RAL-M5705

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

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

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
Sheet 12																								
L 116+48	R	80	81		2042.00	2033.25															24			
L 116+50	R	81		2037.37																				
L 115+00	L	77																						
L 115+50	L	78		1990.75																				
L 115+50	L	78	OUT		1986.48	1986.00						16												
L 116+46	L	82		2036.79																				
L 116+46	L	82	78		2032.37	1986.63															144			
L 117+00	L	83		2048.24																				
L 117+00	L	83	82		2045.34	2033.62											52							
Sheet 13																								
L 120+50	R	84		2031.52																				
L 120+50	R	84	86		2028.77	1962.57											228							
L 122+62	R	85	86		1961.40	1960.82							8											
L 122+62	R	85																						
L 122+62	R	86		1965.44																				
L 122+50	L	87		1957.02																				
L 122+50	L	87	OUT		1946.00	1945.50							88											
L 122+99	R	88		2030.35																				
L 122+99	R	88	OUT		2027.45	1988.00											100							
L 122+99	L	89		2030.35																				
L 122+99	L	89	90		2027.45	1966.15											64							
L 122+99	L	90		1969.02																				
L 122+99	L	90	87		1966.00	1954.14											52							
L 124+50	L	91		2029.05																				
L 124+50	L	91	90		2026.30	1966.15											160							
L 124+75	R																							
L 125+00	R	92		2030.40																				
L 125+00	R	92	91		2027.65	2026.45			108															
L 127+00	L	93		2038.15																				
L 127+00	L	93	94		2035.25	2026.15											20							
L 127+00	L	94		2029.02																				
L 127+00	L	94	OUT		2026.00	1977.00											132							
L 128+44	C																							
L 128+72	R	95	96		2011.50	2007.65					52													
L 128+45	R	96		2011.27																				
L 128+45	R	96	OUT		2007.50	1976.10																		
L 129+00	C																							
L 129+72	R	97		2042.37																				
L 129+72	R	97	96		2039.62	2008.40											132							
L 130+70	L	98		2047.30																				
L 130+70	L	98	OUT		2044.40	2021.00											44							
L 132+00	L	99		2047.75																				
L 132+00	L	99	OUT		2045.00	1998.00											116							
L 123+00	C	T4	89															32						
SHEET TOTALS									108		52	16	96				1100	32			168			

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.	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 12																																	
L 116+48																													1@30"				
L 116+50						1													1														
L 115+00						1																1	72										6" PVC FOR SPRING BOX
L 115+50						1													1														J.B. W / SLAB LID
L 115+50																																	
L 116+46						1														1													T.B.J.B.
L 116+46																													1@30"				
L 117+00						1								1		1																	
L 117+00																																	
Sheet 13																																	
L 120+50						1								1				1															
L 120+50																																	
L 122+62																																	
L 122+62					3.4																												HEADWALL
L 122+62						1													1														J.B. W / SLAB LID
L 122+50						1	5	1.02											1														J.B. W / SLAB LID
L 122+50																																	
L 122+99						1								1		1																	
L 122+99																													2@15"				
L 122+99						1								1		1																	
L 122+99																													2@15"				
L 122+99						1													1														J.B. W / SLAB LID
L 122+99																																	
L 124+50						1								1				1															
L 124+50																																	
L 124+75																																50	PIPE REMOVAL
L 125+00						1								1				1															
L 125+00																																	
L 127+00						1								1		1																	
L 127+00																																	
L 127+00						1													1														J.B. W / SLAB LID
L 127+00																													1@15"				
L 128+44																															19.3		
L 128+72																																	
L 128+45						1													1														J.B. W / SLAB LID
L 128+45																									252								TRENCHLESS CONSTRUCTION
L 129+00																															17		
L 129+72						1								1				1															
L 129+72																																	
L 130+70						1								1		1																	
L 130+70																													1@15"				
L 132+00						1								1				1															
L 132+00																													2@15"				
L 123+00						1																					1	1			2.1		REMOVE TEMP DI, FILL TEMP PIPE
																													8@15"				
SHEET TOTALS					3.4	20	5	1.02						10		5		5	7	1		1	72		252		1	1	2@30"		38.4	50	

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