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-H |

## 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) 300 | 375 | 450 | 600 | 750 | 900 | 1050 | 1200 | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 300 1.63 | 400 1.63 | 450 1.63 | 600 1.63 | 600 1.63 (UNCOATED) | 800 2.01 | 800 2.01 | 900 2.01 | 1000 2.77 | 1200 2.77 | 1200 3.51 | 150mm PERFORATED HDPE PIPE | 600 BORE AND JACK | 375mm SIDE DRAIN PIPE | 450mm SIDE DRAIN PIPE | 600mm SIDE DRAIN PIPE | 900mm SIDE DRAIN PIPE | MODIFIED CONCRETE FLUME (SEE SHEET 2-F) | ENDWALLS STD. 838.01 OR STD. 838.11 OR STD. 838.60 (UNLESS NOTED OTHERWISE) R.C.P. (CM) | C.S.P. (CM) | QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50) | FOR DRAINAGE "TOTAL WORK" ONLY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") METERS A 1.50 THRU 3.00 | 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 TWO GRATES 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 | SPRING BOX (SPRING BOX) THICK | 150mm C.S. Pipe, 1.63mm | 150mm C.S. Pipe STUB, 1.63mm THICK | PERFORATED 150mm C.S. Pipe STUB, 1.63mm THICK | 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 | SLUISE 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. | SIZE | REMARKS |
|---|---|---