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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SUITE 200, LANDMARK CENTER I
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METRIC

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

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) 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	800 (2.01)	900 (2.01)	1000 (2.77)	1200 (2.77)	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.	C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	FOR DRAINAGE "TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')" METERS A 1.50 THRU 3.00	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. FRAME WITH TWO GRATES STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.D.I. TYPE "B" SPECIAL (SEE SHT 2-P)	375 MM PARALLEL PES 310.02	450 MM PARALLEL PES 310.02	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
115+20	RT	40		45.339																									1							1				1									
		40	41		44.755	44.689			22.8																																								
115+20	CL	41		45.339																									1											1		1							
		41	43		44.218	41.560	Y				24																																						
		42	43		41.950	41.410	Y				36																																						
115+60	RT	EX																																														30	
117+40	LT	47		44.500																									1						1					1									
		47	48		43.662	43.566	Y		32.4																																								
117+20	CL	48		45.446																									1	0.46				1						1									
		48	46		43.491	43.180	Y			80.4																																							
117+20	CL	EX																																														6	
116+57	LT	44		43.950																									1							1				1									
		44	45		43.366	43.321	Y		15.6																																								
116+40	LT	45		43.960																									1							1				1									
		45	46		43.246	43.180	Y			22.8																																							
116+40	CL	46		44.722																									1	0.19				1						1									
		46	43		43.030	41.410	Y				96																																						
116+45	RT	EX																																														6	
115+44	CL	43		45.000																									1	1.50	0.59			1						1									
		43	OUT		41.410	40.795					42																																						
119+55	RT	49		45.350																									1						1					1									
		49	OUT		44.512	43.991			13.2																																		1						
		53	54		43.850	43.641						36																																					
120+10	RT	EX																																														16	
120+40	LT	51		44.640																									1							1				1									
		51	52		44.056	43.961			22.8																																								
120+43	CL	EX																																														13	
120+40	CL	52		44.800																									1						1					1									
		52	54		43.886	43.641	Y			54																																							
119+87.2	CL	54		44.981																									1											1		1							
		54	OUT		43.641	43.391						43.2																																					
120+45	RT	55		44.800																									1							1				1									
		55	OUT		44.216	44.171			15.6																																		1						
120+40	RT	EX																																														9	
		56	57		44.900	44.500	Y			25.2																																							
122+35	CL	57		45.448																									1						1					1									
		57	OUT		44.348	43.550					21.6																																						
122+35	CL	EX																																															REMOVE EXISTING PIPE
124+50	RT	61	OUT																						9.6																			2					
124+50	RT	EX																																														6	
124+58	LT	62	OUT																					6																									
124+80	LT	63	OUT																					6																									
10+25 Y2	LT	64	OUT																						9.6																			2					
SHEET TOTAL									122.4	182.4	219.6	79.2												12	19.2				14	2.15	0.59			3	4	5				14		2	2	4				86	

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