

***10. Developed
Drainage Information
(original calculations)***

Developed Drainage Sub-Basins									
Sub-basin No.:	1	Total Area =		2,873,412 S.F. = 65.964 Ac.					
Surface	# of Lots:	150	Front 150		Rear: 147		C N		
Structures	149	Total	2,000	S.F. =	298,000	S.F. =	6.84	Ac.	0.92 0.02
Drives	151	Total	700	S.F. =	105,700	S.F. =	2.43	Ac.	0.92 0.02
Pavement	1573	L.F.	24.0	Width =	37,752	S.F. =	0.87	Ac.	0.92 0.02
Pavement	5751	L.F.	29.0	Width =	166,779	S.F. =	3.83	Ac.	0.92 0.02
Patios	147	Total	200	S.F. =	29,400	S.F. =	0.67	Ac.	0.92 0.02
Sidewalks	14350	L.F.	4	Width =	57,400	S.F. =	1.32	Ac.	0.92 0.02
Lawn (0-2%)				S.F. =			0.00	Ac.	0.15 0.40
Lawn (2-5%)			1,851,321	S.F. =			42.50	Ac.	0.25 0.40
Lawn (5-10%)				S.F. =			0.00	Ac.	0.40 0.40
Lawn (>10%)			153,971	S.F. =			3.53	Ac.	0.55 0.40
Water			173,089	S.F. =			3.97	Ac.	1.00 0.00
Misc.				S.F. =			0.00	Ac.	

Weighted c =	0.473
Weighted N =	0.284
L =	300 Ft.
H =	19.0 Ft.
S =	0.0633 Ft./Ft.
tc =	12.56 Minutes
I(25) =	4.047 In./Hr.
Q(25) =	126.36 CFS

+13.10 Min. Ditch Flow

Developed Drainage Sub-Basins									
Sub-basin No.:	2	Total Area =		114,129 S.F. = 2.620 Ac.					
Surface	# of Lots:	5	Front 1		Rear: 4		C N		
Structures	2	Total	2,000	S.F. =	4,000	S.F. =	0.09	Ac.	0.92 0.02
Drives	0	Total	700	S.F. =	0	S.F. =	0.00	Ac.	0.92 0.02
Pavement	924	L.F.	-	Width =	16,801	S.F. =	0.39	Ac.	0.92 0.02
Patios	4	Total	200	S.F. =	800	S.F. =	0.02	Ac.	0.92 0.02
Sidewalks	276	L.F.	4	Width =	1,104	S.F. =	0.03	Ac.	0.92 0.02
Lawn (0-2%)				S.F. =			0.00	Ac.	0.15 0.40
Lawn (2-5%)			91,424	S.F. =			2.10	Ac.	0.25 0.40
Lawn (5-10%)				S.F. =			0.00	Ac.	0.40 0.40
Lawn (>10%)				S.F. =			0.00	Ac.	0.55 0.40
Water				S.F. =			0.00	Ac.	1.00 0.00
Misc.				S.F. =			0.00	Ac.	

Weighted c =	0.383
Weighted N =	0.324
L =	318 Ft.
H =	24.0 Ft.
S =	0.0755 Ft./Ft.
tc =	13.18 Minutes
I(25) =	5.358 In./Hr.
Q(25) =	5.38 CFS

5 Minutes Min.

Developed Drainage Sub-Basins

Sub-basin No. : Overall		Total Area =		2,985,559 S.F. =		68.539 Ac.	
Surface	# of Lots: 151	Front 151		Rear: 151		C	N
Structures	151 Total	2,000 S.F. =		302,000 S.F. =	6.93 Ac.	0.92	0.02
Drives	151 Total	700 S.F. =		105,700 S.F. =	2.43 Ac.	0.92	0.02
Pavement	1573 L.F.	24.0 Width =		37,752 S.F. =	0.87 Ac.	0.92	0.02
Pavement	5940 L.F.	29.0 Width =		172,260 S.F. =	3.95 Ac.	0.92	0.02
Patios	151 Total	200 S.F. =		30,200 S.F. =	0.69 Ac.	0.92	0.02
Sidewalks	14626 L.F.	4 Width =		58,504 S.F. =	1.34 Ac.	0.92	0.02
Storage Barn	151 Total	100 S.F. =		15,100 S.F. =	0.35 Ac.	0.92	0.02
Lawn (0-2%)		S.F. =			0.00 Ac.	0.15	0.40
Lawn (2-5%)	1,491,292	S.F. =			34.24 Ac.	0.25	0.40
Lawn (5-10%)		S.F. =			0.00 Ac.	0.40	0.40
Lawn (>10%)	599,662	S.F. =			13.77 Ac.	0.55	0.40
Water	173,089	S.F. =			3.97 Ac.	1.00	0.00
Misc.		S.F. =			0.00 Ac.		

Weighted c =	0.516
Weighted N =	0.285
L =	300 Ft.
H =	19.0 Ft.
S =	0.0633 Ft./Ft.
tc =	12.58 Minutes
I(25) =	4.045 In./Hr.
Q(25) =	142.96 CFS

+13.10 Min. Ditch Flow