COMPUTED BY: RWP DATE: 2/18/2014

CHECKED BY: RSW DATE: 6/24/2014

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".

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STATEWIDE

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

PROJECT NO. R-2603 | SHEET NO. 3D-9

| STATION / SIZE / THICKNESS OR GAUGE | 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) 12" | 15" | 18" | 24" | 30" | 36" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE 15" .064 | 18" .064 | 24" .064 | 36" .079 | 42" .109 | 48" .109 | R.C. PIPE CLASS III 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS IV 15" | 18" | 24" | 30" | 36" | 42" | 48" | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) R.C.P. | ENDWALLS CU. YARDS C.S.P. | QUANTITIES FOR MASONRY 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 DROP INLET | CATCH BASIN | O.T.C.B. STD. 840.04 OR 840.05 | D.I. STD. 840.14 OR 840.15 | D.I. FRAME & GRATES 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 | J.B. STD. 840.31 OR 840.32 | T.B.J.B. STD. 840.34 | T.B.D.I. STD. 840.35 (FOR CAST IRON FRAME & GRATES) | DRIVEWAY DROP INLET, STD. 840.30 | G.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO SAG GRATES STD. 840.24 | G.D.I. (N.S.) FRAME WITH SAG GRATE STD. 840.29 | G.D.I. (N.S.) FRAME WITH TWO FLAT GRATES STD. 840.29 | FRAME WITH GRATES, DRIVEWAY DROP INLET, STD. 840.30 | MANHOLE FRAME AND COVER STD. 840.54 | TEMPORARY 1" STEEL COVER (SEE DETAIL ON SHEET 2C-10) | PREFORMED SCOUR HOLE | BERM DRAINAGE OUTLET (SY) STD. 850.10 OR 850.11 | CONVERT EXIST. D.I. TO J.B. w/ MH (SEE DETAIL ON SHEET 2C-4) | ADJUST EXIST. C.B. | ADJUST EXIST. D.I. | FLOWABLE FILL (CY) | CORR. STEEL PIPE ELBOWS - NO. & SIZE (INCHES) | DRAINAGE PIPE ELBOWS - NO. & SIZE (INCHES) | 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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