

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	29	57.8	311	0.4	288
3	78	135.8	33	0.4	288
4	140	275.8	33	0.4	288
5	38	313.8	33	0.4	288
6	80	393.8	33	0.4	288
7	80	473.8	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 at 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	83	381	48	0.4	218
4A	214	595	48	0.4	218
5A	140	735	48	0.4	218
6A	68	803	48	0.4	218
7A	38	841	48	0.4	218
8A	145	986	48	0.4	218
9A	784	1770	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	Channel Slope	Velocity	Pipe Size
SE-1	1.1	1.1	18	0.5	3.75	8.37	7.7	17.2	18" 0.4%		
SE-2	1.6	2.7	18	0.6	5.98	8.6	8.6	18" 0.4%	2 INCHES JOINED BY 16"		
SE-1+2	2.7	2.7	24	0.50	4.24	7.45	59.4	30" 0.3%	DITCH INLETS (?)		
E-1	15.9	18.6	18		2.75	8.37	8.7	18" 0.4%	1 INCH		
S-1	4.6	23.2	18		2.75	8.37	5.3	18" 0.4%	1 INCH		
S-2	2.3	25.5	18		2.75	8.37	7.6	21" 0.4%	2 INCH		
S-3	4.0	29.5	18		4.06	8.95	7.5	2 INCH			
S-4	3.7	33.2	18	0.5	3.15	7.14	49.5	10.7	(27" to FROM N-1-N-4) 2 INCH		
N-1	3.3	36.5	18	0.5	2.75	8.37	6.2	18" 0.3%			
N-2	4.6	41.1	15	0.6	4.06	8.95	11.2	24.8	24" 0.354% / 100' 0.3 2 INCH		
N-3	1.5	42.6	15	0.5	2.75	8.37	10.7	36.7			
N-4	0.8	43.4	15	0.6	4.06	8.95	3.0	47			
N-5	1.3	44.7	15	0.5	4.06	8.95	3.6	8.1			
N-6	2.2	46.9	15	0.5	4.06	8.95	4.6	9.9	24" 0.354% 100' 0.3 2 INCH		
N-7	2.0	48.9	18	0.6	3.75	8.37	4.5	5.0			
	14.2	63.1	20	0.541	2.02	3.32	5.2	7.2			

