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

PROJECT REFERENCE NO.	SHEET NO.
B-5301	3D-2

SEPI Engineering & Construction, Inc.
1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
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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".

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUB–REGIONAL & REGIONAL
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 | 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" | 15" | 18" | 24" | 36" | 42" | 48" | 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') PER EACH (0' THRU 5.0') | LIN. *FT. A: 5.0' THRU 10.0' | LIN. *FT. B: 10.0' AND ABOVE | 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.w/M.H. 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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