2MQ6010FQ2

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

PROJECT NO.	SHEET NO.
U-3422B	3D-5

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 %
L 148+84	55	RT	1319		172.1			
			1319	1311		169.1	168.8	
L 151+25	37	LT	1320		171.8			
			1320	1315		159.5	159.2	
L 151+25	58	LT	1321		170.4			
			1321	1320		168.1	168.1	
L 142+02	52	LT	1322		173.3			
			1322	1323		171.0	170.7	
L 142+73	52	LT	1323		172.9			
			1323	1324		170.7	170.0	
L 142+73	37	LT	1324		173.0			
			1324	1301		162.0	161.8	
L 155+70	301	RT	1325		173.0			
			1325	1317		160.6	156.6	
Y5 31+81	445	LT	1326		176.3			
			1326	1327		163.0	162.6	
Y5 30+34	446	LT	1327		176.0			
			1327	1308		162.6	160.9	
L 149+15	8	LT	1328		173.0			
			1328	1310		169.7	169.6	
L 160+25	48	RT	1403		171.8			
			1403	1404		168.8	168.3	
L 161+18	48	RT	1404		171.9			
			1404	1405		168.3	168.1	
L 161+18	7	LT	1405		172.8			
			1405	1406		168.1	167.9	
L 162+02	8	LT	1406		172.6			
			1406	1407		167.9	167.7	
L 166+50	7	RT	1410		171.4			
			1410	1413		168.2	167.1	
L 167+30	7	RT	1413		170.3			
			1413	1414		167.1	165.6	
L 169+15	49	RT	1415		167.0			
			1415	1423		164.0	162.6	
L 159+32	64	LT	1417		171.8			
			1417	1402		169.6	169.1	
L 162+38	72	LT	1419		171.1			
			1419	1418		168.8	167.4	
L 165+00	7	RT	1420		173.0			
			1420	1410		169.8	168.2	
L 169+90	51	RT	1422		163.9			
			1422	1423		161.9	161.9	
L 169+90	49	RT	1423		166.7			
			1423	1502		160.9	160.6	
L 163+07	8	LT	1425		172.7			
			1425	1408		169.4	169.3	
L 163+69	8	LT	1426		172.7			
			1426	1425		169.7	169.4	
L 162+25	8	RT	1427		172.9			
			1427	1406		168.0	167.9	
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	
1319																														
1319	1311																					92							
1320																														
1320	1315																			100									
1321																														
1321	1320																					20							
1322																														
1322	1323																					68							
1323																														
1323	1324																					16							
1324																														
1324	1301																			88									
1325																														
1325	1317																			264									
1326																														
1326	1327																			144									
1327																														
1327	1308																			572									
1328																														
1328	1310																					28							
1403																														
1403	1404																					92							
1404																														
1404	1405																					52							
1405																														
1405	1406																					84							
1406																														
1406	1407																					40							
1410																														
1410	1413																					80							
1413																														
1413	1414																					44							
1415																														
1415	1423																					76							
1417																														
1417	1402																					16							
1419																														
1419	1418																					24							
1420																														
1420	1410																					148							
1422																														
1422	1423																4													
1423																														
1423	1502																									104			
1425																														
1425	1408																					28							
1426																														
1426	1425																					60							
1427																														
1427	1406																					28							
SHEET TOTALS																	4				1168		996				104			

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
1319					1			1	1									
1319	1311																	
1320					1	5.0	2.3	1		1								
1320	1315																	
1321					1												1	1
1321	1320																	
1322					1												1	1
1322	1323																	
1323					1												1	1
1323	1324																	
1324					1	5.0	1.0	1			1							
1324	1301																	
1325					1	5.0	2.4											
1325	1317																	
1326					1	5.0	3.2											
1326	1327																	
1327					1	5.0	3.4											
1327	1308																	
1328					1								1				1	1
1328	1310																	
1403					1			1		1								
1403	1404																	
1404					1			1		1								
1404	1405																	
1405					1								1				1	1
1405	1406																	
1406					1								1				1	1
1406	1407																	
1410					1								1				1	1
1410	1413																	
1413					1								1				1	1
1413	1414																	
1415					1			1		1								
1415	1423																	
1417					1												1	1
1417	1402																	
1419					1												1	1
1419	1418																	
1420					1								1				1	1
1420	1410																	
1422																		
1422	1423																	
1423					1	0.9		1		1								
1423	1502																	
1425					1								1				1	1
1425	1408																	
1426					1								1				1	1
1426	1425																	
1427					1								1				1	1
1427	1406																	
SHEET TOTALS					24	25.9	12.3	7	1	5	1		9				14	14

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
1319																															
1319	1311																														
1320																															
1320	1315																														
1321																															
1321	1320																														
1322																															
1322	1323																														
1323																															
1323	1324																														
1324																															
1324	1301																														
1325															1				1												See Special Detail 2C-1
1325	1317																														
1326															1				1												See Special Detail 2C-1
1326	1327																														
1327															1				1												See Special Detail 2C-1
1327	1308																														
1328																															
1328	1310																														
1403																															
1403	1404																														
1404																															
1404	1405																														
1405																															
1405	1406																														
1406																															
1406	1407																														
1410																															
1410	1413																														
1413																															
1413	1414																														
1415																															
1415	1423																														
1417																															
1417	1402																														
1419																															
1419	1418																														
1420																															
1420	1410																														
1422																												0.5526			
1422	1423																														
1423																															
1423	1502																										9				
1425																															
1425	1408																														
1426																															
1426	1425																														
1427																															
1427	1406																														
SHEET TOTALS															3				3								9	0.5526			

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