D3CAD274448

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5103	3D-2

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".

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

STATION -L-	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL
113+00	LT	901		23.9	21.8		
114+30	LT	902		25.2	21.5		
114+50	RT	903		25.2	21.5		
		901	902		21.8	21.5	X
		902	903		21.5	21.5	X
116+15	LT	904		25.4	22.2		
116+15	RT	905		25.4	21.1		
		903	905		21.5	21.1	X
		904	905		22.2	22.1	X
118+40	RT	906		23.4	20.3		
		905	906		21.1	20.6	X
		906	908		20.3	19.7	X
137+00	CL	1103		27.3	24.1		
136+10	LT	1101		26.2	23.0		
136+10	RT	1102		26.7	23.5		
		1103	1101		24.1	23.0	
		1102	1101		23.5	23.0	
133+50	LT	1001		23.0	19.8		
133+05	LT	1002		22.4	16.9		
		1101	1001		23.0	19.8	
		1001	1002		19.8	19.0	
		1003	1002		16.8	16.9	
155+00	RT	1201		32.9	29.9		
152+50	RT	1202		31.9	28.9		
150+85	RT	1203		32.1	27.2		
		1201	1202		29.9	28.9	X
		1202	1203		28.9	27.2	X
150+85	LT	1204		32.3	27.0		
149+55	RT	1205		31.5	28.3		
149+55	LT	1206		31.1	26.6		
		1203	1204		27.2	27.0	X
		1204	1206		27.0	26.6	X
		1205	1206		28.3	27.1	
148+00	LT	1104		28.3	24.3		
145+50	LT	1105		26.2	22.2		
		1206	1104		26.6	24.3	
		1104	1105		24.3	22.2	X
143+70	CL	1106		25.0	20.5		
		1107	1106		22.4	21.5	
		1105	1106		22.2	21.5	X
		1108	1106		23.2	22.0	X
143+70	RT	1109		25.0	20.0		
		1106	1109		20.5	20.0	X
		1109	1110		20.0	19.8	X
SHEET TOTALS							

STATION	FROM	TO	DRAINAGE PIPE (RCP,CSP,CAAP,HDPE,or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"
THICKNESS OR GAUGE															.064	.064	.064	.064	.079	.079	.109	.109															
113+00	901																																				
114+30	902																																				
114+50	903																																				
	901	902																														132					
	902	903																														20					
116+15	904																																				
116+15	905																																				
	903	905																														180					
	904	905																													20						
118+40	906																																				
	905	906																														224					
	906	908																																72			
137+00	1103																																				
136+10	1101																																				
136+10	1102																																				
	1103	1101																													92						
	1102	1101																													20						
133+50	1001																																				
133+05	1002																																				
	1101	1001																													256						
	1001	1002																													44						
	1003	1002																															8				
155+00	1201																																				
152+50	1202																																				
150+85	1203																																				
	1201	1202																														248					
	1202	1203																														164					
150+85	1204																																				
149+55	1205																																				
149+55	1206																																				
	1203	1204																														20					
	1204	1206																															128				
	1205	1206																													20						
148+00	1104																																				
145+50	1105																																				
	1206	1104																															156				
	1104	1105																															248				
143+70	1106																																				
	1107	1106																															60				
	1105	1106																															180				
	1108	1106																													16						
143+70	1109																																				
	1106	1109																																64			
	1109	1110																																	32		
SHEET TOTALS																													468	988	780	136	32		

STATION	FROM	TO	24" WELDED STEEL PIPE, 0.5" THICK	30" WELDED STEEL PIPE, 0.5" THICK	36" WELDED STEEL PIPE, 0.5" THICK	4 SIDE OPEN THROAT CATCH BASIN (SEE DETAIL 2C-6)	ADJUST CB	ADJUST DI	CONVERT TBDI TO TBJB (SEE DETAIL 2C-4)	TEMP. STEEL PLATE COVERS FOR DRAINAGE STRUCTURES (SEE DETAIL 2C-5)	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	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03, TYPE OF GRATE: E	F	G	CONCRETE TRANSITIONAL SECTION: DROP INLET	CATCH BASIN	O.T.C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	GRATE WITH FRAME, DRIVEWAY DROP INLET STD. 840.30	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	T.B.D.I. STD. 840.35	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	M.H. FRAME AND COVER STD. 840.54	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	G.D.I. TYPE "A" STD. 840.17, 840.26	ENERGY DISSIPATOR BASIN	FLOWABLE FILL (CY)	DRAINAGE PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. B C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
113+00	901										1														1				1										
114+30	902										1							1			1	1																	
114+50	903										1							1			1	1																	
	901	902																																					
	902	903																																					
116+15	904										1							1			1	1																	
116+15	905										1							1			1	1																	
	903	905																																					
	904	905																																				126.00	
118+40	906										1														1				1									6.00	Remove 2GI
	905	906																																					
	906	908																																				66.00	
137+00	1103										1							1			1	1																	
136+10	1101										1							1			1	1																	
136+10	1102										1							1			1	1																	
	1103	1101																																					
	1102	1101																																					
133+50	1001										1													1					1										
133+05	1002										1	0.5												1					1									5.00	Remove OTCB
	1101	1001																																					
	1001	1002																																					
	1003	1002																																			0.55	8.00	
155+00	1201										1													1					1										
152+50	1202										1													1					1										
150+85	1203										1							1			1	1																	
	1201	1202																																					
	1202	1203																																					
150+85	1204										1	0.3																	1			1							
149+55	1205										1							1			1	1																	
149+55	1206										1																		1			1							
	1203	1204																																					
	1204	1206																																				120.00	
	1205	1206																																					
148+00	1104										1																		1			1							
145+50	1105										1																		1			1							
	1206	1104																																					
	1104	1105																																					
143+70	1106										1																		1			1							
	1107	1106																																				54.00	
	1105	1106																																					
	1108	1106																																					1108 requires a parallel pipe end section
143+70	1109										1																		1			1							
	1106	1109																																				65.00	
	1109	1110																																				34.00	
SHEET TOTALS											21	0.8						9			9	9		4	2				12			6					0.55	484	

ABBREVIATIONS

C.B.	**CATCH BASIN**
N.D.I.	**NARROW DROP INLET**
D.I.	**DROP INLET**
G.D.I.	**GRATED DROP INLET**
G.D.I.(N.S.)	**(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**