COMPUTED BY:	MJD	DATE:	1/11/2012
CHECKED BY:	SKR	DATE:	7/18/14

RD266446

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-3465	3D-7

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	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	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"	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	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
-L-																																																																														
	RT	1003		296.1	292.9																																															1														1	1											
	RT	1004	1005		292.4	291.4	X																													68																																						
100+86	RT	1005		294.8	291.4																																													1			1		1																						
	RT	1005	1006		291.4	291.0	X																														56																																					
101+42	RT	1006		294.5	291.0																																													1			1		1																						
	RT	1006	1015		291.0	290.7	X																														24																																					
101+66	RT	1015		294.4	290.2																																													1			1	1																							
101+66	RT	1015	1007		291.4	291.7			20								X	X																																																												
101+55	RT	1007		294.9	291.7																																													1														1	1											
101+66	RT	1015	1014		290.7	291.1																																52																																				
102+15	RT	1014		294.9	291.1																																													1			1			1																					
	RT	1014	1013		291.3	291.6	X			20							X	X																																																												
	RT	1013		295.0	291.6																																													1										1	1																
	RT	1013	1012		291.6	291.8	X		40								X	X																																																												
102+55	RT	1012		294.0	291.8																																													1										1	1																
102+15	RT	1014	1011		291.9	294.3																														112																																						
103+25	RT	1011		297.3	294.3																																													1			1			1																					
	RT	1011	1010		294.3	294.8																														48																																						
-Y3-																																																																														
10+70	RT	1010		297.8	294.8																																													1			1			1																					
	RT	1010	1009		294.8	296.8																														132																																					72	REMOVE 15" RCP AND EXISTING DI'S
11+98	RT	1009		299.8	296.8																																													1			1			1																					
	RT	1009	1008		296.8	297.3																														52																																						
	LT	1008		300.3	297.3																																													1			1		1																						
-L-																																																																														
100+38	LT	1023	1022		287.7	287.9	X						32																																																																
	LT	1022		295.3	287.9																																													1	2.4		1			1																					
	LT	1022	1021		287.9	288.3	X																																	84																																			
101+20	LT	1021		294.8	288.3																																													1	1.5		1			1																					
	LT	1021	1020		288.3	288.6	X																																	48																																			
101+66	LT	1020		294.7	288.6																																													1	1.1		1	1																							
101+66	RT	1015	1036		290.2	288.7																																	60																																					REMOVE 24" RCP AT PROPOSED PIPE
101+58	CL	1036		295.9	288.7																																											1		1	2.2														1	1	1											BUILT AS TBDI IN PHASE 1 & CONV. TO TBJB LATER
	CL	1036	1020		288.7	288.6	X																																	36																																			
101+66	LT	1020	1019		291.0	291.5	X																													52																																					22	REMOVE 15" RCP
102+15	LT	1019		294.7	291.5																																													1			1		1																						
	LT	1019	1018		291.5	292.1	X																													88																																						
103+00	LT	1018		295.1	292.1																																													1			1		1																						
	LT	1018	1017		292.1	292.6	X																													136																																						
104+40	LT	1017		295.5	292.6																																													1			1	1																							
	LT	1017	1016		292.6	295.1																														64																																						
	CL	1016		298.3	295.1																																													1						1							1	1											
106+30	RT	1027		296.4	293.9																																													1										1	1																
	RT	1027	1028		293.9	293.7	X			28							X	X																																																												
	RT	1028		299.7	293.7																																													1	1		1		1																						
	RT	1028	1030		293.7	289.8																															388																																						42	REMOVE 15" RCP
110+12	RT	1030		293.1	289.3																																													1			1		1																						
	RT	1030	1029		289.8	291.7					24																																																																							
107+80	LT	1033		294.5	291.5																																													1			1			1																					
SHEET TOTALS										60	72			32																								752	468	52	60	168								1		24	8.2		17	3	7	7	1			3	3				4	4	1										136	

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