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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METRIC

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

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	400	450	600	800	900	1000	1200	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)	1.50 THRU 3.00	3.00 AND ABOVE	FOR DRAINAGE "TOTAL M. FOR PAY QUANTITY SHALL BE COL. "A" + (1.5 X COL. "B") METERS A	B	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	MDI TYPE "D" SPECIAL (SEE SHT 2-F)	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
SIZE																1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77																											
THICKNESS OR GAUGE		FROM	TO																																														
132+00	CL	84		45.373																				1																									
		84	81		44.429	44.291	Y			46.8																																							
131+54	LT	80		45.000																				1																									
		80	81		44.416	44.366	Y		21.6																																							
131+54	CL	81		45.234																				1																									
		81	79		44.291	43.726				70.8																																							
130+85	CL	79		45.024																				1																									
		79	OUT		43.576	43.500					22.8																																						
134+75	CL	EX																																													6	
135+20	CL	EX																																													6	
134+67	LT	86		45.190																				1																									
		86	87		44.352	44.211	Y		48																																							
135+14	LT	87		44.990																				1																									
		87	89		44.211	44.117	Y		27.6																																							
		88	89		44.250	44.117	Y			28.8																																						
135+30	CL	89		44.93																				1																									
		89	91		44.117	43.634					130.8																																						
136+60	LT	90		44.461																				1																									
		90	91		43.877	43.811	Y		22.8																																							
136+60	CL	91		44.447																				1																									
		91	93		43.634	43.527					30																																						
136+60	RT	EX																																												12	REMOVE HEADWALL
136+70	RT	EX																																												29	REMOVE DI
136+90	RT	92		44.200																				1																									REMOVE HEADWALL STA. 137+02 RT.
		92	93		43.616	43.550	Y		22.8																																						
136+90	CL	93		44.340																				1																									
		93	94		43.527	43.021	Y				130.8																																					
137+35	CL	EX																																												8	
137+35	LT	97	OUT																						9.6																					2			
137+97	RT	93A																																													
137+90	RT	EX																																												10	
138+00	RT	EX																																												17	
138+05	CL	EX																																												7	
138+16	CL	94		43.858																				1																									
		94	96		43.021	43.021					4.8																																					
		95	96		43.400	43.198				26.4																																						
138+20	CL	96		43.858																				1																									
		96	OUT		43.021	42.949					24																																					
		94	OUT		43.021	42.949					24																																					
138+20	RT	EX																																												18	
139+85	RT	98		45.020																				1																									
		98	OUT		44.436	44.029			54																																						
139+75	RT	EX																																												7	
140+75	CL	EX																																												7	
140+84	RT	99		44.830																				1																									
SHEET TOTAL		99	100		44.246	44.154			20.4																																						
									217.2	172.8	367.2														6	9.6																					2			127	

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

REMARKS

6/25/2004
SYSTIME$$$$
DRAWNAME$$$$
USERNAME$$$$