MOZINGOC

COMPUTED BY:	NCDOT	**DATE:**	
CHECKED BY:	C. MOZINGO	**DATE:**	11/7/2017

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3334B	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 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 %
L 91+11	10	LT	1001		156.7			
			1001	1016		147.9	147.6	
L 90+83	77	LT	1015		200.0			
			1015	1001		148.2	147.9	
L 117+89	83	RT	1203		145.0			
			1203	1204		137.9	137.8	0.6
DRW2 10+82	17	RT	1204		146.8			
			1204	1205		137.8	137.2	
L 118+91	74	RT	1205		144.0			
			1205	1207		137.2	136.3	
L 120+34	80	RT	1207		144.0			
			1207	1208		136.3	136.2	

Structure (From–To)	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	54	60	66	72	78	84	DO NOT USE PVC	C. S. PIPE 12 (.064)	54	60	66	72	78	84	
1001																
1001–1016																
1015																
1015–1001																
1203																
1203–1204																
1204																
1204–1205																
1205																
1205–1207																
1207																
1207–1208																
SHEET TOTALS																
PROJECT TOTALS																

Structure (From–To)	R. C. PIPE CLASS III 54	60	66	72	78	84		R. C. PIPE CLASS IV 54	60	66	72	78	84		R. C. PIPE CLASS V 54	60	66	72	78	84		STRUCTURAL PLATE PIPE 60	66	72	
1001																									
1001–1016										92															
1015																									
1015–1001										76															
1203																									
1203–1204		24																							
1204																									
1204–1205		80																							
1205																									
1205–1207		152																							
1207																									
1207–1208		20																							
SHEET TOTALS		276								168															
PROJECT TOTALS		276								168															

Structure (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
1001			8.150										
1001–1016													
1015		6.300											
1015–1001													
1203		5.600											
1203–1204													
1204			1.594				1		1				
1204–1205													
1205			5.960										
1205–1207													
1207			6.389										
1207–1208													
SHEET TOTALS		11.900	22.093				1		1				
PROJECT TOTALS		11.900	22.093				1		1				

Structure (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 WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME 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	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	ENERGY DISSIPATION BASIN		CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
1001									1												1					SEE SHEETS 2C-7 & 2C-9 FOR DETAILS
1001–1016																										
1015																										
1015–1001																										
1203																										
1203–1204																										
1204																										SEE SHEET 2C-1 FOR DETAIL
1204–1205																										
1205																		1								Slab Lid
1205–1207																										
1207																		1								Slab Lid
1207–1208																										
SHEET TOTALS									1									2			1					
PROJECT TOTALS									1									2			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