COMPUTED BY:	H. P. MANN	DATE:	2/25/2021
CHECKED BY:	K. D. ALDRIDGE	DATE:	5/2/2022

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 SIZE 12"	15"	18"	24"	30"	36"	42"	48"	C.S. PIPE THICKNESS OR GAUGE .064	.064	.064	.064	.079	.079	.109	.109
-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	897.9			60		X	X																	
-L- 16+07.73	LT	0404		902.3																									
		0404	0405		897.9	893.8			108		X	X																	
-L- 17+16.39	LT	0411		897.2																									
		0411	0405		893.8	873.8			44																				
-L- 17+16.20	LT	0405		877.8																									
		0405	0406		873.8	865.0			48																				
-DR1- 10+49.87	CL	0407						48																					
-DR2- 11+17.86	CL	0410						84																					
SHEET TOTALS								172	260																				

STATION	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"	* " 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	G.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 "D" STD. 840.19 OR 840.28	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	MANHOLE FRAME AND COVER STD. 840.54	T.B.J.B. STD. 840.34	G.D.I. FRAME (N.S. FLAT) W/2 GRATES STD. 840.29	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- 16+07.73																								1																1	1										
-L- 17+16.39																								1																1	1										
																																													2								
-L- 17+16.20																								1											1			1															
																																													2								
-DR1- 10+49.87																																																					
-DR2- 11+17.86																																																			31		REMOVE EXISTING 15" RCP
SHEET TOTALS																								5											3			1		1	1	3	1	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