COMPUTED BY: CLB DATE: 7/22/2003

CHECKED BY: RDH DATE: 7/22/2003

RA1-D6HNJ01

PROJECT NO.	SHEET NO.
U-0620	3-F

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

| STATION / SIZE / THICKNESS OR GAUGE | 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) SHADED BLOCK = CLASS IV R.C. PIPE 12 | 15 | 18 | 24 | 30 | 36 | 42 | 48 | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12 .064 | 15 .064 | 18 .064 | 24" .064 | 30" .079 | 36" .079 | 42" .109 | 48" .109 | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 36" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 OR STD. 838.11 (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" + (1.5 X COL. B) PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | 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 | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME AND GRATE STD. 840.16 | M.D.I. TYPE "A" STD. 840.17 OR 840.26 | 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.D.I. STD. 840.35 OR 840.32 | T.B.J.B. STD. 840.34 | J.B. STD. 840.31 OR 840.32 | MANHOLE STD. 840.51 | M.H. STD. 840.51 OR 840.53 | M.H. FRAME AND COVER STD. 840.54 | BERM DRAINAGE OUTLET STD 850.10 | 24x24x15 RC PIPE TEES, CLASS III | 15x15x15 RC PIPE TEES, CLASS III | 18x18x18 RC PIPE TEES, CLASS III | CONVERT EXISTING DROP INLET TO JUNCTION BOX | CONVERT EXISTING DROP INLET TO CATCH BASIN | CONCRETE APRON FOR CATCH BASIN STD. 852.05 | CONCRETE APRON FOR DROP INLET STD. 852.06 | CORR. STEEL ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | PIPE REMOVAL LIN. FT. | REMARKS |
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