COMPUTED BY:	LMJ	DATE:	7/21/2021
CHECKED BY:	WKJ	DATE:	4/11/2022

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
I-5987A	3D-26

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" | 90" | 96" | C.S. PIPE 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | R.C. PIPE CLASS III 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | R.C. PIPE CLASS IV 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | ###" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | ###" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | ### " WELDED STEEL PIPE ### " THICK, GRADE ## IN SOIL | ### " WELDED STEEL PIPE ### " THICK, GRADE ## NOT IN SOIL | ### " WELDED STEEL PIPE ### " THICK, GRADE B (UNDER RR) | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY | REINFORCED ENDWALLS CY | DRAINAGE STRUCTURE MASONRY | QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. 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 D.I. STD. 852.06 OR STD. 852.04 | C.B. STD. 852.05 | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME AND GRATE STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR 840.26 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. TYPE "D" STD. 840.19 OR 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 | J.B. STD. 840.31 OR 840.32 | T.B.J.B. STD. 840.34 | T.B.G.D.I. STD. 840.35 | T.B.D.I. FOR STEEL GRATES STD. 840.36 | STEEL FRAME AND TWO GRATES STD. 840.37 | M.H. STD. 840.51, STD. 840.52, OR STD.53 | M.H. FRAME AND COVER STD. 840.54 | CONVERT EXISTING D.I. TO J.B. | 15" C.S. ELBOW | 15" SIDE DRAIN PIPE ELBOW | FLOWABLE FILL, C.Y. | PIPE REMOVAL LIN. FT. | REMARKS |
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