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R4L-WS090

COMPUTED BY:	SMM	DATE:	6/26/19
CHECKED BY:	JCH	DATE:	6/27/19

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5600	3D-11

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 54 INCHES & OVER)

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, or PVC) 54	60	66	72	78	84	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE 54	60	66	72	78		R. C. PIPE CLASS III 54	60	66	72	78	84		STRUCTURAL PLATE PIPE 60	66	72			57" x 38" C.S. PIPE ARCH CULVERTS, 0.109" THICK	54" WELDED STEEL PIPE 0.5" THICK, GRADE B	72" WELDED STEEL PIPE 0.625" THICK, GRADE B	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	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. 852.04 OR STD. 852.06	C.B. STD. 852.05	J.B. STD. 840.31 OR STD. 840.32	M.H. FRAME AND COVER STD. 840.54	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
Y7RPA 20+96	0 CL	1572			188.0	184.0																					204														9.400															19	SEE SHT. 2C-7 FOR DETAIL
L 163+74	87 LT	1602																																								15.200								1	1								SEE SHT. 2C-10 FOR DETAIL
		1602	1603		180.2																						20														9.400																	SEE SHT. 2C-7 FOR DETAIL
L 198+02	146 LT	1809		195.9																																						15.200								1	1								SEE SHT. 2C-10 FOR DETAIL
		1808	1809		182.5	181.5																					104														7.100													3			33	
		1809	1810		181.5	181.2																																208																			
		1810	1811			181.2																					76																												3.4176			
SR6 13+52	0 CL	2130			186.8	186.5																			92																5.000																	
L 259+45	0 CL	2314			153.2	152.0																																244				5.000															98	
SR7 34+47	42 LT	2604			173.5	173.2																														60				3.290															58	
SHEET TOTALS																									92		404									60	244	208	3.290	35.900	30.400								2	2				3	3.4176		208	
PROJECT TOTALS																									92		404									60	244	208	3.290	35.900	30.400								2	2				3	3.4176		208	

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINUM 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