COMPUTED BY: Andrew M. Howell DATE: 07 March 2023
CHECKED BY: _____ DATE: _____

PROJECT REFERENCE NO.	SHEET NO.
B-5783	3D-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

STATEWIDE
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

| STATION / SIZE / THICKNESS OR GAUGE | LOCATION (LT,RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | R.C. PIPE (CLASS III) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE (CLASS IV) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 18" R. C. PIPE (CLASS V) | 24" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE | 36" R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | C.S.P. | 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 CATCH BASIN | DROP INLET | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME & 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 WITH TWO GRATES STD. 840.20 | G.D.I. (W.S. SAG) FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S. SAG) FRAME WITH TWO GRATES STD. 840.24 | G.D.I. (N.S. FLAT) FRAME WITH TWO GRATES STD. 840.29 | J.B. STD. 840.31 OR 840.32 | T.B.J.B. STD. 840.34 | T.B.D.I. STD. 840.35 | M.H. FRAME & COVER STD. 840.54 | O.T.C.B. STD. 840.04 OR 840.05 | 15" SIDE DRAIN PIPE ELBOW | TEMPORARY 1" STEEL COVER OVER DRAINAGE STRUCTURE DTL 2C-1 | | | FLOWABLE FILL C.Y. | PIPE REMOVAL LIN. FT. | REMARKS |
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