COMPUTED BY: T. A. HARRIS DATE: 05/24/13
CHECKED BY: D. W. GARDNER DATE: 09/10/13

PROJECT REFERENCE NO.	SHEET NO.
B-4953	3D-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

STATION / SIZE / THICKNESS OR GAUGE	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	36" .079	42" .109	48" .109	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
-L- STA. 11+63.00	LT.																																								
-L- STA. 13+39.00	LT.																																								
-L- STA. 13+61.00	CL.																																								
-L- STA. 15+45.72	LT.	0401		548.2	545.2																																				
-L- STA. 15+45.72	LT.	0401	0402		545.2	544.9																																			
-L- STA. 15+45.72	RT.	0402		548.2	544.9																																				
-L- STA. 15+45.72	RT.	0402	0403		544.9	543.3																																			
-L- STA. 15+00.00	RT.	0403		548.0	543.3																																				
-L- STA. 15+00.00	RT.	0403	0404		543.3	543.2			16							X																									
-L- STA. 16+94.00	RT.	0405																																							
-DRV1- STA. 10+46	CL.	0406																																							
-DRV1- STA. 10+18	CL.	0407																																							
-DRV2- STA. 10+43	CL.	0408																																							
-L- STA. 19+24.00	RT.																																								
-L- STA. 19+60.00	LT.																																								
-L- STA. 19+84.00	RT.																																								
-L- STA. 21+10.00	RT.																																								
PROJECT TOTAL									16																																

STATION / SIZE / THICKNESS OR GAUGE	12" R. C. PIPE (CLASS V)	15" R. C. PIPE (CLASS V)	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL."B") PER EACH (0' THRU 5.0')	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 CATCH BASIN	DROP INLET	T.B.D.I. STD. 840.35	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	PIPE CLEANOUT (EACH)	PIPE REMOVAL LIN.FT.	REMARKS
-L- STA. 11+63.00																		1		PIPE CLEANOUT (15" RCP)
-L- STA. 13+39.00																		1		PIPE CLEANOUT (18" RCP)
-L- STA. 13+61.00																		1		PIPE CLEANOUT (18" RCP)
-L- STA. 15+45.72							1									1	1			
-L- STA. 15+45.72		24																		
-L- STA. 15+45.72							1									1	1			
-L- STA. 15+45.72		44																		
-L- STA. 15+00.00							1									1	1			
-L- STA. 15+00.00																				
-L- STA. 16+94.00			24																21	REMOVE 15" HDPE
-DRV1- STA. 10+46				32																
-DRV1- STA. 10+18			24																	
-DRV2- STA. 10+43				28																
-L- STA. 19+24.00																		1		PIPE CLEANOUT (15" RCP)
-L- STA. 19+60.00																		1		PIPE CLEANOUT (15" HDPE)
-L- STA. 19+84.00																		1		PIPE CLEANOUT (12" RCP)
-L- STA. 21+10.00																		1		PIPE CLEANOUT (12" RCP)
PROJECT TOTAL		68	48	60			3									3	3	7	21	

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.)	GRATED DROP INLET (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

6/21/00

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