RAL_17

COMPUTED BY: BEN CRAWFORD DATE: 8/01

CHECKED BY: TRE DUGAL DATE: 8/01

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO. R-2206B | SHEET NO. 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. PIPE (UNLESS NOTED OTHERWISE) 300	375	375 CLASS IV	450	450 CLASS IV	600	600 CLASS IV	750	750 CLASS IV	750 CLASS V	900 CLASS IV	1050 CLASS IV	1050 CLASS V	1200 CLASS IV	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	1000 2.01	1000	1200 2.01	1200	375mm SIDE DRAIN PIPE	400mm 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 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. 840.20	M.D.I. FRAME WITH TWO GRATES 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		MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54		OPEN-THROAT CB (SEE DETAIL)	450mm CS PIPE 1.63mm THICK	600mm CS PIPE 1.63mm THICK	450mm PERF CS PIPE TEE RISER 1.63mm THICK	600mm PERF CS PIPE TEE RISER 1.63mm THICK	PARALLEL PIPE END SECTION STD. 310.02	SPRING BOX STD. 840.41	CORR. STEEL ELBOWS NO. & SIZE 400	450	800	CONC. COLLARS CL. "B" C.Y. STD. 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
		74	73		229.06	227.16			38.4																																																																			
Y9 17+00.000	LT	75		226.120																																				1	0.100									1				1																						
		75	76		224.520	223.014																					6.0																																																	
L 131+88.000	CL	77	77A		229.7	223.2								97.2																																																													CLASS IV METHOD 'B' INSTALLATION
L 131+90.000	CL	78		233.289																																				1										1				1																						
		78	79		232.476	232.4			19.2																																																																			
L 131+90.000	RT	79		233.841																																				1										1				1																						
		79	80		232.35	227.9																	13.2																																															2						
L 133+60.000	CL	81		236.924																																				1										1				1																						
		81	82		236.111	235.682			25.2																																																																			
L 133+60.000	RT	82		236.496																																				1										1				1																						
		82	83		235.607	235.000					14.4																																																																	
L 135+06.000	CL	84	84A		236.795	229.95								81.6																																																													CLASS IV
L 135+60.000	RT	85		238.550																																				1										1				1																						
		85	86		237.737	236.795			33.6																																																																			
L 138+20.000	RT	87		239.130																																				1										1				1																						
		87	88		238.317	233.81																	15.6																																																								
L 138+69.000	LT	89		238.700																																																																										BDO
		89	90		238.7	235.616																	6.0																																															1						
L 138+69.000	LT	90		236.505																																				1										1				1																						
		90	91		235.566	235.3					30.0																																																																	
L 138+67.000	CL	91		237.845																																				1	1.095									1				1																						
		91	92		235.250	230.900																		36.0																																																2					
L 139+81.5000	CL	93	93A		226.4	224.53													94.8																			3.4																																										CLASS IV, METHOD 'B' INSTALLATION
L 140+40.000	LT	94		234.750																																				1										1				1																						
		94	95		233.937	233.9			10.8																																																																			
L 140+40.000	LT	95		236.658																																				1	1.308									1				1																						
		95	96		233.85	233.8			19.2																																																																			
L 140+40.000	CL	96		236.184																																				1	0.934									1				1																						
		96	97		233.75	233.65			19.2																																																																				
L 140+40.000	RT	97		236.658																																				1	1.500	0.075								1				1																						
		97	98		233.6	233.5			10.8																																																																				
L 140+40.000	RT	98		234.750																																				1										1				1																						
		98	99		233.45	233.1			9.6																																																																			
L 142+60.000	LT	100		233.665																																				1										1				1																						
		100	101		232.852	227.85																	20.4																																															2						
L 142+90.000	LT	102		234.500																																				1										1				1																						
		102	103		233.52	233.981			19.2																																																																			
L 142+90.000	CL	103		233.871																																				1									1				1	1																					3GI
		103	104		232.931	232.679			25.2																																																																				
L 142+90.000	RT	104		234.500																																				1										1				1																						
		104	105		232.629	232.579																	6																																																						
L 142+90.000	RT	105		233.523																																				1										1				1																						
		105	106		232.529	226.420																	46.8																																																							
L 143+13.500	CL	107	107A		226.71	225.42													87.6																			3.4																																										CLASS IV
L 143+50.000	LT	108		233.611																																				1										1				1																						
		108	109		232.798	230.9																	16.8																																															2						
L 145+20.000	CL	110		237.656																																				1										1				1																						
		110	111		236.843	236.75			21.6																																																																			
L 145+27.000	RT	111		238.329																																				1	0.129									1				1																						
SHEET TOTAL							0.0	0.0	252.0	0.0	44.4	0.0	0.0	178.8	0.0	0.0	0.0	0.0	182.4	0.0	0.0	0.0	124.8	36.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	22.0	5.066	0.075	0.0	0.0	0.0	0.0	0.0	0.0	1.0	21.0	0.0	0.0	1.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0	

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