COMPUTED BY: MJD DATE: 1/11/2012

CHECKED BY: SKR DATE: 7/18/14

RD266446

PROJECT NO.	SHEET NO.
U-3465	3D-6

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".

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

STATION	LOCATION (LT, RT, OR CL)	STRUCTURE NO.		TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC)								DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE								R.C. PIPE CLASS III								R.C. PIPE CLASS IV							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	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')		C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03			CONCRETE TRANSITIONAL SECTION		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
SIZE								12"	15"	18"	24"	30"	36"	42"	48"					12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"									PER EACH (0' THRU 5.0')	LIN. FT. A	B		TYPE OF GRATE E	F	G	DROP INLET	CATCH BASIN																				
THICKNESS OR GAUGE		FROM	TO																	.064	.064	.064	.064	.079	.079	.109	.109																									5.0' THRU 10.0'	10.0' AND ABOVE																										
-L-																																																																															
	CL	904	903		290.9	291.0																															20																																										
87+94	CL	903		294.0	291.0																																															1			1		1			1																				
90+70	RT	907		294.3	292.1																																															1										1	1																		
	RT	907	908		292.1	290.6			36								X	X																																																												47	REMOVE 15" RCP AND EXISTING CB
91+05	RT	908		293.6	290.6																																															1			1			1																							
	RT	908	909		290.6	290.2																															36																																									36	REMOVE 15" RCP AND EXISTING CB
91+40	RT	909		293.2	290.2																																														1			1		1																							
	RT	909	910		290.2	290.1	X																														48																																									62	REMOVE 15" RCP
91+75	RT	910		295.1	290.1																																														1			1		1																							
91+75	RT	910	915		290.1	289.8	X																														96																																										
92+65	RT	915		294.6	289.8																																														1			1	1																								
	RT	915	911		290.8	292.3					28																																																																						
	RT	915	918		289.8	289.6	X																																32																																									REMOVE 24" RCP AT PROPOSED PIPE
	CL	918		293.7	289.6																																												1		1	1							1									1	1												PREFAB TB BOX IN PHASE 1 & FINISH IN LATER PHASE
	CL	918	917		289.6	289.7	X																														40																																										
92+33	CL	917		293.6	289.7																																														1							1								1	1												
	CL	917	929		289.7	289.7	X																														16																																										
92+65	CL	918	916		290.5	290.9																															80																																										
93+42	CL	916		293.9	290.9																																														1			1		1			1																				
92+65	CL	918	927		289.6	289.0																																	20																																								
	CL	927			289.0																																																																										0.553		
	CL	927	925		289.0	287.2																																	44																																								
	LT	925		290.9	286.7																																															1			1		1																							
90+65	CL	919		294.2	291.1																																														1							1								1	1												
	CL	919	920		291.1	289.8																															40																																										
90+50	LT	920		292.8	289.8																																														1			1	1																								
	LT	920	921		289.8	288.2																															40																																										
90+88	LT	921		291.2	288.2																																														1			1		1																							
	LT	921	922		288.2	288.0	X																														36																																										
91+26	LT	922		292.4	288.0																																														1							1								1	1												
	LT	922	923		288.0	287.3	X																														104																																										
92+33	LT	923		290.8	287.3																																														1			1	1																								
	LT	923	925		287.3	286.9	X																															32																																									
92+65	LT	925	926		286.7	286.4	X					24																																																														1						
	LT	925	924		287.9	291.1																															160																																										
94+25	LT	924		294.1	291.1																																														1			1		1																							
92+65	RT	915	914		290.5	292.4	X																														224																																										
94+86	RT	914		295.4	292.4																																														1			1			1																							
	RT	914	913		292.4	294.6																															232																																										
97+18	RT	913		297.6	294.6																																														1			1			1																							
	RT	913	912		294.6	296.0			16								X	X																																																													
	RT	912		298.2	296.0																																														1										1	1																		
93+36	LT	928		285.0						108																																																																					3 - 18" PIPES @ 36' EACH
92+22	CL	929		292.9	289.7																																														1							1								1	1												
98+38	RT	1001		298.1	295.9																																														1										1	1																		
	RT	1001	1002		295.9	294.3			20								X	X																																																													
	RT	1002		297.3	294.3																																														1			1		1																							
	RT	1002	1004		294.3	292.4																															184																																											
100+20	RT	1004		295.4	292.4																																														1			1		1																							
	RT	1004	1003		292.4	292.9			28								X	X																																																													
SHEET TOTALS									100	108	28	24																									1356	32	96									1		1	23			15	3	9	3	5	2		3	3				5	5						1				0.553	145	

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