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

METRIC

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

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	300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE	300	400	450	600	800	900	1000	1200
								THICKNESS OR GAUGE										1.63	1.63	1.63	1.63	2.01	2.01	2.77	2.77
173+80	CL	174		45.941																					
		174	175		44.188	44.305								80.4											
174+60	CL	175		45.058																					
		175	177		43.305	41.596								85.2											
175+45	LT	176	177		43.180	42.121				24															
175+45	RT	181	OUT																						
175+45	RT	EX																							
175+45	CL	177		43.349																					
		177	178		41.596	41.126	Y							55.2											
176+00	CL	178		42.257																					
		178	180		41.126	40.931								66											
176+60	RT	179		41.740																					
		179	180		41.156	41.135				7.2															
176+60	LT	180		42.690											40.8										
		180	184		40.931	40.811	Y																		
176+75	RT	182	OUT																						
176+75	RT	EX																							
177+00	RT	183		41.830																					
		183	184		41.246	41.225				7.2															
177+00	LT	184		42.830																					
		184	186		40.811	40.631	Y								60										
177+20	RT	189	OUT																						
177+20	RT	EX																							
177+80	RT	185		42.576																					
		185	186		41.992	41.306	Y			4.8															
177+80	LT	186		43.138																					
		186	188		40.631	40.427	Y								68.4										
		187	188		40.454	40.427										27.6									
178+28	CL	188		43.948																					
		188	OUT		40.427	40.383										32.4									
178+30.8	LT	190		43.735																					
		190	OUT		42.897	41.952												18							
179+27.2	LT	191		44.367																					
		191	OUT		43.529	41.845												18							
179+32	CL	194		43.769																					
		194	OUT		40.415	40.325										30									
179+85	RT	EX																							
179+85	RT	192	OUT																						
180+05	RT	EX																							
180+05	RT	193	OUT																						
180+20	CL	195		42.958																					
		195	194		40.937	40.540	Y								90										
180+80	RT	196		43.140																					
		196	197		42.302	41.792	Y			22.8															
SHEET TOTAL										66				286.8	259.2	90		36							

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	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)	METERS 1.50 THRU 3.00	METERS 3.00 AND ABOVE	FOR DRAINAGE TOTAL M. FOR PAY QUANTITY SHALL BE COL. A + (0.3 X COL. 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	375MM FES	M.D.I. TYPE "D" SPECIAL (SEE SHT 2-P)	450 MM PARALLEL PES 310.02	CORR. STEEL ELBOW 400 MM	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
173+80	CL	174							1	0.25					1						1							
		174	175		10.8																				2				8	
174+60	CL	175							1	0.25					1						1							
		175	177																					1					
175+45	LT	176	177																										
175+45	RT	181	OUT																										
175+45	RT	EX																											
175+45	CL	177							1	0.25					1						1							
		177	178																					1					
176+00	CL	178							1												1							
		178	180																										
176+60	RT	179							1									1			1							
		179	180																										
176+60	LT	180							1	0.26														1				
		180	184																										
176+75	RT	182	OUT		8.4																								
176+75	RT	EX																										8	
177+00	RT	183							1									1			1							
		183	184																										
177+00	LT	184							1	0.52														1				
		184	186																										
177+20	RT	189	OUT		9.6																								
177+20	RT	EX																											
177+80	RT	185							1									1			1							
		185	186																										
177+80	LT	186							1	1.01														1				
		186	188																									8	
		187	188																										
178+28	CL	188							1	1.50	0.52			1							1							
		188	OUT																										
178+30.8	LT	190							1							1					1							
		190	OUT	18																					2				
179+27.2	LT	191							1							1					1							
		191	OUT	18																					2				
179+32	CL	194							1	1.50	0.35			1							1							
		194	OUT																										
179+85	RT	EX																										8	
179+85	RT	192	OUT		9.6																								
180+05	RT	EX																										8	
180+05	RT	193	OUT		10.8																								
180+20	CL	195							1	0.52				1							1							
		195	194																										
180+80	RT	196							1							1					1							
		196	197																										
SHEET TOTAL				18	28.8				16	6.06	0.87			6	3	3					13	3	1	1	2	4		40	

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

6/23/04
USER NAME = jreck
DGN = 2562c_sht_3j.dgn
TIME = 08:55:00