RD261645

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3338B	3D-3

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)

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

Columns: Line & Station / Size / Thickness or Gauge; Offset; Structure Number (From, To); Top Elevation; Invert Elevations; Minimum Required Slope

LINE & STATION	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %
L 32+76	66	LT	0807		35.7			
			0807	0808		32.5	32.5	
L 31+88	69	LT	0809		35.3			
			0809	0810		32.2	31.9	
Y3 15+05	42	LT	0811		34.7			
			0811	0711		31.5	31.5	
34+56	25	LT	0813		35.0			
			0813	0806		32.0	31.6	
L 33+24	41	RT	0814		36.3			
			0814	0815		33.3	32.2	
L 31+89	42	RT	0815		35.2			
			0815	0810		31.0	30.7	
L 33+24	58	RT	0816		37.6			
			0816	0814		34.7	33.6	
L 41+07	50	RT	0901		37.8			
			0901	0902		35.0	34.4	0.4
L 40+97	75	RT	0902		35.9			
			0902	0903		33.4	33.2	
Y4 11+05	19	LT	0903		36.6			
			0903	0904		33.2	32.4	
Y4 11+05	19	RT	0904		36.3			
			0904	0905		32.4	32.4	
10+87	42	RT	0905		36.2			
			0905	0908		32.4	32.2	
L 39+65	62	RT	0908		37.1			
			0908	0910		32.2	32.0	
38+93	75	RT	0909		36.5			
			0909	0910		34.0	34.0	
L 38+93	62	RT	0910		36.8			
			0910	0912		32.0	31.6	
L 37+46	62	RT	0912		36.7			
			0912	0918		31.6	31.3	
L 37+46	75	RT	0919		37.4			
			0919	0912		34.4	33.7	0.3

Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC)

FROM	TO	12	15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
0807	0808		16								X			
0809	0810		20								X			
0811	0711	16									X			
0813	0806													
0814	0815													
0815	0810													
0816	0814	16									X			
0901	0902	28									X			
0902	0903				48						X			
0903	0904													
0904	0905					28					X			
0905	0908					40					X			
0908	0910													
0909	0910	16									X			
0910	0912													
0912	0918													
0919	0912		16								X			
SHEET TOTALS		76	52		48	68								

C. A. A. Pipe; R. C. Pipe Class III, Class IV, Class V; 15" Ductile Iron Pipe; Endwalls

FROM	TO	C.A.A. 12 (.064)	15 (.064)	18 (.064)	24 (.064)	30 (.079)	36 (.079)	42 (.109)	48 (.109)	R.C. CLASS III 12	15	18	R.C. CLASS IV 12	15	18	R.C. CLASS V 12	15	18	24	30	36	42	48	15" DUCTILE IRON PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY
0807	0808																								
0809	0810																								
0811	0711																								
0813	0806																16								
0814	0815																136								
0815	0810																96								
0816	0814																								
0901	0902																								
0902	0903																								
0903	0904																		36						
0904	0905																								
0905	0908																								
0908	0910																			72					
0909	0910																								
0910	0912																				148				
0912	0918																				104				
0919	0912																								
SHEET TOTALS																	248		36	72	252				

Quantities for Drainage Structures (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)); Frame, Grates, and Hood STD. 840.03; Concrete Transitional Section; other items; Remarks

LINE & STATION	FROM	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	GRATE TYPE E	F	G	D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	SPECIAL JUNCTION BOX., SEE SHEET 2C-7	SPECIAL CATCH BASIN, SHEET 2C-1 OR 2C-6	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/ 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	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXSITING J.B. TO 2GI	ADJUST M.H.	ADJUST C.B.	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
L 32+76	0807	1											1	1																					
L 31+88	0809	1											1	1																					
Y3 15+05	0811	1											1	1																					
34+56	0813																															0.3990			REMOVE EXIST. MH
L 33+24	0814	1			1			1																											
L 31+89	0815	1			1			1																											
L 33+24	0816	1											1	1																					
L 41+07	0901	1			1			1																											
L 40+97	0902	1											1	1																					
Y4 11+05	0903	1			1	1																													
Y4 11+05	0904	1			1	1																													
10+87	0905	1											1	1																					
L 39+65	0908	1			1			1																											
38+93	0909	1			1	1																													
L 38+93	0910	1			1			1																											
L 37+46	0912	1	0.1		1	1																													
L 37+46	0919	1			1	1																													
SHEET TOTALS		16	0.1		10	5		5					6	6																		0.3990			