COMPUTED BY: E. PHIPPS DATE: 6-25-04
CHECKED BY: J. RECK DATE: 6-25-04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

KCI Associates of North Carolina, P.A.
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RALEIGH OFFICE
ENGINEERS • PLANNERS • ECOLOGISTS

METRIC

PROJECT REFERENCE NO.: R-2562C
SHEET NO.: 3-B

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) SIZE	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) THICKNESS OR GAUGE	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) THICKNESS OR GAUGE	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE "TOTAL MAX. ANY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')' METERS A 1.50 THRU 3.00	METERS B 3.00 AND ABOVE	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	M.D.I. TYPE "A" STD. 840.17 OR 840.26	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. TYPE "D" STD. 840.19 OR 840.28	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	450MM F.E.S.	M.D.I. TYPE "B" SPECIAL (SEE SHT 2-F)	CORR. STEEL ELBOW NO. & SIZE	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
103+22	CL	14		36.060													1	0.10				1				1								
		14	12		34.460	32.952	Y		82.8																									
102+43	RT	11													4.6																			HEADWALL
		11	12		32.850	32.525	Y		22.8																									
102+40	CL	12		36.125													1	1.50	0.60			1				1								
		12	OUT		32.525	32.123			24																									
102+40	CL	EX																															23	
112+02	RT	31		46.450													1							1										
		31	32		45.866	45.567		36																										
111+64	RT	32		46.151													1							1										
		32	33		45.567	45.492	Y	20.4																										
111+64	CL	33		46.413													1						1											
		33	30		45.492	45.132		32.4																										
111+60	CL	EX																															8	
111+30	LT	29		46.233													1						1											
		29	30		45.395	45.132		21.6																										
111+30	CL	30		45.970													1						1											
		30	28		45.132	42.608	Y	105.6																										
110+50	CL	EX																															11	
110+25	LT	27		44.190													1						1											
		27	28		43.352	42.608	Y	22.8																										
110+25	CL	28		43.930													1						1											
		28	26		42.533	42.167			61.2																									
110+25	LT	EX																															8	
109+64	RT	25																								1								
		25	26		42.200	42.017	Y		24																									
109+64	CL	26		42.830													1							1										
		26	OUT		42.017	41.929				22.8																									
109+70	LT	EX																															17	
112+63	LT	34	EX		45.980	45.897			18																							0.33		PIPE CLEANOUT
112+63	RT	34A	OUT		45.830	45.760			15.6																							0.33		
113+77	RT	35		46.01													1							1										
		35	36		45.426	45.360	Y	22.8																										
113+77	CL	36		46.239													1						1											
		36	39		45.360	44.758		97.2																										
113+82	RT	EX																															6	
113+95	RT	EX																															9	
114+60	LT	37		45.725													1							1										
		37	39		45.141	44.758		27.6																										
114+75	RT	38		45.550													1							1										
		38	39		44.966	44.758		22.8																										
114+75	CL	39		45.600													1							1			1							
		39	41		44.533	44.218	Y			45.6																								
114+80	RT	EX																															8	
SHEET TOTAL								409.2	118.8	68.4	82.8			46.8			4.6		15	1.60	0.60		2	6	6		15		1	1			0.66		90	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
M.D.I.	MEDIAN DROP INLET
M.D.I. (N.S.)	MEDIAN DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUCTION BOX

SYSTIMED CONSOLIDATED