatchment - 5
Runoff	=	10.85 cf	s@ 12.3	6 hrs, Volu	Ime= 1.276 af, Depth= 2.41"
Runoff b	y SCS TH	R-20 met	hod, UH=S	SCS, Time	Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III :	24-hr 25	year Rai	nfall=5.50'	I Contraction of the second seco	
A	rea (sf)	CN D	Description		
1	29,095	70 V	Voods, Go	od, HSG C	
147,119 70 Woods, Good, HSG C				od, HSG C	
276 214 70 Weighted Average				verage	
276 214 100 00% Pervious Are:			00 00% P	ervious Are	
2	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•	00.00701		
Тс	l enath	Slope	Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17 1	150		0.15	(0.0)	Shoot Flow Shoot Flow A-R
1/.1	130	0.0000	0.15		

		1 / 1	
17.1	150 0.0800	0.15	Sheet Flow, Sheet Flow A-B
			Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800 0.1100	1.66	Shallow Concentrated Flow, Shallow Flow B-C
			Woodland Kv= 5.0 fps

25.1 950 Total

Summary for Subcatchment 6S: Subcatchment - 6

9.77 cfs @ 12.64 hrs, Volume= Runoff 1.517 af, Depth= 2.68" =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

New Milford Pre-Development

Type III 24-hr 25 year Rainfall=5.50" 7

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Type III 24-hr 25 year Rainfall=5.50" Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 51

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

22.46 cfs @ 12.36 hrs, Volume= Runoff 2.637 af, Depth= 2.86" =

A	rea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
182,402 70 Woods, Good, HSG C					
	99,000	74	Pasture/gra	ssland/rang	ge, Good, HSG C
	25,000	96	Gravel surfa	ace, HSG C	
	23,000	77	Woods, Go	od, HSG D	
*	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pei	rvious Area	
	76,000		15.77% Imp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_		<u>.</u>		a 1	- · · ·
IC	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
4.0	400	0 4 4 0 0	4 00		Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C
0.4	70	0 0000	0.00		Woodland KV= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
0.0	120	0.2100	2 20		Paved Kv= 20.3 lps Shallow Concentrated Flow, Shallow Flow D F
0.9	120	0.2100	2.29		Woodland Ky= 5.0 fpc
0.1	80	0 2500	10.15		Shallow Concentrated Flow, Shallow Flow F-F
0.1	00	0.2300	10.15		Payed Ky-20.3 fps
19	190	0 1100	1 66		Shallow Concentrated Flow Shallow Flow F-G
1.0	100	0.1100	1.00		Woodland $K_{V} = 5.0 \text{ fps}$
4.0	380	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow G-H
	200				Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 31.67 cfs @ 12.28 hrs, Volume= 3.370 af, Depth= 3.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 25 year Rainfall=5.50"

	Ai	rea (sf)	CN E	Description						
*		8,320	98 L	Inconnecte	ed Outcrop,	HSG D				
	3	21,473	70 V	0 Woods, Good, HSG C						
	2	48,378	86 F	Pasture/gra	ssland/rang	ge, Poor, HSG C				
	5	78,171	77 V	Veighted A	verage					
	5	69.851	g	8.56% Pe	vious Area					
		8,320	1	.44% Impe	ervious Are	a				
		8,320	1	00.00% Ü	nconnected	1				
	Тс	Length	Slope	Velocity	Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·				
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B				
						Range n= 0.130 P2= 3.20"				
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C				
						Short Grass Pasture Kv= 7.0 fps				
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D				
						Woodland Kv= 5.0 fps				
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E				
						Short Grass Pasture Kv= 7.0 fps				
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F				
_						Woodland Kv= 5.0 fps				
	20.4	1,075	Total							

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 22.57 cfs @ 12.28 hrs, Volume= 2.386 af, Depth= 3.05"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Type III 24-hr 25 year Rainfall=5.50" Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 53

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		Sheet Flow, Sheet Flow A-B
					Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

9.54 cfs @ 12.27 hrs, Volume= Runoff 0.991 af, Depth= 2.59" =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 25 year Rainfall=5.50"

	A	rea (sf)	CN E	Description		
	47,717 70 Woods, Good, HSG C					
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 0	Gravel Roa	d surface, I	HSG C
200,033 72 Weighted Average						
	200,033 100.00% Pervious Area			00.00% Pe	ervious Are	a
	Тс	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.034 ac, 1	2.76% Impervious,	Inflow Depth = 2.7	77" for 25 year event
Inflow	=	32.09 cfs @	12.17 hrs, Volume	= 2.777 af	
Outflow	=	32.09 cfs @	12.17 hrs, Volume	= 2.777 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	4.592 ac,	0.00% Impervious,	Inflow Depth = 2.8	59" for 25 year event
Inflow	=	9.54 cfs @	12.27 hrs, Volume	= 0.991 af	
Outflow	=	9.54 cfs @	12.27 hrs, Volume	= 0.991 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.876 ac,	7.54% Impervious, Infle	Depth = 2.77"	for 25 year event
Inflow	=	41.76 cfs @	12.09 hrs, Volume=	2.971 af	
Outflow	=	41.76 cfs @	12.09 hrs, Volume=	2.971 af, Atte	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	5.638 ac,	0.00% Impervious,	Inflow Depth = 2.4	41" for 25 year event
Inflow	=	7.79 cfs @	12.55 hrs, Volume	= 1.134 af	
Outflow	=	7.79 cfs @	12.55 hrs, Volume	≔ 1.134 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Ar	ea =	7.754 ac,	0.00% Impervious,	Inflow Depth = 2.4	11" for 25 year event
Inflow	=	13.15 cfs @	12.37 hrs, Volume	= 1.560 af	-
Outflow	=	13.15 cfs @	12.37 hrs, Volume	= 1.560 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.341 ac,	0.00% Impervious,	Inflow Depth = 2.4	41" for 25 year event
Inflow	=	10.85 cfs @	12.36 hrs, Volume	= 1.276 af	
Outflow	=	10.85 cfs @	12.36 hrs, Volume	e= 1.276 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.795 ac,	1.89% Impervious,	Inflow Depth = 2.0	68" for 25 year event
Inflow	=	9.77 cfs @	12.64 hrs, Volume	⊨ 1.517 af	
Outflow	=	9.77 cfs @	12.64 hrs, Volume	≔ 1.517 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	15.77% Impe	ervious,	Inflow	Depth =	2.8	36" for 25	year ev	ent
Inflow	=	22.46 cfs @	12.36 hrs,	Volume	=	2.637	af			
Outflow	=	22.46 cfs @	12.36 hrs,	Volume	=	2.637	af,	Atten= 0%,	Lag= 0	.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	13.273 ac,	1.44% Impervious, Inflow	/ Depth = 3.05"	for 25 year event
Inflow	=	31.67 cfs @	12.28 hrs, Volume=	3.370 af	
Outflow	=	31.67 cfs @	12.28 hrs, Volume=	3.370 af, Atte	en= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	Area =	9.398 ac,	13.45% Impervio	ous, Inflow Depth =	3.05" for 25 yea	ar event
Inflow	=	22.57 cfs @	2 12.28 hrs, Vol	ume= 2.386	af	
Outflow	v =	22.57 cfs @	2 12.28 hrs, Vol	ume= 2.386	af, Atten= 0%, La	g= 0.0 min

New Milford Pre-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hy	Type III 24-h	r 100 year Rainfall=7.00" Printed 6/27/2017 Page 56
Time span- Runo Reach routing by Dyn-St	=1.00-30.00 hrs, dt=0.01 hrs, 2901 points ff by SCS TR-20 method, UH=SCS cor-Ind method - Pond routing by Dyn-Sto	or-Ind method
Subcatchment1S: Subcatchment-1 Flow Lengt	Runoff Area=524,221 sf 12.76% Impe h=1,200' Tc=11.9 min UI Adjusted CN=74	ervious Runoff Depth=4.04" Runoff=46.98 cfs 4.054 af
Subcatchment2S: Subcatchment- 2 Flow Le	Runoff Area=560,880 sf 7.54% Impe ngth=910' Tc=6.0 min UI Adjusted CN=74	ervious Runoff Depth=4.04" Runoff=61.03 cfs 4.337 af
Subcatchment3S: Subcatchment- 3	Runoff Area=245,605 sf 0.00% Impe Flow Length=950' Tc=39.6 min CN=70	ervious Runoff Depth=3.62" Runoff=11.83 cfs 1.700 af
Subcatchment4S: Subcatchment- 4	Runoff Area=337,786 sf 0.00% Impe Flow Length=1,000' Tc=25.6 min CN=70	ervious Runoff Depth=3.62" Runoff=19.92 cfs 2.338 af
Subcatchment5S: Subcatchment- 5	Runoff Area=276,214 sf 0.00% Impe Flow Length=950' Tc=25.1 min CN=70	ervious Runoff Depth=3.62" Runoff=16.45 cfs 1.912 af
Subcatchment6S: Subcatchment- 6	Runoff Area=295,973 sf 1.89% Impe Flow Length=1,050' Tc=45.7 min CN=73	ervious Runoff Depth=3.94" Runoff=14.43 cfs 2.228 af
Subcatchment7S: Subcatchment- 7 Flow Lengt	Runoff Area=481,846 sf 15.77% Impe h=1,150' Tc=25.7 min UI Adjusted CN=75	ervious Runoff Depth=4.15" Runoff=32.62 cfs 3.825 af
Subcatchment8S: Subcatchment- 8	Runoff Area=578,171 sf 1.44% Impe Flow Length=1,075' Tc=20.4 min CN=77	ervious Runoff Depth=4.37" Runoff=45.34 cfs 4.829 af
Subcatchment9S: Subcatchment- 9 Flow Lengt	Runoff Area=409,386 sf 13.45% Impe h=1,275' Tc=20.2 min UI Adjusted CN=77	ervious Runoff Depth=4.37" Runoff=32.29 cfs 3.419 af
Subcatchment10S: Subcatchment-	10 Runoff Area=200,033 sf 0.00% Impe Flow Length=700' Tc=18.9 min CN=72	ervious Runoff Depth=3.83" Runoff=14.21 cfs 1.465 af
Reach POA-1: Existing Woods to the	Northeast & Tributary to Existing	Inflow=46.98 cfs 4.054 af Outflow=46.98 cfs 4.054 af
Reach POA-10: Existing Woods to th	e Northwest	Inflow=14.21 cfs 1.465 af Outflow=14.21 cfs 1.465 af
Reach POA-2: Existing Woods to the	Northwest	Inflow=61.03 cfs 4.337 af Outflow=61.03 cfs 4.337 af
Reach POA-3: Existing Woods to the	Northwest	Inflow=11.83 cfs 1.700 af Outflow=11.83 cfs 1.700 af
Reach POA-4: Existing Woods to the	Northwest	Inflow=19.92 cfs 2.338 af Outflow=19.92 cfs 2.338 af
Reach POA-5: Existing Woods to the	Northwest	Inflow=16.45 cfs 1.912 af Outflow=16.45 cfs 1.912 af

New Milford Pre-Development	Type III 24	4-hr 100 year Rainfall=7.00"
Prepared by AMECFW		Printed 6/27/2017
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People BOA & Evisting Woods to the North	haad	Inflow-14 42 of 2 228 of
Reach POA-6. Existing woods to the Nort	lieast	Outflow=14.43 cfs 2.228 af
Reach POA-7: Existing Woods & Candlew	ood Roadside Swales to the	Inflow=32.62 cfs 3.825 af
5		Outflow=32.62 cfs 3.825 af
Reach POA-8: Existing Woods to the Nort	heast	Inflow=45.34 cfs 4.829 af
		Outflow=45.34 cfs 4.829 af
Popph BOA 0. Existing Woods to the Nort	hoast	Inflow-32.20 cfc 3.410 of
Reach POA-9. Existing woods to the Nort	neast	Outflow=32.29 cfs 3.419 af
Total Runoff Area = 89.764 a	ac Runoff Volume = 30.108 af	Average Runoff Depth = 4.02"
	33.30701 CI VICUS = 03.323 dC	0.00 /0 mpci vious = 0.000 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 46.98 cfs @ 12.16 hrs, Volume= 4.054 af, Depth= 4.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description		
*	31,320	98	Unconnecte	ed Outcrop	, HSG D
	119,196	77	Woods, Go	od, HSG D	
	86,728	70	Woods, Go	od, HSG C	
	231,002	70	Woods, Go	od, HSG C	
	20,386	77	Woods, Go	od, HSG D	
*	35,589	98	Unconnecte	ed Outcrop	, HSG D
	524,221	75	Weighted A	verage, UI	Adjusted CN = 74
	457,312		87.24% Pe	rvious Area	
	66,909		12.76% Imp	pervious Ar	ea
	66,909		100.00% U	nconnected	t the second sec
Т	c Length	Slope	e Velocity	Capacity	Description
(mir	n) (feet)	(ft/ft)	(ft/sec)	(cfs)	
0.	5 100	0.1500	3.08		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.	3 200	0.2500) 10.15		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
11.	1 900	0.0730) 1.35		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
11.	9 1.200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff	=	61.03 cfs @	12.09 hrs,	Volume=	4.337 af, Depth= 4.04"
--------	---	-------------	------------	---------	------------------------

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

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Type III 24-hr 100 year Rainfall=7.00" Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 59

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		Sheet Flow, Sheet Flow A-B
					Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		Shallow Concentrated Flow, Shallow Flow B-C
					Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps
5.9	910	Total, I	ncreased t	o minimum	Tc = 6.0 min

Summary for Subcatchment 3S: Subcatchment - 3

11.83 cfs @ 12.54 hrs, Volume= 1.700 af, Depth= 3.62" Runoff =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 100 year Rainfall=7.00"

_	A	rea (sf)	CN D	Description		
	1	96,656	70 V	Voods, Go	od, HSG C	
_		48,949	70 V	Voods, Go	od, HSG C	
	2	45,605	70 V	Veighted A	verage	
	2	45,605	1	00.00% Pe	ervious Are	a
	Тс	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	29.7	150	0.0200	0.08		Sheet Flow, Sheet Flow A-B
						Woods: Light underbrush n= 0.400 P2= 3.20"
	3.3	150	0.0230	0.76		Shallow Concentrated Flow, Shallow Flow B-C
						Woodland Kv= 5.0 fps
	3.4	350	0.1200	1.73		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	3.2	300	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow D-E
_						Woodland Kv= 5.0 fps
	39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 19.92 cfs @ 12.37 hrs, Volume= 2.338 af, Depth= 3.62"

Area	(sf)	CN	Description
8,	570	70	Woods, Good, HSG C
329,	216	70	Woods, Good, HSG C
337,	786	70	Weighted Average
337,	786		100.00% Pervious Area

New Milford Pre-Development Type III 24-hr 100 year Rainfall=7.00" Prepared by AMECFW Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 60 Capacity Tc Length Slope Velocity Description (feet) (ft/ft) (ft/sec) (cfs) (min) 0.0800 Sheet Flow, Sheet Flow A-B 17.1 150 0.15 Woods: Light underbrush n= 0.400 P2= 3.20" Shallow Concentrated Flow, Shallow Flow B-C 8.5 850 0.1100 1.66 Woodland Kv= 5.0 fps 25.6 1,000 Total Summary for Subcatchment 5S: Subcatchment - 5 Runoff 16.45 cfs @ 12.35 hrs, Volume= 1.912 af, Depth= 3.62" = Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 100 year Rainfall=7.00" Area (sf) CN Description 70 129,095 Woods, Good, HSG C 147,119 Woods, Good, HSG C 70 276,214 70 Weighted Average 276,214 100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
8.0	800	0.1100	1.66		Woods: Light underbrush n= 0.400 P2= 3.20" Shallow Concentrated Flow, Shallow Flow B-C Woodland Kv= 5.0 fps
05.4	050	Tatal			

25.1 950 Total

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 14.43 cfs @ 12.64 hrs, Volume= 2.228 af, Depth= 3.94"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

New Milford Pre-Development Prepared by AMECFW

Type III 24-hr 100 year Rainfall=7.00" Printed 6/27/2017 HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions LLC Page 61

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		Shallow Concentrated Flow, Shallow Flow C-D
					Woodland Kv= 5.0 fps

45.7 1,050 Total

Summary for Subcatchment 7S: Subcatchment - 7

32.62 cfs @ 12.36 hrs, Volume= Runoff 3.825 af, Depth= 4.15" =

A	rea (sf)	CN	Description		
	76,444	70	Woods, Go	od, HSG C	
182,402 70 Woods, Good, HSG C					
	99,000	74	Pasture/gra	ssland/ran	ge, Good, HSG C
	25,000	96	Gravel surf	ace, HSG (
	23,000	77	Woods, Go	od, HSG D	
*	76,000	98	Unconnecte	ed Outcrop,	HSG C
4	81,846	77	Weighted A	verage, UI	Adjusted CN = 75
4	05,846		84.23% Pe	rvious Area	
	76,000		15.77% lmp	pervious Ar	ea
	76,000		100.00% U	nconnected	1
_					
Tc	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		Shallow Concentrated Flow, Shallow Flow C-D
	400	0.0400			Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		Shallow Concentrated Flow, Shallow Flow D-E
0.4	00	0.0500	10.45		Woodland KV= 5.0 fps
0.1	80	0.2500	10.15		Shallow Concentrated Flow, Shallow Flow E-F
1.0	100	0 1100	1 66		Paved Kv= 20.3 lps Shallow Concentrated Flow, Shallow Flow F.C.
1.9	190	0.1100	1.00		Woodland Ky= 5.0 fpc
10	380	0.0500	1 57		Shallow Concentrated Flow, Shallow Flow G-H
4.0	500	0.0000	, 1.57		Short Grass Pasture Ky-70 frs
 	1 1 5 0	Total			
20.7	1,150	rotal			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 45.34 cfs @ 12.27 hrs, Volume= 4.829 af, Depth= 4.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 100 year Rainfall=7.00"

	Ai	rea (sf)	CN E	Description						
*		8,320	98 L	Inconnecte	ed Outcrop,	HSG D				
	3	21,473	70 V	Woods, Good, HSG C						
	2	48,378	86 F	Pasture/gra	ssland/rang	ge, Poor, HSG C				
	5	78,171	77 V	Veighted A	verage					
	5	69.851	g	8.56% Pe	vious Area					
		8,320	1	.44% Impe	ervious Are	a				
		8,320	1	00.00% Ü	nconnected	1				
	Тс	Length	Slope	Velocity	Capacity	Description				
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	·				
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B				
						Range n= 0.130 P2= 3.20"				
	1.7	150	0.0460	1.50		Shallow Concentrated Flow, Shallow Flow B-C				
						Short Grass Pasture Kv= 7.0 fps				
	1.0	75	0.0570	1.19		Shallow Concentrated Flow, Shallow Flow C-D				
						Woodland Kv= 5.0 fps				
	3.4	450	0.1000	2.21		Shallow Concentrated Flow, Shallow Flow D-E				
						Short Grass Pasture Kv= 7.0 fps				
	2.2	250	0.1440	1.90		Shallow Concentrated Flow, Shallow Flow E-F				
_						Woodland Kv= 5.0 fps				
	20.4	1,075	Total							

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 32.29 cfs @ 12.28 hrs, Volume= 3.419 af, Depth= 4.37"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		Sheet Flow, Sheet Flow A-B
					Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		Shallow Concentrated Flow, Shallow Flow C-D
					Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		Shallow Concentrated Flow, Shallow Flow D-E
					Woodland Kv= 5.0 fps

20.2 1,275 Total

Summary for Subcatchment 10S: Subcatchment - 10

14.21 cfs @ 12.26 hrs, Volume= Runoff 1.465 af, Depth= 3.83" =

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs Type III 24-hr 100 year Rainfall=7.00"

_	A	rea (sf)	CN E	Description		
	47,717 70 Woods, Good, HSG C				od, HSG C	
		81,029	70 V	Voods, Go	od, HSG C	
		49,287	70 V	Voods, Go	od, HSG C	
		20,000	86 F	Pasture/gra	ssland/ran	ge, Poor, HSG C
*		2,000	96 0	Gravel Roa	d surface, I	HSG C
	200,033 72 Weighted Average			Veighted A	verage	
	2	00,033	1	100.00% Pervious Area		
	Tc	Length	Slope	Velocity	Capacity	Description
_	(min)	(feet)	(ft/ft)	(ft/sec)	(cts)	
	12.1	150	0.0200	0.21		Sheet Flow, Sheet Flow A-B
						Range n= 0.130 P2= 3.20"
	1.1	100	0.0500	1.57		Shallow Concentrated Flow, Shallow Flow B-C
						Short Grass Pasture Kv= 7.0 fps
	5.7	450	0.0700	1.32		Shallow Concentrated Flow, Shallow Flow C-D
						Woodland Kv= 5.0 fps
	18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.034 ac, 1	2.76% Impervious,	Inflow Depth = 4.0	04" for 100 year event
Inflow	=	46.98 cfs @	12.16 hrs, Volume	= 4.054 af	
Outflow	=	46.98 cfs @	12.16 hrs, Volume	= 4.054 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	4.592 ac,	0.00% Impervious,	Inflow Depth = 3.8	33" for 100 year event
Inflow	=	14.21 cfs @	12.26 hrs, Volume=	= 1.465 af	
Outflow	=	14.21 cfs @	12.26 hrs, Volume=	= 1.465 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	12.876 ac,	7.54% Impervious, I	Inflow Depth = 4.0	04" for 100 year event
Inflow	=	61.03 cfs @	12.09 hrs, Volume=	= 4.337 af	
Outflow	=	61.03 cfs @	12.09 hrs, Volume=	= 4.337 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Are	ea =	5.638 ac,	0.00% Impervious,	Inflow Depth = 3.6	62" for 100 year event
Inflow	=	11.83 cfs @	12.54 hrs, Volume	= 1.700 af	-
Outflow	=	11.83 cfs @	12.54 hrs, Volume	= 1.700 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	7.754 ac,	0.00% Impervious,	Inflow Depth = 3.6	62" for 100 year event
Inflow	=	19.92 cfs @	12.37 hrs, Volume	= 2.338 af	-
Outflow	=	19.92 cfs @	12.37 hrs, Volume	= 2.338 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.341 ac,	0.00% Impervious,	Inflow Depth = 3.6	62" for 100 year event
Inflow	=	16.45 cfs @	12.35 hrs, Volume	= 1.912 af	
Outflow	=	16.45 cfs @	12.35 hrs, Volume	= 1.912 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	6.795 ac,	1.89% Impervious,	Inflow Depth = 3.9	94" for 100 year event
Inflow	=	14.43 cfs @	12.64 hrs, Volume	= 2.228 af	
Outflow	=	14.43 cfs @	12.64 hrs, Volume	= 2.228 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area	a =	11.062 ac, 1	15.77% Impe	ervious,	Inflow	Depth =	4.1	5" for 100) year e	vent
Inflow	=	32.62 cfs @	12.36 hrs,	Volume	=	3.825 a	af			
Outflow	=	32.62 cfs @	12.36 hrs,	Volume	=	3.825 a	af,	Atten= 0%,	Lag= 0	.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	rea =	13.273 ac,	1.44% Impervious,	Inflow Depth = 4.3	37" for 100 year event
Inflow	=	45.34 cfs @	12.27 hrs, Volume	= 4.829 af	-
Outflow	=	45.34 cfs @	12.27 hrs, Volume	= 4.829 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

[40] Hint: Not Described (Outflow=Inflow)

Inflow A	Area =	9.398 ac,	13.45% Imperv	vious, Inflow	Depth = 4.37	for 100 year e	vent
Inflow	=	32.29 cfs @	2 12.28 hrs, Vo	olume=	3.419 af		
Outflow	v =	32.29 cfs @	2 12.28 hrs, Vo	olume=	3.419 af, A	tten= 0%, Lag= 0	.0 min



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Area Listing (all nodes)

Ar	ea CN	Description
(acre	es)	(subcatchment-numbers)
2.3	37 70	Woods, Good, HSG C (7AS, 7BS, 7CS, 7DS)
70.2	.06 71	Meadow, non-grazed, HSG C (1AS, 1BS, 1CS, 2BS, 2CS, 3AS, 3BS, 4AS, 4BS,
		5AS, 5BS, 6AS, 6BS, 7AS, 7BS, 7CS, 7DS, 8AS, 8BS, 8CS, 9AS, 9BS, 10S)
10.5	55 78	Meadow, non-grazed, HSG D (1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6AS, 6BS, 8AS,
		8BS, 8CS, 9AS, 9BS)
1.7	22 80	Pasture/grassland/range, Good, HSG D (7AS, 7DS)
4.9	98 98	Unconnected Outcrop, HSG D (1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6BS, 7AS, 7BS,
		7CS, 8BS, 8CS, 9AS, 9BS)
89.7	764 73	TOTAL AREA

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Soil Listing (all nodes)

Area	Soil	Subcatchment
(acres)	Group	Numbers
0.000	HSG A	
0.000	HSG B	
72.544	HSG C	1AS, 1BS, 1CS, 2BS, 2CS, 3AS, 3BS, 4AS, 4BS, 5AS, 5BS, 6AS, 6BS, 7AS,
		7BS, 7CS, 7DS, 8AS, 8BS, 8CS, 9AS, 9BS, 10S
17.221	HSG D	1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6AS, 6BS, 7AS, 7BS, 7CS, 7DS, 8AS, 8BS,
		8CS, 9AS, 9BS
0.000	Other	
89.764		TOTAL AREA

New Milford Post-Development	
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Ground Covers (all nodes)							
HSG-A	HSG-B	HSG-C	HSG-D	Other	Total	Ground	Subcatchment

 (acres)	(acres)	(acres)	(acres)	(acres)	(acres)	Cover	Numbers
0.000	0.000	0.000	4.943	0.000	4.943	Unconnected Outcrop	1A
							S,
							1B
							S,
							1C
							S,
							2A
							S,
							2B
							S, 20
							20
							3, 6B
							0D S
							Ο, 7Δ
							S
							7B
							S,
							7C
							S,
							8B
							S,
							8C
							S,
							9A
							S,
							9B
							S
0.000	0.000	0.000	1.722	0.000	1.722	Pasture/grassland/range, Good	1 7A
							S,
							7D
0.000	0.000	70.006	10 555	0.000	00 700	Maadaw pap grazad	5
0.000	0.000	70.206	10.555	0.000	80.762	Meadow, non-grazed	1A S
							3, 1P
							۱D و
							3, 1C
							S
							2A
							<u>S.</u>
							2B
							 S,
							2C
							S,
							3A
							S

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Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	2.337	0.000	0.000	2.337	Woods, Good	7A S, 7B S, 7C S, 7D
0.000	0.000	72.544	17.221	0.000	89.764	TOTAL AREA	5

New Milford Post-Development	Type III 24-hr 1 year Rainfall=2.60"
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	······································
Time span=1.0 Runoff by	0-30.00 hrs, dt=0.01 hrs, 2901 points SCS TR-20 method_UH=SCS
Reach routing by Dyn-Stor-Ir	nd method - Pond routing by Dyn-Stor-Ind method
Subcatchment1AS: Subcatchment-1A	Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=1.33" Tc=0.0 min CN=86 Runoff=5.98 cfs 0.347 af
Subcatchment1BS: Subcatchment-1B	Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=0.67" Tc=0.0 min UI Adjusted CN=74 Runoff=3.98 cfs 0.260 af
Subcatchment1CS: Subcatchment-1C	Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=0.58" Tc=0.0 min CN=72 Runoff=3.06 cfs 0.211 af
Subcatchment2AS: Subcatchment- 2A	Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=0.96" Tc=0.0 min UI Adjusted CN=80 Runoff=2.75 cfs 0.165 af
Subcatchment2BS: Subcatchment- 2B	Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=0.71" Tc=0.0 min UI Adjusted CN=75 Runoff=4.43 cfs 0.284 af
Subcatchment2CS: Subcatchment- 2C	Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=0.62" Tc=0.0 min UI Adjusted CN=73 Runoff=3.73 cfs 0.250 af
Subcatchment3AS: Subcatchment- 3A	Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=2.69 cfs 0.193 af
Subcatchment3BS: Subcatchment- 3B	Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=1.60 cfs 0.115 af
Subcatchment4AS: Subcatchment- 4	Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=2.40 cfs 0.172 af
Subcatchment4BS: Subcatchment- 4B	Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=2.76 cfs 0.198 af
Subcatchment5AS: Subcatchment- 5A	Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=1.64 cfs 0.118 af
Subcatchment5BS: Subcatchment- 5B	Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=1.62 cfs 0.117 af
Subcatchment6AS: Subcatchment- 6A	Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=1.39 cfs 0.100 af
Subcatchment6BS: Subcatchment- 6B	Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=0.54" Tc=0.0 min UI Adjusted CN=71 Runoff=2.86 cfs 0.206 af
Subcatchment7AS: Subcatchment-7A	Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=0.76" Tc=0.0 min UI Adjusted CN=76 Runoff=4.09 cfs 0.257 af
Subcatchment7BS: Subcatchment-7B	Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=0.62" Tc=0.0 min UI Adjusted CN=73 Runoff=2.87 cfs 0.192 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	<i>Type III 24-hr 1 year Rainfall=2.60"</i> Printed 6/27/2017 CAD Software Solutions LLC Page 7
Subcatchment7CS: Subcatchment-7C	Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=0.54" Tc=0.0 min UI Adjusted CN=71 Runoff=1.47 cfs 0.106 af
Subcatchment7DS: Subcatchment- 7D	Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=0.76" Flow Length=950' Tc=25.1 min CN=76 Runoff=0.77 cfs 0.097 af
Subcatchment8AS: Subcatchment-8A	Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=0.58" Tc=0.0 min CN=72 Runoff=3.49 cfs 0.241 af
Subcatchment8BS: Subcatchment-8B	Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=0.58" Tc=0.0 min CN=72 Runoff=3.10 cfs 0.214 af
Subcatchment8CS: Subcatchment-8C	Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=0.62" Tc=0.0 min UI Adjusted CN=73 Runoff=3.01 cfs 0.202 af
Subcatchment9AS: Subcatchment- 9A	Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=0.58" Tc=0.0 min UI Adjusted CN=72 Runoff=3.04 cfs 0.210 af
Subcatchment9BS: Subcatchment- 9B	Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=2.91 cfs 0.209 af
Subcatchment10S: Subcatchment- 10	Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=0.54" Tc=0.0 min CN=71 Runoff=3.15 cfs 0.226 af
Reach POA-1: Existing Woods to the No	rtheast & Tributary to Existing Inflow=13.00 cfs 0.818 af Outflow=13.00 cfs 0.818 af
Reach POA-10: Existing Woods to the No	orthwest Inflow=3.15 cfs 0.226 af Outflow=3.15 cfs 0.226 af
Reach POA-2: Existing Woods to the No	rthwest Inflow=10.91 cfs 0.699 af Outflow=10.91 cfs 0.699 af
Reach POA-3: Existing Woods to the No	rthwest Inflow=4.29 cfs 0.308 af Outflow=4.29 cfs 0.308 af
Reach POA-4: Existing Woods to the No	rthwest Inflow=5.16 cfs 0.371 af Outflow=5.16 cfs 0.371 af
Reach POA-5: Existing Woods to the No	rthwest Inflow=3.27 cfs 0.235 af Outflow=3.27 cfs 0.235 af
Reach POA-6: Existing Woods to the No	rtheast Inflow=4.25 cfs 0.305 af Outflow=4.25 cfs 0.305 af
Reach POA-7: Existing Woods & Candle	wood Roadside Swales to the Inflow=8.59 cfs 0.652 af Outflow=8.59 cfs 0.652 af
Reach POA-8: Existing Woods to the No	rtheast Inflow=9.61 cfs 0.656 af Outflow=9.61 cfs 0.656 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION
| New Milford Post-Development | Type III 24-hr 1 year Rainfall=2.60' |
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| | - |

Reach POA-9: Existing Woods to the Northeast

Inflow=5.92 cfs 0.418 af Outflow=5.92 cfs 0.418 af

Total Runoff Area = 89.764 acRunoff Volume = 4.689 afAverage Runoff Depth = 0.63"94.49% Pervious = 84.821 ac5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 5.98 cfs @ 12.00 hrs, Volume= 0.347 af, Depth= 1.33"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 3.98 cfs @ 12.00 hrs, Volume= 0.260 af, Depth= 0.67"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 3.06 cfs @ 12.00 hrs, Volume= 0.211 af, Depth= 0.58"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 2.75 cfs @ 12.00 hrs, Volume= 0.165 af, Depth= 0.96"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 4.43 cfs @ 12.00 hrs, Volume= 0.284 af, Depth= 0.71"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 3.73 cfs @ 12.00 hrs, Volume= 0.250 af, Depth= 0.62"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 2.69 cfs @ 12.01 hrs, Volume= 0.193 af, Depth= 0.54"

 Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 1.60 cfs @ 12.01 hrs, Volume= 0.115 af, Depth= 0.54"

 Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 2.40 cfs @ 12.01 hrs, Volume= 0.172 af, Depth= 0.54"

 Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 2.76 cfs @ 12.01 hrs, Volume= 0.198 af, Depth= 0.54"

 Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 1.64 cfs @ 12.01 hrs, Volume= 0.118 af, Depth= 0.54"

 Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 1.62 cfs @ 12.01 hrs, Volume= 0.117 af, Depth= 0.54"

 Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 1.39 cfs @ 12.01 hrs, Volume= 0.100 af, Depth= 0.54"

 Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
 92,882	71	Meadow, non-grazed, HSG C
 96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 2.86 cfs @ 12.01 hrs, Volume= 0.206 af, Depth= 0.54"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 4.09 cfs @ 12.00 hrs, Volume= 0.257 af, Depth= 0.76"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 2.87 cfs @ 12.00 hrs, Volume= 0.192 af, Depth= 0.62"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 1.47 cfs @ 12.01 hrs, Volume= 0.106 af, Depth= 0.54"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102 117	70	Weighted Average III Adjusted CN - 71
	102,117	12	V = V = I = V = I = V
	99,227	12	97.17% Pervious Area
	99,227 2,890	12	97.17% Pervious Area 2.83% Impervious Area

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 0.77 cfs @ 12.39 hrs, Volume= 0.097 af, Depth= 0.76"

A	rea (sf)	CN	Description			
1,925 71			Meadow, non-grazed, HSG C			
	27,780	70	Woods, Go	od, HSG C		
	37,441	80	Pasture/gra	ssland/ran	ge, Good, HSG D	
	67,146	76	Weighted A	verage		
	67,146		100.00% P	ervious Are	a	
Tc	Length	Slope	e Velocity	Capacity	Description	
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B	
					Woods: Light underbrush n= 0.400 P2= 3.20"	
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C	
					Woodland Kv= 5.0 fps	
25.1	950	Total				

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 3.49 cfs @ 12.00 hrs, Volume= 0.241 af, Depth= 0.58"

 Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
 24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 3.10 cfs @ 12.00 hrs, Volume= 0.214 af, Depth= 0.58"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 3.01 cfs @ 12.00 hrs, Volume= 0.202 af, Depth= 0.62"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 3.04 cfs @ 12.00 hrs, Volume= 0.210 af, Depth= 0.58"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 2.91 cfs @ 12.01 hrs, Volume= 0.209 af, Depth= 0.54"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 3.15 cfs @ 12.01 hrs, Volume= 0.226 af, Depth= 0.54"

 Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow .	Area =	12.189 ac,	14.02% Impervious,	Inflow Depth = 0.8	31" for 1 year event
Inflow	=	13.00 cfs @	12.00 hrs, Volume	= 0.818 af	
Outflov	N =	13.00 cfs @	12.00 hrs, Volume	= 0.818 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area	a =	5.005 ac,	0.00% Impervious,	Inflow Depth = 0.9	54" for 1 year event
Inflow	=	3.15 cfs @	12.01 hrs, Volum	e= 0.226 af	
Outflow	=	3.15 cfs @	12.01 hrs, Volum	e= 0.226 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Are	ea =	11.681 ac,	7.53% Impervious,	Inflow Depth = 0.7	72" for 1 year event
Inflow	=	10.91 cfs @	12.00 hrs, Volume	= 0.699 af	
Outflow	=	10.91 cfs @	12.00 hrs, Volume	= 0.699 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area	a =	6.826 ac,	0.00% Impervious	, Inflow Depth = 0.	54" for 1 year event
Inflow	=	4.29 cfs @	12.01 hrs, Volum	e= 0.308 af	
Outflow	=	4.29 cfs @	12.01 hrs, Volum	e= 0.308 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area	a =	8.208 ac,	0.00% Impervious,	Inflow Depth = 0.5	54" for 1 year event
Inflow	=	5.16 cfs @	12.01 hrs, Volume	≔ 0.371 af	
Outflow	=	5.16 cfs @	12.01 hrs, Volume	e= 0.371 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Are	a =	5.197 ac,	0.00% Impervious,	Inflow Depth = 0.5	54" for 1 year event
Inflow	=	3.27 cfs @	12.01 hrs, Volume	e= 0.235 af	
Outflow	=	3.27 cfs @	12.01 hrs, Volume	e= 0.235 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Are	a =	6.761 ac,	1.90% Imperviou	s, Inflow Depth =	0.54" for 1 y	vear event
Inflow	=	4.25 cfs @	12.01 hrs, Volur	ne= 0.305	af	
Outflow	=	4.25 cfs @	12.01 hrs, Volur	ne= 0.305	af, Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow A	Area =	11.674 ac, 15.1	5% Impervious,	Inflow Depth = 0.6	67" for 1 year event
Inflow	=	8.59 cfs @ 12	.00 hrs, Volume	e= 0.652 af	
Outflow	/ =	8.59 cfs @ 12	.00 hrs, Volume	e= 0.652 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area	a =	13.273 ac,	1.78% Impervious,	Inflow Depth = 0.5	59" for 1 year event
Inflow	=	9.61 cfs @	12.00 hrs, Volume	e= 0.656 af	
Outflow	=	9.61 cfs @	12.00 hrs, Volume	e= 0.656 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area	a =	8.951 ac,	2.49% Impervious	, Inflow Depth = 0.	.56" for 1 year event
Inflow	=	5.92 cfs @	12.01 hrs, Volum	e= 0.418 af	
Outflow	=	5.92 cfs @	12.01 hrs, Volum	e= 0.418 af,	Atten= 0%, Lag= 0.0 min

New Milford Post-Development Prepared by AMECFW	"Type III 24-hr 2 year Rainfall=3.20 Printed 6/27/2017
HydroCAD® 10.00 s/n 00677 © 2011 HydroC	CAD Software Solutions LLC Page 43
Time span=1.0 Runoff by Reach routing by Dyn-Stor-Ir	0-30.00 hrs, dt=0.01 hrs, 2901 points 2 SCS TR-20 method, UH=SCS ad method - Pond routing by Dyn-Stor-Ind method
Subcatchment1AS: Subcatchment-1A	Tc=0.0 min CN=86 Runoff=8.28 cfs 0.481 af
Subcatchment1BS: Subcatchment-1B	Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=1.04" Tc=0.0 min UI Adjusted CN=74 Runoff=6.62 cfs 0.406 af
Subcatchment1CS: Subcatchment-1C	Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=0.93" Tc=0.0 min CN=72 Runoff=5.35 cfs 0.337 af
Subcatchment2AS: Subcatchment- 2A	Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=1.40" Tc=0.0 min UI Adjusted CN=80 Runoff=4.11 cfs 0.241 af
Subcatchment2BS: Subcatchment- 2B	Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=1.09" Tc=0.0 min UI Adjusted CN=75 Runoff=7.22 cfs 0.438 af
Subcatchment2CS: Subcatchment- 2C	Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=0.98" Tc=0.0 min UI Adjusted CN=73 Runoff=6.35 cfs 0.394 af
Subcatchment3AS: Subcatchment- 3A	Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=4.89 cfs 0.313 af
Subcatchment3BS: Subcatchment- 3B	Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=2.92 cfs 0.187 af
Subcatchment4AS: Subcatchment- 4	Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=4.36 cfs 0.279 af
Subcatchment4BS: Subcatchment- 4B	Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=5.02 cfs 0.321 af
Subcatchment5AS: Subcatchment- 5A	Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=2.99 cfs 0.191 af
Subcatchment5BS: Subcatchment- 5B	Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=2.96 cfs 0.189 af
Subcatchment6AS: Subcatchment- 6A	Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=0.88" Tc=0.0 min CN=71 Runoff=2.52 cfs 0.161 af
Subcatchment6BS: Subcatchment- 6B	Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=0.88" Tc=0.0 min UI Adjusted CN=71 Runoff=5.21 cfs 0.333 af
Subcatchment7AS: Subcatchment-7A	Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=1.15" Tc=0.0 min UI Adjusted CN=76 Runoff=6.52 cfs 0.392 af
Subcatchment7BS: Subcatchment-7B	Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=0.98" Tc=0.0 min UI Adjusted CN=73 Runoff=4.89 cfs 0.303 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION
| New Milford Post-Development
Prepared by AMECFW
HydroCAD® 10.00 s/n 00677 © 2011 Hydro | <i>Type II</i>
CAD Software Solutions LLC | <i>Il 24-hr 2 year Rainfall=3.20"</i>
Printed 6/27/2017
Page 44 |
|--|---|---|
| Subcatchment7CS: Subcatchment-7C | Runoff Area=102,117 sf 2.83%
Tc=0.0 min UI Adjusted C | Impervious Runoff Depth=0.88"
N=71 Runoff=2.68 cfs 0.172 af |
| Subcatchment7DS: Subcatchment- 7D | Runoff Area=67,146 sf 0.00%
Flow Length=950' Tc=25.1 min C | Impervious Runoff Depth=1.15"
N=76 Runoff=1.23 cfs 0.148 af |
| Subcatchment8AS: Subcatchment-8A | Runoff Area=216,440 sf 0.00%
Tc=0.0 min C | Impervious Runoff Depth=0.93"
N=72 Runoff=6.11 cfs 0.385 af |
| Subcatchment8BS: Subcatchment-8B | Runoff Area=192,247 sf 0.16%
Tc=0.0 min C | Impervious Runoff Depth=0.93"
N=72 Runoff=5.43 cfs 0.342 af |
| Subcatchment8CS: Subcatchment-8C | Runoff Area=169,496 sf 5.88%
Tc=0.0 min UI Adjusted C | Impervious Runoff Depth=0.98"
N=73 Runoff=5.13 cfs 0.319 af |
| Subcatchment9AS: Subcatchment- 9A | Runoff Area=188,366 sf 4.68%
Tc=0.0 min UI Adjusted C | Impervious Runoff Depth=0.93"
N=72 Runoff=5.32 cfs 0.335 af |
| Subcatchment9BS: Subcatchment- 9B | Runoff Area=201,560 sf 0.44%
Tc=0.0 min C | Impervious Runoff Depth=0.88"
N=71 Runoff=5.29 cfs 0.339 af |
| Subcatchment10S: Subcatchment- 10 | Runoff Area=218,036 sf 0.00%
Tc=0.0 min C | Impervious Runoff Depth=0.88"
N=71 Runoff=5.73 cfs 0.366 af |
| Reach POA-1: Existing Woods to the No | rtheast & Tributary to Existing | Inflow=20.25 cfs 1.224 af
Outflow=20.25 cfs 1.224 af |
| Reach POA-10: Existing Woods to the N | orthwest | Inflow=5.73 cfs 0.366 af
Outflow=5.73 cfs 0.366 af |
| Reach POA-2: Existing Woods to the No | rthwest | Inflow=17.67 cfs 1.073 af
Outflow=17.67 cfs 1.073 af |
| Reach POA-3: Existing Woods to the No | rthwest | Inflow=7.81 cfs 0.499 af
Outflow=7.81 cfs 0.499 af |
| Reach POA-4: Existing Woods to the No | rthwest | Inflow=9.39 cfs 0.601 af
Outflow=9.39 cfs 0.601 af |
| Reach POA-5: Existing Woods to the No | rthwest | Inflow=5.94 cfs 0.380 af
Outflow=5.94 cfs 0.380 af |
| Reach POA-6: Existing Woods to the No | rtheast | Inflow=7.73 cfs 0.495 af
Outflow=7.73 cfs 0.495 af |
| Reach POA-7: Existing Woods & Candle | wood Roadside Swales to the | Inflow=14.39 cfs 1.015 af
Outflow=14.39 cfs 1.015 af |
| Reach POA-8: Existing Woods to the No | rtheast | Inflow=16.68 cfs 1.046 af
Outflow=16.68 cfs 1.046 af |

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development	Type III 24-hr 2 year Rainfall=3.20"
Prepared by AMECFW	Printed 6/27/2017
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Reach POA-9: Existing Woods to the Northeast

Inflow=10.61 cfs 0.674 af Outflow=10.61 cfs 0.674 af

Total Runoff Area = 89.764 acRunoff Volume = 7.372 afAverage Runoff Depth = 0.99"94.49% Pervious = 84.821 ac5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 8.28 cfs @ 12.00 hrs, Volume= 0.481 af, Depth= 1.84"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 6.62 cfs @ 12.00 hrs, Volume= 0.406 af, Depth= 1.04"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 5.35 cfs @ 12.00 hrs, Volume= 0.337 af, Depth= 0.93"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 4.11 cfs @ 12.00 hrs, Volume= 0.241 af, Depth= 1.40"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 7.22 cfs @ 12.00 hrs, Volume= 0.438 af, Depth= 1.09"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 6.35 cfs @ 12.00 hrs, Volume= 0.394 af, Depth= 0.98"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 4.89 cfs @ 12.00 hrs, Volume= 0.313 af, Depth= 0.88"

 Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 2.92 cfs @ 12.00 hrs, Volume= 0.187 af, Depth= 0.88"

 Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 4.36 cfs @ 12.00 hrs, Volume= 0.279 af, Depth= 0.88"

 Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 5.02 cfs @ 12.00 hrs, Volume= 0.321 af, Depth= 0.88"

 Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 2.99 cfs @ 12.00 hrs, Volume= 0.191 af, Depth= 0.88"

 Area (sf)	CN	Description	
113,745	71	Meadow, non-grazed, HSG C	
113,745		100.00% Pervious Area	

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 2.96 cfs @ 12.00 hrs, Volume= 0.189 af, Depth= 0.88"

 Area (sf)	CN	Description	
112,627	71	Meadow, non-grazed, HSG C	
112,627		100.00% Pervious Area	

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 2.52 cfs @ 12.00 hrs, Volume= 0.161 af, Depth= 0.88"

Are	ea (sf)	CN	Description	
	3,203	78	Meadow, non-grazed, HSG D	
9	2,882	71	Meadow, non-grazed, HSG C	
9	6,085	71	Weighted Average	
9	6,085		100.00% Pervious Area	

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 5.21 cfs @ 12.00 hrs, Volume= 0.333 af, Depth= 0.88"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	198,421 192,818	72	Weighted Average, UI Adjusted CN = 71 97.18% Pervious Area
	198,421 192,818 5,603	72	Weighted Average, UI Adjusted CN = 71 97.18% Pervious Area 2.82% Impervious Area

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 6.52 cfs @ 12.00 hrs, Volume= 0.392 af, Depth= 1.15"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 4.89 cfs @ 12.00 hrs, Volume= 0.303 af, Depth= 0.98"

	Area (sf)	CN	Description		
	104,556	71	Meadow, non-grazed, HSG C		
	26,624	70	Woods, Good, HSG C		
*	30,169	98	Unconnected Outcrop, HSG D		
	161,349	76	Weighted Average, UI Adjusted CN = 73		
	131,180		81.30% Pervious Area		
	30,169		18.70% Impervious Area		
	30,169		100.00% Unconnected		

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 2.68 cfs @ 12.00 hrs, Volume= 0.172 af, Depth= 0.88"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
102,117 72 Weighted Average, UI Adjusted CN = 71			
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 1.23 cfs @ 12.36 hrs, Volume= 0.148 af, Depth= 1.15"

A	rea (sf)	CN	Description			
	1,925 71		Meadow, non-grazed, HSG C			
	27,780	70	Woods, Good, HSG C			
	37,441	80	Pasture/grassland/range, Good, HSG D			
	67,146	76	Weighted A	verage		
	67,146		100.00% Pervious Area			
Тс	Length	Slope	e Velocity	Capacity	Description	
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B	
					Woods: Light underbrush n= 0.400 P2= 3.20"	
8.0	800	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C	
					Woodland Kv= 5.0 fps	
25.1	950	Total				

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 6.11 cfs @ 12.00 hrs, Volume= 0.385 af, Depth= 0.93"

 Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
 24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 5.43 cfs @ 12.00 hrs, Volume= 0.342 af, Depth= 0.93"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 5.13 cfs @ 12.00 hrs, Volume= 0.319 af, Depth= 0.98"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 5.32 cfs @ 12.00 hrs, Volume= 0.335 af, Depth= 0.93"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 5.29 cfs @ 12.00 hrs, Volume= 0.339 af, Depth= 0.88"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 5.73 cfs @ 12.00 hrs, Volume= 0.366 af, Depth= 0.88"

 Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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Inflow /	Area =	12.189 ac,	14.02% Imp	ervious,	Inflow Depth =	1.2	20" for 2 y	ear event	
Inflow	=	20.25 cfs @	12.00 hrs,	Volume	= 1.224	af			
Outflov	v =	20.25 cfs @	12.00 hrs,	Volume	= 1.224	af,	Atten= 0%,	Lag= 0.0 ı	min

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area	a =	5.005 ac,	0.00% Imperviou	s, Inflow Depth = 0).88" for 2 year event
Inflow	=	5.73 cfs @	12.00 hrs, Volur	ne= 0.366 at	f
Outflow	=	5.73 cfs @	12.00 hrs, Volur	ne= 0.366 at	f, Atten= 0%, Lag= 0.0 min

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow A	Area	a =	11.681 ac,	7.53% Impervious,	Inflow Depth = 1.	10" for 2 year event
Inflow		=	17.67 cfs @	12.00 hrs, Volume	e= 1.073 af	
Outflow	V	=	17.67 cfs @	12.00 hrs, Volume	e= 1.073 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Are	ea =	6.826 ac,	0.00% Impervious,	Inflow Depth = 0.8	38" for 2 year event
Inflow	=	7.81 cfs @	12.00 hrs, Volume	= 0.499 af	
Outflow	=	7.81 cfs @	12.00 hrs, Volume	= 0.499 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area	a =	8.208 ac,	0.00% Impervious,	Inflow Depth = 0.8	38" for 2 year event
Inflow	=	9.39 cfs @	12.00 hrs, Volume	e= 0.601 af	
Outflow	=	9.39 cfs @	12.00 hrs, Volume	e= 0.601 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Are	ea =	5.197 ac,	0.00% Impervious,	Inflow Depth = 0.8	38" for 2 year event
Inflow	=	5.94 cfs @	12.00 hrs, Volume	= 0.380 af	
Outflow	=	5.94 cfs @	12.00 hrs, Volume	= 0.380 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Are	a =	6.761 ac,	1.90% Impervious,	Inflow Depth = 0.8	38" for 2 year event
Inflow	=	7.73 cfs @	12.00 hrs, Volume	e= 0.495 af	
Outflow	=	7.73 cfs @	12.00 hrs, Volume	e= 0.495 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow A	rea =	11.674 ac, <i>1</i>	15.15% Impe	ervious,	Inflow Depth =	1.0)4" for 2 ye	ear event
Inflow	=	14.39 cfs @	12.00 hrs,	Volume	= 1.015	af		
Outflow	=	14.39 cfs @	12.00 hrs,	Volume	= 1.015	af,	Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Are	a =	13.273 ac,	1.78% Impervious,	Inflow Depth = 0.9	95" for 2 year event
Inflow	=	16.68 cfs @	12.00 hrs, Volume	e 1.046 af	
Outflow	=	16.68 cfs @	12.00 hrs, Volume	e= 1.046 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Are	ea =	8.951 ac,	2.49% Impervious,	Inflow Depth = 0.9	90" for 2 year event
Inflow	=	10.61 cfs @	12.00 hrs, Volume	e= 0.674 af	
Outflow	=	10.61 cfs @	12.00 hrs, Volume	e= 0.674 af,	Atten= 0%, Lag= 0.0 min
New Milford Post-Development Prepared by AMECFW	"Type III 24-hr 10 year Rainfall=4.70 Printed 6/27/2017				
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HydroCAD® 10.00 s/n 00677 © 2011 HydroC	CAD Software Solutions LLC Page 80				
Time span=1.0 Runoff by Reach routing by Dyn-Stor-Ir	0-30.00 hrs, dt=0.01 hrs, 2901 points SCS TR-20 method, UH=SCS nd method - Pond routing by Dyn-Stor-Ind method				
Subastahmant1 AS: Subastahmant 1 A	Pupoff Area-136 072 of 38 73% Impervious Pupoff Depth-3 10"				
Subcatchment FAS. Subcatchment- TA	Tc=0.0 min $CN=86$ Runoff=14.22 cfs 0.835 af				
Subcatchment1BS: Subcatchment-1B	Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=2.13" Tc=0.0 min UI Adjusted CN=74 Runoff=14.23 cfs 0.832 af				
Subcatchment1CS: Subcatchment-1C	Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=1.97" Tc=0.0 min CN=72 Runoff=12.12 cfs 0.714 af				
Subcatchment2AS: Subcatchment- 2A	Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=2.63" Tc=0.0 min UI Adjusted CN=80 Runoff=7.79 cfs 0.452 af				
Subcatchment2BS: Subcatchment- 2B	Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=2.21" Tc=0.0 min UI Adjusted CN=75 Runoff=15.16 cfs 0.884 af				
Subcatchment2CS: Subcatchment- 2C	Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=2.05" Tc=0.0 min UI Adjusted CN=73 Runoff=14.01 cfs 0.822 af				
Subcatchment3AS: Subcatchment- 3A	Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=11.39 cfs 0.674 af				
Subcatchment3BS: Subcatchment- 3B	Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=6.80 cfs 0.402 af				
Subcatchment4AS: Subcatchment- 4	Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=10.17 cfs 0.602 af				
Subcatchment4BS: Subcatchment- 4B	Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=11.71 cfs 0.693 af				
Subcatchment5AS: Subcatchment- 5A	Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=6.96 cfs 0.412 af				
Subcatchment5BS: Subcatchment- 5B	Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=6.89 cfs 0.408 af				
Subcatchment6AS: Subcatchment- 6A	Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=5.88 cfs 0.348 af				
Subcatchment6BS: Subcatchment- 6B	Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=1.89" Tc=0.0 min UI Adjusted CN=71 Runoff=12.14 cfs 0.718 af				
Subcatchment7AS: Subcatchment-7A	Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=2.29" Tc=0.0 min UI Adjusted CN=76 Runoff=13.39 cfs 0.779 af				
Subcatchment7BS: Subcatchment-7B	Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=2.05" Tc=0.0 min UI Adjusted CN=73 Runoff=10.77 cfs 0.632 af				

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	<i>Type III 24-hr 10 year Rainfall=4.70"</i> Printed 6/27/2017 CAD Software Solutions LLC Page 81
Subcatchment7CS: Subcatchment-7C	Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=1.89" Tc=0.0 min UI Adjusted CN=71 Runoff=6.25 cfs 0.370 af
Subcatchment7DS: Subcatchment-7D	Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=2.29" Flow Length=950' Tc=25.1 min CN=76 Runoff=2.52 cfs 0.294 af
Subcatchment8AS: Subcatchment-8A	Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=1.97" Tc=0.0 min CN=72 Runoff=13.85 cfs 0.815 af
Subcatchment8BS: Subcatchment-8B	Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=1.97" Tc=0.0 min CN=72 Runoff=12.30 cfs 0.724 af
Subcatchment8CS: Subcatchment-8C	Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=2.05" Tc=0.0 min UI Adjusted CN=73 Runoff=11.32 cfs 0.664 af
Subcatchment9AS: Subcatchment- 9A	Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=1.97" Tc=0.0 min UI Adjusted CN=72 Runoff=12.05 cfs 0.710 af
Subcatchment9BS: Subcatchment- 9B	Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=12.33 cfs 0.730 af
Subcatchment10S: Subcatchment-10	Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=1.89" Tc=0.0 min CN=71 Runoff=13.34 cfs 0.789 af
Reach POA-1: Existing Woods to the No	rtheast & Tributary to Existing Inflow=40.57 cfs 2.382 af Outflow=40.57 cfs 2.382 af
Reach POA-10: Existing Woods to the N	orthwestInflow=13.34 cfs0.789 afOutflow=13.34 cfs0.789 af
Reach POA-2: Existing Woods to the No	rthwest Inflow=36.96 cfs 2.158 af Outflow=36.96 cfs 2.158 af
Reach POA-3: Existing Woods to the No	rthwest Inflow=18.19 cfs 1.076 af Outflow=18.19 cfs 1.076 af
Reach POA-4: Existing Woods to the No	rthwest Inflow=21.88 cfs 1.294 af Outflow=21.88 cfs 1.294 af
Reach POA-5: Existing Woods to the No	rthwest Inflow=13.85 cfs 0.820 af Outflow=13.85 cfs 0.820 af
Reach POA-6: Existing Woods to the No	rtheast Inflow=18.02 cfs 1.066 af Outflow=18.02 cfs 1.066 af
Reach POA-7: Existing Woods & Candle	wood Roadside Swales to the Inflow=31.18 cfs 2.076 af Outflow=31.18 cfs 2.076 af
Reach POA-8: Existing Woods to the No	rtheast Inflow=37.46 cfs 2.204 af Outflow=37.46 cfs 2.204 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development	Type III 24-hr	10 year Rainfall=4.70"
Prepared by AMECFW		Printed 6/27/2017
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Reach POA-9: Existing Woods to the Northeast

Inflow=24.38 cfs 1.439 af Outflow=24.38 cfs 1.439 af

Total Runoff Area = 89.764 acRunoff Volume = 15.304 afAverage Runoff Depth = 2.05"94.49% Pervious = 84.821 ac5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 14.22 cfs @ 12.00 hrs, Volume= 0.835 af, Depth= 3.19"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 14.23 cfs @ 12.00 hrs, Volume= 0.832 af, Depth= 2.13"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 12.12 cfs @ 12.00 hrs, Volume= 0.714 af, Depth= 1.97"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 7.79 cfs @ 12.00 hrs, Volume= 0.452 af, Depth= 2.63"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 15.16 cfs @ 12.00 hrs, Volume= 0.884 af, Depth= 2.21"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15 936		100 00% Inconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 14.01 cfs @ 12.00 hrs, Volume= 0.822 af, Depth= 2.05"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209.786	74	Weighted Average, UI Adjusted CN = 73
	,		
	200,918		95.77% Pervious Area
	200,918 8,868		95.77% Pervious Area 4.23% Impervious Area

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 11.39 cfs @ 12.00 hrs, Volume= 0.674 af, Depth= 1.89"

 Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 6.80 cfs @ 12.00 hrs, Volume= 0.402 af, Depth= 1.89"

 Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 10.17 cfs @ 12.00 hrs, Volume= 0.602 af, Depth= 1.89"

 Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 11.71 cfs @ 12.00 hrs, Volume= 0.693 af, Depth= 1.89"

 Area (sf)	CN	Description	
191,314	71	Meadow, non-grazed, HSG C	
191,314		100.00% Pervious Area	

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 6.96 cfs @ 12.00 hrs, Volume= 0.412 af, Depth= 1.89"

 Area (sf)	CN	Description	
113,745	71	Meadow, non-grazed, HSG C	
113,745		100.00% Pervious Area	

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 6.89 cfs @ 12.00 hrs, Volume= 0.408 af, Depth= 1.89"

 Area (sf)	CN	Description	
112,627	71	Meadow, non-grazed, HSG C	
112,627		100.00% Pervious Area	

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 5.88 cfs @ 12.00 hrs, Volume= 0.348 af, Depth= 1.89"

 Area (sf)	CN	Description			
3,203	78	Meadow, non-grazed, HSG D			
 92,882	71	Meadow, non-grazed, HSG C			
96,085	71	Weighted Average			
96,085		100.00% Pervious Area			

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 12.14 cfs @ 12.00 hrs, Volume= 0.718 af, Depth= 1.89"

	Area (sf)	CN	Description	
	3,153 78 Meadow, non-grazed, HSG D			
	189,665	71	Meadow, non-grazed, HSG C	
*	5,603	98	Unconnected Outcrop, HSG D	
198,421 72 Weighted Average, UI Adjusted CN = 71		Weighted Average, UI Adjusted CN = 71		
	192,818		97.18% Pervious Area	
	5,603		2.82% Impervious Area	
	5,603		100.00% Unconnected	

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 13.39 cfs @ 12.00 hrs, Volume= 0.779 af, Depth= 2.29"

	Area (sf)	CN	Description
59,019 71 Meadow, non-grazed, HSG C			
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 10.77 cfs @ 12.00 hrs, Volume= 0.632 af, Depth= 2.05"

	Area (sf)	CN	Description		
	104,556	71	Meadow, non-grazed, HSG C		
	26,624	70	Woods, Good, HSG C		
*	30,169	98	Unconnected Outcrop, HSG D		
	161,349	76	Weighted Average, UI Adjusted CN = 73		
131,180 81.30% Pervious Area		81.30% Pervious Area			
	30,169		18.70% Impervious Area		
	30,169		100.00% Unconnected		

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 6.25 cfs @ 12.00 hrs, Volume= 0.370 af, Depth= 1.89"

	Area (sf)	CN	Description		
	89,143	71	Meadow, non-grazed, HSG C		
	10,084	70	Woods, Good, HSG C		
*	2,890	98	Unconnected Outcrop, HSG D		
	102,117	102,117 72 Weighted Average, UI Adjusted CN = 71			
99,227 97.17% Pervious Area					
2,890 2.83% Impervious Area		2.83% Impervious Area			
	2 890		100 00% Unconnected		

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 2.52 cfs @ 12.36 hrs, Volume= 0.294 af, Depth= 2.29"

A	rea (sf)	CN	Description				
	1,925 71		Meadow, non-grazed, HSG C				
	27,780	70	Woods, Good, HSG C				
	37,441	80	Pasture/grassland/range, Good, HSG D				
	67,146	76	Weighted Average				
	67,146		100.00% Pervious Area				
Тс	Length	Slope	e Velocity	Capacity	Description		
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)			
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B		
					Woods: Light underbrush n= 0.400 P2= 3.20"		
8.0	800	0.1100) 1.66		Shallow Concentrated Flow, Shallow Flow B-C		
					Woodland Kv= 5.0 fps		
25.1	950	Total					

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 13.85 cfs @ 12.00 hrs, Volume= 0.815 af, Depth= 1.97"

A	Area (sf)	CN	Description
	192,315	71	Meadow, non-grazed, HSG C
	24,125	78	Meadow, non-grazed, HSG D
	216,440	72	Weighted Average
	216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 12.30 cfs @ 12.00 hrs, Volume= 0.724 af, Depth= 1.97"

	Area (sf)	CN	Description
* 299 98 Unconnected Outcrop, HSG D			Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
192,247 72 Weighted Average		Weighted Average	
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 11.32 cfs @ 12.00 hrs, Volume= 0.664 af, Depth= 2.05"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
169,496 74 Weighted Average, UI Adjusted CN = 73			Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 12.05 cfs @ 12.00 hrs, Volume= 0.710 af, Depth= 1.97"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 12.33 cfs @ 12.00 hrs, Volume= 0.730 af, Depth= 1.89"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 13.34 cfs @ 12.00 hrs, Volume= 0.789 af, Depth= 1.89"

 Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow /	Area =	=	12.189 ac,	14.02% Impe	ervious,	Inflow Depth =	2.3	34" for 10	year event	İ.
Inflow	=		40.57 cfs @	12.00 hrs,	Volume	= 2.382	af			
Outflov	v =		40.57 cfs @	12.00 hrs,	Volume	= 2.382	af,	Atten= 0%,	Lag= 0.0 i	min

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow A	Area	ι =	5.005 ac,	0.00% Impervious,	Inflow Depth = 1.	89" for 10 year event
Inflow		=	13.34 cfs @	12.00 hrs, Volum	e= 0.789 af	
Outflow	v	=	13.34 cfs @	12.00 hrs, Volume	e= 0.789 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Ar	ea =	11.681 ac,	7.53% Impervious, Inf	low Depth = 2.22 "	for 10 year event
Inflow	=	36.96 cfs @	12.00 hrs, Volume=	2.158 af	
Outflow	=	36.96 cfs @	12.00 hrs, Volume=	2.158 af, Atte	en= 0%, Lag= 0.0 min

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow A	vrea =	6.826 ac,	0.00% Impervious,	Inflow Depth = 1.8	39" for 10 year event
Inflow	=	18.19 cfs @	12.00 hrs, Volume=	= 1.076 af	
Outflow	=	18.19 cfs @	12.00 hrs, Volume=	= 1.076 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Ar	ea =	8.208 ac,	0.00% Impervious,	Inflow Depth = 1.8	89" for 10 year event
Inflow	=	21.88 cfs @	12.00 hrs, Volume	= 1.294 af	
Outflow	=	21.88 cfs @	12.00 hrs, Volume	= 1.294 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow A	Area	=	5.197 ac,	0.00% Impe	ervious,	Inflow D	Depth =	1.8	9" for 10	year even	t
Inflow		=	13.85 cfs @	12.00 hrs,	Volume	=	0.820 a	af			
Outflow	V	=	13.85 cfs @	12.00 hrs,	Volume	=	0.820 a	af,	Atten= 0%,	Lag= 0.0	min

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow A	Area	=	6.761 ac,	1.90% Impe	ervious,	Inflow Dep	oth = 1.8	39" for 10	year event
Inflow	:	=	18.02 cfs @	12.00 hrs,	Volume	= 1	1.066 af		
Outflow	/ :	=	18.02 cfs @	12.00 hrs,	Volume	= 1	1.066 af,	Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow A	rea =	11.674 ac, <i>1</i>	15.15% Impervious,	Inflow Depth = 2.7	13" for 10 year event
Inflow	=	31.18 cfs @	12.00 hrs, Volume	e 2.076 af	
Outflow	=	31.18 cfs @	12.00 hrs, Volume	e= 2.076 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Are	ea =	13.273 ac,	1.78% Impervious,	Inflow Depth = 1.9	99" for 10 year event
Inflow	=	37.46 cfs @	12.00 hrs, Volume	e 2.204 af	
Outflow	=	37.46 cfs @	12.00 hrs, Volume	e= 2.204 af,	Atten= 0%, Lag= 0.0 min
Summary for Reach POA-9: Existing Woods to the Northeast

Inflow A	Area	a =	8.951 ac,	2.49% Impe	ervious,	Inflow Dep	oth = 1.	93" for 10	year event
Inflow		=	24.38 cfs @	12.00 hrs,	Volume	= ´	1.439 af		
Outflow	v	=	24.38 cfs @	12.00 hrs,	Volume	=	1.439 af,	Atten= 0%,	Lag= 0.0 min

New Milford Post-Development	Type III 24-hr 25 year Rainfall=5.50"
Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 HydroC	CAD Software Solutions LLC Printed 6/27/2017
Time span=1.00 Runoff by	0-30.00 hrs, dt=0.01 hrs, 2901 points SCS TR-20 method_UH=SCS
Reach routing by Dyn-Stor-Ir	ad method - Pond routing by Dyn-Stor-Ind method
Subcatchment1AS: Subcatchment-1A	Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=3.94" Tc=0.0 min CN=86 Runoff=17.41 cfs 1.031 af
Subcatchment1BS: Subcatchment-1B	Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=2.77" Tc=0.0 min UI Adjusted CN=74 Runoff=18.64 cfs 1.083 af
Subcatchment1CS: Subcatchment-1C	Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=2.59" Tc=0.0 min CN=72 Runoff=16.10 cfs 0.939 af
Subcatchment2AS: Subcatchment- 2A	Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=3.33" Tc=0.0 min UI Adjusted CN=80 Runoff=9.84 cfs 0.573 af
Subcatchment2BS: Subcatchment-2B	Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=2.86" Tc=0.0 min UI Adjusted CN=75 Runoff=19.72 cfs 1.145 af
Subcatchment2CS: Subcatchment-2C	Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=2.68" Tc=0.0 min UI Adjusted CN=73 Runoff=18.47 cfs 1.075 af
Subcatchment3AS: Subcatchment- 3A	Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=15.24 cfs 0.891 af
Subcatchment3BS: Subcatchment- 3B	Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=9.10 cfs 0.532 af
Subcatchment4AS: Subcatchment- 4	Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=13.61 cfs 0.795 af
Subcatchment4BS: Subcatchment- 4B	Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=15.66 cfs 0.916 af
Subcatchment5AS: Subcatchment- 5A	Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=9.31 cfs 0.544 af
Subcatchment5BS: Subcatchment- 5B	Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=9.22 cfs 0.539 af
Subcatchment6AS: Subcatchment- 6A	Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=7.87 cfs 0.460 af
Subcatchment6BS: Subcatchment- 6B	Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=2.50" Tc=0.0 min UI Adjusted CN=71 Runoff=16.24 cfs 0.950 af
Subcatchment7AS: Subcatchment-7A	Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=2.95" Tc=0.0 min UI Adjusted CN=76 Runoff=17.32 cfs 1.005 af
Subcatchment7BS: Subcatchment-7B	Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=2.68" Tc=0.0 min UI Adjusted CN=73 Runoff=14.21 cfs 0.827 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	Type III 24-hr 25 year Rainfall=5.50 Printed 6/27/2017 CAD Software Solutions LLC Page 118
Subcatchment7CS: Subcatchment-7C	Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=2.50" Tc=0.0 min UI Adjusted CN=71 Runoff=8.36 cfs 0.489 af
Subcatchment7DS: Subcatchment- 7D	Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=2.95" Flow Length=950' Tc=25.1 min CN=76 Runoff=3.27 cfs 0.379 af
Subcatchment8AS: Subcatchment-8A	Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=2.59" Tc=0.0 min CN=72 Runoff=18.39 cfs 1.072 af
Subcatchment8BS: Subcatchment- 8B	Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=2.59" Tc=0.0 min CN=72 Runoff=16.33 cfs 0.952 af
Subcatchment8CS: Subcatchment-8C	Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=2.68" Tc=0.0 min UI Adjusted CN=73 Runoff=14.93 cfs 0.869 af
Subcatchment9AS: Subcatchment- 9A	Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=2.59" Tc=0.0 min UI Adjusted CN=72 Runoff=16.00 cfs 0.933 af
Subcatchment9BS: Subcatchment- 9B	Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=16.50 cfs 0.965 af
Subcatchment10S: Subcatchment- 10	Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=2.50" Tc=0.0 min CN=71 Runoff=17.85 cfs 1.043 af
Reach POA-1: Existing Woods to the No	rtheast & Tributary to Existing Inflow=52.15 cfs 3.053 af Outflow=52.15 cfs 3.053 af
Reach POA-10: Existing Woods to the N	orthwest Inflow=17.85 cfs 1.043 af Outflow=17.85 cfs 1.043 af
Reach POA-2: Existing Woods to the No	rthwest Inflow=48.04 cfs 2.793 af Outflow=48.04 cfs 2.793 af
Reach POA-3: Existing Woods to the No	rthwest Inflow=24.34 cfs 1.423 af Outflow=24.34 cfs 1.423 af
Reach POA-4: Existing Woods to the No	rthwest Inflow=29.27 cfs 1.711 af Outflow=29.27 cfs 1.711 af
Reach POA-5: Existing Woods to the No	rthwest Inflow=18.53 cfs 1.083 af Outflow=18.53 cfs 1.083 af
Reach POA-6: Existing Woods to the No	rtheast Inflow=24.11 cfs 1.409 af Outflow=24.11 cfs 1.409 af
Reach POA-7: Existing Woods & Candle	wood Roadside Swales to the Inflow=40.93 cfs 2.700 af Outflow=40.93 cfs 2.700 af
Reach POA-8: Existing Woods to the No	rtheast Inflow=49.65 cfs 2.893 af Outflow=49.65 cfs 2.893 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development	Type III 24-hr 25 year Rainfall=5.50"
Prepared by AMECFW	Printed 6/27/2017
HydroCAD® 10.00 s/n 00677 © 2011 HydroCAD Software Solutions L	LC Page 119
Pasch BOA 0. Existing Woods to the Northeast	Inflow-22.51 efc. 1.808 of

Reach POA-9: Existing Woods to the Northeast

Inflow=32.51 cfs 1.898 af Outflow=32.51 cfs 1.898 af

Total Runoff Area = 89.764 acRunoff Volume = 20.007 afAverage Runoff Depth = 2.67"94.49% Pervious = 84.821 ac5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 17.41 cfs @ 12.00 hrs, Volume= 1.031 af, Depth= 3.94"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 18.64 cfs @ 12.00 hrs, Volume= 1.083 af, Depth= 2.77"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 16.10 cfs @ 12.00 hrs, Volume= 0.939 af, Depth= 2.59"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
-	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 9.84 cfs @ 12.00 hrs, Volume= 0.573 af, Depth= 3.33"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 19.72 cfs @ 12.00 hrs, Volume= 1.145 af, Depth= 2.86"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15.936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 18.47 cfs @ 12.00 hrs, Volume= 1.075 af, Depth= 2.68"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 15.24 cfs @ 12.00 hrs, Volume= 0.891 af, Depth= 2.50"

 Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 9.10 cfs @ 12.00 hrs, Volume= 0.532 af, Depth= 2.50"

 Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 13.61 cfs @ 12.00 hrs, Volume= 0.795 af, Depth= 2.50"

 Area (sf)	CN	Description		
166,208	71	Meadow, non-grazed, HSG C		
166,208		100.00% Pervious Area		

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 15.66 cfs @ 12.00 hrs, Volume= 0.916 af, Depth= 2.50"

 Area (sf)	CN	Description			
191,314	71	Meadow, non-grazed, HSG C			
191,314		100.00% Pervious Area			

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 9.31 cfs @ 12.00 hrs, Volume= 0.544 af, Depth= 2.50"

 Area (sf)	CN	Description		
 113,745	71	Meadow, non-grazed, HSG C		
113,745		100.00% Pervious Area		

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 9.22 cfs @ 12.00 hrs, Volume= 0.539 af, Depth= 2.50"

 Area (sf)	CN	Description		
112,627	71	Vleadow, non-grazed, HSG C		
112,627		100.00% Pervious Area		

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 7.87 cfs @ 12.00 hrs, Volume= 0.460 af, Depth= 2.50"

 Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
 92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 16.24 cfs @ 12.00 hrs, Volume= 0.950 af, Depth= 2.50"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 17.32 cfs @ 12.00 hrs, Volume= 1.005 af, Depth= 2.95"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 14.21 cfs @ 12.00 hrs, Volume= 0.827 af, Depth= 2.68"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 8.36 cfs @ 12.00 hrs, Volume= 0.489 af, Depth= 2.50"

	Area (sf)	CN	Description		
	89,143	89,143 71 Meadow, non-grazed, HSG C			
	10,084	70	Woods, Good, HSG C		
*	2,890	98	Unconnected Outcrop, HSG D		
	102,117	72	Weighted Average, UI Adjusted CN = 71		
	99,227		97.17% Pervious Area		
	2,890		2.83% Impervious Area		
	2 890		100 00% Unconnected		

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 3.27 cfs @ 12.35 hrs, Volume= 0.379 af, Depth= 2.95"

A	rea (sf)	CN	Description			
1,925 71		71	Meadow, non-grazed, HSG C			
	27,780	70	Woods, Go	od, HSG C		
	37,441	80	Pasture/gra	ssland/ran	ge, Good, HSG D	
	67,146	76	Weighted A	verage		
	67,146		100.00% Pervious Area			
Тс	Length	Slope	Velocity	Capacity	Description	
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)		
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B	
					Woods: Light underbrush n= 0.400 P2= 3.20"	
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C	
					Woodland Kv= 5.0 fps	
25.1	950	Total				

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 18.39 cfs @ 12.00 hrs, Volume= 1.072 af, Depth= 2.59"

 Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
 24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 16.33 cfs @ 12.00 hrs, Volume= 0.952 af, Depth= 2.59"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 14.93 cfs @ 12.00 hrs, Volume= 0.869 af, Depth= 2.68"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 16.00 cfs @ 12.00 hrs, Volume= 0.933 af, Depth= 2.59"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 16.50 cfs @ 12.00 hrs, Volume= 0.965 af, Depth= 2.50"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 17.85 cfs @ 12.00 hrs, Volume= 1.043 af, Depth= 2.50"

 Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow /	Area =	=	12.189 ac,	14.02% Imp	ervious,	Inflow Depth =	3.0	01" for 25	year event	
Inflow	=	:	52.15 cfs @	12.00 hrs,	Volume	= 3.053	3 af			
Outflov	v =	:	52.15 cfs @	12.00 hrs,	Volume	= 3.053	3 af,	Atten= 0%,	Lag= 0.0 m	nin

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow /	Area	ι =	5.005 ac,	0.00% Imperviou	us, Inflow Depth =	= 2.5	50" for 25	year event
Inflow		=	17.85 cfs @	12.00 hrs, Volu	me= 1.04	3 af		
Outflov	v	=	17.85 cfs @	12.00 hrs, Volu	me= 1.04	3 af,	Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow A	rea =	11.681 ac,	7.53% Impervious, I	Inflow Depth = 2.8	87" for 25 year event
Inflow	=	48.04 cfs @	12.00 hrs, Volume=	= 2.793 af	
Outflow	=	48.04 cfs @	12.00 hrs, Volume=	= 2.793 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow /	Area	a =	6.826 ac,	0.00% Impe	ervious,	Inflow D	Depth =	2.5	0" for 25	year even	t
Inflow		=	24.34 cfs @	12.00 hrs,	Volume	=	1.423 a	af			
Outflow	v	=	24.34 cfs @	12.00 hrs,	Volume	=	1.423 a	af,	Atten= 0%,	Lag= 0.0	min

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow /	Area	a =	8.208 ac,	0.00% Impervious,	Inflow Depth = 2.5	50" for 25 year event
Inflow		=	29.27 cfs @	12.00 hrs, Volume	≔ 1.711 af	
Outflov	N	=	29.27 cfs @	12.00 hrs, Volume	≔ 1.711 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow A	Area	ι =	5.197 ac,	0.00% Impervious,	Inflow Depth = 2.8	50" for 25 year event
Inflow		=	18.53 cfs @	12.00 hrs, Volume	e= 1.083 af	
Outflow	v	=	18.53 cfs @	12.00 hrs, Volume	e= 1.083 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow A	Area	=	6.761 ac,	1.90% Imper	rvious,	Inflow Dep	oth = 2.	50" for 25	year event
Inflow		=	24.11 cfs @	12.00 hrs, \	/olume	= 1	.409 af		
Outflow	/	=	24.11 cfs @	12.00 hrs, \	/olume	= 1	.409 af,	Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow A	\rea =	11.674 ac, 1	5.15% Impervious,	Inflow Depth = 2.7	78" for 25 year event
Inflow	=	40.93 cfs @	12.00 hrs, Volume	= 2.700 af	
Outflow	=	40.93 cfs @	12.00 hrs, Volume	= 2.700 af,	Atten= 0%, Lag= 0.0 min
Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Are	a =	13.273 ac,	1.78% Impervious,	Inflow Depth = 2.0	62" for 25 year event
Inflow	=	49.65 cfs @	12.00 hrs, Volume	e= 2.893 af	
Outflow	=	49.65 cfs @	12.00 hrs, Volume	e= 2.893 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow /	Area	a =	8.951 ac,	2.49% Imperv	vious, Inflow	Depth = 2.5	54" for 25	year event
Inflow		=	32.51 cfs @	12.00 hrs, V	'olume=	1.898 af		
Outflov	v	=	32.51 cfs @	12.00 hrs, V	olume=	1.898 af,	Atten= 0%,	Lag= 0.0 min

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Time span=1.0 Runoff by Reach routing by Dyn-Stor-Ir	0-30.00 hrs, dt=0.01 hrs, 2901 points SCS TR-20 method, UH=SCS nd method - Pond routing by Dyn-Stor-Ind method
Subcatchment1AS: Subcatchment-1A	Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=5.37" Tc=0.0 min CN=86 Runoff=23.39 cfs 1.406 af
Subcatchment1BS: Subcatchment-1B	Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=4.04" Tc=0.0 min UI Adjusted CN=74 Runoff=27.24 cfs 1.581 af
Subcatchment1CS: Subcatchment-1C	Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=3.83" Tc=0.0 min CN=72 Runoff=23.93 cfs 1.388 af
Subcatchment2AS: Subcatchment- 2A	Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=4.69" Tc=0.0 min UI Adjusted CN=80 Runoff=13.75 cfs 0.806 af
Subcatchment2BS: Subcatchment- 2B	Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=4.15" Tc=0.0 min UI Adjusted CN=75 Runoff=28.59 cfs 1.661 af
Subcatchment2CS: Subcatchment- 2C	Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=3.94" Tc=0.0 min UI Adjusted CN=73 Runoff=27.22 cfs 1.579 af
Subcatchment3AS: Subcatchment- 3A	Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=22.86 cfs 1.326 af
Subcatchment3BS: Subcatchment- 3B	Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=13.64 cfs 0.792 af
Subcatchment4AS: Subcatchment- 4	Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=20.40 cfs 1.184 af
Subcatchment4BS: Subcatchment- 4B	Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=23.48 cfs 1.363 af
Subcatchment5AS: Subcatchment- 5A	Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=13.96 cfs 0.810 af
Subcatchment5BS: Subcatchment- 5B	Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=13.83 cfs 0.802 af
Subcatchment6AS: Subcatchment- 6A	Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=11.79 cfs 0.684 af
Subcatchment6BS: Subcatchment- 6B	Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=3.72" Tc=0.0 min UI Adjusted CN=71 Runoff=24.36 cfs 1.413 af
Subcatchment7AS: Subcatchment-7A	Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=4.26" Tc=0.0 min UI Adjusted CN=76 Runoff=24.91 cfs 1.449 af
Subcatchment7BS: Subcatchment-7B	Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=3.94" Tc=0.0 min UI Adjusted CN=73 Runoff=20.93 cfs 1.215 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development Prepared by AMECFW HydroCAD® 10.00 s/n 00677 © 2011 Hydro	Type III 24-hr 100 year Rainfall=7.00 Printed 6/27/2017 CAD Software Solutions LLC Page 155
Subcatchment7CS: Subcatchment-7C	Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=3.72" Tc=0.0 min UI Adjusted CN=71 Runoff=12.54 cfs 0.727 af
Subcatchment7DS: Subcatchment-7D	Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=4.26" Flow Length=950' Tc=25.1 min CN=76 Runoff=4.71 cfs 0.547 af
Subcatchment8AS: Subcatchment-8A	Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=3.83" Tc=0.0 min CN=72 Runoff=27.33 cfs 1.585 af
Subcatchment8BS: Subcatchment-8B	Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=3.83" Tc=0.0 min CN=72 Runoff=24.27 cfs 1.408 af
Subcatchment8CS: Subcatchment-8C	Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=3.94" Tc=0.0 min UI Adjusted CN=73 Runoff=21.99 cfs 1.276 af
Subcatchment9AS: Subcatchment- 9A	Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=3.83" Tc=0.0 min UI Adjusted CN=72 Runoff=23.78 cfs 1.380 af
Subcatchment9BS: Subcatchment- 9B	Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=24.74 cfs 1.436 af
Subcatchment10S: Subcatchment-10	Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=3.72" Tc=0.0 min CN=71 Runoff=26.76 cfs 1.553 af
Reach POA-1: Existing Woods to the No	rtheast & Tributary to Existing Inflow=74.55 cfs 4.375 af Outflow=74.55 cfs 4.375 af
Reach POA-10: Existing Woods to the N	orthwest Inflow=26.76 cfs 1.553 af Outflow=26.76 cfs 1.553 af
Reach POA-2: Existing Woods to the No	rthwest Inflow=69.55 cfs 4.047 af Outflow=69.55 cfs 4.047 af
Reach POA-3: Existing Woods to the No	rthwest Inflow=36.50 cfs 2.118 af Outflow=36.50 cfs 2.118 af
Reach POA-4: Existing Woods to the No	rthwest Inflow=43.89 cfs 2.547 af Outflow=43.89 cfs 2.547 af
Reach POA-5: Existing Woods to the No	rthwest Inflow=27.79 cfs 1.612 af Outflow=27.79 cfs 1.612 af
Reach POA-6: Existing Woods to the No	rtheast Inflow=36.15 cfs 2.098 af Outflow=36.15 cfs 2.098 af
Reach POA-7: Existing Woods & Candle	wood Roadside Swales to the Inflow=59.97 cfs 3.938 af Outflow=59.97 cfs 3.938 af
Reach POA-8: Existing Woods to the No	rtheast Inflow=73.59 cfs 4.270 af Outflow=73.59 cfs 4.270 af

- PRELIMINARY ANALYSIS -TO BE REFINED PRIOR TO CONSTRUCTION

New Milford Post-Development	Type III 24-hr	100 year Rainfall=7.00"
Prepared by AMECFW		Printed 6/27/2017
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Reach POA-9: Existing Woods to the Northeast

Inflow=48.53 cfs 2.816 af Outflow=48.53 cfs 2.816 af

Total Runoff Area = 89.764 acRunoff Volume = 29.373 afAverage Runoff Depth = 3.93"94.49% Pervious = 84.821 ac5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 23.39 cfs @ 12.00 hrs, Volume= 1.406 af, Depth= 5.37"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 27.24 cfs @ 12.00 hrs, Volume= 1.581 af, Depth= 4.04"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 23.93 cfs @ 12.00 hrs, Volume= 1.388 af, Depth= 3.83"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 13.75 cfs @ 12.00 hrs, Volume= 0.806 af, Depth= 4.69"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 28.59 cfs @ 12.00 hrs, Volume= 1.661 af, Depth= 4.15"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 27.22 cfs @ 12.00 hrs, Volume= 1.579 af, Depth= 3.94"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 22.86 cfs @ 12.00 hrs, Volume= 1.326 af, Depth= 3.72"

 Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 13.64 cfs @ 12.00 hrs, Volume= 0.792 af, Depth= 3.72"

 Area (sf)	CN	Description	
111,129	71	Meadow, non-grazed, HSG C	
111,129		100.00% Pervious Area	

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 20.40 cfs @ 12.00 hrs, Volume= 1.184 af, Depth= 3.72"

 Area (sf)	CN	Description	
 166,208	71	Meadow, non-grazed, HSG C	
166,208		100.00% Pervious Area	

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 23.48 cfs @ 12.00 hrs, Volume= 1.363 af, Depth= 3.72"

 Area (sf)	CN	Description	
191,314	71	Meadow, non-grazed, HSG C	
191,314		100.00% Pervious Area	

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 13.96 cfs @ 12.00 hrs, Volume= 0.810 af, Depth= 3.72"

 Area (sf)	CN	Description	
113,745	71	Meadow, non-grazed, HSG C	
113,745		100.00% Pervious Area	

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 13.83 cfs @ 12.00 hrs, Volume= 0.802 af, Depth= 3.72"

 Area (sf)	CN	Description	
112,627	71	Meadow, non-grazed, HSG C	
112,627		100.00% Pervious Area	

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 11.79 cfs @ 12.00 hrs, Volume= 0.684 af, Depth= 3.72"

 Area (sf)	CN	Description	
3,203	78	Meadow, non-grazed, HSG D	
 92,882	71	Meadow, non-grazed, HSG C	
 96,085	71	Weighted Average	
96,085		100.00% Pervious Area	

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 24.36 cfs @ 12.00 hrs, Volume= 1.413 af, Depth= 3.72"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 24.91 cfs @ 12.00 hrs, Volume= 1.449 af, Depth= 4.26"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 20.93 cfs @ 12.00 hrs, Volume= 1.215 af, Depth= 3.94"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 12.54 cfs @ 12.00 hrs, Volume= 0.727 af, Depth= 3.72"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102 117	70	Weighted Average III Adjusted CN - 71
	102,117	12	V = V = I = V = I = V
	99,227	12	97.17% Pervious Area
	99,227 2,890	12	97.17% Pervious Area 2.83% Impervious Area

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 4.71 cfs @ 12.35 hrs, Volume= 0.547 af, Depth= 4.26"

A	rea (sf)	CN	Description		
	1,925	71	Meadow, n	on-grazed,	HSG C
	27,780	70	Woods, Go	od, HSG C	
	37,441	80	Pasture/gra	ssland/ran	ge, Good, HSG D
	67,146	76	Weighted A	verage	
	67,146		100.00% Pervious Area		
Тс	Length	Slope	e Velocity	Capacity	Description
(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
17.1	150	0.0800	0.15		Sheet Flow, Sheet Flow A-B
					Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		Shallow Concentrated Flow, Shallow Flow B-C
					Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 27.33 cfs @ 12.00 hrs, Volume= 1.585 af, Depth= 3.83"

 Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
 24,125	78	Meadow, non-grazed, HSG D
 216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 24.27 cfs @ 12.00 hrs, Volume= 1.408 af, Depth= 3.83"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 21.99 cfs @ 12.00 hrs, Volume= 1.276 af, Depth= 3.94"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 23.78 cfs @ 12.00 hrs, Volume= 1.380 af, Depth= 3.83"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 24.74 cfs @ 12.00 hrs, Volume= 1.436 af, Depth= 3.72"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 26.76 cfs @ 12.00 hrs, Volume= 1.553 af, Depth= 3.72"

 Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow A	Area =	 12.189 ac 	, 14.02% Imperv	vious, Inflow	Depth = 4.31"	for 100 year e	vent
Inflow	=	74.55 cfs (12.00 hrs, V	'olume=	4.375 af		
Outflov	v =	74.55 cfs (12.00 hrs, V	'olume=	4.375 af, At	ten= 0%, Lag= 0	.0 min

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow /	Area	a =	5.005 ac,	0.00% Impervious,	Inflow Depth = 3.7	72" for 100 year event
Inflow		=	26.76 cfs @	12.00 hrs, Volume	⊨ 1.553 af	
Outflov	N	=	26.76 cfs @	12.00 hrs, Volume	= 1.553 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow A	Area	=	11.681 ac,	7.53% Impe	ervious,	Inflow	Depth =	4.1	6" for 100) year eve	ent
Inflow	=	=	69.55 cfs @	12.00 hrs,	Volume	=	4.047	af			
Outflow	/ =	=	69.55 cfs @	12.00 hrs,	Volume	=	4.047	af,	Atten= 0%,	Lag= 0.0	min

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow /	Area	ι =	6.826 ac,	0.00% Impervio	ous, Inflow D	Depth = 3.7	2" for 100) year event
Inflow		=	36.50 cfs @	12.00 hrs, Vol	lume=	2.118 af		
Outflow	v	=	36.50 cfs @	12.00 hrs, Vol	lume=	2.118 af,	Atten= 0%,	Lag= 0.0 min

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Are	ea =	8.208 ac,	0.00% Impervious, I	Inflow Depth = 3.7	72" for 100 year event
Inflow	=	43.89 cfs @	12.00 hrs, Volume=	2.547 af	
Outflow	=	43.89 cfs @	12.00 hrs, Volume=	= 2.547 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow A	Area	ι =	5.197 ac,	0.00% Impervious,	Inflow Depth = 3.7	72" for 100 year event
Inflow		=	27.79 cfs @	12.00 hrs, Volume	≔ 1.612 af	
Outflow	v	=	27.79 cfs @	12.00 hrs, Volume	≔ 1.612 af,	Atten= 0%, Lag= 0.0 min

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow A	rea =	6.761 ac,	1.90% Impervious,	Inflow Depth = 3.7	72" for 100 year event
Inflow	=	36.15 cfs @	12.00 hrs, Volume	= 2.098 af	
Outflow	=	36.15 cfs @	12.00 hrs, Volume	= 2.098 af,	Atten= 0%, Lag= 0.0 min
Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow .	Area	=	11.674 ac, 1	15.15% Impe	ervious,	Inflow Depth =	4.0)5" for 100) year event	
Inflow		=	59.97 cfs @	12.00 hrs,	Volume	= 3.938	af			
Outflow	N	=	59.97 cfs @	12.00 hrs,	Volume	= 3.938	af,	Atten= 0%,	Lag= 0.0 mir	۱

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Ar	ea =	13.273 ac,	1.78% Impervious,	Inflow Depth = 3.8	36" for 100 year event
Inflow	=	73.59 cfs @	12.00 hrs, Volume=	= 4.270 af	
Outflow	=	73.59 cfs @	12.00 hrs, Volume=	= 4.270 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow A	rea =	8.951 ac,	2.49% Impervious,	Inflow Depth = 3.7	77" for 100 year event
Inflow	=	48.53 cfs @	12.00 hrs, Volume	= 2.816 af	
Outflow	=	48.53 cfs @	12.00 hrs, Volume	= 2.816 af,	Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs