6/21/00
SDG-JSTANOVICH

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

PROJECT NO.	SHEET NO.
I-5716	3D-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**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
RPB 12+21	63	LT	0503		1086.5																
			0503	0647		1083.7	1079.3	0.5													
L 36+80	93	LT	0601		1080.3																
L 40+00	109	LT	0602		1070.6																
			0602	0604		1067.5	1060.6														
L 42+94	93	LT	0603		1065.6																
L 42+94	106	LT	0604		1063.8																
			0604	0603		1060.4	1060.2	0.7													
L 43+50	103	LT	0605		1062.9																
			0605	0604		1060.9	1060.6														
LPA 20+80	121	RT	0609		1065.3																
			0609	0610		1061.3	1057.2														
LPA 20+29	14	RT	0610		1080.6	1057.2															
Y1 19+00	0	CL	0612		1102.0																
			0612	0613		1098.8	1098.5														
Y1 19+00	29	LT	0613		1102.0																
			0613	0614		1097.9	1094.0	0.4													
Y1 19+99	51	LT	0614		1097.9																
			0614	0615		1094.0	1090.7	0.4													
RPA 32+05	41	RT	0615		1094.7																
			0615	0656		1090.7	1087.2	0.6													
RPA 32+05	9	LT	0616		1094.4																
			0616	0615		1091.2	1090.7														
LPA 17+50	114	RT	0620		1069.0																
			0620	0621		1069.0	1061.2	1.6				16					X		X	X	X
LPA 17+50	100	RT	0621		1066.0																
			0621	0653		1060.7	1053.7	0.4													
RPA 22+00	42	RT	0622		1049.9																
			0622	0623		1044.6	1044.2														
RPA 22+00	22	LT	0623		1052.1																
			0623	EX0632		1044.2	1043.8														
RPA 27+25	9	LT	0624		1072.8																
			0624	0625		1069.5	1069.3														
LPA 19+07	11	RT	0625		1073.8																
			0625	0626		1069.3	1068.6														
LPA 19+00	14	LT	0626		1071.8																
			0626	0627		1068.6	1060.5														
LPA 17+50	14	LT	0627		1063.7																
			0627	0629		1060.5	1055.2	0.4													
LPA 16+50	39	LT	0628		1055.4																
			0628	0629		1052.6	1052.4														
LPA 16+50	14	LT	0629		1058.4																
			0629	0630		1052.4	1047.0	0.4													
LPA 15+00	14	LT	0630		1050.4																
			0630	0631		1047.0	1046.1	0.5													
LPA 15+00	34	RT	0631		1049.1																
			0631	EX0632		1046.1	1043.9	0.9													
LPA 13+18	14	LT	0633		1046.1																
			0633	EX0634		1042.8	1040.1														
SHEET TOTALS												16									

LINE & STATION	FROM	TO	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
RPB 12+21	0503																				
	0503	0647		248																	
L 36+80	0601																				
L 40+00	0602																				
	0602	0604		296																	
L 42+94	0603																				
L 42+94	0604																				
	0604	0603			12																
L 43+50	0605																				
	0605	0604		56																	
LPA 20+80	0609																		6.000		
	0609	0610																120			
LPA 20+29	0610																				
Y1 19+00	0612																				
	0612	0613										28									
Y1 19+00	0613																				
	0613	0614												100							
Y1 19+99	0614																				
	0614	0615												44							
RPA 32+05	0615																				
	0615	0656												68							
RPA 32+05	0616																				
	0616	0615										60									
LPA 17+50	0620																				
	0620	0621																			
LPA 17+50	0621																				
	0621	0653				180															
RPA 22+00	0622																				
	0622	0623													64						
RPA 22+00	0623																				
	0623	EX0632					84														
RPA 27+25	0624																				
	0624	0625										8									
LPA 19+07	0625																				
	0625	0626										24									
LPA 19+00	0626																				
	0626	0627										140									
LPA 17+50	0627																				
	0627	0629										92									
LPA 16+50	0628																				
	0628	0629		24																	
LPA 16+50	0629																				
	0629	0630											140								
LPA 15+00	0630																				
	0630	0631											48								
LPA 15+00	0631																				
	0631	EX0632			84																
LPA 13+18	0633																				
	0633	EX0634		204																	
SHEET TOTALS				828	96	180	84					352	188	212	64			120	6.000		

LINE & STATION	FROM	TO	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
RPB 12+21	0503		1													1					1				
	0503	0647																							
L 36+80	0601																								
L 40+00	0602		1													1					1				
	0602	0604																							
L 42+94	0603																								
L 42+94	0604		1													1					1				
	0604	0603																							
L 43+50	0605		1														1				1				
	0605	0604																							
LPA 20+80	0609																								
	0609	0610																							
LPA 20+29	0610		1	5.0	13.3																				
Y1 19+00	0612		1								1		1	1											
	0612	0613																							
Y1 19+00	0613		1			1			1																
	0613	0614																							
Y1 19+99	0614		1			1			1																
	0614	0615																							
RPA 32+05	0615		1			1			1																
	0615	0656																							
RPA 32+05	0616		1								1		1	1											
	0616	0615																							
LPA 17+50	0620																								
	0620	0621																							
LPA 17+50	0621		1	0.3											1						1				
	0621	0653																							
RPA 22+00	0622		1	0.3											1						1				
	0622	0623																							
RPA 22+00	0623		1	2.9											1						1				
	0623	EX0632																							
RPA 27+25	0624		1								1		1	1											
	0624	0625																							
LPA 19+07	0625		1								1		1	1											
	0625	0626																							
LPA 19+00	0626		1			1		1																	
	0626	0627																							
LPA 17+50	0627		1			1		1																	
	0627	0629																							
LPA 16+50	0628		1													1					1				
	0628	0629																							
LPA 16+50	0629		1	1.0		1		1																	
	0629	0630																							
LPA 15+00	0630		1			1		1																	
	0630	0631																							
LPA 15+00	0631		1													1					1				
	0631	EX0632																							
LPA 13+18	0633		1			1	1																		
	0633	EX0634																							
SHEET TOTALS			22	9.5	13.3	8	1	4	3		4		4	4	3	5	1				9				

LINE & STATION	FROM	TO	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
RPB 12+21	0503																										
	0503	0647																									
L 36+80	0601									1			1														SPECIAL DETAIL (SEE PSH 2C-8)
L 40+00	0602																										
	0602	0604																									
L 42+94	0603									1			1														SPECIAL DETAIL (SEE PSH 2C-8)
L 42+94	0604																										
	0604	0603																									
L 43+50	0605																										
	0605	0604																									
LPA 20+80	0609																										
	0609	0610																									
LPA 20+29	0610				1					1																	
Y1 19+00	0612																										
	0612	0613																									
Y1 19+00	0613																										
	0613	0614																									
Y1 19+99	0614																										
	0614	0615																									
RPA 32+05	0615																										
	0615	0656																									
RPA 32+05	0616																										
	0616	0615																									
LPA 17+50	0620																				31						
	0620	0621																2									
LPA 17+50	0621																										
	0621	0653																									
RPA 22+00	0622																										
	0622	0623																									
RPA 22+00	0623																										
	0623	EX0632																									TIE PIPE TO EXISTING JB (14+79 -LPA- 115' RT)
RPA 27+25	0624																										
	0624	0625																									
LPA 19+07	0625																										
	0625	0626																									
LPA 19+00	0626																										
	0626	0627																									
LPA 17+50	0627																										
	0627	0629																									
LPA 16+50	0628																										
	0628	0629																									
LPA 16+50	0629																										
	0629	0630																									
LPA 15+00	0630																										
	0630	0631																									
LPA 15+00	0631																										
	0631	EX0632																									TIE PIPE TO EXISTING JB (14+79 -LPA- 115' RT)
LPA 13+18	0633																										
	0633	EX0634																									TIE PIPE TO EXISTING 3GI (10+96 -LPA- 108' LT)
SHEET TOTALS					1					3			2					2			31						

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