PCDU60HU

COMPUTED BY:	SMB	DATE:	04/21/2021
CHECKED BY:	DM	DATE:	04/21/2021

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-2233BB	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)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	TO	TOP ELEVATION (FT.)	INVERT ELEVATION (FT.)	INVERT ELEVATION (FT.)	MINIMUM REQUIRED SLOPE (%)	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 15	18	24	30	36	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC
L3 734+25	227 LT	0423		921.5															
		0423	0424		917.0	916.5	0.8												
L3 735+00	213 LT	0422		929.5															
		0422	0423		925.5	917.6	0.7												
L3 736+00	180 LT	0421		948.5															
		0421	0422		944.5	925.6	0.5												
L3 738+00	145 LT	0420		977.5															
		0420	0421		966.5	944.6	0.4												
L3 738+65	111 LT	0419		997.9															
		0419	0420		986.9	968.5	0.4												
L3 738+75	111 LT	0418		990.7															
		0418	0419		991.6	991.5	0.4												
L3 734+65	182 RT	0425		944.9															
		0425	0426		944.9	944.0													
L3 734+77	183 RT	0426		950.0															
		0426	0427		943.9	933.0													
L3 736+21	209 RT	0427		937.0															
		0427	0428		932.9	931.6													
L3 745+00	30 RT	0400		1032.2															
		0400	0401		1027.4	1023.9													
L3 745+00	0 CL	0401		1029.9															
		0401	0402		1023.9	1023.4													
L3 745+00	30 LT	0402		1032.2															
		0402	0403		1023.4	1005.5													
L3 745+00	113 LT	0403		1008.5															
		0403	0417		1005.0	1004.3													
L3 743+70	132 LT	0404		996.7															
		0404	0405		992.9	991.9						132			X	X			
Y25REV 32+66	40 LT	0406		991.4															
		0406	0407		987.9	980.0	4.2												
Y74 16+26	8 LT	0408		994.2															
Y25REV 32+00	30 LT	0410		995.0															
		0410	0406		991.0	988.2		68							X	X			
Y25REV 24+71	28 LT	0414		1029.8															
		0414	0413		1025.6	1018.8													
Y25REV 25+42	50 LT	0413		1022.0															
		0413	0412		1018.8	1008.5													
Y25REV 25+50	62 RT	0415		1020.5															
		0415	0416		1017.5	992.9													
Y25REV 25+82	100 RT	0416		995.5															
		0416	0418		992.5	992.3													
L3 744+52	120 LT	0417		1015.0															
		0417	0404		1004.3	993.9													
L3 749+50	73 RT	0500		1041.1															
		0500	0501		1038.3	1036.9	0.5												
L3 749+50	0 CL	0501		1042.2															
		0501	0401		1036.9	1023.9	0.5												
L3 750+50	72 RT	0502		1043.5															
		0502	0501		1040.7	1036.9													
DR2 15+50		0513	0514		1059.0	1048.0													
SHEET TOTALS								68				132							
PROJECT TOTALS								2484	1796	1328	1036	264	32						

LINE & STATION / SIZE / THICKNESS OR GAUGE	C. S. PIPE .064	12 .064	15 .064	18 .064	24 .079	30 .079	36 .109	42	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	18	30	36	42" WELDED STEEL, PIPE 0.625" THICK, GRADE B IN SOIL	36" WELDED STEEL, PIPE 0.500" THICK, GRADE B NOT IN SOIL	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	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
L3 734+25																										1							
															44																		
L3 735+00																										1							
															76																		
L3 736+00																										1							
															104																		
L3 738+00																										1	5.0	1.0					
															204																		
L3 738+65																										1	5.0	1.0					
															72																		
L3 738+75																																	
															12																		
L3 734+65																																	
													12																				
L3 734+77																										1	1.1						
													144																				
L3 736+21																										1							
													60																				
L3 745+00																										1							
									56																								
L3 745+00																										1	1.0						
										56																							
L3 745+00																										1	3.8						
			56																														
L3 745+00																										1							
												48																					
L3 743+70																										1							
Y25REV 32+66																										1							
			164																														
Y74 16+26																										1	3.3						
Y25REV 32+00																										1							
Y25REV 24+71																										1							
										72																							
Y25REV 25+42																										1							
			88																														
Y25REV 25+50																										1							
		76																															
Y25REV 25+82																										1							
		20																															
L3 744+52																										1	5.0	0.7					
				80																													
L3 749+50																										1							
									84																								
L3 749+50																										1	0.3						
										524																							
L3 750+50																										1							
									124																								
DR2 15+50									64																								
SHEET TOTALS		96	308	80					328	652	48	216	512													23	24.5	2.7					
PROJECT TOTALS		2012	2360	784	648	672	588		14496	6076	4800	3316	1700	1256	544			172	272	36	552	692	41.400			435	546.7		75	6	42	27	34

LINE & STATION / SIZE / THICKNESS OR GAUGE	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	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 STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	8" SLUICE GATE	8" HPDE SPRING BOX PIPE (LIN. FT)	SPRING BOX STD. 840.41	M.H. STD 840.51, STD 840.52, OR STD 840.53	M.H. FRAME AND COVER STD. 840.54	15" C.S. ELBOW	18" C.S. ELBOW	BERM DRAIN OUTLET STD. 850.10 (CY)	BERM DRAIN OUTLET STD. 850.11 (CY)	ENERGY DISSIPATION BASIN	PIPE CLEANOUT EA	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
L3 734+25	1																																
L3 735+00	1																																
L3 736+00	1																																
L3 738+00														1							1												
L3 738+65														1							1												
L3 738+75																																	
L3 734+65																																	
L3 734+77														1							1												
L3 736+21														1							1												
L3 745+00					1			1																									
L3 745+00					1			1																									
L3 745+00					1			1																									
L3 743+70	1																																
Y25REV 32+66	1																																
Y74 16+26				1									1																				
Y25REV 32+00					1								1																				
Y25REV 24+71					1								1																				
Y25REV 25+42	1																																
Y25REV 25+50	1																																
Y25REV 25+82														1																			
L3 744+52	1																																
L3 749+50					1					1																							
L3 749+50					1					1																							
L3 750+50					1					1																							
DR2 15+50																																	
SHEET TOTALS	9			1	8			3		3			3		5											4							
PROJECT TOTALS	28	54	54	37	176	3		39		172			7	1	42	1	3	15	15	2	44	1		40	16	14	44	93	15	4	137	6.4125	0.624	4653

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