COMPUTED BY: C.M.W DATE: AUGUST 14, 2004
CHECKED BY: T.A.M. DATE: AUGUST 14, 2004

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-977A	3-1

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 1200 mm & UNDER)

| STATION | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) SIZE 300 | 375 | 450 | 600 | 750 | 900 | 1050 | 1200 | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) THICKNESS OR GAUGE 300 | 400 | 450 | 600 | 600 (UNCOATED) | 800 | 800 | 900 | 900 | 1000 | 1000 | 1200 | 1200 | MODIFIED CONCRETE FLUME (SEE SHEET 2-F) | ENDWALLS STD. 838.01 OR STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) R.C.P. (CM) | ENDWALLS STD. 838.01 OR STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) C.S.P. (CM) | QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50) | FOR DRAINAGE "TOTAL M FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") METERS A 1.50 THRU 3.00 | FOR DRAINAGE "TOTAL M FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") METERS B 3.00 AND ABOVE | 375 x 375 x 375 TEE | C.B. STD. 840.01 OR 840.02 | FRAME, GRATES, AND HOOD STD. 840.03 TYPE OF GRATE E | F | G | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME & GRATE STD. 840.16 | M.D.I. TYPE "A" STD. 840.17 OR 840.26 | M.D.I. TYPE "B" STD. 840.18 OR 840.27 | M.D.I. TYPE "D" STD. 840.19 OR 840.28 | M.D.I. FRAME WITH TWO GRATES STD. 840.20 | M.D.I. FRAME WITH GRATE STD. 840.22 | M.D.I. FRAME WITH TWO GRATES STD. 840.22 | M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29 | M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | J.B. STD. 840.31 OR 840.32 | T.B.J.B. STD. 840.34 | M.H. STD. 840.51, 840.52, OR 840.53 | M.H. FRAME & COVER STD. 840.54 | O.T.C.B. STD. 840.04 OR 840.05 | SPRING BOX STD. 840.41 | 150mm C.S. Pipe, 1.63mm THICK (SPRING BOX) | PERFORATED 150mm C.S. Pipe STUB, 1.63mmTHICK | M.D.I. FRAME WITH TWO GRATES STD. 840.33 (ANGLE VANE) | 900 x 900 x 900mm PERF C.S.P. TEE RISER 2.01mm THICK | 800 x 800 x 800mm PERF C.S.P. TEE RISER 2.01mm THICK | 600 x 600 x 600mm PERF C.S.P. TEE RISER 1.63mm THICK | 450 x 450 x 450mm PERF C.S.P. TEE RISER 1.63mm THICK | SLUICE GATE (FOR 600 C.S.P.) | CONC. COLLARS CL. "A" CM STD 840.72 | CONC. & BRICK PIPE PLUG C.M. STD. 840.71 | ADJUST EXISTING D.I. | PIPE REMOVAL (LINEAR METER) | C.S. ELBOWS NO. | C.S. ELBOWS SIZE | REMARKS |
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