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# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

| PROJECT NO. | SHEET NO. |
|---|---|
| R-3825B | 3D-15 |

**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 % | Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15 | 18 | 24 | 30 | 36 | 42 | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | DO NOT USE PVC | C. S. PIPE 15 .064 | 18 .064 | 24 .064 | 30 .079 | R. C. PIPE CLASS IV 15 | 18 | 24 | 30 | 36 | 42 | 48 | WELDED STEEL PIPE GRADE B 0.5" THICK 15 IN SOIL | 18 IN SOIL | 24 IN SOIL | 30 IN SOIL | 36 IN SOIL | 42 IN SOIL | 48 IN SOIL | 15 NOT IN SOIL | 18 NOT IN SOIL | 24 NOT IN SOIL | 30 NOT IN SOIL | 36 NOT IN SOIL | 42 NOT IN SOIL | 48 NOT IN SOIL | 15" TEMPORARY PIPE | 18" TEMPORARY PIPE | 24" TEMPORARY PIPE | ENDWALLS STD. 826.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY | REINFORCED ENDWALLS CY | DRAINAGE STRUCTURE MASONRY 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 | CONCRETE TRANSITIONAL SECTION D.I. STD. 852.06 OR STD. 852.05 OR DETAIL SHEET 2C-2 | C.B. STD. 852.05 | 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 "B" STD. 840.18 OR STD. 840.27 | G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28 | 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/ 2 GRATES STD. 840.29 | J.B. STD. 840.31 OR STD. 840.32 | T.B.J.B. STD. 840.34 | T.B.D.I. STD. 840.35 | TEMP STEEL PLATE COVER PSH 2C-8 | M.H. FRAME AND COVER STD. 840.54 | T.B.J.B. SPECIAL DETAIL PSH 2C-6 | 15" PIPE END SECTION | 18" CROSS PIPE END SECTION | ADJUST C.B. | 15" DRAINAGE PIPE ELBOW | 18" DRAINAGE PIPE ELBOW | 24" DRAINAGE PIPE ELBOW | 15" C.S. 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 (L CY | PIPE REMOVAL LIN. FT. | REMARKS |
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