

WATERFORD NORTH 3RD ADDITION
(DRAINAGE)

Channel in Floodway On West Side Of Pepperwood Rd

Point Number	Area	Area Accum	T ₁ Min	C	T ₂
1	28.8	28.8	311	0.4	288
2	28	56.8	311	0.4	288
3	78	134.8	33	0.4	288
4	140	274.8	33	0.4	288
5	38	312.8	33	0.4	288
6	80	392.8	33	0.4	288
7	80	472.8	33	0.4	288

Point Number	T ₁	Q ₁	Q ₂	Channel Size	Channel Slope	Velocity	Pipe Size
1	311	5.5	5.5	6" x 12"	1/4	0.6	
2	311	11.0	11.0	6" x 12"	1/4	0.7	
3	33	22.0	22.0	6" x 12"	1/4	0.8	
4	33	44.0	44.0	6" x 12"	1/4	0.8	
5	33	66.0	66.0	6" x 12"	1/4	0.8	
6	33	88.0	88.0	6" x 12"	1/4	0.8	
7	33	110.0	110.0	6" x 12"	1/4	0.8	

Channel in Floodway Starting In Sycamore Village And Flowing On To

West North Side of Pepperwood Rd to Pepperwood Lake

Point Number	Area	Area Accum	T ₁ Min	C	T ₂
1A	114	114	48	0.4	218
2A	184	298	48	0.4	218
3A	88	386	48	0.4	218
4A	214	600	48	0.4	218
5A	140	740	48	0.4	218
6A	68	808	48	0.4	218
7A	38	846	48	0.4	218
8A	148	994	48	0.4	218
9A	784	1778	48	0.4	218

Point Number	T ₁	Q ₁	Q ₂	Channel Size	Channel Slope	Velocity	Pipe Size
1A	48	34	34	6" x 12"	1/4	0.6	
2A	48	68	68	6" x 12"	1/4	0.6	
3A	48	102	102	6" x 12"	1/4	0.6	
4A	48	136	136	6" x 12"	1/4	0.6	
5A	48	170	170	6" x 12"	1/4	0.6	
6A	48	204	204	6" x 12"	1/4	0.6	
7A	48	238	238	6" x 12"	1/4	0.6	
8A	48	272	272	6" x 12"	1/4	0.6	
9A	48	306	306	6" x 12"	1/4	0.6	

Waterford North 3rd	AREA	AREA Accum	T ₁ (min)	C	T ₂	Q ₁	Q ₂	Channel Size	Slope	Velocity	Capacity	Street
SE-1												
SE-2												
SE-1+2	4.1	18.1	0.5	3.75	8.37	7.7	17.2	18" x 0.4%			5.4 x 0.5	0.4%
E-1	1.6	16	0.6		8.98		8.6	18" x 0.4%	2 INCHES JOINED BY 16"			
S-1	15.9	24	0.50	4.24	7.45		59.4	30" x 0.3%	DITCH INLETS (?)			1.2%
S-2	4.6	18		2.75	8.37	8.7		18" x 0.4%	1 INCH			
S-3	2.3	18		2.75	8.37	8.3			1 INCH			
S-4	4.0	18		3.75	8.37	7.6		21" x 0.4%	2 INCH			
S-5	3.7	15		4.06	8.98	7.5			2 INCH			
N-1	3.3	27	0.5	3.15	7.14	49.5	10.7	(27616 FROM N-1-N-4) 2-42"				
N-2	4.6	18	0.5	2.75	8.37	6.2	13.5	18" x 0.3%			2.4 x 0.4	1.2%
N-3	1.5	15	0.5	4.06	8.98	3.0	47					
N-4	0.8	15	0.6	4.06	8.98	1.9	4.5					
N-5	1.3	15	0.5	4.06	8.98	3.6	8.1					
N-6	2.2	15	0.5	4.06	8.98	4.6	9.9	24" x 0.3%	2 INCH			
N-7	2.0	15	0.6	3.75	8.37	4.5	5.0					
		14.2	20	0.541	2.22	3.22	2.2					

