1625LR-R00100

| COMPUTED BY: | M Kemp | DATE: | 2/24/2021 |
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| CHECKED BY: | M. Buscemi | DATE: | 2/24/2021 |

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

| PROJECT NO. | SHEET NO. |
|---|---|
| B-5980 | 3D-2 |

**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 % | C. S. PIPE 15 .064 | C. S. PIPE 18 .064 | C. S. PIPE 24 .064 | C. S. PIPE 30 .079 | C. S. PIPE 36 .079 | C. S. PIPE 42 .109 | C. S. PIPE 48 .109 | R. C. PIPE CLASS III 15 | R. C. PIPE CLASS III 18 | R. C. PIPE CLASS III 24 | R. C. PIPE CLASS III 30 | R. C. PIPE CLASS III 36 | R. C. PIPE CLASS III 42 | R. C. PIPE CLASS IV 15 | R. C. PIPE CLASS IV 18 | R. C. PIPE CLASS IV 24 | R. C. PIPE CLASS IV 30 | R. C. PIPE CLASS IV 36 | R. C. PIPE CLASS IV 42 | R. C. PIPE CLASS IV 48 | R. C. PIPE CLASS V 15 | R. C. PIPE CLASS V 18 | R. C. PIPE CLASS V 24 | R. C. PIPE CLASS V 30 | R. C. PIPE CLASS V 36 | R. C. PIPE CLASS V 42 | R. C. PIPE CLASS V 48 | 30" WELDED STEEL PIPE 0.5" THICK, GRADE B IN SOIL | 30" WELDED STEEL PIPE 0.5" THICK, GRADE B NOT IN SOIL | 36" WELDED STEEL PIPE 0.375" THICK, GRADE B IN SOIL | 36" WELDED STEEL PIPE 0.375" THICK, GRADE B NOT IN SOIL | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY | REINFORCED ENDWALLS 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 | | D.I. STD. 852.04 OR STD. 852.06 | CONCRETE TRANSITIONAL SECTION C.B. STD. 852.05 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | 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 "D" STD. 840.19 OR STD. 840.28 | G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27 | 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 | G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24 | 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 | J.B. STD. 840.31 OR STD. 840.32 | T.B.D.I. FOR STEEL GRATES STD. 840.36 | STEEL FRAME WITH TWO GRATES STD. 840.37 | TEMP STEEL PLATE COVER MASONRY DRAINAGE | M.H. STD. 840.51, STD. 840.52, OR STD. 840.53 | M.H. FRAME AND COVER STD. 840.54 | | 15" C.S. ELBOW | ROD AND LUG CONNECTORS | FLOWABLE FILL CY | CONCRETE COLLARS CL. "B" STD. 840.72 CY | PIPE REMOVAL LIN. FT. | REMARKS |
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