COMPUTED BY: RCH DATE: 11-2015
CHECKED BY: JMP DATE: 11-2015

PROJECT REFERENCE NO.	SHEET NO.
U-5719	3D-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

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".

| STATION | 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) SIZE 6" | 12" | 15" | 18" | 24" | 30" | 36" | 42" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE SIZE 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS III SIZE 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE CLASS IV SIZE 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | *** R.C. PIPE (CLASS V) | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | **** RC PIPE CULVERTS, CONTRACTOR DESIGN | 15" WELDED STEEL PIPE, 0.500" THK., GRADE "B", IN SOIL (TRENCHLESS INSTALLATION) | 15" STEEL PIPE, 0.500" THK., GRADE "B", NOT IN SOIL (TRENCHLESS INSTALLATION) | ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS 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 DROP INLET | CATCH BASIN | J.B. STD. 840.31 OR STD. 840.32 | M.H. FRAME AND COVER STD. 840.54 | PREFORMED SCOUR HOLE (PER EACH) | CONVERT EXISTING D.I. TO I.B. | CONVERT EXISTING J.B. TO C.B. | CONVERT EXISTING C.B. TO T.B.J.B. | SIDE DRAIN PIPE ELBOWS NO. & SIZE | PIPE REMOVAL LIN. FT. | REMARKS |
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