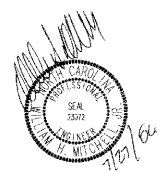



Structure	Area (acres)	C	CA	Inlet Q10 (cfs)	Cum. Q10 (cfs)	Rim or TOC elev. (ft)	Upstream Invert OUT elev. (ft)	Downstream Invert IN elev. (ft)	Pipe Length (ft)	Slope (%)	Pipe Size
CI-36	0.64	0.86	0.55	4.0		369.3					
CI-35	1.26	0.86	1.08	7.8	4.0	364	364.3	359.2	116	4.4%	12 inch
MH-34					11.8	363.5	359	358	48	2.1%	18 inch
MH-33					11.8	364	357.8	353.8	193	2.1%	18 inch
MH-32	0.27	0.86	0.23	1.7	11.8	363	353.6	350.5	148	2.1%	18 inch
CI-31 to CI-13	0.47	0.86	0.40	2.9	13.4	350	350.2	341.2	271	3.3%	18 inch
					16.4		341	340.1	87	1.0%	24 inch
CI-22	0.50	0.86	0.33	3.1		371.5					
CI-21	0.20	0.86	0.25	1.2	3.1	365.25	366.5	361.5	88	5.6%	18 inch
YI-20	0.27	0.86	0.19	1.7	1.2	364.5	361.3	359.7	62	4.1%	18 inch
CI-19	0.18	0.86	0.09	1.1	6.0	366.9	358.6	357.8	80	1.0%	18 inch
CI-18	0.12	0.86	0.09	0.8	7.1	365.4	357.6	356.9	107	1.1%	18 inch
CI-17	0.33	0.86	0.27	2.1	7.9	363.3	356.7	354.7	152	1.2%	18 inch
CI-16	0.14	0.86	0.19	0.9	10.0	356.2	354.5	351.2	73	4.5%	18 inch
CI-15	0.18	0.86	0.15	1.1	10.9	350.8	351	346.2	64	7.5%	18 inch
CI-14	0.54	0.86	0.46	3.4	12.0	346.5	346	342.8	140	2.3%	18 inch
CI-13	0.51	0.86	0.44	3.2	15.4	344.5	342.8	340.1	62	4.0%	18 inch
CI-12	0.51	0.86	0.44	3.2	34.9	337.5	335	324.2	83	13.0%	24 inch
FES-11 to pond					38.1	319	324	319	69	7.2%	24 inch
YI-10, Pond Outlet to MH-2				35.3	35.3	324.25	317.75	317.1	66	1.0%	24 inch
FES-9	4.6	0.7	3.22	23.2	25.0	NA	354	353.2	31	2.6%	24 inch
MH-8					25.0	358.3	353	346.7	107	5.9%	24 inch
YI-7	0.65	0.7	0.46	3.3	30.0	354	346.5	339.45	126	5.6%	24 inch
MH-6					30.0	346	339.25	326.36	299	4.3%	24 inch
MH-5					30.0	337	326.16	318.9	150	4.8%	24 inch
YI-4	2.78	0.7	1.95	14.1	44.1	324	318.7	317.4	126	1.0%	36 inch
MH-3					44.1	325.5	317.3	316.1	100	1.2%	36 inch
MH-2					79.4	323	315.6	314.9	68	1.0%	42 inch
FES-1 to channel					79.4	314.9					



03-58-101A
APPROVED
TOWN OF CARY

APPROVED BY: [Signature] DATE: 5-22-06
 PLANNING: [Signature] DATE: 5-22-06
 ENGINEERING: [Signature] DATE: 5-22-06



BASS, NIXON & KENNEDY, INC.
CONSULTING ENGINEERS
 1000 JAMES HILL ROAD
 WAKE FOREST, NORTH CAROLINA 27807
 *PHONE: (919) 552-1122 or (919) 552-1123
 FAX: (919) 552-1124

JOB NO.	DATE	DRAWN BY	TOWN OF CARY REVIEW COMMENTS	BY
030001	6-2-06	IAN	1 7/27/06 Town of Cary Review Comments	
			2 8/29/06 BASED RIM OF YI-4 TO 340.0	
			3 1/10/06 MODIFY CALCUS TO NEW GRADINE	

STORM SYSTEM DATA

SCALE: AS NOTED

CARY CHURCH OF GOD
 CARY, NORTH CAROLINA

SHEET
 C3.1
 OF