DS21241

COMPUTED BY:	PMW/SHB	DATE:	7/29/2004
CHECKED BY:	DCK	DATE:	7/29/2004

METRIC

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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	DUCTILE IRON PIPE, CLASS 50 (UNLESS NOTED OTHERWISE) 300	400	450	600	750	900	1050	1200
SIZE / THICKNESS OR GAUGE																													
SHEET 12																													
L 181+92	L	52																											
L 182+55	L	53																											
L 184+25	R	54																											
L 184+25	R	54	OUT		2.91	2.89												13.2											
L 184+81	L	55																											
SHEET 13																													
L 186+20	L	56																											
L 186+45	L																												
Y2 12+50	M	57	OUT		3.12	3.00						48.0																	
Y2 12+64	M																												
Y3 10+11	M																												
Y3 10+56	R	58																											
L 187+12	R	59																											
L 187+12	R	59	60		2.48	2.41	X																						30.0
L 187+44	R	60		4.11																									
L 187+44	R	60	61		2.41	2.39																							4.8
L 187+48	R	IN	61		3.09	2.99																		25.2					
L 187+48	R	61		4.08																									
L 187+48	R	61	62		2.39	2.35																							18.0
L 187+60	R	62		4.06																									
L 187+60	R	62	63		2.35	2.31																							14.4
L 187+76	R	63		4.08																									
L 187+76	R	64		4.06																									
L 187+76	R	64	63		2.35	3.14																	4.8						
L 187+76	R	63	65		2.31	2.26	X																						22.8
L 187+99	R	65		4.05																									
L 187+99	R	65	66		2.26	2.20																							19.2
L 188+19	R	66		3.73																									
L 188+19	R	66	OUT		2.20	2.16																							12.0
L 188+88	R	67																											
L 188+88	R	67	OUT		2.07	2.06																							
SHEET 14																													
L 189+32	L	68																											
L 189+31	R	69																											
L 189+31	R	69	OUT		2.01	2.00														6.0									
L 189+61	R																												
L 190+28	R	70																											
L 190+28	R	70	OUT		2.46	2.43														15.6									
L 191+34	L	71																											
L 191+52	L																												
SHEET TOTALS												48.0						13.2		21.6			4.8	25.2					121.2

STATION	FROM	TO	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	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)
SHEET 12																																				
L 181+92	52				7.2																															
L 182+55	53				10.8																															
L 184+25	54						3.4																													
L 184+25	54	OUT																																		
L 184+81	55				10.8																															
SHEET 13																																				
L 186+20	56				8.4																															
L 186+45																																				
Y2 12+50	57	OUT																																		
Y2 12+64																																				
Y3 10+11																																				
Y3 10+56	58		7.2																																	
L 187+12	59						4.6																													
L 187+12	59	60																																		
L 187+44	60								1	0.20																	1								1		
L 187+44	60	61																																		
L 187+48	IN	61																																		
L 187+48	61								1	0.14																	1								1		
L 187+48	61	62																																		
L 187+60	62								1	0.21																	1								1		
L 187+60	62	63																																		
L 187+76	63								1	0.27																	1								1		
L 187+76	64								1							1	1																				
L 187+76	64	63																																		
L 187+76	63	65																																		
L 187+99	65								1	0.30																	1								1		
L 187+99	65	66																																		
L 188+19	66								1	0.03																	1								1		
L 188+19	66	OUT																																		
L 188+88	67						4.6																													
L 188+88	67	OUT																																		
SHEET 14																																				
L 189+32	68					12.0																														
L 189+31	69						4.6																													
L 189+31	69	OUT																																		
L 189+61																																				
L 190+28	70						4.6																													
L 190+28	70	OUT																																		
L 191+34	71					14.4																														
L 191+52																																				
SHEET TOTALS			7.2		37.2	26.4	21.8		7	1.14						1	1										6								6		

STATION	FROM	TO	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 12							
L 181+92	52					6.0	600 RCP
L 182+55	53					9.9	600 RCP
L 184+25	54						
L 184+25	54	OUT				9.8	600 RCP
L 184+81	55					4.7	450 RCP
SHEET 13							
L 186+20	56					6.2	600 RCP
L 186+45						7.6	600 RCP
Y2 12+50	57	OUT					
Y2 12+64					0.16		PLUG 600 RCP
Y3 10+11					0.26		PLUG 750 RCP
Y3 10+56	58					6.3	375 RCP
L 187+12	59						
L 187+12	59	60					
L 187+44	60						SDB (SEE SEALED DRAINAGE SPECIAL PROVISION)
L 187+44	60	61					
L 187+48	IN	61				11.8	375 RCP
L 187+48	61						SDB (SEE SEALED DRAINAGE SPECIAL PROVISION)
L 187+48	61	62					
L 187+60	62						SDB (SEE SEALED DRAINAGE SPECIAL PROVISION)
L 187+60	62	63				12.3	750 RCP
L 187+76	63						SDB (SEE SEALED DRAINAGE SPECIAL PROVISION)
L 187+76	64						
L 187+76	64	63					
L 187+76	63	65					
L 187+99	65						
L 187+99	65	66				12.2	750 RCP
L 188+19	66						SDB (SEE SEALED DRAINAGE SPECIAL PROVISION)
L 188+19	66	OUT					
L 188+88	67						
L 188+88	67	OUT				6.2	600 RCP
SHEET 14							
L 189+32	68					14.5	600 RCP
L 189+31	69						
L 189+31	69	OUT					
L 189+61						2.3	900 CMP
L 190+28	70						
L 190+28	70	OUT				6.2	750 RCP
L 191+34	71					13.4	600 RCP
L 191+52						13.4	600 RCP
SHEET TOTALS					0.42	142.8	

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
S.D.B.	SEALED DRAINAGE BOX