RD214565

COMPUTED BY:	DJC	DATE:	6/21/2004
CHECKED BY:	KEM	DATE:	3/15/2005

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

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

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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) SIZE 300	375	450	600	750	900	1050	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE 300	400	450	600		800		900		1000		400 UNCOATED	
THICKNESS OR GAUGE																1.63	1.63	1.63	1.63		2.01		2.01		2.77		1.63	
-L-																												
52+74.139	LT	81		91.110	90.200																							
		81	82		90.200	89.760			105.6																			
53+79.746	CL	82		90.600	89.760																							
		83	82		89.300	89.760				26.4																		
53+79.565	LT	83		90.49	89.300																							
		82	84		89.760	89.500				31.2																		
53+81.000	RT	84			89.500																							
56+19.738	CL	85		89.060	88.250																							
		85	86		88.250	88.160			27.6																			
56+19.700	RT	86		90.510	88.160																							
56+19.700	RT	86	87		88.160	87.400												12.0										
56+80.455	CL	88		88.410	87.230																							
		88	89		87.230	87.000				25.2																		
56+79.408	RT	89		89.840	87.000																							
56+79.025	RT	89	90		87.000	83.900												13.2										
		91	88		87.320	87.230			33.6																			
57+02.138	LT	91		88.160	87.320																							
		92	91		87.920	87.320			20.4																			
57+22.713	LT	92		88.410	87.920																							
		93	88		87.690	87.230			42.0																			
57+22.000	LT	93		88.270	87.690																							
57+77.485	RT	94		88.73	86.740																							
		94	95		86.740	82.400																			69.6			
-Y2-																												
14+25.677	LT	96																										
15+10.852	RT																											
15+13.192	RT	97																										
15+97.408	RT	98			96.398																							
		98	99		96.398	96.000				13.2																		
15+98.007	LT	100			96.536																							
		100	101		96.536	96.710				9.6																		
19+09.793	RT	102		98.150	97.340																							
		102	104		97.340	97.200			20.4																			
19+09.303	LT	104		98.250	97.200																							
		104	105		97.200	95.000											14.4											
19+50.472	RT																											
SHEET TOTALS								0.0	249.6	105.6	0.0	0.0	0.0	0.0	0.0	0.0	14.4	25.2	0.0	0.0	0.0	0.0	0.0	0.0	69.6	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	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 W/TRASH 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
52+74.139						1											1			1																						2GI
53+79.746						1											1			1																						2GI W/FS
53+79.565						1												1		1																						2GI TYPE D
53+81.000																																			1							SEE SHT. 2-C DETAIL O
56+19.738						1											1			1																						2GI W/FS
56+19.700						1	0.85										1		1																						2GI
56+19.700																																				1		1 @ 450				1.2m x 1.2m
56+80.455						1											1			1																						2GI W/FS
56+79.408						1	1.34										1		1																						2GI
56+79.025																																				1		1 @ 450				1.2m X 1.2m
57+02.138						1											1		1																						2GI
57+22.713						1											1		1																						2GI
57+22.000						1											1			1																						2GI
57+77.485						1	0.49								1					1																						2GI TYPE A
																																						1 @ 1000			
-Y2-																																										
14+25.677				8.4																																						DRIVEWAY PIPE
15+10.852																																									9.6	EXISTING 375mm DRIVEWAY PIPE
15+13.192				12.0																																						DRIVEWAY PIPE
15+97.408																																							0.33			EXTEND EXISTING 450mm CROSSLINE
15+98.007																																							0.33			EXTEND EXISTING 450mm CROSSLINE
19+09.793						1																					1	1														2GI
19+09.303						1																					1	1														2GI
																																						1 @ 400			
19+50.472																																									6.0	EXISTING 375mm DRIVEWAY PIPE
																																						1 @ 400			
																																						2 @ 450			
SHEET TOTALS	20.4	0.0	0.0	0	0	13	2.68	0	0	0	0	0	0	0	0	1	9	1	4	7	0	0	0	0	2	2	0	0	0	0	0	0	0	1	2	0	1 @ 1000	0.66		15.6	

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