COMPUTED BY:	H. P. MANN	DATE:	2/25/2021
CHECKED BY:	K. D. ALDRIDGE	DATE:	2/26/2021

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
BR-0048	3D-1

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

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & 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) SIZE 15"	18"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE THICKNESS OR GAUGE 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"	48"
-L- 17+10.92	RT	0401		896.6																																	
		0401	0402		893.9	891.7		20																													
-L- 20+20.57	RT	0408		888.9																																	
		0408	0409		886.2	886.1		20			X	X																									
-L- 15+49.60	LT	0403	0404		903.3	897.7			48																												
-L- 15+99.63	LT	0404		900.7																																	
		0404	0405		897.7	875.0			120																												
-L- 17+13.84	LT	0405		878.0																																	
		0405	0406		875.0	865.0			52																												
-DR1- 10+49.87	CL	0407						48																													
-DR2- 11+17.86	CL	0410						84																													
SHEET TOTALS								172	220																												

STATION	* " R.C. PIPE (CLASS V)	** " RC PIPE CULVERTS, CONTRACTOR DESIGN	*** " RC PIPE CULVERTS, CONTRACTOR DESIGN	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED) CUBIC YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LINEAR FEET A 5.0' THRU 10.0'	B 10.0' AND ABOVE	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B")	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 DROP INLET	CATCH BASIN	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME WITH TWO GRATES STD. 840.16	D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "B" STD. 840.19 OR 840.28	G.D.I. TYPE "D" STD. 840.20	G.D.I. FRAME WITH GRATE STD. 840.20	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S.) FRAME (N.S. FLAT) W/2 GRATES STD. 840.29	J.B. STD. 840.31 OR 840.32	T.B.D.I. STD. 840.35	15" DRAINAGE PIPE ELBOW	18" DRAINAGE PIPE ELBOW	DRAINAGE PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
-L- 17+10.92								1													1								1								
																															2						
-L- 20+20.57								1													1								1								
																															2						
-L- 15+49.60																																					
-L- 15+99.63								1													1							1									
																																		2				
-L- 17+13.84								1													1							1									
																																		2				
-DR1- 10+49.87																																					
-DR2- 11+17.86																																				31	REMOVE EXISTING 15" RCP
SHEET TOTALS								4																			2			2		4	4				31

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.)	(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