COMPUTED BY:	D.R.Ethridge	DATE:	4/26/2022
CHECKED BY:	D.R.Ethridge	DATE:	4/26/2022

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-6223	3D-2

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 / 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" .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- 54+32.00	LT	715		308.90'	306.90'																																						
		715	716		306.90'	306.80'																															12'							
-L- 54+31.77	LT	716			306.80'																																						
		715	717		306.90'	307.70'																															64'							
-L- 55+00.00	LT	717		309.60'	307.70'																																						
-L- 54+81.72	RT	712		311.40'	309.50'																																						
		712	711		309.50'	301.40'																															68'							
-L- 55+50.04	RT	711		313.00'	301.40'																																						
		711	710		301.40'	317.10'																															232'							
-L- 57+81.26	LT	710		320.30'	317.10'																																						
		710	706		317.10'	322.40'																															124'							
-L- 59+06.63	LT	706		325.60'	322.40'																																						
		706	705		322.40'	323.30'																															40'							
-L- 59+49.72	LT	705		327.30'	323.30'																																						
		705	704		323.30'	323.80'																															36'							
-L- 59+49.62	RT	704		326.80'	323.80'																																						
		704	703		323.80'	325.90'																															104'							
-L- 60+53.14	RT	703		328.90'	325.90'																																						
		703	701		325.90'	327.30'																															140'							
-L- 61+94.51	RT	701		330.30'	327.30'																																						
		706	709		322.40'	322.80'																															40'							
-L- 59+09.21	LT	709		324.70'	322.80'																																						
		709	708		322.80'	327.10'																															232'							
-L- 61+43.74	LT	708		330.10'	327.10'																																						
-Y1- 10+41.42	LT	410			305.00'	302.60'																																					
-Y1- 11+25.00	LT	408																																			52'							
-Y1- 11+84.72	RT	409																																			48'							
-Y1- 12+23.50	LT	411			302.00'	301.00'																																					
-Y1- 15+74.21	RT	418																																			20'							
-Y1- 16+42.28	RT	419																																			16'							
-Y2- 10+00.00	RT	609																																			36'							
-Y2- 10+80.02	RT	608																																			36'							
-Y2- 11+19.42	RT	607																																			32'							
-Y2- 11+93.98	RT	606																																			24'							
-Y2- 12+50.00	LT	610																																			48'							
SHEET 3D-2 TOTAL																																					1404'							

STATION / SIZE / THICKNESS OR GAUGE	18" R.C. PIPE (CLASS V)	24" R.C. PIPE (CLASS V)	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	ENDWALLS CU. YARDS 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	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 & GRATE STD. 840.16	GRATED D.I. TYPE "B" STD. 840.18 OR 840.27	FRAME WITH TWO WIDE SLOT FLAT GRATES STD. 840.20	FRAME WITH TWO WIDE SLOT SAG GRATES STD. 840.22	FRAME WITH TWO NARROW SLOT SAG GRATES STD. 840.24	T.B. GRATED D.I. STD. 840.35	FLOWABLE FILL (CY)	PIPE CLEAN OUT (EA)	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
-L- 54+32.00					1												1		1								
-L- 54+31.77																											
-L- 55+00.00					1											1			1								
-L- 54+81.72					1							1		1	1												
-L- 55+50.04																											SEE SHEET 3D-4
-L- 57+81.26					1							1		1	1												
-L- 59+06.63					1							1		1	1											46'	
-L- 59+49.72					1							1		1	1												
-L- 59+49.62					1			1			1																
-L- 60+53.14					1			1			1																
-L- 61+94.51					1			1			1																
-L- 59+09.21					1			1		1																	
-L- 61+43.74					1			1		1																	
-Y1- 10+41.42	96'																										FLOWS LEFT TO RIGHT
-Y1- 11+25.00																											
-Y1- 11+84.72																											
-Y1- 12+23.50	64'																										FLOWS LEFT TO RIGHT
-Y1- 15+74.21																										18'	
-Y1- 16+42.28																										20'	
-Y2- 10+00.00																										16'	
-Y2- 10+80.02																										22'	
-Y2- 11+19.42																										16'	
-Y2- 11+93.98																										16'	
-Y2- 12+50.00																											
SHEET 3D-2 TOTAL	160'				11		5		2	3	4	4	4	1	1	2										154'	

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