8/17/99

COMPUTED BY: SKE DATE: 02 /13 /19

CHECKED BY: JMW DATE: 02 /13 /19

PROJECT REFERENCE NO.	SHEET NO.
17BP.11.R.146	3D-1
R/W SHEET NO.	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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

| STATION | LOCATION (LT, RT, OR CL)' | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | C.S.P. 12" .064 | C.S.P. 15" .064 | C.S.P. 18" .064 | C.S.P. 24" .064 | C.S.P. 30" .079 | C.S.P. 36" .079 | C.S.P. 42" .109 | C.S.P. 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" | PIPE AS NOTED 24" Side Drain | PIPE AS NOTED 15" Side Drain | PIPE AS NOTED 15" Alternate | PIPE AS NOTED 24" RCP-IV | PIPE AS NOTED 24" RCP-V | PIPE AS NOTED 36" RCP-V | PIPE AS NOTED 48" RCP-V | PIPE AS NOTED 48" RCP-CD | PIPE AS NOTED 18" RCP-V | PIPE AS NOTED 30" RCP-V | PIPE AS NOTED 30" RCP-CD | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P. | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0') | QUANTITIES FOR DRAINAGE STRUCTURES LIN. FT. A 5.0' THRU 10.0' | QUANTITIES FOR DRAINAGE STRUCTURES LIN. FT. B 10.0' AND ABOVE | *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE F | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE G | CONCRETE TRANSITIONAL SECTION DROP INLET | CONCRETE TRANSITIONAL SECTION CATCH BASIN | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME AND 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. FRAME WITH TWO FLAT GRATES STD. 840.20 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | G.D.I. (N.S.) FR. WITH TWO FLAT GRATES STD. 840.29 | J.B. STD. 840.31 OR 840.32 | TB.JB STD. 840.34 | T.B.D.I. STD. 840.35 | M.H. STD. 840.51 OR 840.53 | M.H. FRAME AND COVER STD. 840.54 | 3GI | ADJUST DI | CONV DI TO JBMH | BERM DRAINAGE OUTLET | CLASS B RIPRAP TONS | GEOTEXTILE FABRIC SY | DRAINAGE PIPE ELBOWS NO. & SIZE | 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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