PROJECT REFERENCE NO.	SHEET NO.
U-4910B	3D-5
R/W SHEET NO.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BELAM

COMPUTED BY: BNE DATE: 8/16/2016

CHECKED BY: JGD DATE: 8/16/2016

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-4910B	3D-5

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 | OFFSET | STRUCTURE NUMBER FROM | STRUCTURE NUMBER TO | TOP ELEVATION FT. | INVERT ELEVATION FT. | INVERT ELEVATION FT. | MINIMUM REQUIRED SLOPE % | C. S. PIPE SIZE 15 | C. S. PIPE SIZE 18 | C. S. PIPE SIZE 24 | C. S. PIPE SIZE 30 | C. S. PIPE SIZE 36 | C. S. PIPE SIZE 48 | R. C. PIPE CLASS III SIZE 15 | R. C. PIPE CLASS III SIZE 18 | R. C. PIPE CLASS III SIZE 24 | R. C. PIPE CLASS III SIZE 30 | R. C. PIPE CLASS III SIZE 36 | R. C. PIPE CLASS III SIZE 48 | R. C. PIPE CLASS IV SIZE 15 | R. C. PIPE CLASS IV SIZE 18 | R. C. PIPE CLASS IV SIZE 24 | R. C. PIPE CLASS IV SIZE 30 | R. C. PIPE CLASS IV SIZE 36 | 73" x 55" C.S. PIPE ARCH CULVERT | ENDWALLS STD. 840.66 OR 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)) A: 0' THRU 5' EACH | B: 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. 852.04 OR STD. 852.06 | 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. (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 | M.H. FRAME AND COVER STD. 840.54 | CONVERT EXISTING C.B. TO T.B.-J.B. | ADJUST C.B. | 15" C.S. ELBOW | 18" C.S. ELBOW | 24" C.S. ELBOW | 48" C.S. ELBOW | SPECIAL OFFSET C.B. | MINIMUM DEPTH C.B. | BERM DITCH OUTLET STD. 850.10 (PER EACH) | CONCRETE COLLARS CL. "B" STD. 840.72 CY | PIPE REMOVAL LIN. FT. | REMARKS |
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