DIV3-298790

COMPUTED BY: MAI DATE: 4/21/2017

CHECKED BY: DATE:

PROJECT NO.	SHEET NO.
SR-5001CB	3D-2

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 / SIZE / THICKNESS OR GAUGE	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	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"
-L-																																											
13+21.12	RT	FES		29.58	28.33																																						
13+48.62	RT	404		30.41	27.58																																						
		FES	404		28.33	27.58																															40						
15+50.12	RT	500		30.18	26.30																																						
		404	500		27.33	26.30																																200					
15+50.01	RT	501		29.01	26.08																																						
		501	500		26.08	26.02																															20						
17+50.24	RT	502		28.89	24.70																																						
		500	502		25.80	24.70																																	200				
18+25.14	RT	503		29.00	24.10																																						
		502	503		24.70	24.10																																	75				
18+60.69	RT	504		28.95	23.82																																						
		503	504		24.10	23.82																																	35				
		IN	504		23.82	23.82																																					43
		504	OUT		23.82	23.82																																					20
19+00	RT	505		29.07	25.00																																						
		505	504		25.00	23.82																															40						
19+25	RT	506		29.02	25.59																																						
		506	505		25.59	25.00																															25						
19+75	RT	507		29.10	25.94																																						
		507	506		25.94	25.59																															50						
20+24.84	RT	508		29.12	26.29																																						
		508	507		26.29	25.94																															50						
24+73.76	RT	600		28.96	22.68																																						
		IN	600		23.01	22.68																																					45
		600	OUT		22.68	22.50																																					24
25+76.46	RT	601		28.63	23.24																																						
		601	600		23.24	23.04																																	100				
25+76.30	RT	602		28.26	25.21																																						
		602	601		25.21	25.15																															20						
27+00.31	RT	700		28.45	23.42																																						
		700	601		23.42	23.24																																	125				
29+51.29	RT	701		28.20	23.77																																						
		701	700		23.77	23.42																																	250				
30+91.07	RT	702		28.24	23.97																																						
		702	701		23.97	23.77																																	140				
30+91.05	RT	703		28.34	25.29																																						
		703	702		25.29	25.23																															20						
SHEET TOTALS																																					265	200	925				132

STATION	FROM	TO	** " R.C. PIPE (CLASS V)	***" RC PIPE CULVERTS, CONTRACTOR DESIGN	***" RC PIPE CULVERTS, CONTRACTOR DESIGN	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS 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. 840.03	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	PIPE END SECTION STD. 310.02	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATE STD. 840.16	GRATE WITH FRAME, DRIVEWAY DROP INLET	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	T.B.D.I. STD. 480.35	36" WELDED STEEL PIPE (TRENCHLESS) (LF)	M.H. FRAME AND COVER STD. 840.54	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	T.B.J.B. STD. 840.34	BERM DITCH OUTLET	ENERGY DISSAPATOR	SIDE DRAIN PIPE ELBOWS NO. & SIZE	SIDE DRAIN 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-																																						
13+21.12	FES																		1																			
13+48.62	404									1			1	1																								
	FES	404																																				
15+50.12	500									1			1	1																								
	404	500																																				
15+50.01	501									1											1																	
	501	500																																				
17+50.24	502									1			1	1																								
	500	502																																				
18+25.14	503									1			1	1																								
	502	503																																				
18+60.69	504									1	0.13		1	1																								
	503	504																																				
	IN	504																																			56.00	
	504	OUT																																				
19+00	505									1			1	1																								
	505	504																																				
19+25	506									1			1	1																								
	506	505																																				
19+75	507									1			1	1																								
	507	506																																				
20+24.84	508									1			1	1																								
	508	507																																				
24+73.76	600									1	1.28		1	1																								
	IN	600																																			58.00	
	600	OUT																																				
25+76.46	601									1	0.39		1	1																								
	601	600																																				
25+76.30	602									1											1																	
	602	601																																				
27+00.31	700									1	0.03		1	1																								
	700	601																																				
29+51.29	701									1			1	1																								
	701	700																																				
30+91.07	702									1			1	1																								
	702	701																																				
30+91.05	703									1											1																	
	703	702																																				
SHEET TOTALS										17	1.83		14	14					1		3																114	

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