COMPUTED BY: J.B. DATE: 07/03
CHECKED BY: T.H. DATE: 07/03

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

MULKEY ENGINEERS & CONSULTANTS
PO Box 33127
Raleigh, N.C. 27636
(919) 851-1912
(919) 851-1918 (FAX)
WWW.MULKEYINC.COM

PROJECT REFERENCE NO.	SHEET NO.
B-3157	3-C
HYDRAULICS ENGINEER	ROADWAY DESIGN ENGINEER

REVISIONS

| 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) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" (0.064) | 15" (0.064) | 18" (0.064) | 24" (0.064) | 30" (0.079) | 36" (0.079) | 42" (0.109) | 48" (0.109) | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 OR STD 838.11 (UNLESS NOTED OTHERWISE) R.C.P. (CY) | C.S.P. (CY) | QUANTITIES FOR DRAINAGE STRUCTURES (TOTAL LF FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 x COL. "B")) LIN *FT A: 5.0' THRU 10.0' | B: 10.0' AND ABOVE | PER EACH (0' THRU 5.0') | C.B. STD. 840.01 OR 840.02 | FRAMES, GRATES & HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME WITH TWO GRATES 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 W/TWO GRATES STD. 840.20 | M.D.I. FRAME W/TWO GRATES STD. 840.22 | M.D.I. FRAME W/GRATE STD 840.22(SINGLE) | M.D.I.(NS)FRAME W/TWO GRATES STD 840.24 | M.D.I.(NS)FRAME W/ONE GRATE STD 840.24 | FRAME W/GRATES, DRIVEWAY DROP INLET (LIN. FT.) | DRIVEWAY DROP INLET STD 840.30 | J.B. STD. 840.31 OR 840.32 | C.B. STD. 840.04 OR 840.05 | FRAME WITH TWO GRATES STD. 840.33 | TRAFFIC BEARING JB STD. 840.34 | TRAFFIC BEARING DI STD. 840.35 | TRAFFIC BEARING DI STD. 840.36 | STEEL FRAME W/TWO GRATES STD 840.37 | TRAF. BRG. PRECAST DRAIN. STR. STD. 840.46 | FRAME WITH COVER STD. 840.54 | ADJUST TBJB | ADJUST C.B. | 18" X 18" X 15" RC PIPE TEES, CLASS III | SPECIAL TEMP. STEEL COVER (SEE SHEET 2-00) | CONV. EXIST. C.B. TO J.B. | CONV. EXIST. C.B. TO D.I. | CONV. EXIST. D.I. TO J.B. (W/MH COVER) | CONV. EXIST. J.B. TO D.I. | CONC. COLLARS CL. "B" CY STD 840.72 | CORR. STEEL ELBOWS, NO. & SIZE | CONC. & BRICK PIPE PLUG, CY STD. 840.71 | PIPE REMOVAL (LIN.FT.) | Remarks |
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