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-D

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	
SIZE																											
THICKNESS OR GAUGE																1.63	1.63	1.63	1.63		2.01		2.01		2.77		2.77	
124+40	CL	58		45.730																							
		58	60		44.892	44.278	Y		48																		
		59	60		44.350	44.203	Y			21.6																	
124+88	CL	60		45.400																							
		60	OUT		44.203	43.700				27.6																	
125+90	RT	65	OUT																								
126+22	CL	66		45.342																							
		66	OUT		44.504	43.500			22.8																		
126+25	RT	67	OUT																								
126+84	LT	68		45.080																							
		68	69		44.242	44.167			24																		
126+84	CL	69		45.005																							
		69	OUT		44.167	43.500			22.8																		
126+90	CL	EX																									
128+00	RT	73	OUT																								
128+00	RT	EX																									
128+00	CL	EX																									
127+98	LT	70		44.800																							
		70	71		44.216	43.946			30																		
128+28	LT	71		44.530																							
		71	72		43.946	43.641	Y		22.8																		
128+28	CL	72		44.710																							
		72	OUT		43.566	43.500				22.8																	
128+30	CL	EX																									
129+00	CL	EX																									
		74	75		43.900	43.690				21.6																	
129+15	CL	75		44.350																							
		75	OUT		43.690	43.500				22.8																	
129+15	CL	EX																									
129+65	RT	EX																									
129+80	CL	EX																									
129+90	RT	EX																									
129+90	LT	76		44.570																							
		76	77		43.986	43.794			22.8																		
129+90	CL	77		44.632																							
		77	OUT		43.794	43.500			22.8																		
130+85	LT	78		44.990																							
		78	79		44.152	43.801			21.6																		
132+00	LT	82		45.079																							
		82	84		44.495	44.429	Y		22.8																		
132+05	RT	83		45.490																							
		83	84		44.652	44.429	Y		22.8																		
130+95	RT	85	OUT																								
130+95	RT	EX																									
SHEET TOTAL									283.2	116.4																	

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)	METERS 1.50 THRU 3.00	3.00 AND ABOVE	FOR DRAINAGE "TOTAL M. FOR PAY QUANTITY SHALL BE COL. A + (2X 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	450MM FES	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
					1							1							1							
					1							1							1							
	12																									
					1							1							1							
	6																									
					1							1							1							
					1							1							1							
																									7	
	10.8																							2		
																									8	
																									8	
					1								1						1							
					1								1						1							
																									6	
																									7	
																				1						
					1								1						1							
																									17	
																									4	
																									14	
																									4	
					1								1						1							
					1								1						1							
					1								1						1							
					1								1						1							
					1								1						1							
	10.8																							1		
																									7	
	10.8	28.8			14							9	5					14	1			1	2			82	

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
USER NAME = JSCHRUM
DGN = KCIMETRIC.DGN