DS21241

COMPUTED BY:	PMW/SHB/RM	DATE:	7/29/2004
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT NO.	SHEET NO.
R-2539C	3-W

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200mm & 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	450 CLASS IV	600	600 CLASS IV	750	750 CLASS IV	900	900 CLASS IV	1050	1050 CLASS IV	1200	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 400 (1.63)
SHEET 27																					
L 236+81	R	430		2.69	1.96																
L 236+81	M	430	431		1.96	1.34	X		15.1												
L 236+81	L	431		2.69	1.34																
L 236+81	L	431	432		1.34	1.23	X							12.0							
L 236+85	L	432		2.45	1.23																
L 236+85	L	432	OUT		1.23	1.21	X							26.4							
L 236+88	L	433			1.78																
L 236+88	L	433	432		1.78	1.23				3.6											
Y24 10+42	M	434												13.2							
SHEET 28																					
Y 12+60	R	436																			
Y 12+82	R	437																			
SHEET TOTALS									15.1	3.6				51.6							
GRAND TOTALS								253.2	1699.2	2117.0		1271.4		1167.6		642.0		346.8		654.0	21.6
SAY								253.2	1699.2	2117.0		1271.4		1167.6		642.0		346.8		654.0	21.6

STATION	DUCTILE IRON PIPE, CLASS 50 (UNLESS NOTED OTHERWISE) 300	400	450	600	750	900	1050	1200		375mm SIDE DRAIN PIPE	450mm SIDE DRAIN PIPE	600mm SIDE DRAIN PIPE	750mm 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 METERS 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
SHEET 27																						
L 236+81																1			1	1		
L 236+81																						
L 236+81																1			1	1		
L 236+81																						
L 236+85																1						
L 236+85																						
L 236+88																						
L 236+88																						
Y24 10+42																						
SHEET 28																						
Y 12+60										9.6												
Y 12+82										7.2												
SHEET TOTALS										16.8						3			2	2		
GRAND TOTALS	3.6	262.8	52.8	338.4	66.0	229.2		121.2		220.8	66.0	46.8	64.8	60.8		377	19.9		230.0	50.0	94.0	86.0
																	21.00					
SAY	3.6	262.8	52.8	338.4	66.0	229.2		121.2		220.8	66.0	46.8	64.8	60.8		377	21		230	50	94	86

STATION	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	T.B.D.I. STD. 840.35 OR 840.36	T.B.D.I. FRAME AND GRATE STD. 840.37	DRIVEWAY D.I.STD. 840.30	DRIVEWAY GRATE & FRAME (M)	MOD. CONC. FLUME W/ CONC. DITCH FOR 750 C&G (SEE DETAIL 2-Z)	J.B. STD. 840.31 OR 840.32	M.H. FRAME AND COVER STD. 840.54	D.I. NARROW FRAME AND GRATE STD. 840.13	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. 840.20	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. FRAME WITH GRATE STD. 840.29	M.D.I. FRAME WITH TWO GRATES STD. 840.29	MOD.CONC. FLUME W/ CONC./RIP RAP DITCH FOR 200X450 CURB (SEE DETAIL 2-AA)	MOD.CONC. FLUME W/ RIP RAP DITCH FOR 750 C&G (SEE DETAIL 2-Z)	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" M^3 STD. 840.72	CONC. & BRICK PIPE PLUG, M^3 STD. 840.71	PIPE REMOVAL (METERS)	REMARKS
SHEET 27																										
L 236+81																								0.05	3.0	REMOVE 450 RCP & EX. CB & PLUG
L 236+81																										
L 236+81																										
L 236+81																										
L 236+85												1						1								
L 236+85																										
L 236+88																							0.33			
L 236+88																									30.6	REMOVE 450 RCP & EX CB
Y24 10+42																									9.0	450 RCP
SHEET 28																										
Y 12+60																										
Y 12+82																									5.7	375 RCP
SHEET TOTALS												1						1					0.33	0.05	48.3	
GRAND TOTALS	121.0	121.0	4.0	4.0	5.0	49.5	3.0	3.0	3.0		12.0	2.0						1.0	13.0	2.0	1.0		4.9	2.3	2897.3	
SAY	121	121	4	4	5	50	3	3	3		12	2						1	13	2	1.0		5	3	2898	

ABBREVIATIONS

C.B.	CATCH BASIN
B.D.O.	BERM DRAIN OUTLET
D.I.	DROP INLET
M.D.I.	MEDIAN DROP INLET
O.T.C.B.	OPEN THROAT CATCH BASIN
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX