RAL-M5705,7/2/2004,R:\R2237B\proj\plansheets\Drainage_summaries 06_04.xls

RAL-M5705

COMPUTED BY: WDR DATE:
CHECKED BY: JAB DATE:

PROJECT NO. R-2237B | SHEET NO. 3-N

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	24" .138	30" .079	36" .079	42" .109	48" .109	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.	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	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 TWO GRATES STD. 840.20	M.D.I. FRAME WITH GRATE STD. 840.22	M.D.I. FRAME WITH TWO GRATES STD. 840.22	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.46	M.H. FRAME AND COVER STD. 840.54	SPRING BOX STD. 840.41	6" P.V.C. FOR SPRING BOX	36" BDO SPECIAL DETAIL	24" SMOOTH STEEL PIPE, t=0.5"	36" SMOOTH STEEL PIPE, t=0.5"	DROP INLET STD. 840.14	DROP INLET STD. 840.16	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	FLOWABLE FILL, C.Y.	PIPE REMOVAL LIN. FT.	REMARKS
Sheet 20																																																									
L 211+75	L	137		2527.05																										1								1				1															
L 211+75	L	137	OUT		2524.30	2524.00			12																																																
L 214+38	C																																																						9.2		
L 214+50	R	138		2541.00																										1								1				1															
L 214+50	R	138	139		2538.25	2537.29			92																																															
L 214+50	L	139		2540.04																										1								1		1																	
L 214+50	L	139	OUT		2537.14	2528.00											32																																				2@15"				
L 215+44	L																																																							83	PIPE REMOVAL
L 216+85	L																																																							21	PIPE REMOVAL/DI REMOVAL
L 221+08	L	140		2537.50																										1								1				1															
L 221+08	L	140	141		2534.75	2529.16			144																																															
L 222+28	L																																																							23	PIPE REMOVAL
L 222+50	L	141		2531.76																										1								1				1															
L 222+50	L	141	OUT		2529.01	2512.00											52																																				2@15"				
L 222+23	R	142		2528.20																										1								1				1															
L 222+23	R	142	143		2525.45	2521.66			76																																															
L 223+00	R	143		2524.26																										1								1				1															
Sheet 21																																																									
L 223+00	R	143	OUT		2521.51	2510.00											84																																								
L 223+30	C																																																							100	PIPE REMOVAL
L 225+00	R	144		2518.45																										1								1		1																	
L 225+00	R	144	OUT		2515.55	2474.00											88																																				2@15"				
L 227+50	R	145		2507.17																										1								1		1																	
L 227+50	R	145	OUT		2504.27	2499.00											24																																				1@15"				
L 228+50	L	146		2504.77																										1								1		1																	
L 228+50	L	146	OUT		2501.87	2493.00											40																																				1@15"				
L 231+56	R	147		2500.23																										1								1		1																	
L 231+56	R	147	148		2497.33	2497.13			44																																															
L 232+00	R	148		2500.46																										1								1		1																	
L 232+00	R	148	OUT		2496.98	2397.00											176																																				2@15"				
L 232+50	L	149		2503.92																										1								1				1															
L 232+50	L	149	OUT		2501.17	2496.00			60																																															
L 234+00	R	148A																																												1	52										6" PVC FOR SPRING BOX
L 223+80	C	T7	OUT															32												1																					1	1			2.1		REMOVE TEMP DI, FILL TEMP PIPE
Sheet 22																																																									
L 239+00	R	151A	OUT																						40																																
L 235+62	R																																																							25	PIPE REMOVAL
L 237+66	R	150		2514.34																										1								1				1															
L 237+66	R	150	151		2511.59	2506.06			56																																															
L 238+22	R	151		2516.37																										1	5	0.56						1				1															
L 238+22	R	151	OUT		2505.81	2505.18												4																																							REMOVE DI
L 241+88	R	152		2526.62																										1								1				1															
L 241+88	R	152	153		2523.87	2523.30			80																																															
L 241+88	L	153		2528.99																										1	0.79							1		1																	
L 241+88	L	153	OUT		2523.05	2520.20				32																																														
L 241+96	C																																																					6.3	12	PIPE REMOVAL/HW REMOVAL
L 243+00	L	154		2531.86																										1								1		1																	
L 243+00	L	154	153		2528.96	2523.30			112																																															
SHEET TOTALS									676	32							496	36							40					19	5.79	0.56						18		8		10				1	52				1	1	10@15"		17.6	264	

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