

WATERFORD NORTH 3RD ADDITION
(DRAINAGE)

Channel in Floodway On West Side Of Pepperwood Pond

Point Number	Area	Area Accum	T _{min}	C	T _{max}	Q _{max}	Channel Size		Channel Slope	Velocity	Pipe Size
							Bottom	Depth			
C1	288	288	311	0.4	288	110	4.5	1.5	1/2	0.6	
C2	28	316	31	0.4	316	122	4.1	1.5	1/2	0.7	
C3	78	394	33	0.4	394	134	3.7	1.5	1/2	0.8	
C4	148	542	35	0.4	542	146	3.3	1.5	1/2	0.9	
C5	38	580	36	0.4	580	158	2.9	1.5	1/2	1.0	
C6	80	660	37	0.4	660	170	2.5	1.5	1/2	1.1	
C7	80	740	37	0.4	740	182	2.1	1.5	1/2	1.2	
C8	110	850	38	0.4	850	194	1.7	1.5	1/2	1.3	
C9	180	1030	39	0.4	1030	206	1.3	1.5	1/2	1.4	
C10	28	1058	40	0.4	1058	218	0.9	1.5	1/2	1.5	
C11	88	1146	41	0.4	1146	230	0.5	1.5	1/2	1.6	
C12	148	1294	42	0.4	1294	242	0.1	1.5	1/2	1.7	
C13	38	1332	43	0.4	1332	254	0.0	1.5	1/2	1.8	
C14	168	1500	44	0.4	1500	266	0.0	1.5	1/2	1.9	
C15	188	1688	45	0.4	1688	278	0.0	1.5	1/2	2.0	
C16	188	1876	46	0.4	1876	290	0.0	1.5	1/2	2.1	
C17	188	2064	47	0.4	2064	302	0.0	1.5	1/2	2.2	
C18	188	2252	48	0.4	2252	314	0.0	1.5	1/2	2.3	
C19	188	2440	49	0.4	2440	326	0.0	1.5	1/2	2.4	
C20	188	2628	50	0.4	2628	338	0.0	1.5	1/2	2.5	
C21	188	2816	51	0.4	2816	350	0.0	1.5	1/2	2.6	
C22	188	3004	52	0.4	3004	362	0.0	1.5	1/2	2.7	
C23	188	3192	53	0.4	3192	374	0.0	1.5	1/2	2.8	
C24	188	3380	54	0.4	3380	386	0.0	1.5	1/2	2.9	
C25	188	3568	55	0.4	3568	398	0.0	1.5	1/2	3.0	
C26	188	3756	56	0.4	3756	410	0.0	1.5	1/2	3.1	
C27	188	3944	57	0.4	3944	422	0.0	1.5	1/2	3.2	
C28	188	4132	58	0.4	4132	434	0.0	1.5	1/2	3.3	
C29	188	4320	59	0.4	4320	446	0.0	1.5	1/2	3.4	
C30	188	4508	60	0.4	4508	458	0.0	1.5	1/2	3.5	
C31	188	4696	61	0.4	4696	470	0.0	1.5	1/2	3.6	
C32	188	4884	62	0.4	4884	482	0.0	1.5	1/2	3.7	
C33	188	5072	63	0.4	5072	494	0.0	1.5	1/2	3.8	
C34	188	5260	64	0.4	5260	506	0.0	1.5	1/2	3.9	
C35	188	5448	65	0.4	5448	518	0.0	1.5	1/2	4.0	
C36	188	5636	66	0.4	5636	530	0.0	1.5	1/2	4.1	
C37	188	5824	67	0.4	5824	542	0.0	1.5	1/2	4.2	
C38	188	6012	68	0.4	6012	554	0.0	1.5	1/2	4.3	
C39	188	6200	69	0.4	6200	566	0.0	1.5	1/2	4.4	
C40	188	6388	70	0.4	6388	578	0.0	1.5	1/2	4.5	
C41	188	6576	71	0.4	6576	590	0.0	1.5	1/2	4.6	
C42	188	6764	72	0.4	6764	602	0.0	1.5	1/2	4.7	
C43	188	6952	73	0.4	6952	614	0.0	1.5	1/2	4.8	
C44	188	7140	74	0.4	7140	626	0.0	1.5	1/2	4.9	
C45	188	7328	75	0.4	7328	638	0.0	1.5	1/2	5.0	
C46	188	7516	76	0.4	7516	650	0.0	1.5	1/2	5.1	
C47	188	7704	77	0.4	7704	662	0.0	1.5	1/2	5.2	
C48	188	7892	78	0.4	7892	674	0.0	1.5	1/2	5.3	
C49	188	8080	79	0.4	8080	686	0.0	1.5	1/2	5.4	
C50	188	8268	80	0.4	8268	698	0.0	1.5	1/2	5.5	
C51	188	8456	81	0.4	8456	710	0.0	1.5	1/2	5.6	
C52	188	8644	82	0.4	8644	722	0.0	1.5	1/2	5.7	
C53	188	8832	83	0.4	8832	734	0.0	1.5	1/2	5.8	
C54	188	9020	84	0.4	9020	746	0.0	1.5	1/2	5.9	
C55	188	9208	85	0.4	9208	758	0.0	1.5	1/2	6.0	
C56	188	9396	86	0.4	9396	770	0.0	1.5	1/2	6.1	
C57	188	9584	87	0.4	9584	782	0.0	1.5	1/2	6.2	
C58	188	9772	88	0.4	9772	794	0.0	1.5	1/2	6.3	
C59	188	9960	89	0.4	9960	806	0.0	1.5	1/2	6.4	
C60	188	10148	90	0.4	10148	818	0.0	1.5	1/2	6.5	
C61	188	10336	91	0.4	10336	830	0.0	1.5	1/2	6.6	
C62	188	10524	92	0.4	10524	842	0.0	1.5	1/2	6.7	
C63	188	10712	93	0.4	10712	854	0.0	1.5	1/2	6.8	
C64	188	10900	94	0.4	10900	866	0.0	1.5	1/2	6.9	
C65	188	11088	95	0.4	11088	878	0.0	1.5	1/2	7.0	
C66	188	11276	96	0.4	11276	890	0.0	1.5	1/2	7.1	
C67	188	11464	97	0.4	11464	902	0.0	1.5	1/2	7.2	
C68	188	11652	98	0.4	11652	914	0.0	1.5	1/2	7.3	
C69	188	11840	99	0.4	11840	926	0.0	1.5	1/2	7.4	
C70	188	12028	100	0.4	12028	938	0.0	1.5	1/2	7.5	

Channel in Floodway Starting In Sycamore Village And Flowing On East Side of Pepperwood Pond

Point Number	Area	Area Accum	T _{min}	C	T _{max}	Q _{max}	Channel Size		Channel Slope	Velocity	Pipe Size
							Bottom	Depth			
1A	110	110	48	0.4	218	418	36	2.0			
2A	180	290	49	0.4	290	418	32	2.0			
3A	80	370	50	0.4	370	418	28	2.0			
4A	210	580	51	0.4	580	418	24	2.0			
5A	140	720	52	0.4	720	418	20	2.0			
6A	68	788	53	0.4	788	418	16	2.0			
7A	36	824	54	0.4	824	418	12	2.0			
8A	168	992	55	0.4	992	418	8	2.0			
9A	188	1180	56	0.4	1180	418	4	2.0			

Point	Area	Area Accum	T _{min}	C	T _{max}	Q _{max}	Q _{min}	Q _{avg}	Channel Slope	Channel Capacity	Channel Street
SE-1	1.1	1.1	18	0.5	3.75	8.37	7.7	17.2	18" 0.4%	5.6 @ 0.5	0.4%
SE-2	1.6	2.7	18	0.6	5.98	8.6	8.6	16" 0.4%	2 JUNCTS JOINED BY 16"		
SE-1+2	2.7	2.7	18	0.5	3.75	8.37	7.7	17.2	18" 0.4%	5.6 @ 0.5	0.4%
E-1	15.9	15.9	24	0.50	4.24	7.45	7.45	59.4	30" 0.3%	DITCH INLETS (?)	1.2%
S-1	4.6	4.6	18	0.5	3.75	8.37	8.37	18" 0.4%	1 INLET		
S-2	2.3	2.3	18	0.5	3.75	8.37	8.37	18" 0.4%	1 INLET		
S-3	4.0	4.0	18	0.5	3.75	8.37	8.37	18" 0.4%	2 INLET		
S-4	3.7	3.7	15	0.5	4.06	8.95	7.5	18" 0.4%	2 INLET		
S-5	3.3	3.3	15	0.5	3.15	7.14	49.5	10.7	(27' to FROM N-1-N-4) 2-42"		
N-1	7.9	7.9	15	0.5	2.78	8.37	6.2	13.5	18" 0.3%	2 @ 0.4	1.2%
N-2	1.5	1.5	15	0.6	4.06	8.95	11.2	24.0	36" 100% 2 JUNCTS BEFORE		1.2%
N-3	1.5	1.5	15	0.5	2.78	8.37	10.7	36.9	24" 0.54% / 10" @ 0.3 2 INLET		
N-4	0.8	0.8	15	0.6	4.06	8.95	1.9	4.5			
N-5	1.3	1.3	15	0.5	4.06	8.95	3.6	8.1			
N-6	2.2	2.2	15	0.5	4.06	8.95	4.6	9.9	24" 0.3% 10" @ 0.3 2 INLET		
N-7	2.0	2.0	10	0.6	3.75	8.37	4.5	9.0			
	14.2	14.2	20	0.54	2.25	3.22	2.2	7.2			

