CARYLTBURNS

COMPUTED BY:	SUNGATE DESIGN GROUP	DATE:	8/1/2017
CHECKED BY:	MICHAEL BAKER ENGINEERING	DATE:	8/14/2017

PROJECT NO.	SHEET NO.
R-5703	3D-3

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)

LINE & STATION (SIZE / THICKNESS OR GAUGE)	OFFSET		STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12	15	18	24	30	36	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	C. S. PIPE 12 .064	15 .064	18 .064	24 .064	30 .079			36 .079
SERV1 71+40	0	CL	0907	0910		56.9	56.7																				
L 152+50	0	CL	1001		68.3																						
			1001	1002		65.3	64.5				260						X										
L 155+07	0	CL	1002		67.6																						
			1002	1007		64.5	60.9	0.5																			
L 157+83	0	CL	1003		69.7																						
			1003	1004		65.1	64.9																				
L 157+83	60	RT	1004		70.3																						
			1004	1008		64.9	60.1	1.1															48				
L 161+14	0	CL	1005		77.4																						
			1005	1003		73.4	65.9	1.5		332							X										
L 161+14	60	RT	1006		78.0																						
			1006	1005		74.0	73.4																				
L 150+00	0	CL	1010		69.0																						
			1010	1001		66.3	65.5			252							X										
L 165+32	58	RT	1102		85.6																						
			1102	1103		82.2	81.1			88							X										
L 164+45	60	RT	1103		84.6																						
			1103	1104		81.1	80.9																				
L 164+45	0	CL	1104		84.0																						
			1104	1005		80.9	73.4	0.4		332							X										
L 168+75	60	RT	1105		86.5																						
			1105	1106		83.0	82.8																				
L 168+75	0	CL	1106		85.9																						
			1106	1109		82.8	80.5			272							X										
L 171+45	60	RT	1108		85.0																						
			1108	1109		81.5	80.5																				
L 171+45	0	CL	1109		83.2																						
			1109	1111		80.5	75.1	0.4		232							X										
L 173+74	60	RT	1110		80.8																						
			1110	1111		77.3	75.1																				
L 173+74	0	CL	1111		79.1																						
			1111	1112		74.4	74.2																				
L 173+74	60	LT	1112		80.8																						
			1112	1114		74.2	62.5	0.5															64				
L 169+15	0	CL	1113	1117		60.7	59.0																				
L 166+98	0	CL	1116			62.4	61.5																				
L 165+77	5	LT	1119																								
L 176+86	60	LT	1201		75.1																						
			1201	1208		71.6	62.0														52						
L 177+14	60	RT	1202		74.7																						
			1202	1209		71.2	64.6														44						
L 179+84	0	CL	1203	1213		61.9	61.8																				
L 180+50	0	CL	1204		71.3																						
			1204	1210		68.5	65.0																				
L 185+50	0	CL	1205		69.6																						
			1205	1206		66.8	66.4			132							X										
L 186+81	0	CL	1206		69.2																						
			1206	1207		66.4	60.3	0.8																			
L 176+76	60	LT	1211		75.2																						
SHEET TOTALS										1640	260										96		112				

LINE & STATION	FROM	TO	R. C. PIPE CLASS III 12	15	18	24	30	36	42	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	R. C. PIPE CLASS V 12	15	18	24	30	36	42	48	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE LIN. FT.
SERV1 71+40	0907	0910																							68						
L 152+50	1001																												1		
	1001	1002																													
L 155+07	1002																												1		
	1002	1007			108																										
L 157+83	1003																												1		
	1003	1004											60																		
L 157+83	1004																												1	0.4	
	1004	1008																													
L 161+14	1005																												1		
	1005	1003																													
L 161+14	1006																												1		
	1006	1005									60																				
L 150+00	1010																												1		
	1010	1001																													
L 165+32	1102																												1		
	1102	1103																													
L 164+45	1103																												1		
	1103	1104									60																				
L 164+45	1104																												1		
	1104	1005																													
L 168+75	1105																												1		
	1105	1106									60																				
L 168+75	1106																												1		
	1106	1109																													
L 171+45	1108																												1		
	1108	1109									60																				
L 171+45	1109																												1		
	1109	1111																													
L 173+74	1110																												1		
	1110	1111									60																				
L 173+74	1111																												1		
	1111	1112											60																		
L 173+74	1112																												1	1.6	
	1112	1114																													
L 169+15	1113	1117														292										4.500					
L 166+98	1116				296																										
L 165+77	1119																														
L 176+86	1201																												1		
	1201	1208																													
L 177+14	1202																												1		
	1202	1209																													
L 179+84	1203	1213						208																		3.400					
L 180+50	1204																												1		
	1204	1210		108																											
L 185+50	1205																												1		
	1205	1206																													
L 186+81	1206																												1		
	1206	1207		112																											
L 176+76	1211																												1		
SHEET TOTALS				220	404			208			300		120			292									68	7.900			23	2.0	

LINE & STATION	FROM	TO	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	J.B. STD. 840.31 OR STD. 840.32	M.H. FRAME AND COVER STD. 840.54	ADJUST 2GI	15" C.S. ELBOW, 0.064" THICK	18" C.S. ELBOW, 0.064" THICK	24" C.S. ELBOW, 0.064" THICK	30" SLUICE GATE	36" SLUICE GATE	MODIFIED CONC. FLUME	PIPE CLEAN OUT EA	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	PIPE REMOVAL LIN. FT.	REMARKS
SERV1 71+40	0907	0910																													
L 152+50	1001												1			1															
	1001	1002																													
L 155+07	1002												1			1															
	1002	1007																													
L 157+83	1003											1				1															
	1003	1004																													
L 157+83	1004											1			1																
	1004	1008																					2								
L 161+14	1005												1			1															
	1005	1003																													
L 161+14	1006												1		1																
	1006	1005																													
L 150+00	1010												1			1															
	1010	1001																													
L 165+32	1102												1		1																
	1102	1103																													
L 164+45	1103												1		1																
	1103	1104																													
L 164+45	1104												1			1															
	1104	1005																													
L 168+75	1105												1		1																
	1105	1106																													
L 168+75	1106												1			1															
	1106	1109																													
L 171+45	1108												1		1																
	1108	1109																													
L 171+45	1109												1			1															
	1109	1111																													
L 173+74	1110												1		1																
	1110	1111																													
L 173+74	1111											1				1															
	1111	1112																													
L 173+74	1112											1			1																
	1112	1114																					2								
L 169+15	1113	1117																													
L 166+98	1116																														
L 165+77	1119																									1					SEE DETAIL SHEET 2C-15
L 176+86	1201												1		1																
	1201	1208																			2										
L 177+14	1202												1		1																
	1202	1209																			2										
L 179+84	1203	1213																													
L 180+50	1204												1			1															
	1204	1210																													
L 185+50	1205												1			1															
	1205	1206																													
L 186+81	1206												1			1															
	1206	1207																													
L 176+76	1211												1		1																
SHEET TOTALS												4	19		11	12					4		4			1					

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT