RD214565

COMPUTED BY: DJC DATE: 6/21/2004

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-2552AB	3-C

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

STATION / SIZE / THICKNESS OR GAUGE -L-	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		400 UNCOATED	
THICKNESS OR GAUGE																1.63	1.63	1.63	377		2.01		2.01		2.77		1.63	
45+70.000	CL	56		75.460	73.710																							
		57	56		74.210	73.710					27.6																	
45+70.000	LT	57		75.280	74.210																							
		58	57		81.100	74.210													16.8									
45+70.000	LT	58			81.100																							
		59	56		77.140	73.710						106.8																
46+76.180	CL	59		78.820	77.140																							
		60	59		77.200	77.140			32.4																			
46+69.578	RT	60		77.780	77.200																							
		61	59		77.820	77.140					31.2																	
46+80.972	LT	61		78.890	77.820																							
		62	61		81.250	77.820													9.6									
46+80.972	LT	62			81.250																							
		63	59		82.440	77.140					145.2																	
48+21.582	CL	63		83.890	82.440																							
		64	63		83.420	82.440			22.8																			
48+21.701	RT	64		84.230	83.420																							
		65	64		83.490	83.420			12.0																			
48+20.718	RT	65		84.300	83.490																							
		66	63		83.350	82.440					20.4																	
48+41.000	CL	66		85.560	83.350																							
		67	66		83.480	83.350					32.4																	
48+41.000	LT	67		84.550	83.480																							
		68	67		92.000	83.480													19.2									
48+41.000	LT	68			92.000																							
		69	66		84.950	83.350				40.8																		
48+81.086	CL	69		85.760	84.950																							
		70	69		85.230	84.950			24.0																			
48+81.086	LT	70		86.040	85.230																							
		71	69		87.260	85.230			103.2																			
49+83.529	CL	71		88.100	87.260																							
		72	71		88.010	87.260			21.6																			
49+83.516	RT	72		88.850	88.010																							
		73	71		89.130	87.260			129.6																			
51+12.474	CL	73		90.300	89.130																							
		74	73		89.180	89.130			27.6																			
51+21.329	RT	74		89.760	89.180																							
		75	74		92.770	89.180											10.8											
51+21.329	RT	75			92.770																							
50+24.332	LT	77			86.800																							
		77	76		86.800	84.000							63.6															
51+08.356	LT	79			88.000																							
		79	78		88.000	84.100								98.4														
52+39.251	RT	80		91.090	90.250																							
		81	80		90.250	90.200			14.4																			
SHEET TOTALS								0.0	387.6	40.8	256.8	106.8	63.6	98.4	0.0	0.0	10.8	0.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STATION	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 FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	METERS A 1.5 THRU 3.00	METERS B 3.00 AND ABOVE	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')	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 TWO GRATES STD. 840.20	M.D.I. FRAME WITH TWO GRATES STD. 840.22	TRAFFIC BEARING D.I. STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	J.B. STD. 840.31 OR 840.32	M.D.I. FRAME WITH GRATE STD. 840.22	TRAFFIC BEARING DROP INLET STD. 840.35	TRAFFIC BEARING DROP INLET WITH TWO GRATES STD.840.29	M.D.I. (N.S) FRAME WITH TWO GRATES STD.840.29	M.H. FRAME AND COVER STD. 840.54	O.T.C.B. STD. 840.04 OR 840.05	CONC. APRON FOR DROP INLET	375 mm SLUICE GATE (SEE SHEET 2-G)	900 mm SLUICE GATE (SEE SHEET 2-G)	1050 mm SLUICE GATE (SEE SHEET 2-G AND 2-E)	CONCRETE RISER WITRASH RACK (SEE SHEET 2-E AND 2-F)	LEVEL SPREADER (SEE DETAIL O)	PREFORMED SCOUR HOLE (PSH) SEE SHT. 2-D	BERM DRAINAGE OUTLET (BDO)	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M³ STD. 840.72	CONC. & BRICK PIPE PLUG, M³ STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
45+70.000						1	0.25									1				1																						2GI TYPE A W/FS
45+70.000						1											1			1																						2GI W/FS
45+70.000																																					1		1 @ 600			BDO SEE STD. 850.10 & 850.11
46+76.180						1	0.18									1				1																						2GI TYPE A W/FS
46+69.578						1															1		1																			2GI TYPE D W/FS
46+80.972						1											1			1																						2GI W/FS
46+80.972																																					1		1 @ 600			BDO SEE STD. 850.10 & 850.11
48+21.582						1										1				1																						2 GI TYPE A W/FS
48+21.701						1											1			1																						2 GI
48+20.718						1											1				1																						2 GI
48+41.000						1	0.71									1				1																						2GI TYPE A W/FS
48+41.000						1											1			1																						2GI W/FS
48+41.000																																					1		1 @ 600			BDO SEE STD. 850.10 & 850.11
48+81.086						1											1			1																						2 GI W/FS
48+81.086						1											1			1																						2GI W/FS
49+83.529						1											1			1																						2 GI W/FS
49+83.516						1											1				1																						2 GI
51+12.474						1											1			1																						2 GI
51+21.329						1															1		1																			2 GI TYPE D
51+21.329																																					1		1 @ 400			BDO SEE STD. 850.10 & 850.11
50+24.332				2.1																																						HEADWALL
51+08.356				3.0																																						HEADWALL
52+39.251						1											1			1																						2GI
																																							3 @ 600			
SHEET TOTALS	0.0	0.0	0.0	5.1	0.0	17	1.14	0	0	0	0	0	0	0	4	11	2	2	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1 @ 400				

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