COMPUTED BY:________________ DATE:________________
CHECKED BY:________________ DATE:________________

NOTE: Top and 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".

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
I-5952	3D-1

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

STATION	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS IV R.C. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" 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 PER EACH (0' THRU 5.0')	LIN. *FT. A 5.0' THRU 10.0' (* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B'))	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	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME & GRATE 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. FRAME WITH GRATE STD. 840.22	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	T.B.D.I. STD. 840.35	T.B.D.I. FRAME WITH TWO GRATES STD. 840.37	CONV. EXIST. D.I. TO J.B.	CORR. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
210+31	LT	410		798.4																									1	0.8															1	2						TIE TO EXIST DRAINAGE
		410	411		792.6	792.6				4																																										REMOVE EXIST DI
210+31	RT	411		798.6																									1	1.0															1	2						TIE TO EXIST DRAINAGE
214+90	LT	412		790.0																									1	1.4															1	2						TIE TO EXIST DRAINAGE
		412	413		783.6	783.6				4																																										REMOVE EXIST DI
214+90	RT	413		790.1																									1	1.5															1	2						TIE TO EXIST DRAINAGE
219+59	LT	414		780.3																									1	0.3															1	2						TIE TO EXIST DRAINAGE
		414	415		775.0	775.0					4																																									REMOVE EXIST DI
219+59	RT	415		780.3																									1	0.3															1	2						TIE TO EXIST DRAINAGE
223+62	LT	510		773.5																									1																1	2						
		510	511		770.7	770.7			4																																											
223+62	RT	511		773.5																									1																1	2						
		511	512		770.7	770.6			40																																											
224+05	RT	512		773.4																									1																1	1						
		512	513		770.6	767.0			52																																											
224+58	LT	514		773.3																									1	1.3															1	2						TIE TO EXIST DRAINAGE
		514	513		767.0	767.0			4																																											REMOVE EXIST DI
225+10	RT	515		773.8																									1																1	1						
		515	513		771.0	767.0			48																																											
224+58	RT	513		773.8	767.0																								1	1.3															1	2						TIE TO EXIST DRAINAGE
229+59	RT	516		782.3																									1	1.0															1	2						TIE TO EXIST DRAINAGE
		516	517		776.3	776.3				4																																										REMOVE EXIST DI
229+59	LT	517		782.3																									1	1.0															1	2						TIE TO EXIST DRAINAGE
233+78	LT	518		792.1																									1	1.1															1	2						TIE TO EXIST DRAINAGE
		518	519		786.0	786.0				4																																										REMOVE EXIST DI
233+78	RT	519		792.3																									1	1.3															1	2						TIE TO EXIST DRAINAGE
240+64	RT	614		808.4																									1																1	2						
		614	613		805.5	805.5			4																																											
240+64	LT	613		808.3																									1																1	2						
		613	612		805.5	803.5			100																																											
239+64	LT	612		806.3																									1																1	1						
		612	610		803.5	796.6			156																																											REMOVE EXIST DI
238+08	LT	610		802.4																									1	0.8															1	2						TIE TO EXIST DRAINAGE
238+08	RT	611		802.5																									1	0.9															1	2						TIE TO EXIST DRAINAGE
		611	610		796.6	796.6				4																																										
247+11	LT	615		821.5																									1	1.0															1	2						TIE TO EXIST DRAINAGE
		615	616		815.5	815.5					4																																									REMOVE EXIST DI
247+11	RT	616		821.5																									1	1.0															1	2						TIE TO EXIST DRAINAGE
SHEET TOTAL									408	20	8																		23	16.0															23	43						

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

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