RD203044

COMPUTED BY:	YJA	DATE:	9/14/02
CHECKED BY:	TLS	DATE:	2/22/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-0513BB	3-E

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & UNDER)

STATION / SIZE / THICKNESS OR GAUGE	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C.P. PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	800 (2.01)	900 (2.01)	1000 (2.01)	1200 (2.01)	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	750mm SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P.	C.S.P.	QUANITIES FOR DRAINAGE STRUCTURES *TOTAL (m) FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') PER EACH (0 THRU 1.50)	METERS A 1.5 THRU 3.00	METERS B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND 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	TRAFFIC BEARING DI STD. 840.36 (EA)	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	STL. GRATE & FRAME STD 840.37 (EA)	M.D.I. FRAME WITH GRATES STD. 840.20	CONVERT D.I. TO J.B.	ADJUST D.I.	T.B.J.B. STD 840.34	CONVERT J.B. TO 2GI	PREFORMED SCOUR HOLE	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M^3 STD. 840.72	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
-Y5-15+40	LT	36		52.72																									1										1												1										SEE STD 820.04
-Y5-15+40	LT	36	36C		51.72	44.69											34.8																																							2-400				
-Y5-15+50	LT	36A																																																										7.4	
-Y5- 15+98	RT	36B																																																										5.5	
-RB- 16+34.50	CL	37			44.61	44.46						56.4																																																	
-RA- 10+34	CL	38			44.60	44.49							60.0														2.6																																		
-Y5- 16+92	CL	39			44.44	44.33							52.8														2.6																																	12.0	
-L- 180+30	CL	42		46.87																									1	0.60									1			1																					
-L- 180+30	CL	42	42B		44.78	44.74						25.2																																																	
-L- 180+30	RT	42A	42		44.82	44.78						30.0																																																	
-RD-12+30	CL	43			45.21	45.14						62.4																																																	
-L- 181+60	CL	44		47.90																									1										1			1																					
-L- 181+60	CL	44	44A		46.40	46.01			30.0																																																				
SHEET 12																																																													
-L- 183+80	CL	45		48.21																									1										1			1																					
-L- 183+80	CL	45	45A		46.71	46.18			33.6																																																				
-L- 184+98	CL	46		47.86																									1	0.26									1			1																					
-L- 184+98	RT	46A	46		46.11	46.10					37.2																																																		
-L- 184+98	CL	46	46B		46.1	46.09					33.6																																																		
-L- 185+59	CL	47		47.73																									1										1			1																					
-L- 185+59	CL	47	47A		46.23	46.00			27.6																																																				
SHEET 13																																																													
-L- 186+40	CL	48		47.97																									1										1			1																					
-L- 186+40	CL	48	48A		46.47	46.24			27.6																																																				
-L- 187+30	CL	49		48.39																									1										1			1																					
-L- 187+30	CL	49	49A		46.89	46.69			27.6																																																				
-L- 189+10	CL	50		48.37																									1										1			1																					
-L- 189+10	CL	50	50A		46.87	46.78			27.6																																																				
SHEET 14																																																													
-L- 189+50	CL	51			45.96	45.96							74.4														2.6																																		BURIED 0.15 m BOTH ENDS
-L- 190+00	CL	52		47.94																									1										1			1																					
-L- 190+00	CL	52	52A		46.51	46.39			25.2																																															1					
-L- 190+32	CL	53			45.81	45.81									69.6												9.2																																		Equalizer pipe, buried 0.3 m.@0.0% slope
-L- 190+77	CL	54		47.71																									1										1			1																					
-L- 190+77	CL	54	54A		46.47	46.35			25.2																																															1					
-L- 191+60	CL	55		47.93																									1										1			1																					
-L- 191+60	CL	55	55A		46.86	46.74			26.4																																																				
SHEET 15																																																													
-L-192+80	CL	56		49.30					27.6																				1										1			1																					
-L-192+80	CL	56	56A		47.10	46.97																																																							
-L- 195+28	CL	58			45.81	45.81									66.0												9.2																																		Equalizer pipe, buried 0.3 m @ 0.0% slope
-L- 195+70	CL	59		48.29																									1										1			1																					
-L- 195+70	CL	59	59A		46.79	46.42			27.6																																																				
SHEET TOTALS								0	306.0	0.0	70.8	174.0	187.2	0.0	135.6	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	0.0	14	0.86	0	0				0	0	0	14	0	0	13	0	0	0	0	0	0	0	0	1	0	0	0	0	2	2-400			24.9	

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 JUNCTION BOX