6/20/00

COMPUTED BY: BW DATE: 05/04
CHECKED BY: LC DATE: 05/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2717	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	C.S. PIPE 150 (1.63)	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 400 (1.63)	450 (1.63)	600 (1.63)	SMOOTH STEEL PIPE 900	1050	PVC PIPE 150	CORRUGATED PLASTIC PIPE 300
-L- 18+49	LT	38	39		264.58	264.60	X	4.8															
-L- 18+49	LT	38	41		264.43	264.20	X			20.4													
-L- 18+45	LT	39	40	265.41	*	*																	
-L- 18+53	RT																						
-L- 18+81	RT																						
-L- 18+69	LT	41		265.22																			
-L- 18+69	LT	41	42		264.05	262.85					28.8												
-L- 18+98	LT	42		265.03																			
-L- 18+98	LT	42	43		263.15	263.28	X	9.6															
-L- 18+98	LT	42	44		262.85	262.82					2.4												
-L- 18+90	LT	43		264.19																			
-L- 19+00	LT	44		265.02																			
-L- 19+00	LT	44	45		262.82	262.78					7.2												
-L- 19+08	LT	45		265.03																			
-L- 19+08	CL	45	46		262.78	262.58	X				20.4												
-L- 19+08	LT	45	51		264.15	264.46			37.2														
-L- 19+08	RT	46		265.03																			
-L- 19+08	RT	46	47		263.96	264.21		6															
-L- 19+08	RT	46	48		262.58	262.46	X				10.8												
-L- 19+02	RT	47		265.02																			
-L- 19+19	RT	48		265.06																			
-L- 19+19	RT	48	49		262.46	262.26	X				14.4												
-L- 19+29	RT	49		264.56																			
-L- 19+29	RT	49	50		263.56	263.62	X	10.8															
-L- 19+29	RT	49	49A		262.26	257.67					121.2												
-Y8- 11+42	RT	49A		258.81																			
-Y8- 11+42	RT	49A	49B		257.67	*					2.4												
-L- 19+38	RT	50		264.43																			
-L- 19+46	LT	51		265.34																			
-L- 19+46	LT	51	52		264.46	264.89			14.4														
-L- 19+55	RT																						
-L- 19+56	LT	52		265.80																			
-L- 19+56	LT	52	53		264.89	264.92			9.6														
-L- 19+66	LT	53		265.80																			
-L- 19+66	LT	53	54		264.99	265.08		14.4															
-L- 19+75	LT	54		265.89																			
-L- 19+93	LT																						
-L- 20+28	LT																						
-L- 20+55	LT																						
-L- 20+75	LT																						
-L- 20+95	LT																						
-L- 20+97	RT																						
-L- 21+10	LT																						
SHEET TOTAL								45.6	61.2	20.4	208.8												

SIZE / THICKNESS OR GAUGE

STATION	LOCATION	FROM	TO	300mm SIDE DRAIN PIPE	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 (EA.)	D.I. FRAME & GRATE STD. 840.16 (EA.)	M.D.I. TYPE "B" STD. 840.18 OR 840.27 (EA.)	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 (EA.)	M.D.I. FRAMES AND WIDE SLOT GRATES STD. 840.22 (EA.)	J.B. STD. 840.31 OR 840.32 (EA.)	M.H. STD. 840.54 (EA.)	J.B. STD. 840.34 (EA.)	DRIVEWAY D.I. STD. 840.30 (EA.)	FRAME & GRATE FOR DRIVEWAY D.I. (meters) STD. 840.30	PARALLEL PIPE END SECTION STD. 310.02 OR 310.04	CROSS PIPE END SECTION STD. 310.03 OR 310.05	POLYMER LINE DRAIN W/WIDE SLOT GRATE SEE DETAIL SHEET (2-H)	PVC 150MM ELBOW NO. & SIZE	CORR. STEEL ELBOW NO. & SIZE	CONC. COLLARS, CL. "B" STD. 840.72 (m^3)	CONC. & BRICK PIPE PLUG (m^3) STD. 840.71	PIPE REMOVAL (meters)	REMARKS
-L- 18+49	LT	38	39																																	
-L- 18+49	LT	38	41																																35.3	
-L- 18+45	LT	39	40							1																1	7.0									
-L- 18+53	RT																																		6.9	
-L- 18+81	RT																																		7.7	
-L- 18+69	LT	41								1			1			1																				
-L- 18+69	LT	41	42																																10.9	
-L- 18+98	LT	42								1	0.68		1	1																						
-L- 18+98	LT	42	43																																	
-L- 18+98	LT	42	44																																	
-L- 18+90	LT	43								1							1	1																		
-L- 19+00	LT	44								1	0.70		1	1																						
-L- 19+00	LT	44	45																																	
-L- 19+08	LT	45								1	0.75		1	1																						
-L- 19+08	CL	45	46																																	
-L- 19+08	LT	45	51																																4.4	
-L- 19+08	RT	46								1	0.95		1	1																						
-L- 19+08	RT	46	47																																	
-L- 19+08	RT	46	48																																	
										1			1	1																						
-L- 19+02	RT	47								1			1	1																						
-L- 19+19	RT	48								1	1.06		1			1																				
-L- 19+19	RT	48	49																																	
-L- 19+29	RT	49								1	0.80		1		1																					
-L- 19+29	RT	49	50																																17.3	
-L- 19+29	RT	49	49A																																	
-Y8- 11+42	RT	49A								1			1		1																					
-Y8- 11+42	RT	49A	49B																														.40			REM CB *TIE TO EXISTING
-L- 19+38	RT	50								1			1			1																				
-L- 19+46	LT	51								1			1		1																				29.3	REM DI
-L- 19+46	LT	51	52																																	
-L- 19+55	RT																																		8.7	
-L- 19+56	LT	52								1			1		1																				19.5	REM CB
-L- 19+56	LT	52	53																																9.3	REM CB
-L- 19+66	LT	53								1			1	1																						
-L- 19+66	LT	53	54																																	
-L- 19+75	LT	54								1			1		1																				32.9	
-L- 19+93	LT																																		5.1	
-L- 20+28	LT																																		12	
-L- 20+55	LT																																		7.6	
-L- 20+75	LT																																		12.2	
-L- 20+95	LT																																		6.1	
-L- 20+97	RT																																		7.1	
-L- 21+10	LT																																		4.5	
SHEET TOTAL										17	4.94		15	7	5	3	1	1							1	7.0						.40		236.8	

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

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