RD-324440

COMPUTED BY:	HPM	DATE:	03/23/2021
CHECKED BY:	JHA	DATE:	6/7/2021

PROJECT NO.	SHEET NO.
15614.1050014	3D-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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 %	(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	DO NOT USE PVC
761+98 -L-	LT	0410			2336.5															
		0410	0404		2336.5	2298.3						108				X				
761+89 -L-	LT	0404		2303.7	2298.3															
		0404	0411		2298.3	2297.2														
762+00 -L-	RT	0411		2304.0	2297.2															
769+10 -L-	LT	0506		2263.0	2260.0															
		0506	0503		2260.0	2248.0				164							X	X		
770+75 -L-	LT	0503		2251.7	2248.0															
757+50 -L-	LT	0409							52								X	X		
		0401	0402		2353.9	2306.9			104							X				
761+84 -L-	RT	0412		2305.0	?															
		0411	0412		2297.2	2297.0														
SHEET TOTALS									156	164		108								
PROJECT TOTALS									156	164		108								

| STRUCTURE NUMBER | 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 | 48 | ##" x ##" C.S. PIPE ARCH CULVERTS, ##" THICK | ##" x ##" C.S. STRUCTURAL PLATE PIPE ARCH, ## GAUGE | 30" WELDED STEEL PIPE 0.47" THICK, GRADE ## IN SOIL | 30" WELDED STEEL PIPE 0.47" THICK, GRADE ## NOT IN SOIL | ##" WELDED STEEL PIPE ##" THICK, GRADE B (UNDER RR) | DRAINAGE STRUCTURE MASONRY CY | QUANTITIES FOR DRAINAGE STRUCTURES 0' THRU 5' EACH | 5' THRU 10' LIN. FT. | 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 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | CONCRETE BRIDGE APPROACH D.I. STD. 840.13 | 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. (W.S. FLAT) FRAME WITH GRATE STD. 840.20 | G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20 | G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22 | G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22 | 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 | 30" SIDE DRAIN PIPE ELBOW | 15" SIDE DRAIN PIPE 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 CY | CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY | PIPE REMOVAL LIN. FT. | REMARKS |
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