D11CAD212280

COMPUTED BY: D. E. Wilson DATE: 8/31/04

CHECKED BY: J. L. Laws DATE: 8/31/04

PROJECT NO.	SHEET NO.
R-3427	3-F

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & 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) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE
-L- 163+80	CL	124			952.97	952.30				60																
-Y4- 10+30	LT	125																						28		
-L- 10+90	LT	126																						28		
-Y5- 11+30	LT	127																						28		
-L- 13+80	LT	128																						40		
-L- 172+67	RT	129																						28		
-L- 179+90	LT	130																						28		
-L- 180+90	LT	131																						44		
-L- 181+20	RT	132																							28	
-L- 181+85	LT	133																						28		
-L- 184+30	CL	134			938.70	922.80				84																
-L- 188+65	CL	135			923.44	913.20																				
-L- 189+00	LT	137	136		927.25												40									
-L- 189+00	LT	137		929.99	927.25																					
-L- 191+25	LT	138																						28		
-L- 192+00	RT	139																						28		
-L- 192+60	LT	140																						28		
-L- 193+45	RT	141																						48		
-L- 194+10	LT	142																						28		
-L- 194+80	CL	143			918.10	915.00				56																
-L- 195+90	RT	144																						28		
-L- 196+00	LT	145																						28		
-L- 196+20	LT	146																							56	
-L- 197+20	RT	147																						28		
-L- 198+00	RT	148																						28		
SHEET TOTALS										200							40							524	84	

STATION	STRUCTURE NO.	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. FT. A 5.0' THRU 10.0'	B 10.0' 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	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. (N.S.) FRAME WITH TWO GRATES STD. 840.29	M.D.I. FRAME WITH TWO GRATES STD. 840.22	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B. J.B. STD. 840.34	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	T.B. D.I. STD. 840.35	24" WELDED STEEL PIPE, 0.375" THICK, GRADE B, INSTALLED BY BORING & JACKING	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN. FT.	REMARKS
-L- 163+80	124																														REMOVE EXIST. PIPE
-Y4- 10+30	125																														
																													0.09		PLUG 15" -Y4- CL 12+75
-L- 10+90	126																														
-Y5- 11+30	127																													23	15" RCP
-L- 13+80	128																														
-L- 172+67	129																														
-L- 179+90	130																													23	15" RCP
-L- 180+90	131																														
-L- 181+20	132																													28	15" RCP
-L- 181+85	133																														
-L- 184+30	134																														REMOVE EXIST. PIPE
-L- 188+65	135																									96					BORE & JACK
																													0.13		PLUG 18" -L- 188+67
-L- 189+00	137																										2 (15)				
-L- 189+00	137			1												1									1						
-L- 191+25	138																														
-L- 192+00	139																														
-L- 192+60	140																														
-L- 193+45	141																														
-L- 194+10	142																													28	12" RCP
-L- 194+80	143																														REMOVE EXIST. PIPE
-L- 195+90	144																													27	15" RCP
-L- 196+00	145																														(DISHER ROAD)
-L- 196+20	146																													67	18" RCP
-L- 197+20	147																													28	15" RCP
-L- 198+00	148																													29	15" RCP
SHEET TOTALS				1												1									1	96	2(15)		0.22	253	

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 JUNCTION BOX