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W143-2

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-5104	3D-4

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

LINE & STATION	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	C. S. PIPE (SE: SHOP ELONGATED) 12	15	18	24		30			36			42	48	54	60	66	72	78	84			
SIZE																													
THICKNESS OR GAUGE								.064	.064	.064	.064		.079			.079			.109	.109									
		0602B	0604		2196.8	2196.4																							
Y5 11+99	13 RT	0610A		2206.5																									
		0610A	0611A		2202.6	2201.5																							
Y5 11+97	14 LT	0611A		2207.2																									
		0611A	0612A		2202.2	2201.4																							
L 39+35	17 RT	0612A		2205.8																									
		0612A	0612		2201.4	2199.5																							
Y6 12+27.5	24 RT	0621A		2112.7																									
		0621A	0621		2209.7	2208.9																							
Y6 12+27	22 LT	0622A		2212.7																									
		0622A	0622		2205.7	2204.8																							
SHEET TOTALS																													
PROJECT TOTALS								58		48																			

LINE & STATION	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	54	60	66	72	78	84				ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B) A: 0' THRU 5' EACH	A: 5' THRU 10' LIN. FT.	B: 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TB M.H. STD. 840.52 6' DIAMETER	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	15" C.S. ELBOW	18" C.S. ELBOW	24" C.S. ELBOW	30" C.S. ELBOW	OFFSET CB STD. 804.D02	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
	12																																											
Y5 11+99																				1			1																						
		16																																								0.7980			COLLAR AND EXTEND EXISTING PIPE
Y5 11+97																				1			1		1																				
		16																																										
L 39+35																				1																									
		32																																										
Y6 12+27.5																				1			1																						
	28																																										
Y6 12+27																				1	2.0		1		1																			
	28																																										
SHEET TOTALS	68	64																		5	2.0		4		2	2																0.7980			
PROJECT TOTALS	4816	376	292																	80	23.7		59	3	27	30	3	3	4	1				1		1		6	1	7	3		1	10		2		2		1			4.3336			

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT