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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3825B	3D-5

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 / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15	18	24	30	36	42	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
		1106	1107		165.8	156.3	1.4											
L 102+40	90 LT	1108		191.5														
		1108	1109		190.0	186.1	0.3											
L 104+26	54 LT	1109		189.1														
		1109	1110		186.1	178.0	2.0		172									
L 106+00	54 LT	1110		181.0														
		1110	1111		178.0	165.5	2.5											
L 107+80	54 LT	1112		174.9														
		1112	1113		172.1	165.0		44						X			X	X
L 102+53	109 LT	1114		192.3														
Y10A 12+03	18 RT	1115		194.7														
Y10A 12+03	22 LT	1116		193.8														
		1116	1131		185.3	185.3												
Y10A 11+39	17 RT	1117		195.0														
		1117	1115		192.0	187.2												
Y10A 11+56	18 LT	1118		194.4														
Y10A 12+04	18 LT	1119																
		1119	1116		185.4	185.3												
L 112+25	59 RT	1122		166.8														
		1122	1124		164.1	161.8		76										
L 113+02	42 RT	1123		170.2														
		1123	1124		166.0	161.8		32						X			X	X
L 113+02	75 RT	1124		165.4														
		1124	1125		161.8	146.6	0.5	108						X			X	X
L 109+00	66 RT	1126		167.6														
		1126	1127		164.6	164.4			80						X	X		
L 108+17	66 RT	1127		168.7														
		1127	1128		164.4	155.0	0.4		44					X			X	X
Y10A 11+97	22 LT	1131		193.8														
		1131	1118		185.3	184.3												
L 109+00	44 RT	1133		172.3														
		1133	1126		166.8	164.6												
L 111+05	44 RT	1134		169.8														
		1134	1137		167.8	167.6		16										
L 111+68	43 RT	1135		169.6														
		1135	1136		167.7	167.6												
L 111+78	43 RT	1136		169.6														
		1136	1138		167.6	167.3		16										
L 114+75	71 RT	1201		172.2														
		1201	1203		169.4	149.9		48						X			X	X
L 116+00	80 RT	1202		173.1														
		1202	1203		170.3	149.9	1.2	144						X			X	X
L 114+61	116 RT	1203		153.5														
		1203	1204		149.6	145.7	1.8	28						X			X	X
L 119+55	41 RT	1205		188.6														
		1205	1206		185.8	184.4		56										
L 122+50	57 LT	1207		195.7														
		1207	1208		192.9	192.7		44										
L 122+16	84 LT	1208		195.7														
		1208	1211		192.7	190.0												
SHEET TOTALS								612	296									

LINE & STATION / SIZE / THICKNESS OR GAUGE	C. S. PIPE 15	18	24	30	R. C. PIPE CLASS IV 15	18	24	30	36	42	48	WELDED STEEL PIPE GRADE B 0.5" THICK 15	18	24	30	36	42	48	15	18	24	30	36	42	48	15	18	24	30	36	42	48
L 102+40																																
						188																										
L 104+26																																
L 106+00																																
		56																														
L 107+80																																
L 102+53																																
Y10A 12+03																																
Y10A 12+03																																
								4																								
Y10A 11+39																																
					64																											
Y10A 11+56																																
Y10A 12+04																																
								4																								
L 112+25																																
L 113+02																																
L 113+02																																
L 109+00																																
L 108+17																																
Y10A 11+97																																
								40																								
L 109+00																																
						20																										
L 111+05																																
L 111+68																																
					8																											
L 111+78																																
L 114+75																																
L 116+00																																
L 114+61																																
L 119+55																																
L 122+50																																
L 122+16																																
					152																											
SHEET TOTALS	56		80		224	208		48																								

LINE & STATION / SIZE / THICKNESS OR GAUGE	15" TEMPORARY PIPE	18" TEMPORARY PIPE	24" TEMPORARY PIPE	ENDWALLS STD. 826.01 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) 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	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.06 OR STD. 852.05 OR DETAIL SHEET 2C-2	C.B. STD. 852.05	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. (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/ 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	TEMP STEEL PLATE COVER PSH 2C-8	M.H. FRAME AND COVER STD. 840.54	T.B.J.B. SPECIAL DETAIL PSH 2C-6	15" PIPE END SECTION	18" CROSS PIPE END SECTION	ADJUST C.B.	15" DRAINAGE PIPE ELBOW	18" DRAINAGE PIPE ELBOW	24" DRAINAGE PIPE ELBOW	15" C.S. ELBOW	BERM DITCH OUTLET STD. 850.10 (PER EACH)	BERM DITCH OUTLET STD. 850.11 (PER EACH)	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 (L CY	PIPE REMOVAL LIN. FT.	REMARKS
L 102+40																																												Open End
L 104+26							1															1				1																		
L 106+00							1															1				1																		
L 107+80							1															1				1																		
L 102+53							1	0.3											1	1																								
Y10A 12+03							1	3.7		1	1																																	
Y10A 12+03							1	3.5		1	1																																	
Y10A 11+39							1			1			1																															
Y10A 11+56							1	5.0	0.2	1			1																															
Y10A 12+04																																									0.6560			
L 112+25							1															1			1																			
L 113+02							1															1				1																		
L 113+02							1																				1			1														
L 109+00							1															1			1																			
L 108+17							1															1			1																			
																																						1						
Y10A 11+97							1	3.6		1	1																																	
L 109+00							1	0.5														1				1																		
L 111+05							1																1			1																		
L 111+68							1																1			1																		
L 111+78							1																1			1																		
L 114+75							1															1				1																		
																																						2						
L 116+00							1															1			1																			
L 114+61							1																				1			1														
L 119+55							1															1			1																			
																																		1										
L 122+50							1															1			1																			
L 122+16							1												1	1																								
SHEET TOTALS							24	16.6	0.2	5	3	1	1			2	2		12	3		5	10	2				2		1				2	1						0.6560		

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