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RD266446

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3465	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".**

SUB-REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

STATION -L-	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) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
	LT	609		293.3	291.1														
	LT	609	632		291.1	293.1			16								X	X	
	LT	632		296.5	293.1														
	LT	610	612		291.0	289.2													
52+08	LT	612		292.2	288.9														
	LT	612	611		289.2	290.4			16								X	X	
	LT	611		292.6	290.4														
	LT	611	633		290.4	292.0			12							X	X	X	
	LT	633		295.1	292.0														
52+08	LT	612	614		288.9	287.5													
52+61	LT	614		290.7	287.5	287.7													
	LT	614	613		287.7	289.1			16								X	X	
	LT	613		291.3	289.1														
	LT	614	615		287.5	284.8													
53+85	LT	615		288.0	284.8														
	LT	615	616		284.8	284.5	X												
54+20	LT	616		287.7	284.5														
	LT	616	617		284.5	283.2	X												
55+30	LT	617		286.4	283.2														
	LT	617	621		283.2	282.1	X												
56+09	LT	621		286.0	282.1														
	LT	621	622		282.1	278.8					28					X	X	X	
	LT	622		282.5	278.8														
	LT	621	620		283.0	284.3													
57+61	LT	620		288.0	284.3														
	LT	620	619		284.3	284.4	X												
	CL	619		287.4	284.4														
	CL	619	618		284.4	285.7													
59+20	CL	618		288.7	285.7														
48+98	RT	623		295.9	292.9														
	RT	623	624		292.9	292.2													
50+52	RT	624		295.2	292.2														
	RT	624	625		292.2	288.0													
52+50	RT	625		291.0	288.0														
	RT	625	626		288.0	284.3													
54+35	RT	626		287.3	284.3														
	RT	626	630		284.3	283.2													
55+60	RT	630		286.2	282.1														
	RT	630	631		282.1	273.1				44						X			
	RT	634	635		266.8	266.2				12									
	RT	630	629		282.1	282.8	X												
56+50	RT	629		286.0	282.8														
	RT	629	628		282.8	283.2	X												
57+96	RT	628		286.2	283.2														
	RT	628	627		283.2	284.0													
59+20	RT	627		287.0	284.0														
63+35	CL	701		288.9	285.9														
SHEET TOTALS									60	56	28								

STATION -L-	LOCATION	FROM	TO	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"
	LT	609																								
	LT	609	632																							
	LT	632																								
	LT	610	612																		88					
52+08	LT	612																								
	LT	612	611																							
	LT	611																								
	LT	611	633																							
	LT	633																								
52+08	LT	612	614																			56				
52+61	LT	614																								
	LT	614	613																							
	LT	613																								
	LT	614	615																			124				
53+85	LT	615																								
	LT	615	616																			36				
54+20	LT	616																								
	LT	616	617																			112				
55+30	LT	617																								
	LT	617	621																			80				
56+09	LT	621																								
	LT	621	622																							
	LT	622																								
	LT	621	620																		152					
57+61	LT	620																								
	LT	620	619																		32					
	CL	619																								
	CL	619	618																		160					
59+20	CL	618																								
48+98	RT	623																								
	RT	623	624																		156					
50+52	RT	624																								
	RT	624	625																		200					
52+50	RT	625																								
	RT	625	626																		188					
54+35	RT	626																								
	RT	626	630																		128					
55+60	RT	630																								
	RT	630	631																							
	RT	634	635																							
	RT	630	629																		92					
56+50	RT	629																								
	RT	629	628																		148					
57+96	RT	628																								
	RT	628	627																		124					
59+20	RT	627																								
63+35	CL	701																								
SHEET TOTALS																					1468	408				

STATION -L-	LOCATION	FROM	TO	24" WELDED STEEL PIPE, 0.5" THICK	30" WELDED STEEL PIPE, 0.5" THICK	36" WELDED STEEL PIPE, 0.5" THICK	4 SIDE OPEN THROAT CATCH BASIN (SEE DETAIL 2C-6)	ADJUST CB	ADJUST DI	CONVERT TBDI TO TBJB (SEE DETAIL 2C-4)	TEMP. STEEL PLATE COVERS FOR DRAINAGE STRUCTURES (SEE DETAIL 2C-5)	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. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN
	LT	609										1								
	LT	609	632																	
	LT	632										1			1	1				
	LT	610	612																	
52+08	LT	612										1			1			1		
	LT	612	611																	
	LT	611										1								
	LT	611	633																	
	LT	633										1			1	1				
52+08	LT	612	614																	
52+61	LT	614										1			1			1		
	LT	614	613																	
	LT	613										1								
	LT	614	615																	
53+85	LT	615										1			1			1		
	LT	615	616																	
54+20	LT	616										1			1			1		
	LT	616	617																	
55+30	LT	617										1			1			1		
	LT	617	621																	
56+09	LT	621										1			1	1				
	LT	621	622																	
	LT	622										1								
	LT	621	620																	
57+61	LT	620										1			1		1			
	LT	620	619																	
	CL	619										1			1			1		1
	CL	619	618																	
59+20	CL	618										1			1			1		1
48+98	RT	623										1			1		1			
	RT	623	624																	
50+52	RT	624										1			1		1			
	RT	624	625																	
52+50	RT	625										1			1		1			
	RT	625	626																	
54+35	RT	626										1			1		1			
	RT	626	630																	
55+60	RT	630										1			1		1			
	RT	630	631																	
	RT	634	635																	
	RT	630	629																	
56+50	RT	629										1			1	1				
	RT	629	628																	
57+96	RT	628										1			1			1		
	RT	628	627																	
59+20	RT	627										1			1			1		
63+35	CL	701										1			1		1			1
SHEET TOTALS												24			20	4	7	9		3

STATION -L-	LOCATION	FROM	TO	O.T.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	GRATE WITH FRAME, DRIVEWAY DROP INLET STD. 840.30	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. 840.35	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	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	4" CONCRETE PAVED DITCH, S.Y.	ENERGY DISSIPATOR BASIN	FLOWABLE FILL (CY)	DRAINAGE 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
	LT	609			1	1																	
	LT	609	632																1 @ 15"				
	LT	632																				14	REMOVE 15' RCP AND CB
	LT	610	612																				
52+08	LT	612																					
	LT	612	611																1 @ 15"				
	LT	611			1	1																	
	LT	611	633																1 @ 15"				
	LT	633																				14	REMOVE 15" RCP AND CB
52+08	LT	612	614																				
52+61	LT	614																					
	LT	614	613																				
	LT	613			1	1																	
	LT	614	615																				REMOVE 18" RCP AT PROPOSED PIPE
53+85	LT	615																					
	LT	615	616																				
54+20	LT	616																					
	LT	616	617																				
55+30	LT	617																					
	LT	617	621																			34	REMOVE 24" RCP
56+09	LT	621																					
	LT	621	622																2 @ 24"			72	REMOVE 24" RCP AND EXISTING DI
	LT	622			1	1																	TIE TO EXISTING 24"RCP
	LT	621	620																				
57+61	LT	620																					
	LT	620	619																				
	CL	619																					
	CL	619	618																				
59+20	CL	618																					
48+98	RT	623																					
	RT	623	624																			200	REMOVE 12"RCP AND CB IN MEDIAN
50+52	RT	624																					
	RT	624	625																				
52+50	RT	625																					
	RT	625	626																			108	REMOVE 18" RCP IN MEDIAN AND EXISTING DI
54+35	RT	626																					
	RT	626	630																				
55+60	RT	630																					
	RT	630	631																2 @ 18"				
	RT	634	635																1 @ 18"				TIE TO EXISTING CB
	RT	630	629																				
56+50	RT	629																					
	RT	629	628																				
57+96	RT	628																					
	RT	628	627																				
59+20	RT	627																					
63+35	CL	701																					
																			3 @ 15"				
																			3 @ 18"				
SHEET TOTALS					4	4													2 @ 24"			442	

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