2MQ6010FQ2

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

PROJECT NO.	SHEET NO.
U-3422B	3D-12

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 54 INCHES & OVER)

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 %	R. C. PIPE CLASS III 48	54	60	66	72	78	84		R. C. PIPE CLASS IV 48	54	60	66	72	78	84	
L 155+70	37 RT	1317		172.4																			
		1317	1401		156.9	156.1				280													
L 158+50	41 RT	1401		172.5																			
		1401	1424		156.1	155.8				88													
L 159+32	48 LT	1402		172.1																			
		1402	1407		155.6	154.8				268													
L 162+02	48 LT	1407		171.3																			
		1407	1418		154.8	154.6				36													
L 163+07	37 LT	1408		171.6																			
		1408	1411		154.4	153.4				336													
L 166+50	37 LT	1411		169.3																			
		1411	1414		153.4	153.2				80													
L 168+00	37 LT	1412		167.9																			
		1412	1416		152.9	152.3				176													
L 167+30	37 LT	1414		168.6																			
		1414	1412		153.2	152.9				68													
L 169+75	37 LT	1416		167.1																			
		1416	1501		151.8	151.6					120												
L 162+38	47 LT	1418		171.6																			
		1418	1408		154.6	154.4				68													
L 158+50	48 LT	1424		172.3																			
		1424	1402		155.8	155.6				80													
L 170+95	37 LT	1501		166.8																			
		1501	1519		151.6	151.5					44												
SHEET TOTALS										1480	164												
PROJECT TOTALS										1480	164												

LINE & STATION	FROM	TO	##" R.C. PIPE CULVERTS, CONTRACTOR DESIGN	##" R.C. PIPE CULVERTS, CONTRACTOR DESIGN	##" R.C. PIPE CULVERTS, CONTRACTOR DESIGN		##" x ##" C.S. PIPE ARCH CULVERTS, ##" THICK	##" x ##" C.S. STRUCTURAL PLATE PIPE ARCH, ## GAUGE	##" WELDED STEEL PIPE ##" THICK, GRADE ## IN SOIL	##" WELDED STEEL PIPE ##" THICK, GRADE ## NOT IN SOIL	##" WELDED STEEL PIPE ##" THICK, GRADE B (UNDER RR)							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	
L 155+70	1317																			9.650				1	1			
L 158+50	1401																			10.659				1		1		
L 159+32	1402																			10.714				1			1	
L 162+02	1407																			10.714				1	1			
L 163+07	1408																			11.352				1		1		
L 166+50	1411																			10.203				1			1	
L 168+00	1412																			9.382				1			1	
L 167+30	1414																			9.711				1			1	
L 169+75	1416																			9.656				1			1	
L 162+38	1418																			10.709								
L 158+50	1424																			10.750				1			1	
L 170+95	1501																			8.962				1	1			
SHEET TOTALS																				122.462				11	3	2	6	
PROJECT TOTALS																				122.462				11	3	2	6	

LINE & STATION	FROM	TO	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) FR. WITH 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	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TEMP STEEL PLATE COVER MASONRY DRAIN.	ENERGY DISSIPATOR BASIN	SPRING BOX STD. 840.41		M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	PIPE REMOVAL LIN. FT.	REMARKS
L 155+70	1317																																		See Sheet 2C-6 Special Design CB
																																			See Sheet 2C-6 Special Design CB
L 158+50	1401																																		See Sheet 2C-6 Special Design CB
L 159+32	1402																																		See Sheet 2C-6 Special Design CB
L 162+02	1407																																		See Sheet 2C-6 Special Design CB
L 163+07	1408																																		See Sheet 2C-6 Special Design CB
L 166+50	1411																																		See Sheet 2C-6 Special Design CB
L 168+00	1412																																		See Sheet 2C-6 Special Design CB
L 167+30	1414																																		See Sheet 2C-6 Special Design CB
L 169+75	1416																																		See Sheet 2C-6 Special Design CB
L 162+38	1418																						1									1		See Sheet 2C-7
L 158+50	1424																																		See Sheet 2C-6 Special Design CB
L 170+95	1501																																		See Sheet 2C-6 Special Design CB
	1501	1519																											1						
SHEET TOTALS																							1					1				1		
PROJECT TOTALS																							1					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