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	3-1

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- 35+10	LT	149	150		256.50	256.74					15.6												
-L- 35+26	LT	150		257.83																			
-L- 35+26	LT	150	151		256.74	256.83					18												
-L- 35+45	LT	151		258.08																			
-L- 35+45	LT	151	152		256.98	257.27	X			20.4													
-L- 35+66	LT	152		258.38																			
-L- 35+66	LT	152	153		257.42	257.59		4.8															
-L- 35+66	LT	152	154		257.27	257.47	X			20.4													
-L- 35+66	LT	153		258.50																			
-L- 35+85	LT	154		258.65																			
-L- 35+85	LT	154	155		257.54	257.56	X		4.8														
-L- 35+85	LT	154	156		257.54	258.09			22.8														
-L- 35+85	LT	155		258.58																			
-L- 36+08	LT	156		258.97																			
-L- 36+08	LT	156	157		258.09	258.76			46.8														
-L- 36+17	RT																						
-L- 36+40	RT																						
-L- 36+55	LT	157		259.64																			
-L- 36+55	LT	157	158		258.76	259.12			24														
-L- 36+80	LT	158		260.00																			
-L- 36+80	CL	158	159		259.12	259.27			19.2														
-L- 36+80	RT	159		260.15																			
-L- 36+80	RT	159	160		259.34	259.40	X	14.4															
-L- 36+95	RT	160		260.21																			
-Y19- 10+18	CL	161	162		257.99	258.57		26.4															
-L- 36+17	RT	162		259.38																			
-L- 37+69	LT	163		259.77																			
-L- 37+69	CL	163	164		258.75	258.65	X		30														
-L- 37+80	RT	164		260.54																			
-L- 37+80	RT	164	165		258.65	258.45	X		56.4														
-L- 38+38	RT	165		259.34																			
-L- 38+38	CL	165	167		258.45	259.23			28.8														
-L- 38+38	RT	165	169		258.45	256.64			79.2														
-DR2- 10+23	RT	166		258.54																			
-DR2- 10+23	RT	166	166A		257.66	257.63			4.8														
-Y21- 11+35	RT	167		260.25																			
-Y21- 11+35	RT	167	168		259.34	259.41		8.4															
-Y21- 11+30	RT	168		260.22																			
-Y21- 10+15	LT	168B																					
-Y21- 10+25	RT	168A																					
SHEET TOTAL								31.2	343.2	40.8	33.6												

STATION	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.)
-L- 35+10															
-L- 35+26							1			1		1			
-L- 35+26															
-L- 35+45							1			1		1			
-L- 35+45															
-L- 35+66							1			1		1			
-L- 35+66															
-L- 35+66															
-L- 35+66							1							1	1
-L- 35+85							1			1		1			
-L- 35+85															
-L- 35+85															
-L- 35+85							1							1	1
-L- 36+08							1			1		1			
-L- 36+08															
-L- 36+17															
-L- 36+40															
-L- 36+55							1			1		1			
-L- 36+55															
-L- 36+80							1			1		1			
-L- 36+80															
-L- 36+80							1			1			1		
-L- 36+80															
-L- 36+95							1			1			1		
-Y19- 10+18															
-L- 36+17							1			1			1		
-L- 37+69							1							1	1
-L- 37+69															
-L- 37+80							1	0.39		1		1			
-L- 37+80															
-L- 38+38							1			1		1			
-L- 38+38															
-L- 38+38															
-DR2- 10+23							1			1		1			
-DR2- 10+23															
-Y21- 11+35							1							1	1
-Y21- 11+35															
-Y21- 11+30							1			1	1				
-Y21- 10+15		6													
-Y21- 10+25		13.2													
SHEET TOTAL		19.2					18	0.39		14	1	10	3	4	4

STATION	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- 35+10																8.8	
-L- 35+66																9.5	
-L- 36+08																6.1	
-L- 36+17															.04	18	
-L- 36+40																11.3	
-Y21- 11+30																24.5	REMOVE SYSTEM & 2 DI's
-Y21- 10+15																6	
-Y21- 10+25																9.6	
SHEET TOTAL															.04	78.2	

(Rows not listed in the last table have no entries in those columns; the third row of that table corresponds to -L- 36+08 LT 156.)

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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