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.
RALEIGH OFFICE
ENGINEERS • PLANNERS • ECOLOGISTS
SUITE 200, LANDMARK CENTER I
4601 SIX FORKS RD.
RALEIGH, N.C. 27609-5210
(919) 783-9214

METRIC

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

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.	CU. METERS C.S.P.	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	METERS (FOR DRAINAGE TOTAL M. FOR PAY QUANTITY SHALL BE COL. 2A + (0.3 X COL. 2B)) 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	M.D.I. TYPE "D" SPECIAL (SEE SHT 2-P)	M.D.I. TYPE "B" SPECIAL (SEE SHT 2-P)	FLOWABLE FILL, M3	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																																															
THICKNESS OR GAUGE		FROM	TO													1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77				R.C.P.	C.S.P.	PER EACH (0 THRU 1.50)	1.50 THRU 3.00	3.00 AND ABOVE																			
150+00	RT	123		44.866																								1						1						1						
		123	124		44.282	44.117	Y		55.2																																					
150+60	RT	124		45.416																								1					1						1						
		124	126		44.117	43.979	Y			21.6																																				
150+60	LT	125		46.150																								1			1	1														
		125	126		45.140	44.054	Y		22.8																																					
150+60	CL	126		45.901																								1	0.42				1						1						
		126	122		43.979	42.322	Y			120																																				
149+40	CL	122		45.124																								1	1.45					1						1						
		122	121		42.172	40.458																																								
148+04	RT	120		41.800																								1						1						1						
		120	121		41.216	40.683			24																																					
148+04	LT	119		41.970																								1						1						1						
		119	121		41.284	40.683			24																																					
148+04	CL	121		41.906																								1				1							1						
		121	118		40.458	38.875					104.4																																			
148+00	CL	EX																																											7	
148+00	RT	EX																																											7	
147+00	LT	117		40.000																								1					1						1						
		117	118		39.416	39.100			24																																					
147+00	CL	118		40.325																								1	0.10			1							1						
		118	OUT		38.725	35.895						38.4																																		
149+95	RT	EX																																											6	
151+60	RT	EX																																											6	
		127	128		45.650	45.584	Y				22.8																																			
152+00	RT	EX																																										2.6		0.05		
152+60	CL	128		46.659																								1						1		1									
		128	129		45.584	45.387					40.8																																			
152+98	CL	129		46.200																								1						1		1									
		129	OUT		45.387	45.318					24																																			
153+74	CL	130		45.620																								1					1						1						
		130	131		44.782	44.582				21.6																																				
153+74	RT	131		45.420																								1					1						1						
		131	132		44.582	44.317				30																																				
153+80	RT	EX																																											5	
154+00	RT	EX																																											7	
154+00	RT	132		45.155																								1					1						1						
		132	134		44.317	44.015				37.2																																				
154+40	CL	133		45.039																								1					1						1						
		133	134		44.201	44.015				24																																				
154+40	RT	134		44.600																								1						1						1						
		134	OUT		43.940	43.900					10.8																																			
154+48	RT	EX																																											7	
155+20	RT	135A	OUT							13.2																																			
155+20	RT	EX																																											5	
SHEET TOTAL										276.0	152.4	192.0	38.4															17	1.97		1	1	3	6	5				16		1	1			2.6		0.05	50	

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

6/29/2004
SHEET NAME
SHEET NUMBER
CONVERSION
USERNAME