COMPUTED BY:	DRE	DATE:	2/16/2018
CHECKED BY:	DRE	DATE:	2/16/2018

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5601DO	3D-1

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												DRAINAGE PIPE THICKNESS OR GAUGE							
								12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	.064	.064	.064	.064	.079	.079	.109	.109
-Y28- 14+18.63	RT	416			149.00'																						
		416	415		149.00'	149.40'																					
-Y28- 14+63.00	RT	415		156.70'	149.40'																						
		415	425		149.40'	150.40'																					
-Y28- 15+76.85	RT	425		156.60'	150.40'																						
		425	420		150.40'	151.90'																					
-Y28- 17+46.50	RT	420		157.70'	151.90'																						
		420	421		151.90'	152.70'																					
-Y28- 17+46.02	RT	421		156.30'	152.70'																						
		421	422		152.70'	153.00'																					
-Y28- 17+18.81	RT	422		157.10'	153.00'																						
		422	423		153.00'	153.20'																					
-Y28- 16+78.78	RT	423		156.20'	153.20'																						
		420	413		151.90'	153.10'																					
-Y28- 18+70.18	RT	413		159.60'	153.10'																						
		413	412		153.10'	153.30'																					
-Y28- 18+70.01	RT	412		157.10'	153.30'																						
-Y28- 20+10.92	RT	427			159.20'																						
		427	410		159.20'	159.30'																					
-Y28- 20+18.80	RT	410		162.90'	159.30'																						
-Y28- 21+02.45	RT	426			161.90'																						
		426	417		161.90'	162.60'																					
-Y28- 21+19.91	RT	417		165.60'	162.60'																						
SHEET 3D-1 TOTAL																											
SHEET 3D-1 TOTAL																											
PROJECT TOTAL																											

STATION	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	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"
-Y28- 14+18.63																								
																				52'				
-Y28- 14+63.00																								
																				116'				
-Y28- 15+76.85																								
																				168'				
-Y28- 17+46.50																								
																		12'						
-Y28- 17+46.02																								
																		28'						
-Y28- 17+18.81																								
																		40'						
-Y28- 16+78.78																								
																				124'				
-Y28- 18+70.18																								
																				20'				
-Y28- 18+70.01																								
-Y28- 20+10.92																								
																		8'						
-Y28- 20+18.80																								
-Y28- 21+02.45																								
																		16'						
-Y28- 21+19.91																								
SHEET 3D-1 TOTAL																		104'		480'				
SHEET 3D-1 TOTAL																		104'		480'				
PROJECT TOTAL																		104'		480'				

STATION	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	T.B.J.B. STD. 840.34	FLOWABLE FILL (CY)	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
-Y28- 14+18.63																		52'	
-Y28- 14+63.00			1	2.3'		1			1										
-Y28- 15+76.85			1	1.2'		1	1									15.9			
-Y28- 17+46.50			1	0.8'		1			1							30.5			
-Y28- 17+46.02			1								1	1							
-Y28- 17+18.81			1			1			1									60'	
-Y28- 16+78.78			1			1		1											
-Y28- 18+70.18			1	1.5'		1			1										
-Y28- 18+70.01			1										1						
-Y28- 20+10.92																	0.3990	5'	
-Y28- 20+18.80			1			1			1										
-Y28- 21+02.45																	0.3990	2'	
-Y28- 21+19.91			1			1			1										
SHEET 3D-1 TOTAL			10	5.8		8	1	1	6			1	1	1		46.4		0.798	119'
SHEET 3D-1 TOTAL			10	5.8'		8	1	1	6			1	1	1		46.4		0.7980	119'
PROJECT TOTAL			10	5.8		8	1	1	6			1	1	1		46.4		0.7980	119'
				6												50	1	1	

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