2MQ6010FQ2

COMPUTED BY:	CGM	DATE:	08/11/2026
CHECKED BY:	JJM	DATE:	08/11/2026

PROJECT NO.	SHEET NO.
U-3422B	3D-3

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, PVC, or PP PIPE) 12	15	18	24	30	36	42	48	DO NOT USE PP PIPE	C. S. PIPE 12 .064	15 .064	18 .064	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	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	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 W/ GRATE STD. 840.20	G.D.I. (W.S. FLAT) FR. W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FR. W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FR. W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FR. 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	ANG. VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	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 M.H.		FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONC. AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
			1203	1235		168.9	168.7																						72																																																									
L 129+06	4	RT	1204		176.7																																				1								1				1	1																														
			1204	1202		173.0	171.8																							64																																																								
L 129+72	2	LT	1205		176.5																																				1								1				1	1																														
			1205	1204		173.2	173.0																							64																																																								
L 131+00	55	LT	1206		175.4																																				1	1.9		1		1																																							
			1206	1210		168.5	168.2																						76																																																								
L 130+10	5	LT	1207		176.5																																				1								1				1	1																														
			1207	1205		173.3	173.2																							36																																																								
L 131+25	5	LT	1208		177.0																																				1								1				1	1																														
			1208	1207		173.8	173.3																							112																																																								
L 132+75	5	LT	1209		177.5																																				1								1				1	1																														
			1209	1208		174.4	173.8																							148																																																								
L 131+78	49	LT	1210		175.8																																				1	2.6		1		1																																							
			1210	1217		168.2	166.8																						472																																																								
L 128+28	78	LT	1211		176.6																																				1															1			1																									
			1211	1229		173.8	173.7	0.3														16																																																															
L 135+56	48	RT	1212		175.4																																				1	5.0		1		1																																							
			1212	1220		165.4	164.7																				244																																																										
Y5 11+77	7	RT	1213		174.7																																				1								1				1	1																														
			1213	1216		171.6	171.1																							124																																																									
Y5 11+20	74	LT	1214		174.5																																				1	3.9		1			1																																						
			1214	1212		165.6	165.4																				52																																																									
Y5 13+67	65	LT	1215		172.4																																				1	0.7		1			1																																						
			1215	1230		166.7	166.4																			96																																																											
Y5 13+00	7	RT	1216		174.2																																				1								1				1	1																														
			1216	1228		171.1	169.8																							68																																																								
L 136+50	49	LT	1217		174.1																																				1	2.3		1			1																																						
			1217	1219		166.8	165.7																						152																																																								
L 138+05	69	LT	1218		171.6																																				1												1	1																														
			1218	1219		167.8	167.7																									20																																																						
L 138+05	49	LT	1219		172.8																																				1	2.1		1			1																																						
			1219	1223		165.7	164.1																						108																																																								
L 138+00	37	RT	1220		173.6																																				1	3.9		1		1																																							
			1220	1221		164.7	164.4																				112																																																										
L 139+13	37	RT	1221		172.7																																				1	3.3		1	1																																								
			1221	1222		164.4	164.3																				32																																																										
L 139+13	5	RT	1222		173.8																																				1	4.5							1							1									1																			
			1222	1223		164.3	164.1																				52																																																										
L 139+13	49	LT	1223		172.5																																				1	3.4		1		1																																							
			1223	1224		164.1	162.8																						112																																																								
L 140+25	46	LT	1224		172.8																																				1	5.0		1		1																																							
			1224	1225		162.8	162.5																						76																																																								
L 141+00	40	LT	1225		173.1																																				1	5.0	0.6	1		1																																							
			1225	1324		162.5	162.0																						172																																																								
Y5 13+67	80	RT	1226		169.3																																																																																
			1226	1228		169.3	169.0																		80																																																												
Y5 13+67	85	LT	1227		170.6																																				1												1	1																														
			1227	1215		168.4	166.7																							20																																																								
Y5 13+67	7	RT	1228		174.0																																				1								1				1	1																														
SHEET TOTALS																						16		80	96	492		1240		636		20									24	43.6	0.6	12	1	7	4		9				10	10		2			1						1																			

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