COMPUTED BY: DKH DATE 9/14/2023

CHECKED BY: WGC DATE 9/15/2023

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
BR-0046	3D-1

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 | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE | | | | | | | | | | | | C.S. PIPE SIZE | | | | | | | | | R.C. PIPE CLASS III SIZE | | | | | | | | R.C. PIPE CLASS IV SIZE | | | | | | | | R.C. PIPE CLASS V SIZE | | | | | | | | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS | | QUANTITIES FOR DRAINAGE STRUCTURES *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 | | | CONCRETE TRANSITIONAL SECTION | | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME W/ TWO GRATES STD. 840.16 | J.B. STD. 840.31 OR 840.32 | 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 GRATE 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.) FRAME WITH GRATE STD. 840.24 | TB.J.B. STD. 840.34 OR STD. 840.46 | G.D.I. FRAME (N.S. FLAT) W/2 GRATES STD. 840.29 | T.B.D.I. STD. 840.35 | MANHOLE FRAME AND COVER STD. 840.54 | CONVERT 2 GI TO JB w/ MH COVER | DRAINAGE PIPE ELBOWS NO. & SIZE | 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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