RALC8W5W41

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

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

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

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) SIZE 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) SIZE 12"	15"	18"	24"	30"		36"		42"		WELDED STEEL 24"	
THICKNESS OR GAUGE																.064	.064	.064	.064	.079		.079		.109		.500	
294+50 L	LT	72	74		668.05	665.41			48																		
294+50 L	LT	73	74		671.5	665.41											32										
294+50 L	LT	74		667.33	665.16																						
294+50 L	CL	74	70		665.16	664.15				92																	
294+50 L	CL	75	70		664.5	664.15				92																	
298+50 L	CL	70	78		662.25	657.01							396														
298+50 L	CL	78		662.76	657.01																						
298+32 L	LT	78	77		657.01	656.17							104														
293+21 L	RT	76		drive pipe																							
297+06 L	LT	79		drive pipe																							
300+40 L	LT	81		666.93	664.18																						
300+77 L	LT	81	80		664.08	656											52										
300+00 L	RT	82		666.13	663.38																						
300+00 L	RT	82	83		663.38	655											36										
302+48 L	RT	85		669.13	666.38																						
300+00 L	RT	85	82		666.38	663.38			248																		
302+48 L	LT	84		669.11	667.19																						
302+48 L	RT	84	85		667.19	666.38			108																		
305+82 L	LT	87		671.11	665.29																						
305+82 L	LT	87	86		665.29	656.5												36									
305+84 L	CL	88		668.64	665.64																						
305+82 L	LT	88	87		665.64	665.29				52																	
305+89 L	RT	89		672.14	669.39																						
305+84 L	CL	89	88		669.39	665.64			52																		
309+25 L	CL	91		677.35	672.53																						
305+84 L	CL	91	88		672.53	665.64			340																		
309+25 L	LT	90		674.68	672.76																						
309+25 L	CL	90	91		672.76	672.53			76																		
309+25 L	CL	92	91		675.5	672.53			84																		
314+87 L	CL	94		684.49	680.22																						
SHEET TOTALS									956	236			500				120	36									

STATION	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')	LIN. FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')	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
294+50 L																																		
294+50 L																													1 @ 15"				BDO	
294+50 L						1										1				1														
294+50 L																																		
294+50 L																																		
298+50 L																																40		
298+50 L						1	0.75									1				1														
298+32 L																																		
293+21 L		68																														64		
297+06 L	60																															24		
300+40 L						1										1						1												
300+77 L																													2 @ 15"					
300+00 L						1										1						1												
300+00 L																													2 @ 15"					
302+48 L						1										1						1												
300+00 L																																		
302+48 L						1											1					1												
302+48 L																																		
305+82 L						1	0.82									1						1												
305+82 L																													1 @ 18"					
305+84 L						1										1				1														
305+82 L																																		
305+89 L						1										1						1												
305+84 L																																		
309+25 L						1										1				1														
305+84 L																																60		
309+25 L						1											1			1														
309+25 L																																		
309+25 L																																		
314+87 L						1										1				1														
SHEET TOTALS	60	68				12	1.57								1	9	2		6			6							5 @ 15" 1 @ 18"			188		

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