2MQ6010FQ2

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CHECKED BY:	JJM	DATE:	08/11/2026

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3422B	3D-8

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 %
L 191+13	42	RT	1627		174.5			
			1627	1610		171.3	171.0	
L 196+32	37	RT	1628		170.2			
L 196+32	49	LT	1629		170.5			
			1629			158.3	157.4	
L 190+56	58	RT	1636		175.7			
			1636	1609		172.5	172.2	
L 186+53	54	RT	1637		171.8			
			1637	1604		169.3	169.0	
L 189+15	51	RT	1638		174.3			
			1638	1605		172.0	171.0	
L 184+65	53	RT	1639		170.3			
			1639	1624		167.3	167.1	
L 186+90	37	RT	1640		172.5			
			1640	1604		169.5	169.2	
L 199+50	5	LT	1701		165.2			
			1701	1702		162.5	156.5	
L 200+37	5	LT	1702		161.4			
			1702	1703		156.2	153.7	
L 200+70	5	LT	1703		160.0			
			1703	1707		153.7	152.7	
L 200+38	38	LT	1706		159.6			
			1706	1702		156.4	156.2	
L 201+09	93	RT	1707		163.7			
			1707	EX. CB		160.7	156.3	
L 200+37	61	RT	1709		164.1			
L 199+52	72	RT	1711		166.3			
			1711	1712		163.4	162.6	
L 199+52	61	RT	1712		166.6			
			1712	1709		160.3	159.7	
Y3 25+93	37	LT	1801		184.5			
			1801	1803		181.5	181.3	
Y3 27+12	7	RT	1802		185.2			
			1802	1819		179.9	179.7	
Y3 26+65	37	LT	1803		184.3			
			1803	1819		181.3	179.9	
Y3 26+16	80	RT	1804		183.9			
			1804	1806		180.9	180.4	
Y3 28+00	37	LT	1805		184.5			
			1805	1807		178.9	177.5	
Y3 27+12	56	RT	1806		184.2			
			1806	1802		180.1	179.9	
Y3 32+75	37	LT	1807		185.0			
			1807	1814		177.5	177.2	
Y3 32+50	37	RT	1808		185.0			
			1808	1809		182.0	181.3	
Y3 34+40	37	RT	1809		184.3			
			1809	1811		176.8	176.1	
SHEET TOTALS								

FROM	TO	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	
1627																														
1627	1610																							52						
1628																														
1629																														
1629									68																					
1636																														
1636	1609																							56						
1637																														
1637	1604																							16						
1638																														
1638	1605																						16							
1639																														
1639	1624																								16					
1640																														
1640	1604																						36							
1701																														
1701	1702																						88							
1702																														
1702	1703																							32						
1703																														
1703	1707																							16						
1706																														
1706	1702																							32						
1707																														
1707	EX. CB																													
1709																														
1711																														
1711	1712																						12							
1712																														
1712	1709																													
1801																														
1801	1803																						72							
1802																														
1802	1819																							40						
1803																														
1803	1819																						48							
1804																														
1804	1806																						96							
1805																														
1805	1807																	476												
1806																														
1806	1802																							48						
1807																														
1807	1814																	100												
1808																														
1808	1809																						188							
1809																														
1809	1811																	208												
SHEET TOTALS									68									784						556	292	16				

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	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
1627					1			1		1								
1627	1610																	
1628																		
1629																		
1629																		
1636					1			1	1									
1636	1609																	
1637					1												1	1
1637	1604																	
1638					1												1	1
1638	1605																	
1639					1												1	1
1639	1624																	
1640					1			1			1							
1640	1604																	
1701					1								1				1	1
1701	1702																	
1702					1	0.2							1				1	1
1702	1703																	
1703					1	1.3							1				1	1
1703	1707																	
1706					1			1		1								
1706	1702																	
1707																		
1707	EX. CB																	
1709																		
1711					1												1	1
1711	1712																	
1712					1	0.3		1		1								
1712	1709																	
1801					1			1			1							
1801	1803																	
1802					1	0.3							1				1	1
1802	1819																	
1803					1			1			1							
1803	1819																	
1804					1			1	1									
1804	1806																	
1805					1	0.3		1		1								
1805	1807																	
1806					1			1			1							
1806	1802																	
1807					1	2.5		1			1							
1807	1814																	
1808					1			1		1								
1808	1809																	
1809					1	2.5		1		1								
1809	1811																	
SHEET TOTALS					21	7.4		13	2	6	5		4				8	8

FROM	TO	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
1627																															
1627	1610																														
1628																									1						
1629																									1						
1629																															
1636																															
1636	1609																														
1637																															
1637	1604																														
1638																															
1638	1605																														
1639																															
1639	1624																														
1640																															
1640	1604																														
1701																														276	Pipe Removal for all of Sheet 17
1701	1702																														
1702																															
1702	1703																														
1703																															
1703	1707																														
1706																															
1706	1702																														
1707																						1									See Sheet 2C-2
1707	EX. CB																														
1709																								1							
1711																															
1711	1712																														
1712																															
1712	1709																														Existing 18" RCP
1801																															
1801	1803																														
1802																															
1802	1819																														
1803																															
1803	1819																														
1804																															
1804	1806																														
1805																															
1805	1807																														
1806																															
1806	1802																														
1807																															
1807	1814																														
1808																															
1808	1809																														
1809																															
1809	1811																														
SHEET TOTALS																						1		1	2					276	

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