2MQ6010FQ2

COMPUTED BY: CGM DATE: 08/11/2026

CHECKED BY: JJM DATE: 08/11/2026

PROJECT NO.	SHEET NO.
U-3422B	3D-7

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	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
L 182+22	37 RT	1528		170.2																															
		1528	1513		165.5	165.4																											32		
L 182+50	140 LT	1529									32																								
L 182+71	257 LT	1530									32																								
L 184+25	37 LT	1601		170.6																															
		1601	1512		166.9	166.3																									112				
L 186+35	37 LT	1602		172.1																															
		1602	1601		168.2	166.9																									208				
L 186+40	6 LT	1603		173.1																															
		1603	1602		168.3	168.2																									32				
L 186+53	37 RT	1604		172.2																															
		1604	1603		168.5	168.3																									44				
L 189+15	37 RT	1605		174.0																															
		1605	1640		171.0	169.5																							224						
L 191+13	8 RT	1606		175.6																															
		1606	1627		172.1	171.3																								32					
L 191+02	72 LT	1607		174.3																															
		1607	1625		171.1	170.6																								164					
L 192+19	37 LT	1608		174.1																															
		1608	1613		171.1	170.1																							132						
L 191+13	54 RT	1609		176.1																															
		1609	1627		172.2	171.3																								12					
L 191+65	44 RT	1610		174.7																															
		1610	1611		171.0	170.6																								48					
L 192+14	46 RT	1611		173.9																															
		1611	1612		170.6	170.1																								100					
L 193+14	55 RT	1612		173.8																															
		1612	1614		170.1	169.8																								64					
L 193+50	49 LT	1613		173.1																															
		1613	1615		170.1	168.0																							116						
L 193+77	61 RT	1614		173.2																															
		1614	1617		169.8	168.5																								124					
L 194+65	49 LT	1615		172.8																															
L 195+75	49 LT	1616		171.1																															
		1616	1615		168.1	168.0																							108						
L 195+00	58 RT	1617		171.8																															
		1617	1618		168.5	167.6																								88					
L 195+90	61 RT	1618		170.6																															
		1618	1628		167.6	164.3																								48					
L 196+81	61 RT	1619		169.2	165.8																														
L 196+91	63 RT	1620		169.7																															
		1620	1619		165.8	165.7																							12						
L 197+95	49 LT	1621		167.3																															
		1621	1629		164.1	160.8																								164					
L 198+12	61 RT	1622		167.5																															
		1622	1712		164.5	160.5																							136						
L 184+65	37 RT	1624		170.9																															
		1624	1515		167.1	165.8																									172				
L 189+43	37 LT	1625		174.2																															
		1625	1602		170.6	168.7																								308					
SHEET TOTALS											64																		728	1152	568		32		

LINE & STATION	FROM	TO	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
L 182+22	1528					1								
	1528	1513												
L 182+50	1529													
L 182+71	1530													
L 184+25	1601					1			1		1			
	1601	1512												
L 186+35	1602					1			1		1			
	1602	1601												
L 186+40	1603					1							1	
	1603	1602												
L 186+53	1604					1			1			1		
	1604	1603												
L 189+15	1605					1			1			1		
	1605	1640												
L 191+13	1606					1							1	
	1606	1627												
L 191+02	1607					1			1	1				
	1607	1625												
L 192+19	1608					1			1			1		
	1608	1613												
L 191+13	1609					1			1		1			
	1609	1627												
L 191+65	1610					1			1		1			
	1610	1611												
L 192+14	1611					1			1		1			
	1611	1612												
L 193+14	1612					1			1		1			
	1612	1614												
L 193+50	1613					1			1			1		
	1613	1615												
L 193+77	1614					1			1		1			
	1614	1617												
L 194+65	1615					1			1			1		
L 195+75	1616					1			1			1		
	1616	1615												
L 195+00	1617					1			1		1			
	1617	1618												
L 195+90	1618					1			1	1				
	1618	1628												
L 196+81	1619					1			1		1			
L 196+91	1620													
	1620	1619												
L 197+95	1621					1			1			1		
	1621	1629												
L 198+12	1622					1			1	1				
	1622	1712												
L 184+65	1624					1			1			1		
	1624	1515												
L 189+43	1625					1			1		1			
	1625	1602												
SHEET TOTALS						24			21	3	10	8	2	

LINE & STATION	FROM	TO	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
L 182+22	1528																					1		1											
	1528	1513																																	
L 182+50	1529																																		
L 182+71	1530																																		
L 184+25	1601																																	26	Pipe Removal for all of Sheet 16
	1601	1512																																	
L 186+35	1602																																		
	1602	1601																																	
L 186+40	1603				1	1																													
	1603	1602																																	
L 186+53	1604																																		
	1604	1603																																	
L 189+15	1605																																		
	1605	1640																																	
L 191+13	1606				1	1																													
	1606	1627																																	
L 191+02	1607																																		
	1607	1625																																	
L 192+19	1608																																		
	1608	1613																																	
L 191+13	1609																																		
	1609	1627																																	
L 191+65	1610																																		
	1610	1611																																	
L 192+14	1611																																		
	1611	1612																																	
L 193+14	1612																																		
	1612	1614																																	
L 193+50	1613																																		
	1613	1615																																	
L 193+77	1614																																		
	1614	1617																																	
L 194+65	1615																																		
L 195+75	1616																																		
	1616	1615																																	
L 195+00	1617																																		
	1617	1618																																	
L 195+90	1618																																		
	1618	1628																																	
L 196+81	1619																																		
L 196+91	1620																							1	1										
	1620	1619																																	
L 197+95	1621																																		
	1621	1629																																	
L 198+12	1622																																		
	1622	1712																																	
L 184+65	1624																																		
	1624	1515																																	
L 189+43	1625																																		
	1625	1602																																	
SHEET TOTALS					2	2																1		2	1									26	

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