LTNC1005

COMPUTED BY:	LGC	DATE:	2/20/2002
CHECKED BY:	BDS	DATE:	5/20/2002

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-2911A	3-H

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. PIPE (UNLESS NOTED OTHERWISE) 300	375	450	600	750	900	1050	1200	CLASS IV R.C. PIPE 750	900	1200
87+57.829	LT																	
87+90.982	LT																	
87+97.000	LT	141		252.62														
87+97.000	LT	141	142		251.17	251.00					33.6							
88+29.978	LT																	
88+30.000	LT	142		252.47														
88+30.000	LT	142	143		251.00	250.65					42.0							
88+58.439	LT																	
88+71.000	LT	143		252.00														
88+71.000	LT	143	144		250.25	250.15							19.2					
88+71.000	LT	144		252.20														
88+71.000	L/R	144	OUT		250.15	250.00							24.0					
Sheet 27																		
11+01.204-Y2-	LT																	
10+70.748 -Y1-	L/R	145			270.24	270.07				25.2								
10+44.213 -Y1-	LT	146																
10+03.025 -Y1-	LT	147																
10+03.043-Y1-	LT																	
12+85.839-Y1-	LT																	
13+30.623 -Y1-	RT																	
13+30.266 -Y1-	RT	148			272.93	272.83				20.4								
Sheet 28																		
10+54.970-Y3-	RT																	
11+50.000 -Y3-	LT	149			268.60	268.00				18.0								
10+82.203-Y3-	RT																	
10+82.519 -Y3-	RT	150																
10+54.532 -Y3-	RT	151																
10+27.835 -Y3-	RT	152								3.6								
10+12.500 -Y3-	RT	153								3.6								
Sheet 29																		
ELIMINATED		154																
ELIMINATED		155																
Sheet 30																		
ELIMINATED		156																
ELIMINATED		156	157															
ELIMINATED		157																
ELIMINATED		157	OUT															
Sheet 31																		
52+53.790	RT	89A		257.30														
52+53.790	RT	89A	IN		256.60	256.70												
52+46.000	RT	89A	OUT		256.60	256.50				42.0								
10+77.410	LT																	
10+80.415 -Y10-	LT	159																
SHEET TOTALS										112.8	75.6		43.2					
TOTAL								74.4	1141.2	1202.4	1051.2	397.2	242.4	126.0	72.0	57.6	142.8	74.4
SAY																		

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	600	800 (2.01)	800	900 (2.01)	900	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.	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0 THRU 1.50)	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') METERS A 1.5 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOODS STANDARD 840.03 TYPE OF GRATE E	F	G
87+57.829																					
87+90.982																					
87+97.000															1						
87+97.000																					
88+29.978																					
88+30.000															1						
88+30.000																					
88+58.439																					
88+71.000															1	0.25					
88+71.000																					
88+71.000															1	0.55					
88+71.000																					
Sheet 27																					
11+01.204-Y2-																					
10+70.748 -Y1-																					
10+44.213 -Y1-											8.4										
10+03.025 -Y1-											9.6										
10+03.043-Y1-																					
12+85.839-Y1-																					
13+30.623 -Y1-																					
13+30.266 -Y1-																					
Sheet 28																					
10+54.970-Y3-																					
11+50.000 -Y3-																					
10+82.203-Y3-																					
10+82.519 -Y3-										7.2											
10+54.532 -Y3-										7.2											
10+27.835 -Y3-																					
10+12.500 -Y3-																					
Sheet 29																					
ELIMINATED																					
ELIMINATED																					
Sheet 30																					
ELIMINATED																					
ELIMINATED																					
ELIMINATED																					
ELIMINATED																					
Sheet 31																					
52+53.790															1						
52+53.790			19.2																		
52+46.000																					
10+77.410																					
10+80.415 -Y10-										8.4											
SHEET TOTALS			19.2							22.8	18.0				5	0.8					
TOTAL	49.2	177.6	34.8	34.8		18.0		24		62.4	34.8		34.4	2.0	120	10.4	0.6	52	4	23	28
SAY													40.0			12.0					

STATION	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. 840.20	M.D.I. FRAME WITH TWO GRATES STD. 840.20	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	C.B. STD. 840D01 OR STD. 840D02 (SHEET 2R)*	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. STD. 840.34		CONCRETE APRON FOR CB STD. 852.05	CONCRETE APRON FOR DI STD. 852.06										CORR. STEEL ELBOWS NO. & SIZE 300	400	450	600	800	900	CONC. COLLARS CL. "B" M^3 STD. 840.72 450	1200	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
87+57.829																																						7	
87+90.982																																						16	
87+97.000			1							1																													
87+97.000																																							
88+29.978																																						17	
88+30.000			1							1																													
88+30.000																																							
88+58.439																																						21	
88+71.000			1							1																													
88+71.000																																							
88+71.000			1							1																													
88+71.000																																							
Sheet 27																																							
11+01.204-Y2-																																						7	
10+70.748 -Y1-																																							
10+44.213 -Y1-																																							
10+03.025 -Y1-																																							
10+03.043-Y1-																																						7	
12+85.839-Y1-																																						7	
13+30.623 -Y1-																																						18	
13+30.266 -Y1-																																							
Sheet 28																																							
10+54.970-Y3-																																						7	
11+50.000 -Y3-																																							
10+82.203-Y3-																																						7	
10+82.519 -Y3-																																							
10+54.532 -Y3-																																							
10+27.835 -Y3-																																			0.33				
10+12.500 -Y3-																																			0.33				
Sheet 29																																							
ELIMINATED																																							
ELIMINATED																																							
Sheet 30																																							
ELIMINATED																																							
ELIMINATED																																							
ELIMINATED																																							
ELIMINATED																																							
Sheet 31																																							
52+53.790	1	1																																					
52+53.790																																							
52+46.000																																							
10+77.410																																						7	
10+80.415 -Y10-																																							
SHEET TOTALS	1	1	4							4																									0.66			120	
TOTAL	7	7	10	38	1		21	15		13	7					2		7	1										2	21	2	4	2	2	0.66	0.74	0.20	999	
SAY																																			2.0		1.0		

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