COMPUTED BY: EMR	DATE: 12/13/2021	PROJECT NO. U-5899	SHEET NO. 3D-2
CHECKED BY: TJC	DATE: 3/24/2025		

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)

| STATION | LOCATION (LT, RT, OR CL)* | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | C.S.P. 12" .064 | C.S.P. 15" .064 | C.S.P. 18" .064 | C.S.P. 24" .064 | C.S.P. 30" .079 | C.S.P. 36" .079 | C.S.P. 42" .109 | C.S.P. 48" .109 | R.C. PIPE CLASS III 12" | 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 III 48" | R.C. PIPE CLASS IV 12" | 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" | PIPE AS NOTED 15" Welded Steel | PIPE AS NOTED 18" Welded Steel | PIPE AS NOTED 24" Welded Steel | PIPE AS NOTED 30" Welded Steel | PIPE AS NOTED 36" W/5 Pipe in Soil (0.332" Thick) | PIPE AS NOTED 36" W/5 Pipe Not in Soil (0.532" Thick) | PIPE AS NOTED 48" Welded Steel | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P. | ENDWALLS CU. YARDS C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. B 10.0' AND ABOVE | *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE F | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE G | CONCRETE TRANSITIONAL SECTION DROP INLET | CONCRETE TRANSITIONAL SECTION CATCH BASIN | 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. FRAME WITH TWO FLAT GRATES STD. 840.20 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | G.D.I. (N.S.) FR. WITH TWO FLAT GRATES. STD. 840.29 | J.B. STD. 840.31 OR 840.32 | TBJB STD. 840.34 | T.B.D.I. STD. 840.36 | STEEL GRATE AND FRAME STD. 840.37 | M.H. STD. 840.51 OR 840.53 | M.H. FRAME AND COVER STD. 840.54 | ADJUST MANHOLE | CONV DI TO JBMH | BERM DRAINAGE OUTLET | OTCB | FLOWABLE FILL (CY) | 15" C.S. ELBOWS | 18" C.S. ELBOWS | 30" C.S. ELBOWS | 36" C.S. ELBOWS | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | PIPE REMOVAL LIN. FT. | REMARKS |
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