COMPUTED BY:	HLE	DATE:	8/13/2015
CHECKED BY:	SKR	DATE:	9/23/2016

RD-299043

PROJECT NO.	SHEET NO.
U-3633	3D-6

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)

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL
-L- 78+05	RT	0810		671.59	666.40		
		0810	0813		668.59	657.72	
-Y11- 19+11	RT	0811					
-L- 81+00	RT	0813		660.72	657.47		
		0813	0820		657.47	653.21	
-L- 81+00	LT	0814		660.76	657.59		
		0814	0821		657.59	653.46	
-Y12- 14+51	RT	0815		661.10	658.10		
		0815	0836		658.10	658.28	
-Y11- 17+30	RT	0816		672.04	669.04		
		0816	0847		669.04	662.00	
-Y11- 17+00	LT	0817		674.14	670.52		
-L- 82+08	RT	0820		656.46	652.71		
		0820	901		652.71	635.74	
-L- 82+08	LT	0821		656.46	653.21		
		0821	0820		653.21	652.71	
-Y12- 13+42	LT	0822		669.80	663.35		
-Y11- 17+06	RT	0823		673.40	670.40		
		0823	0816		670.40	669.04	
-Y11- 17+68	LT	0824		672.85	670.60		
		0824	0860		670.60	669.15	
-Y11- 19+12	LT	0825		671.90	669.60		
-L- 79+09.07	LT	0828		665.60	662.60		
		0828	0829		662.60	662.10	
-L- 79+88	LT	0829		665.10	662.10		
		0829	0830		662.10	660.20	
-L- 80+30	LT	0830		663.20	660.20		
		0830	0831		660.20	659.61	
-L- 80+54	LT	0831		662.61	659.61		
		0831	0814		659.61	657.59	
-L- 80+74.5	RT	0834		662.36	659.19		
		0834	0813		659.19	657.72	
-Y12- 12+99	LT	0835		670.15	667.90		
		0835	0822		667.90	663.35	
-Y12- 14+67	LT	0836		660.12	658.28		
-Y11- 22+05	LT	0839					
SHEET TOTALS							

Pipes — DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC); C.S. PIPE (12" .064, 15" .064, 18" .064, 24" .064, 30" .079, 36" .079, 42" .109, 48" .109); R.C. PIPE CLASS III; R.C. PIPE CLASS IV (columns with no entries omitted: all other sizes empty)

FROM	TO	DRAINAGE PIPE 15"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	R.C. PIPE CLASS III 15"	R.C. PIPE CLASS III 18"	R.C. PIPE CLASS IV 15"	R.C. PIPE CLASS IV 18"	R.C. PIPE CLASS IV 24"
0810	0813								292		
0813	0820									104	
0814	0821								104		
0815	0836						44				
0816	0847						72				
0820	901										304
0821	0820							68			
0823	0816						32				
0824	0860						24				
0828	0829								76		
0829	0830						40				
0830	0831						28				
0831	0814								44		
0834	0813						40				
0835	0822	52		X	X						
SHEET TOTALS		52					280	68	516	104	304

STATION	LOC.	FROM	TO	36" SLUICE GATE	42" SLUICE GATE (SEE DETAIL 2C-1)	ENDWALLS R.C.P. (CU. YARDS)	ENDWALLS C.S.P. (CU. YARDS)	PER EACH (0' THRU 5.0')	A: 5.0' THRU 10.0'	B: 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	E	F	G	DROP INLET	CATCH BASIN	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	ENERGY DISSIPATOR BASIN	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	CONVERT EXISTING CB TO JB (SEE DETAIL 2C-3)	MANHOLE FRAME AND COVER STD. 840.54	CONVERT EXISTING DI TO JB (SEE DETAIL 2C-3)	4" CONCRETE PAVED DITCH, S.Y.	CONVERT EXISTING JB TO DI (SEE DETAIL 2C-4)	ADJUST CB	FLOWABLE FILL PIPE PLUG (CY)	C. S. PIPE ELBOWS NO. & SIZE	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
-L- 78+05	RT	0810						1			1		1																									
		0810	0813																																		43	
-Y11- 19+11	RT	0811						1																		1		1										REMOVE EXISTING JB
-L- 81+00	RT	0813						1			1		1																									
		0813	0820																																		30	
-L- 81+00	LT	0814						1			1			1																								
		0814	0821																																		26	REMOVE EXISTING HW's
-Y12- 14+51	RT	0815						1			1		1																									
		0815	0836																																		8	
-Y11- 17+30	RT	0816						1			1		1																									
-Y11- 17+00	LT	0817						1							1		1	1																			24	REMOVE EXISTING CB
-L- 82+08	RT	0820						1			1		1																									
		0820	901																																		73	
-L- 82+08	LT	0821						1			1			1																								
-Y12- 13+42	LT	0822						1	1.45		1		1																									
-Y11- 17+06	RT	0823						1													1							1										REMOVE EXISTING JB
		0823	0816																																		40	REMOVE EXISTING CB
-Y11- 17+68	LT	0824						1									1	1																				
		0824	0860																																	0.3990		REMOVE EXISTING DI
-Y11- 19+12	LT	0825						1			1			1																								
-L- 79+09.07	LT	0828						1			1	1																										REMOVE EXISTING CB
		0828	0829																																		77	
-L- 79+88	LT	0829						1			1	1																									9	REMOVE EXISTING CB
		0829	0830																																		29	REMOVE EXISTING CB
-L- 80+30	LT	0830						1			1			1																							29	REMOVE EXISTING CB
		0830	0831																																		72	
-L- 80+54	LT	0831						1			1			1																								
-L- 80+74.5	RT	0834						1							1		1	1																			28	
-Y12- 12+99	LT	0835						1									1	1																				
		0835	0822																																		29	REMOVE EXISTING DI
-Y12- 14+67	LT	0836						1									1	1																				
-Y11- 22+05	LT	0839						1			1			1																							20	REMOVE EXISTING DI
SHEET TOTALS								21	1.45		14	2	6	6	2		5	5			1					1		2								0.399	537	

*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

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.)	(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