RALC8W5W41

COMPUTED BY: D. W. BASS, PE DATE: 3/21/2005

CHECKED BY: S. A. DRUM, PE DATE: 3/21/2005

PROJECT NO.	SHEET NO.
B-3834	3-A

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"
L 12+45	RT	1													
L 14+35	RT	2													
L 16+88	RT	3		773.00	770.25										
L 16+88	CL	3	4		770.25	770.11	X		40						
L 16+88	LT	4		775.00	770.11										
L 17+65	LT	5	4		774.10	770.11	X			168					
L 18+50	LT	5		777.10	774.10										
L 16+88	LT	4	OUT		770.11	764.50	X								
L 20+00	LT	6													
L 20+00	LT	7													
L 21+00	LT	8													
PROJECT TOTALS									40	168					
SAY									**40**	**168**					

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	24"	30" .079	30"	36" .079	36"	42" .109	42"	WELDED STEEL 24" .500	WELDED STEEL 24"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, 838.11 OR 838.80 (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
L 12+45															36						
L 14+35																52					
L 16+88																			1		
L 16+88																					
L 16+88																			1		
L 17+65																					
L 18+50																			1		
L 16+88			24																		
L 20+00															24						
L 20+00																					
L 21+00															20						
PROJECT TOTALS			24												80	52			3		
SAY			**24**	**UNCOATED**											**80**	**52**			**3**		

STATION	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	T. B. D. I. STD. 840.35 OR 840.36	STEEL FRAME & GRATE STD. 840.37		18" PARELLEL PIPE END SECTION	24" PARALLEL PIPE END SECTION	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 12+45																							2					56	
L 14+35																								2				160	
L 16+88																				1	1								
L 16+88																													
L 16+88																1		1											
L 17+65																												48	
L 18+50					1	1																							
L 16+88																									2 @ 18"				
L 20+00																							2						
L 20+00																											0.045		
L 21+00																							2						
PROJECT TOTALS					1	1										1		1		1	1		6	2	2 @ 18"		0.045	264	
SAY					**1**	**1**										**1**		**1**		**1**	**1**		**6**	**2**	**2 @ 18"**		**0.045**	**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