RALC8W5W41

COMPUTED BY: C. HIGHFILL DATE: 7/30/2004

CHECKED BY: D. BASS DATE: 7/30/2004

PROJECT NO.	SHEET NO.
R-2911D	3-C

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	WELDED STEEL 24" .500
260+00 L	RT	29	32		678.25	677.67				68													
260+00 L	RT	32		689.2	677.67																		
259+76 L	RT	32	33		677.67	670.5												40					
261+73 L	LT	34	35		694.75	688.4											20						
261+73 L	LT	35		690.57	688.4																		
261+75 L	LT	35	36		688.4	687.99				12													
261+75 L	LT	36	37	collar	687.99	679.65																	
261+94 L	CL	37		682.92	679.65																		
261+98 L	RT	37	38		679.65	672.3				104													
261+25 L	CL	39		689.02	685.28																		
261+76 L	RT	39	40		685.28	670.7											124						
261+27 L	CL	41	39		686.16	685.28			292														
264+18 L	CL	41		691.96	685.28																		
264+18 L	CL	42	41		689.39	686.16			80														
264+50 L	LT	42		693.43	689.39																		
264+18 L	RT	43		690.41	688.49																		
264+18 L	CL	43	41		688.49	686.19				76													
266+40 L	CL	44		694.25	690.48																		
264+18 L	CL	44	41		690.48	686.16			220														
266+40 L	RT	45		692.63	690.71																		
266+40 L	45	44		690.71	690.48			76															
263+28 L	CL	46		686.11	682.84																		
262+70 L	RT	46	47		682.84	676.2				128													
263+60 L	LT	48		687.8	682.84					8													
268+47 L	LT	50			692.8																		
268+38 L	CL	50	49		692.8	687.71							112										
268+38 L	CL	49		692.48	687.71																		
267+91 L	RT	49	51		687.71	685							96										
270+58 L	CL	52		696.47	693.2																		
268+38 L	CL	52	49		693.2	687.71				220													
SHEET TOTALS								76	592	616			208				144	40					

STATION	LOCATION	FROM	TO	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES 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. FRAME WITH GRATE STD. 840.20	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	M.D.I. FRAME WITH TWO GRATES STD. 840.22	J.B. STD. 840.31 OR 840.32	M.D.I. (N.S.) FRAME WITH TWO FLAT GRATES STD. 840.29	MANHOLE STD. 840.51	M.H. STD. 840.51 OR 840.53	M.H. FRAME AND COVER STD. 840.54	18" X 18" X 18" PERFORATED TEE RISER	CONVERT 2GI W/LID TO 2GI W/FRAME AND GRATE	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
260+00 L	RT	29	32																																	
260+00 L	RT	32							1	5.00	1.53								1							1										
259+76 L	RT	32	33																													2 @ 18"				
261+73 L	LT	34	35																													1 @ 15"				
261+73 L	LT	35							1											1		1														
261+75 L	LT	35	36																																	
261+75 L	LT	36	37																														0.4465			
261+94 L	CL	37							1																1											
261+98 L	RT	37	38																																	
261+25 L	CL	39							1										1			1														
261+76 L	RT	39	40																													2 @ 15"				
261+27 L	CL	41	39																																	
264+18 L	CL	41							1	1.68									1			1														
264+18 L	CL	42	41																																	
264+50 L	LT	42							1										1			1														
264+18 L	RT	43							1											1		1														
264+18 L	CL	43	41																																	
266+40 L	CL	44							1										1			1														
264+18 L	CL	44	41																																	
266+40 L	RT	45							1											1		1														
266+40 L	45	44																																		
263+28 L	CL	46							1																1											
262+70 L	RT	46	47																																	
263+60 L	LT	48																															0.4465			
268+47 L	LT	50					3.4																													
268+38 L	CL	50	49																																48	
268+38 L	CL	49							1																1										104	
267+91 L	RT	49	51																																	
270+58 L	CL	52							1																1											
268+38 L	CL	52	49																																	
SHEET TOTALS							3.4		12	6.68	1.53								5	3		7			4	1						3 @ 15" 2 @ 18"	0.893		152	

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