COMPUTED BY: Jeremy L. Keaton, PLS	DATE: Oct. 11, 2018
CHECKED BY: Scott A. Jones, PE	DATE: Oct. 12, 2018

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
I-5823	3D-5

NOTE: Invert Elevations 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" & UNDER)

STATION	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS IV R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"
-EOT11- 754+10	LT	1205		728.1											
		1205	1204		725.1	721.7			200						
-EOT11- 752+10	LT	1204		724.7											
		1204	1203		721.7	718.1			200						
-EOT11- 750+10	LT	1203		721.1											
		1203	1202		718.1	714.2			200						
-EOT11- 748+00	LT	1202		717.7											
		1202	1201		714.2	173.2									
-EOT12- 774+65	LT	1303		762.1											
		1303	1302		759.1	756.1			184						
-EOT12- 772+80	LT	1302		759.1											
		1302	1301		756.1	743.8									
-EOT12- 778+65	LT	1306		768.9											
		1306	1305		765.9	762.6			200						
-EOT12- 776+65	LT	1305		765.6											
		1305	1304		762.6	747.7									
-EOT12- 780+65	LT	1308		772.1											
		1308	1307		769.1	754.0									
-EOT12- 775+02	LT	1309				OUT				8					
SHEET TOTAL									992	8					
PROJ TOTAL									4952	8	8				

STATION	FROM	TO	C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	CLASS III R.C. PIPE OR ALUMINIZED C.S. PIPE, TYPE IR OR HDPE PIPE, TYPE S OR D 12"	15"	18"	24"	30"	36"	42"	48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE
-EOT11- 754+10	1205																				
	1205	1204																			
-EOT11- 752+10	1204																				
	1204	1203																			
-EOT11- 750+10	1203																				
	1203	1202																			
-EOT11- 748+00	1202																				
	1202	1201				24															
-EOT12- 774+65	1303																				
	1303	1302																			
-EOT12- 772+80	1302																				
	1302	1301			32																
-EOT12- 778+65	1306																				
	1306	1305																			
-EOT12- 776+65	1305																				
	1305	1304			56																
-EOT12- 780+65	1308																				
	1308	1307		56																	
-EOT12- 775+02	1309																				
SHEET TOTAL				56	88	24															
PROJ TOTAL				488	88	484															

STATION	FROM	TO	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. TYPE "D" STD. 840.19 OR 840.28	TEMPORARY STEEL PLATE COVER	T.B.D.I. STEEL FRAME WITH TWO GRATES STD. 840.37	T.B.D.I. STD. 840.35	G.D.I. FRAME WITH TWO GRATES STD. 840.20	G.D.I. TYPE "B" STD. 840.18 OR 840.27	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL "B" C.Y. STD. 840.72	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
-EOT11- 754+10	1205				1										1	1								78	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1205	1204																							
-EOT11- 752+10	1204				1										1	1								43	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1204	1203																							
-EOT11- 750+10	1203				1										1	1								66	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1203	1202																							
-EOT11- 748+00	1202				1										1	1								26	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1202	1201																	2@24"						
-EOT12- 774+65	1303				1										1	1								69	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1303	1302																							
-EOT12- 772+80	1302				1										1	1								22	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1302	1301																	2@18"						
-EOT12- 778+65	1306				1										1	1								45	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1306	1305																							
-EOT12- 776+65	1305				1										1	1								55	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1305	1304																	2@18"						
-EOT12- 780+65	1308				1										1	1								58	REMOVE EXISTING FUNNEL DRAIN & PIPE
	1308	1307																	2@15"						
-EOT12- 775+02	1309																			0.4465					
SHEET TOTAL					9										9	9			2@15" 4@18" 2@24"	0.4465				462	
PROJ TOTAL					58	0.4						6	6	6	48	48	4	4	30@15" 4@18" 22@24"	0.9991				1927	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

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