COMPUTED BY: I YOUNIS DATE: 5/12/2022
CHECKED BY: AH DATE: 5/12/2022

PROJECT REFERENCE NO.	SHEET NO.
B-5301	3D-1

SEPI Engineering & Construction, Inc.
1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: C-2197

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUB–REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300–5".

| STATION / SIZE / THICKNESS OR GAUGE | LOCATION (LT,RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) (IN FEET) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | C.S. PIPE (IN FEET) 12" .064 | 15" .064 | 18" .064 | 24" .064 | 36" .079 | 42" .109 | 48" .109 | R.C. PIPE (CLASS III) (IN FEET) 15" | 18" | 24" | 30" | 36" | 42" | 48" | R.C. PIPE (CLASS IV) (IN FEET) 15" | 18" | DUCTILE IRON PIPE (TYPE 3) (CLASS 250) (IN FEET) 18" | 18" R.C. PIPE (CLASS V) | 36" WELDED STEEL PIPE TRENCHLESS INSTALLATION UNDER RR 0.375" THICK | *** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE | 15" SIDE DRAIN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. B') LIN. *FT. PER EACH (0' THRU 5.0') | 5.0' THRU 10.0' A | 10.0' AND ABOVE B | QUANTITIES FOR SEALED PRECAST DRAINAGE STRUCTURES PER EACH (0' THRU 5.0') | CONCRETE TRANSITIONAL SECTION DROP INLET | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME & GRATE STD. 840.16 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29 | T.B.D.I. STD. 840.35 | J.B. STD. 840.31 OR 840.32 | M.H. FRAME & COVER STD. 840.54 | DRAINAGE PIPE ELBOWS NO. & SIZE | BOOTS FOR SEALED DRAINAGE STRUCTURES | STEEL PLATE TEMPORARY COVER FOR G.D.I. | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | PIPE REMOVAL LIN.FT. | REMARKS |
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