COMPUTED BY: Andrew M. Howell DATE: August 4, 2021
CHECKED BY: _____ DATE: _____

PROJECT REFERENCE NO.	SHEET NO.
B-5772	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

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".

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) 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 12"	15"	18"	24"	36"	42"	48"	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
																				.064	.064	.064	.064	.079	.109	.109															
19+75 –L–	CL	0408			835.25	833.95																							88												
19+99 –L–	CL																																								
22+00 –L–	LT	0401	0402	840.55	837.80																																				
					837.80	837.70	X		16																																
22+00 –L–	RT	0403	0404	840.55	837.80																																				
					837.80	837.70	X		16																																
22+97 –L–	LT	0405			837.40	837.32			24																																
23+46 –L–	LT	0406			837.23	837.15			24																																
23+66 –L–	RT	0407			836.60	836.50			32																																
TOTALS									112																				88												

STATION / SIZE / THICKNESS OR GAUGE	** R. C. PIPE (CLASS V)	** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	** R. C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" 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'	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	CONCRETE TRANSITIONAL SECTION CATCH BASIN	DROP INLET	T.B.D.I. STD. 840.35 OR STD. 840.46	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	J.B. STD. 840.31 OR 840.32	M.H. FRAME & COVER STD. 840.54	DRAINAGE PIPE 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
19+75 –L–																															
19+99 –L–																													70	REMOVE EXISTING 18" RCP CROSS LINE
22+00 –L–								1									1	1												
																														MINIMUM PIPE GRADE = 0.50%
22+00 –L–								1									1	1												
																														MINIMUM PIPE GRADE = 0.50%
22+97 –L–																														
23+46 –L–																														
23+66 –L–																														
TOTALS								2									2	2											70	TOTALS

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

4/04/05
B5772_HYD_DSS.dgn 3:53:12 PM
USER: PSpeck
V8I (SELECT)
DESIGN\03_CADD\B5772\Drainage\B-5772_hyd_DSS.dgn