RD-293517

COMPUTED BY: HCN DATE: 1/30/15

CHECKED BY: MTP DATE: 1/30/15

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
R-3826	3D-1

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	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) SIZE	15"	15"	24"	30"	36"	42"	48"				
								THICKNESS OR GAUGE	HDPE							DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
-L- 12+00	LT																		
-L- 13+33	RT	0403																	
-L- 14+02	RT	0404																	
-L- 15+03	RT	0405																	
-L- 19+09	RT	0408																	
-L- 22+97	LT	0406																	
-L- 24+27	LT	0407																	
-L- 25+69	LT	0523																	
-L- 27+88	RT	0525																	
-L- 26+36	CL	0500			71.3	70.96													
-L- 31+50	CL	0501			73.39	72.65													
-Y- 19+80	RT	0516																	
-Y- 20+87	RT	0517																	
-Y- 20+63	LT	0518																	
-Y- 21+50	LT	0519																	
-Y- 22+60	LT	0502		77.21															
-Y- 22+62	LT	0502	0503		74.46	74.42													
-Y- 22+65	LT	0503		77.17															
-Y- 22+68	LT	0503	0504		74.17	73.88													
-L- 33+27	CL	0505	0506		73.74	70.69													
-L- 33+30	RT	0506		75.61															
-L- 33+35	RT	0506	0507		71.44	72.15			16										
-L- 33+40	RT	0507		74.9															
-Y- 24+33	LT	0506	0508		70.69	69.54													
-Y- 24+50	LT	0508		74.46															
-Y- 25+29	LT	0508	1400		69.54	68.76													
-Y- 26+01	LT	1400	0509		69.5	72.8													
-Y- 25+37	RT	0510		75.31															
-Y- 25+37	RT	0510	0511		72.31	71.66													
-L- 33+77	RT	0506	0512		71.44	72.88													
-L- 34+25	RT	0512		77.05															
-L- 35+75	RT	0521																	
-L- 36+67	CL	0515			73.93	73.26													
-L- 38+25	RT	0513		76.19															
-L- 38+25	RT	0513	0514		72.02	71.83													
-L- 37+50	RT	0522																	
-L- 39+60	CL	0607																	
-L- 39+98	RT	0601		75.67															
-L- 39+90	RT	0601	0609		70.88	70.49													
-L- 40+88	RT	0601	0603		70.88	71.78													
-L- 41+78	RT	0603		76.4															
-L- 41+78	CL	0602	0603		71.97	71.78													
-L- 41+78	LT	0602		76.4															
-L- 41+89	LT	0602	0610		72.22	72.33													
-L- 42+00	LT	0610		76.5															
SHEET 1 TOTALS									16										

STATION	C.S. PIPE 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS III 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 15"	18"	24"	30"	36"	42"	48"		15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" 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. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	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 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M. H. FRAME AND COVER STD. 840.54	CONVERT EXISTING DROP INLET TO JUNCTION BOX W/ MANHOLE	FLOWABLE FILL (CY)	R.C. PIPE, CLASS III 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- 12+00																																																	21	REMOVE 18" RCP
-L- 13+33																							24																										24	REMOVE 15" RCP
-L- 14+02																							24																										24	REMOVE 15" RCP
-L- 15+03																							24																										24	REMOVE 15" RCP
-L- 19+09																							32																										20	REMOVE 15" RCP
-L- 22+97																							24																							3.0				30	REMOVE 15" RCP, DI; FILL 18" RCP
-L- 24+27																							24																											28	REMOVE 15" RCP
-L- 25+69																							28																											48	REMOVE 2-15" RCP
-L- 27+88																							28																											22	REMOVE 15" RCP
-L- 26+36										116																																							64	REMOVE 15" RCP, 18" RCP
-L- 31+50										140																																							163	REMOVE 18" RCP, 15" RCP, DI
-Y- 19+80																							56																											55	REMOVE 15" CMP, HW
-Y- 20+87																							100																											170	REMOVE 15" CMP, HW
-Y- 20+63																							24																											32	REMOVE 18" CMP
-Y- 21+50																							36																											39	REMOVE 18" CMP, HW
-Y- 22+60																												1							1		1	1													SEE DETAIL 2C-2
-Y- 22+62															4																																			
-Y- 22+65																												1							*		1	1													SEE DETAIL 2C-2
-Y- 22+68																60																																		27	REMOVE 18" CMP
-L- 33+27										80																																								143	REMOVE 18" RCP
-L- 33+30																												1			1			1																	
-L- 33+35																																																		
-L- 33+40																												1											1				1								
-Y- 24+33										64																																								21	REMOVE 18" RCP, JB
-Y- 24+50																												1			1			1																	
-Y- 25+29										156																																								134	REMOVE 24" RCP, DI
-Y- 26+01									20																																										
-Y- 25+37																												1							1		1	1													
-Y- 25+37															40																																			
-L- 33+77									100																																									24	REMOVE 15" RCP
-L- 34+25																												1			1			1																	
-L- 35+75																							24																											25	REMOVE 15" RCP
-L- 36+67																	88																																	122	REMOVE 15" RCP, 15" CMP
-L- 38+25																												1			1			1																	
-L- 38+25									32																																									
-L- 37+50																									28																									
-L- 39+60											112															3.4																								REMOVE 2-36" CMP,DI
-L- 39+98																												1			1	1																			
-L- 39+90										40																																								
-L- 40+88										180																																								
-L- 41+78																												1			1			1																	
-L- 41+78										40																																								
-L- 41+78																												1			1	1																			
-L- 41+89									20																																									
-L- 42+00																												1			1			1																	
SHEET 1 TOTALS									172	260	556		112		44	60	88						448		28	3.4		12			8	2	2	4	2		3	3		1					1			3.0				1,260	

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