DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STV 100 Years STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991

PROJECT REFERENCE NO.	SHEET NO.
B-5818	3D-1
R/W SHEET NO.	

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

STATION	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"	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"	48"	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES 0' THRU 5' EA	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 STD. 840.27 OR 840.45	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME WITH TWO GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME WITH GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME WITH GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME WITH TWO GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	FRAME WITH GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	ANGLED VAN GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35 OR 840.46	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	15" DRAINAGE PIPE ELBOW	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
-L- STA. 15+09	LT	401			321.5	320.9																		56																																												
-L- STA. 18+78	RT	501			306.7	305.0																	28																																													
-L- STA. 26+00	RT	601		279.7																												1														1		1																				
		601	602		277.0	276.0									68																																																					
-L- STA. 28+75	RT	702		282.8																												1																						1						1								
		702	701		278.0	261.7			48																																																						2					DO NOT USE RCP
-L- STA. 28+75	LT	703		282.8																												1																						1						1								
		703	702		278.1	278.0									28																																																					
-L- STA. 30+00	RT	704	705		273.3	265.3			84																																																											TEMP. PIPE
-L- STA. 32+00	LT	801		278.5																												1														1		1																				TEMP. STRUCTURE (INCLUDED IN "UNCLASSIFIED EXCAVATION")
		801	802		275.7	275.3			72																																																											TEMP. PIPE
-L- STA. 36+98	RT	901			299.0	297.5																		28																																											
-L- STA. 38+95	LT	902			304.2	303.5																		52																																											
-L- STA. 40+25	LT	903			307.5	307.0																28																																													
-L- STA. 38+06	LT	904			301.9	301.1																28																																													
-L- STA. 19+38	LT																																																															3				
-L- STA. 22+63	LT																																																															2				
-L- STA. 30+00	LT																																																															3				
-L- STA. 31+10	LT																																																															2				
-L- STA. 31+90	RT																																																															3				
-L- STA. 18+78	LT																																																																		30	
-L- STA. 30+00	RT																																																																		84	
-L- STA. 31+90	RT																																																																		72	
-L- STA. 40+26	LT																																																																		16	
TOTAL									204						96							56	28	136								4														2		2						2						2			2	13			202	

ABBREVIATIONS

C.A.A. CORRUGATED ALUMINIUM ALLOY
C.B. CATCH BASIN
C.S. CORRUGATED STEEL
D.I. DROP INLET
G.D.I. GRATED DROP INLET
H.D.P.E. HIGH DENSITY POLYETHYLENE
J.B. JUNCTION BOX
M.H. MANHOLE
N.S. NARROW SLOT
P.V.C. POLYVINYL CHLORIDE
R.C. REINFORCED CONCRETE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX
W.S. WIDE SLOT

NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)

4/14/2021
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MooreDS