2MQ6010FQ2

COMPUTED BY: CGM DATE: 08/11/2026

CHECKED BY: JJM DATE: 08/11/2026

PROJECT NO.	SHEET NO.
U-3422B	3D-11

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)
Y5 37+98	37 RT	1944		174.5															
		1944	1945		168.3	167.9													
Y5 36+50	37 RT	1945		175.1															
		1945	1946		167.9	167.4													
Y5 35+15	41 RT	1946		175.4															
		1946	1933		167.4	166.6													
Y5 38+00	37 LT	1947		174.5															
		1947	1937		168.7	168.5													
Y5 38+75	37 LT	1948		174.2															
		1948	1947		168.9	168.7													
Y5 41+13	44 LT	1950									28								
Y5 41+80	42 RT	1951									24								
SHEET TOTALS											52								
PROJECT TOTALS									60		116				68				

LINE & STATION	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	
Y5 37+98																	
(1944–1945)						148											
Y5 36+50																	
(1945–1946)						136											
Y5 35+15																	
(1946–1933)						288											
Y5 38+00																	
(1947–1937)					76												
Y5 38+75																	
(1948–1947)													76				
Y5 41+13																	
Y5 41+80																	
SHEET TOTALS					76	572							76				
PROJECT TOTALS		32	476	1744	1888	1480	172	4196		7864	2532	1508	380	596			

LINE & STATION	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES 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	
Y5 37+98				1	1.2		1		1		
(1944–1945)											
Y5 36+50				1	2.2		1		1		
(1945–1946)											
Y5 35+15				1	3.0		1		1		
(1946–1933)											
Y5 38+00				1	0.8		1			1	
(1947–1937)											
Y5 38+75				1	0.3		1			1	
(1948–1947)											
Y5 41+13											
Y5 41+80											
SHEET TOTALS				5	7.5		5		3	2	
PROJECT TOTALS	3.400			240	220.0		153	31	68	54	

NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)

LINE & STATION	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
SHEET TOTALS																																				
PROJECT TOTALS	51				74	74		3			1				1		5			4		2	4	7	1		1		1	2		9	0.5526		939	

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