RAL-M5705

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

PROJECT NO.	SHEET NO.
R-2237B	3-S

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"
Sheet 30															
L 349+65	R	232	OUT		2966.80	2939.00									
L 349+65	R	233		2971.94											
L 349+65	R	233	232		2969.19	2966.95			92						
Sheet 31															
L 350+30	L	234													
L 354+00	C														
SHEET TOTALS									92						
GRAND TOTALS									5140	3688	1600	144	552	104	
SAY TOTALS									5140	3688	1600	144	552	104	

STATION	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	24" .138	30" .079	30"	36" .079	36"	42" .109	42"	48" .109	48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE
Sheet 30																
L 349+65 (232–OUT)		64														
L 349+65 (233)																
L 349+65 (233–232)																
Sheet 31																
L 350+30															24	
L 354+00																
SHEET TOTALS		64													24	
GRAND TOTALS		4228	2496	1240	664	692		40						180	24	
SAY TOTALS		4228	2496	1240	664	692		40						180	24	

STATION	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
Sheet 30									
L 349+65 (232–OUT)									
L 349+65 (233)			1						
L 349+65 (233–232)									
Sheet 31									
L 350+30									
L 354+00									
SHEET TOTALS			1						
GRAND TOTALS	5	7	221	96	14				
SAY TOTALS	5	7	221	95.56	13.58				

STATION	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
Sheet 30																		
L 349+65 (232–OUT)																		
L 349+65 (233)		1				1												
L 349+65 (233–232)																		
Sheet 31																		
L 350+30																		
L 354+00																		
SHEET TOTALS		1				1												
GRAND TOTALS	25	139		76	22	84	40	5		5	260	0	0	0	252	160	8	8
SAY TOTALS	25	139		76	22	84	40	5		5	260	0	0	0	252	160	8	8

STATION	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD. 840.72	FLOWABLE FILL, C.Y.	PIPE REMOVAL LIN. FT.	REMARKS
Sheet 30					
L 349+65 (232–OUT)	2@15"				
L 349+65 (233)					
L 349+65 (233–232)					
Sheet 31					
L 350+30					
L 354+00			5.9		REMOVE HEADWALL
SHEET TOTALS					
GRAND TOTALS			2769	1286	
SAY TOTALS	42@15" 29@18" 11@24" 7@30" 2@36"		280	1290	

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