R4L-WS0T8

COMPUTED BY:	MLH	DATE:	09-13-21 Rev 5-6-22
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
I-5987B	3D-25

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	Side Drain Pipe (RCP, CSP, CAAP, HDPE, PVC, or PP PIPE) 15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	C. S. PIPE 15 .064	R. C. PIPE CLASS III 15	18	24	30	36	42	48	R. C. PIPE CLASS IV 15	18	24	30	36	42	48	R. C. PIPE CLASS V 15	18	24
-DET-L4- 1902	LT	T520		164.3																														
-DET-L4- 1902	LT	T521		164.3																														
-DET-L4- 1952	LT	T822		164.0																														
-DET-L4- 1952	LT	T523		164.0																														
TMP-251																																		
LB3 814+47	LT	T525	3012		152.0	151.5		12																										
LB3 819+00	LT	T526	3024		156.8	156.0		4																										
TMP-252																																		
LB3 824+00	LT	T527	3112		162.2	161.5		4																										
TMP-253																																		
LB3 834+00	LT	T528	3222		170.0	169.2		4																										
TMP-254																																		
LB3 845+06	LT	T529	3312		172.4	171.6		4																										
TMP-254/TMP-255																																		
LB3 856+00	LT	T530	3402		172.6	171.7		4																										
TMP-255																																		
	LT	T531	3422		169.7	169.3		12																										
TMP-256																																		
LB3 871+17	LT	T532	3512		170.5	169.0		12																										
TMP-257																																		
LB3 887+50	LT	T533	3652		170.0	168.5		4																										
TMP-258																																		
LB3 899+37	LT	T534	3726		169.2	164.9		4																										
SHEET TOTALS								64																										
PROJECT TOTALS								5296	894	328	40	208	228	1260				70	156	640	360	892	188	168	120	14392	2750	1800	1356	960	660	272	36	76

LINE & STATION	16" WELDED STEEL PIPE 0.25" THICK, GRADE B IN SOIL	18" WELDED STEEL PIPE 0.25" THICK, GRADE B IN SOIL	24" WELDED STEEL PIPE 0.5" THICK, GRADE B IN SOIL	30" WELDED STEEL PIPE 0.5" THICK, GRADE B IN SOIL	36" WELDED STEEL PIPE 0.5" THICK, GRADE B IN SOIL	42" WELDED STEEL PIPE 0.625" THICK, GRADE B IN SOIL	48" WELDED STEEL PIPE 0.625" THICK, GRADE B IN SOIL	16" WELDED STEEL PIPE 0.25" THICK, GRADE B NOT IN SOIL	18" WELDED STEEL PIPE 0.25" THICK, GRADE B NOT IN SOIL	24" WELDED STEEL PIPE 0.5" THICK, GRADE B NOT IN SOIL	30" WELDED STEEL PIPE 0.5" THICK, GRADE B NOT IN SOIL	36" WELDED STEEL PIPE 0.5" THICK, GRADE B NOT IN SOIL	42" WELDED STEEL PIPE 0.625" THICK, GRADE B NOT IN SOIL	48" WELDED STEEL PIPE 0.625" THICK, GRADE B NOT IN SOIL	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) 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 TBDI - SEE DETAIL, SHEET 2B-21	C.B. STD. 852.05	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 W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	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	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TEMP STEEL PLATE COVER MASONRY DRAINAGE	15" C.S. SLOTTED DRAIN PIPE	M.H. FRAME AND COVER STD. 840.54	ADJUST C.B.	ADJUST D.I.	15" SIDE DRAIN PIPE ELBOW	18" SIDE DRAIN PIPE ELBOW	24" SIDE DRAIN PIPE ELBOW	30" SIDE DRAIN PIPE ELBOW	36" SIDE DRAIN PIPE ELBOW	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	PIPE REMOVAL LIN. FT.	REMARKS
-DET-L4- 1902																																		Special Detail - Temp. 1" Steel Cover, See Sheet 2C-3
-DET-L4- 1902																																		Special Detail - Temp. 1" Steel Cover, See Sheet 2C-3
-DET-L4- 1952																																		Special Detail - Temp. 1" Steel Cover, See Sheet 2C-3
-DET-L4- 1952																																		Special Detail - Temp. 1" Steel Cover, See Sheet 2C-3
TMP-251																																		
LB3 814+47																																	12	Pipe Removal: Temporary 15"
LB3 819+00																																	4	Pipe Removal: Temporary 15"
TMP-252																																		
LB3 824+00																																	4	Pipe Removal: Temporary 15"
TMP-253																																		
LB3 834+00																																	4	Pipe Removal: Temporary 15"
TMP-254																																		
LB3 845+06																																	4	Pipe Removal: Temporary 15"
TMP-254/TMP-255																																		
LB3 856+00																																	4	Pipe Removal: Temporary 15"
TMP-255																																		
																																	12	Pipe Removal: Temporary 15"
TMP-256																																		
LB3 871+17																																	12	Pipe Removal: Temporary 15"
TMP-257																																		
LB3 887+50																																	4	Pipe Removal: Temporary 15"
TMP-258																																		
LB3 899+37																																	4	Pipe Removal: Temporary 15"
SHEET TOTALS																															4		64	
PROJECT TOTALS	1056	328	536	288	456	144	160	1056	328	536	288	456	144	160	180.186	476	266.8	41	17	15	9	18		6	25	9	2	19	19	33	3	4	33	354	354	11	1683	7	1	2	108	4	52		2	395	3.5243	9113

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