COMPUTED BY: K. DUNN KUD DATE: APRIL 7, 2004
CHECKED BY: J. JATKO DATE: APRIL 7, 2004

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

METRIC

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-2514A | 3-E |

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

| STATION | LOCATION (LT, RT, OR CL) | 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 | 400 | 450 | 600 | | 800 | | 900 | | 1000 | | 1200 | | 375mm SIDE DRAIN PIPE | 450mm SIDE DRAIN PIPE | 600mm SIDE DRAIN PIPE | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. METERS R.C.P. | C.S.P. | QUANTITIES: STRUCTURES PER EACH (0 THRU 1.50) | FOR DRAINAGE "TOTAL" FOR ANY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") METERS A 1.50 THRU 3.00 | B 3.00 AND ABOVE | 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 GRATE STD. 840.22 | M.D.I. FRAME WITH TWO GRATES STD. 840.22 | M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | 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 OR 840.53 | M.H. FRAME & COVER STD. 840.54 | FLOWABLE FILL ($M^3$) | M.D.I. FRAME WITH TWO GRATES STD. 840.20 | CONV. EXIST. J.B. TO D.I. | MODIFIED CONCRETE FLUME | 300mm X 450mm TEE | 300 mm TEMPORARY PIPE (PLAIN C.S.) | 450 mm TEMPORARY PIPE (PLAIN C.S.) | 600 mm TEMPORARY PIPE (PLAIN C.S.) | 800 mm TEMPORARY PIPE (PLAIN C.S.) | 900 mm TEMPORARY PIPE (PLAIN C.S.) | CORR. STEEL ELBOW NO. & SIZE | PREFORMED SCOUR HOLES | CONC. COLLARS, CL. "B" $m^3$ STD.840.72 | CONC. & BRICK PIPE PLUG $m^3$ STD.840.71 | PIPE REMOVAL (meters) | REMARKS |
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