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COMPUTED BY:	BJH	DATE:	12/19/23
CHECKED BY:	REL	DATE:	12/19/23

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-6036	3D-3

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 % | C. S. PIPE 12 .064 | C. S. PIPE 15 .064 | C. S. PIPE 18 .064 | C. S. PIPE 24 .064 | C. S. PIPE 30 .079 | C. S. PIPE 36 .079 | C. S. PIPE 42 .109 | C. S. PIPE 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 | R. C. PIPE CLASS V 12 | R. C. PIPE CLASS V 15 | R. C. PIPE CLASS V 18 | R. C. PIPE CLASS V 24 | R. C. PIPE CLASS V 30 | R. C. PIPE CLASS V 36 | R. C. PIPE CLASS V 42 | R. C. PIPE CLASS V 48 | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY | QUANTITIES FOR DRAINAGE STRUCTURES 0' THRU 5' EACH | 5' THRU 10' LIN. FT. | 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. 852.06 | C.B. STD. 852.05 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | CONCRETE BRIDGE APPROACH D.I. STD. 840.13 | 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. (W.S. FLAT) FRAME WITH GRATE STD. 840.20 | G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20 | G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22 | G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22 | 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/ GRATE STD. 840.29 | G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29 | DRIVEWAY D.I. STD. 840.30 | FRAME W/ GRATE FOR DRIVEWAY STD. 840.30 | J.B. STD. 840.31 OR STD. 840.32 | T.B.J.B. STD. 840.34 | T.B.D.I. STD. 840.35 | M.H. STD. 840.51, STD. 840.52, OR STD. 840.53 | M.H. FRAME AND COVER STD. 840.54 | ADJUST C.B. | ADJUST D.I. | ADJUST M.H. | PREFORMED SCOUR HOLE (PER EACH) | MIN. DEPTH C.B., SEE DETAIL SHEET 2D-2 | FLOWABLE FILL CY | CONCRETE COLLARS CL. "B" STD. 840.72 CY | CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY | PIPE REMOVAL LIN. FT. | REMARKS |
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