6/21/00
SDG-JSTANOVICH

COMPUTED BY:	DJS	DATE:	05/04/2026
CHECKED BY:	JGD	DATE:	05/04/2026

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
I-5716	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)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Side Drain 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	DO NOT USE PVC	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	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS 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	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/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	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	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	15" SIDE DRAIN PIPE ELBOW	24" SIDE DRAIN PIPE ELBOW	30" SIDE DRAIN PIPE ELBOW	BERM DITCH OUTLET STD. 850.10 (4" CONC. DITCH)	BERM DITCH OUTLET STD. 850.11 (4" CONC. DITCH)	MODIFIED CONC. FLUME	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
Y1 31+34	67 LT	0635		1076.3																																																																							1												
		0635	0638		1070.0	1069.5																									124																																																								
Y1 31+00	13 RT	0636		1080.3																																			1								1		1	1																																					
		0636	0637		1077.1	1076.5																								88																																																									
Y1 30+13	10 RT	0637		1079.6																																			1								1		1	1																																					
		0637	0638		1076.5	1075.0																								44																																																								
Y1 30+12|35 LT|0638| |1078.2|																																	|1|3.7| |1| |1|																																																	
		0638	0644		1069.5	1069.0	0.7																								60																																																									
Y1 29+05	32 LT	0639		1077.9																																			1	4.3		1	1																																																		
		0639	0640		1068.6	1067.4	0.4																									56																																																							
Y1 28+50	32 LT	0640		1078.0																																			1	5.0	0.6	1			1																																															
		0640	0641		1067.4	1065.5	0.5																									156																																																							
Y1 26+92	32 LT	0641		1079.1																																			1	5.0	3.6	1			1																																															
Y1 26+80	32 LT	0642		1079.3																																			1			1			1																																																
		0642	0641		1076.2	1076.0																								12																																																								
Y1 29+50	32 LT	0644		1078.0																																			1	4.0		1		1																																															
		0644	0639		1069.0	1068.6	0.8																								44																																																								
Y1 23+20	47 RT	0645		1087.3																																			1			1		1																																																	
		0645	0605		1082.3	1060.9			52							X		X	X	X																																																												2										
Y1 23+54	32 LT	0646		1086.5																																			1			1			1																																															
		0646	0648		1083.3	1050.0			192							X		X	X	X																																																											2										
RPB 14+75|62 LT|0647| |1082.1|																																	|1|											|1|			|1|																																					
		0647	0654		1079.3	1063.0	1.4		112							X		X	X	X																																																											2										
L 46+50|110 LT|0648| |1052.8|																																	|1|											|1|			|1|																																					
		0648	EX0634		1050.0	1042.0																156																																																																					TIE PIPE TO EXISTING 3GI (10+96 -LPA- 108' LT)
RPC 24+37|38 LT|0650| |1072.4|																																	|1|											|1|			|1|																																					
		0650	0651		1069.6	1067.6																72																																																																					
RPC 23+57|38 LT|0651| |1070.4|																																	|1|0.2|									|1|			|1|																																					
		0651	0652		1065.2	1056.9																									140																																																							
RPA 23+65|42 RT|0653| |1058.5|																																	|1|										|1|				|1|																																					
		0653	0622		1053.7	1044.6	0.5																	160																																																																				
RPA 22+00	100 RT	0655		1075.9																																																																															11								
		0655	0622		1075.9	1044.6	5.2		60							X		X	X	X																																																										2										
RPA 31+31	38 RT	0656		1091.2																																			1			1			1																																															
		0656	0657		1087.2	1083.6	0.6																									88																																																								
RPA 30+42	38 RT	0657		1087.6																																			1			1			1																																															
		0657	0662		1083.6	1080.5	0.7																									72																																																								
RPA 31+94|74 RT|0659| |1096.0|																																	|1|							|1|1|																																																
	|0659|0615| |1093.7|1091.4|														|24|																																																																					
Y1 20+00	52 RT	0660		1097.4																																			1			1		1																																																
		0660	0663		1094.3	1091.8																								56																																																									
RPA 29+70	38 RT	0662		1084.5																																			1			1			1																																															
		0662	0608		1080.5	1068.2	2.8				52					X		X																																																													2									
RPB 21+81	48 LT	0663		1095.0																																			1			1		1																																															
		0663	0661		1091.8	1089.4			32									X																																																																								
RPA 18+71|31 LT|0702| |1036.1|																																	|1|3.8|									|1|			|1|																																					
		0801	0802		1104.0	1102.2	0.4																									140																																																								
Y1 18+00	30 LT	0802		1106.2																																			1			1			1																																															
		0802	0613		1102.2	1097.9	0.4																									100																																																								
Y1 34+23	59 RT	0901		1081.1	1077.8																																		1			1		1																																													Replace Existing CB
						SHEET TOTALS			448		52											252		160						200	368	612								24	26.0	4.2	15	1	6	8		2		3	3	1	5					6																			1		8	2		11								

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

5/5/2026
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acarpenter