COMPUTED BY: D.R.ETHRIDGE DATE: 9/5/2017
CHECKED BY: DRE DATE: 9/5/2017

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
37742	3D-3

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	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	THICKNESS OR GAUGE	C.S. PIPE SIZE 12"	15"	18"	24"	30"	36"	42"	48"	THICKNESS OR GAUGE .064	.064	.064	.064	.079	.079	.109	.109
		807	804		140.7'	141.1'																														
-L- 60+17.41	LT	804		144.5'	141.1'																															
		804	803		141.1'	141.8'																														
-L- 59+65.24	LT	803		144.8'	141.8'																															
		804	806		141.1'	141.3'																														
-Y12- 10+59.66	LT	806		144.5'	141.3'																															
		806	805		141.3'	141.5'																														
-Y12- 10+55.78	RT	805		143.8'	141.5'																															
-L- 56+79.68	RT	721		147.1'	144.0'																															
		721	722		144.0'	143.8'																														
-L- 56+68.25	RT	722		149.4'	143.8'																															
		722	802		143.8'	142.6'																														
-L- 59+03.55	RT	802		145.9'	142.3'																															
		802	801		142.3'	142.5'																														
-L- 59+03.55	RT	801		144.7'	142.5'																															
		802	808		142.3'	140.3'																														
-L- 60+10.46	RT	808		145.0'	140.3'																															
		808	807		140.3'	140.7'																														
		808	809		140.3'	140.0'																														
-L- 60+59.30	RT	809		144.8'	140.0'																															
		809	852		140.0'	138.5'																														
-L- 60+59.30	RT	852			138.5'																															
-L- 60+66.50	RT	853			138.5'																															
		853	812		138.5'	138.7'																														
-L- 60+66.50	RT	812		144.7'	138.7'																															
		812	811		138.7'	138.9'																														
-L- 60+95.80	RT	811		144.6'	138.9'																															
		811	810		140.8'	141.1'																														
-L- 60+99.60	LT	810		144.0'	141.1'																															
		810	850		141.1'	141.3'																														
-L- 61+52.00	LT	850		143.5'	141.3'																															
		811	818		138.9'	139.4'																														
-L- 63+15.90	RT	818		144.0'	139.4'																															
		818	817		139.4'	139.5'																														
-L- 63+15.90	LT	817		144.0'	139.5'																															
		817	851		139.5'	141.3'																														
-L- 62+76.20	LT	851		143.5'	141.3'																															
		817	816		139.5'	139.7'																														
-L- 63+52.30	LT	816		144.0'	139.7'																															
		816	815		139.7'	139.8'																														
-L- 63+58.93	LT	815		143.4'	139.8'																															
		815	814		139.8'	139.9'																														
-Y13- 12+74.90	LT	814		142.9'	139.9'																															
		814	813		139.9'	140.2'																														
-Y13- 12+74.90	RT	813			140.2'																															
-L- 65+09.99	RT	820		141.2'	138.9'																															
		820	821		138.9'	138.7'																														
SHEET 3D-3 TOTAL																																				

STATION	R.C. PIPE CLASS III SIZE 12"	15"	18"	24"	30"	36"	42"	48"	THICKNESS OR GAUGE	R.C. PIPE CLASS IV SIZE 12"	15"	18"	24"	30"	36"	42"	48"	THICKNESS OR GAUGE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. 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	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE STD. 840.16	GRATED D.I. TYPE "B" STD. 840.18 OR 840.27	FRAME WITH TWO NARROW SLOT FLAT GRATES STD. 840.29	J.B. STD. 840.31 OR 840.32	T.B. GRATED D.I. STD. 840.35	M.H. FRAME & COVER STD. 840.54	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
				16'																																	
-L- 60+17.41																					1								1	1							
		52'																																			
-L- 59+65.24																					1								1	1							45'	REMOVE DI
			36'																																		
-Y12- 10+59.66																					1										1	1					31'	
											32'																										
-Y12- 10+55.78																					1										1	1					37'	
-L- 56+79.68																					1								1	1							42'	
		28'																																			
-L- 56+68.25																					1	0.6'		1		1											43'	
											236'																										
-L- 59+03.55																					1			1		1												
		16'																																			
-L- 59+03.55																					1								1	1							44'	
											108'																										
-L- 60+10.46																					1			1		1												
														40'																							
														48'																							
-L- 60+59.30																					1			1		1												
				24'																																	
-L- 60+59.30																																					
-L- 60+66.50																																					
				24'																																	
-L- 60+66.50																					1	1.0'		1		1												
														28'																							
-L- 60+95.80																					1	0.7'		1		1											47'	
											52'																										
-L- 60+99.60																					1								1	1							34'	REMOVE DI
		52'																																			
-L- 61+52.00																					1								1	1							18'	
														220'																							
-L- 63+15.90																					1			1		1												
														40'																							
-L- 63+15.90																					1			1			1											110'	
		40'																																			
-L- 62+76.20																					1										1		1				36'	
														36'																							
-L- 63+52.30																					1			1			1											33'	
				16'																																	
-L- 63+58.93																					1								1	1							13'	
				40'																																	
-Y13- 12+74.90																					1										1		1				24'	REMOVE DI
												28'																									
-Y13- 12+74.90																																					95'
-L- 65+09.99																					1								1	1							44'	
		16'																																			
SHEET 3D-3 TOTAL		204'	36'	72'	48'						428'	28'		412'							21	2.3		9		7	2		8	8	2	4		2			696'	

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