6/20/00

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-F

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)	FOR DRAINAGE *TOTAL M. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') METERS 1.50 THRU 3.00 A	METERS 3.00 AND ABOVE 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	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																																										
141+09	RT	100		44.738																										1					1					1						
		100	102		44.154	44.082			24																																				
141+09	LT	101		44.790																										1					1					1						
		101	102		44.206	44.082			20.4																																				
141+09	CL	102		44.920																										1					1					1						
		102	104		44.082	43.661			85.2																																				
141+15	CL	EX																																										7	
141+90	CL	EX																																										12	
141+87	LT	103		44.350																										1					1					1						
		103	104		43.766	43.661			20.4																																				
141+90	CL	104		44.500																										1					1					1						
		104	106		43.586	43.857	Y			82.8																																				
142+20	CL	EX																																										10	
142+73	RT	105		43.501																										1					1					1						
		105	106		42.917	42.857	Y		20.4																																				
142+75	RT	EX																																										6	
143+15	RT	EX																																										8	
142+73	CL	106		44.020																										1					1					1						
		106	109		42.857	42.568	Y			54																																				
143+12	RT	107		43.608																										1					1					1						
		107	108		43.024	42.830			16.8																																				
143+27.5	RT	108		43.415																										1					1					1						
		108	EX		42.755	42.755	Y			1.2																																		0.33		
		EX	109		42.709	42.568	Y			3.6																																		0.33		
143+26.5	CL	109		43.732																										1					1					1						PIPE CLEANOUT
		109	OUT		42.568	42.500					24																																		
144+40	CL	EX																																										8	
144+40	RT	111		42.320																										1					1					1						
		111	112		41.736	41.664	Y		24																																				
144+40	LT	110		42.740																										1					1					1						
		110	112		41.902	41.664	Y		22.8																																				
144+40	CL	112		42.690																										1					1					1						
		112	115		41.664	39.303			140.4																																				
145+40	CL	EX																																										6	
145+80	CL	EX																																										8	
145+80	RT	114		40.120																										1					1					1						
		114	115		39.536	39.303			24																																				
145+80	LT	113		40.280																										1					1					1						
		113	115		39.696	39.303			24																																				
145+80	CL	115		40.523																										1					1					1						
		115	116		39.228	38.448	Y			60																																				
146+40	CL	116		40.140																										1	0.34			1					1						
		116	OUT		38.298	36.050					22.8																																				
146+00	RT	EX																																										50	
146+75	LT	EX																																										1.06		
148+00	CL	EX																																										7	
148+00	RT	EX																																										7	
SHEET TOTAL									422.4	201.6	46.8																			17	0.34			1	6	10			17		145			0.66	1.06	129	

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

USER NAME = MEL PENNINGTON
TIME = 08:15
DGN = 2562C_LOP.DGN