6/20/00

COMPUTED BY: D.M.W. DATE: 9/2004
CHECKED BY: W.C.B. DATE: 12/2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.: R-2552C | SHEET NO.: 3-C

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
Y2 10+91	LT	86	87		87.7	86.2									
L2 129+68	LT	87		87.65	86.2										
L2 129+68	LT	87	88		86.2	86.7				30.0					
L2 129+68	CL	88		87.74	86.7										
L2 12968	CL	88	89		86.7	87.04				28.8					
L2 129+68	RT	89		87.68	87.04										
L2 129+68	RT	89	90		87.04	89.4									
L2 129+68	LT	87	91		86.2	85.73					50.4				
L2 130+20	LT	91		87.18	85.73										
L2 130+20	LT	91	92		85.73	85.6					13.2				
L2 131+49	LT	93	94		83.97	84.42				38.4					
L2 131+49	CL	94		85.72	84.42										
L2 131+49	CL	94	95		84.42	84.85			28.8						
L2 131+49	RT	95		85.66	84.85										
L2 132+60	CL	96		84.23	83.42										
L2 132+60	CL	96	97		83.42	83.3			28.8						
L2 132+60	RT	97		84.15	83.3										
L2 132+60	RT	97	98		83.3	83.15			10.8						
L2 133+36	RT	99			–	–									
L2 133+36	RT	99	100		81.2	81.35			12.0						
L2 133+36	RT	100		83.88	81.35										
L2 133+36	RT	100	101		81.35	81.85			48.0						
L2 133+86	RT	101		83.12	81.85										
L2 133+86	RT	101	102		81.85	82.03			24.0						
L2 133+86	CL	102		82.59	82.03										
L2 133+99	LT	103	104		79.67	79.35									76.8
FLY 0+70	LT	105		83.7	82.89										
FLY 0+70	LT	105	106		82.89	82.66			45.6						
FLY 1+16	LT	106		83.66	82.66										
FLY 1+16	LT	106	107		82.66										
FLY 1+16	LT	107			–	–									
L2 134+55	CL	108		82.29	81.48										
L2 134+55	CL	108	109		81.48	81.25			24.0						
L2 134+55	RT	109		82.51	81.25										
L2 134+55	RT	109	110		81.25	79.6									
FLY 1+80	LT	111	112		81.1	81.88					25.2				
FLY 2+06	LT	112		83.44	81.88										
FLY 2+06	LT	112	113		81.88	82.57				63.6					
FLY 2+68	LT	113		83.46	82.57										
FLY 2+68	LT	113	114		82.57	82.87			27.6						
L2 135+90	RT	114		83.68	82.87										
L2 135+90	RT	115		83.43	82.62										
L2 135+90	RT	115	116		82.62	82.33			28.8						
L2 135+90	RT	116		82.89	82.33										
L2 135+90	RT	116	117		82.33	82.2			9.6						
L2 137+60	CL	118		86.91	86.1										
SHEET TOTAL									288.0	160.8	88.8				76.8

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300	400	450	600	800	900	1000	1200	C.S. PLAIN PIPE 400	450	BITUMINOUS COATED C.S. PIPE TYPE A 400	450	600	800	900	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) R.C.P. (CM)	C.S.P. (CM)
THICKNESS OR GAUGE	1.63	1.63	1.63	1.63	2.01	2.01	2.01	2.01	1.63	1.63	1.63	1.63	1.63	2.01	2.01					
Y2 10+91											8.4									
L2 129+68																				
L2 129+68																				
L2 129+68																				
L2 12968																				
L2 129+68																				
L2 129+68												14.4								
L2 129+68																				
L2 130+20																				
L2 130+20																				
L2 131+49																				
L2 131+49																				
L2 131+49																				
L2 131+49																				
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L2 133+36																				
L2 133+36																				
L2 133+36																				
L2 133+36																				
L2 133+86																				
L2 133+86																				
L2 133+86																				
L2 133+99																			4.6	
FLY 0+70																				
FLY 0+70																				
FLY 1+16																				
FLY 1+16											12.0									
FLY 1+16																				
L2 134+55																				
L2 134+55																				
L2 134+55																				
L2 134+55											7.2									
FLY 1+80																				
FLY 2+06																				
FLY 2+06																				
FLY 2+68																				
FLY 2+68																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 137+60																				
SHEET TOTAL											27.6	14.4							4.6	

STATION	QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50)	METERS A 1.50 THRU 3.00	METERS B 3.00 AND ABOVE	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	B.A.D.I. (SEE SHEET 2-P)	T.B.D.I. STD. 840.36	T.B.D.I. FRAME WITH STEEL GRATE STD. 840.37	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 FLAT GRATES STD. 840.20	M.D.I. FRAME WITH SAG GRATE STD. 840.22	M.D.I. FRAME WITH TWO SAG GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO SAG GRATES STD. 840.24
Y2 10+91																			
L2 129+68	1											1					1		
L2 129+68																			
L2 129+68	1												1				1		
L2 12968																			
L2 129+68	1													1			1		
L2 129+68																			
L2 129+68																			
L2 130+20	1											1					1		
L2 130+20																			
L2 131+49																			
L2 131+49	1												1				1		
L2 131+49																			
L2 131+49	1												1				1		
L2 132+60	1												1				1		
L2 132+60																			
L2 132+60	1												1				1		
L2 132+60																			
L2 133+36																			
L2 133+36																			
L2 133+36	1	1.03											1		1				
L2 133+36																			
L2 133+86	1												1		1				
L2 133+86																			
L2 133+86	1											1					1		
L2 133+99																			
FLY 0+70	1												1		1				
FLY 0+70																			
FLY 1+16	1												1		1				
FLY 1+16																			
FLY 1+16																			
L2 134+55	1												1				1		
L2 134+55																			
L2 134+55	1												1		1				
L2 134+55																			
FLY 1+80																			
FLY 2+06	1	0.6										1					1		
FLY 2+06																			
FLY 2+68	1												1				1		
FLY 2+68																			
L2 135+90	1												1				1		
L2 135+90	1												1				1		
L2 135+90																			
L2 135+90	1													1			1		
L2 135+90																			
L2 137+60	1												1				1		
SHEET TOTAL	21	1.63										4	15	2	5		16		

FOR DRAINAGE *TOTAL M FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')

STATION	J.B. STD. 840.31 OR 840.32	C.B. STD. 840.01 OR 840.02	O.T.C.B. STD. 840.04 OR 840.05	M.H. STD. 840.51, 840.52 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. STD. 840.34	800 x 800 x 800mm PERF. C.S.P. TEE RISER 2.01mm THICK	CONVERT EXISTING D.I. OR C.B. TO J.B. (SEE SHEET 2-AC)	375mm BORE AND JACK SPIRAL WELDED STEEL (7mm THICK)	450mm BORE AND JACK SPIRAL WELDED STEEL (8mm THICK)	600mm BORE AND JACK SPIRAL WELDED STEEL (13mm THICK)	ADJUST EXISTING 2GI	MODIFIED CONCRETE FLUME (SEE SHEET 2-AA)	PREFORMED SCOUR HOLE (SEE REMARKS)	C.S. ELBOWS NO.	SIZE	CONC. COLLARS CL. "B" M3 STD. 840.72	CONC. & BRICK PIPE PLUG, M3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
Y2 10+91															1	400				
L2 129+68																				
L2 129+68																			14.4	
L2 129+68																				
L2 12968																				
L2 129+68																				
L2 129+68															1	450			7.2	
L2 129+68																				
L2 130+20																				
L2 130+20																				
L2 131+49																				
L2 131+49																				
L2 131+49																				
L2 131+49																				
L2 132+60																				
L2 132+60																				
L2 132+60																				
L2 132+60																				
L2 133+36														1						(SEE SHEET 11)
L2 133+36																				
L2 133+36																				
L2 133+36																				
L2 133+86																				
L2 133+86																				
L2 133+86																				
L2 133+99																				
FLY 0+70																				
FLY 0+70																				
FLY 1+16																				
FLY 1+16															2	400				
FLY 1+16														1						(SEE SHEET 11)
L2 134+55																				
L2 134+55																				
L2 134+55																				
L2 134+55																				
FLY 1+80																				
FLY 2+06																				
FLY 2+06																				
FLY 2+68																				
FLY 2+68																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 135+90																				
L2 137+60																				
SHEET TOTAL														2	3	400			21.6	
															1	450				

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
O.T.C.B. OPEN THROATED CATCH BASIN

17-MAR-2005 09:51
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