6/20/00

COMPUTED BY: BAM DATE: 07/01/04
CHECKED BY: DATE:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO. R-2562D | SHEET NO. 3-J

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 (1.63)	400 (1.63)	450 (1.63)	600 (1.63)	800 (2.01)	900 (2.01)	1000 (2.77)	1200 (2.77)	375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm 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.	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 A 1.50 THRU 3.00	B 3.00 AND ABOVE	C.B. STD. 840.01 OR 840.02	FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E	F	G	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	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	STEEL FRAME & GRATE STD. 840.37	FRAME WITH GRATE, STD. 840.29	M.H. FRAME & COVER STD. 840.54	M.D.I. TYPE "D" SPECIAL (SEE SHEET 2-J)	M.D.I. TYPE "B" SPECIAL (SEE SHEET 2-K)	CONCRETE APRON FOR D.I., STD. 852.05	ADJUSTMENT OF CATCH BASINS	PIPE CLEANOUT (meters)	CORR. STEEL ELBOW NO. & SIZE	FLOWABLE FILL (cubic meters)	CONC. COLLARS, CL. "B" m^3 STD.840.72	CONC. & BRICK PIPE PLUG m^3 STD.840.71	PIPE REMOVAL (meters)	REMARKS
		162	161		44.668	44.614				20.4																																																			
LREV 47+00	RT	162		45.522	44.668																								1			1		1																									7.6	SHALLOW
LREV 47+00	RT	162A	162		44.800	44.668				4.8																																																			
		161	163		44.614	44.446				56.4																																																			
LREV 47+56	LT	163		45.400	44.446																								1			1	1																											7.0	SHALLOW
		164	163		44.503	44.446	Y		20.4																																																				
LREV 47+56	RT	164		45.400	44.503																								1			1	1																											6.7	SHALLOW
		163	165		44.446	44.320	Y				44.4																																																		
LREV 48+00	LT		165	45.481	44.320																								1			1		1																									10.7	
LREV 48+00	LT	165A	165		44.750	44.470	Y			6.0																																																			
		166	165		44.566	44.320	Y		20.4																																																				
LREV 48+00	RT	166		45.481	44.566																								1			1			1																									
		165	167		44.320	44.146	Y				58.8																																																		
L2REV 48+59	LT	167		45.515	44.146																								1			1		1																									15.3	
L2REV 48+61	LT	167	167A		44.146	44.104					6.0																																																		
		168	167		44.470	44.296	Y			20.4																																																			
L1REV 48+55	RT	168		45.633	44.470																								1			1			1																									
L1REV 48+55	RT	168A	168		44.500	44.470	Y			6.0																																																			
		169	167		44.413	44.146	Y		40.8																																																				
L2REV 49+00	LT	169		45.406	44.413																								1			1		1																										
		170	169		45.001	44.413	Y		19.2																																																				
L1REV 49+15	LT	170		46.027	45.001																								1																		1		1				1									
L6 17+00	CL	171		46.189	45.223																								1																		1		1				1								22	
		171	172		45.223	45.118	Y		34.8																																																				
L6 16+65	CL	172		46.115	45.118																								1																		1		1				1									
L6 16+51	RT	172	173		45.118	44.700			21.6																																																				
L6 15+18	CL	174									27.6																																																29.3	
L6 15+10	LT	175																						4.8																																				14.4	
L6 13+90	CL	176								24.0																																																			
L1REV 49+83	LT	177		46.190	45.224																								1																		1		1				1									
L1REV 49+83	LT	177	177A		45.224	44.19			25.2																																																					
L2REV 50+04	CL	177B																																																							2.7		.05		
L1REV 50+71	LT	178		46.083	45.116																								1																		1		1				1									
		178	179		45.116	44.794			45.6																																																				
L1REV 51+17	LT	179		45.378	44.794																								1											1				1																			
L1REV 51+17	LT	179	179A		44.794	44.370			26.4																																																				
L1REV 51+26	RT	180																						4.8																																					
L1REV 51+91	RT	181																						4.8																																					
SHEET TOTAL									254.4		136.8													14.4					14			8		4						1				1			5		5				5				2.7			113	
										138.0																							2		2																							.05		

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