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-2

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

STATION / SIZE / THICKNESS OR GAUGE	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	24"	30" .079	30"	36" .079	36"	42" .109	42"	48" .109	48"	12"	15"	18"	24"	30"	36"	42"	48"	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')	* 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			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.J.B. STD. 840.34	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
252+58	LT	710		826.5																																						1	0.5																		1	2									TIE TO EXIST DRAINAGE
		710	711		821.0	821.0				4																																																												REMOVE EXIST DI
252+58	RT	711		826.6																																						1	0.6																		1	2									TIE TO EXIST DRAINAGE
258+62	RT	714																																								1																			1	2									
		714	713		829.0	829.0			4																																																														
258+62	LT	713		831.8																																						1																			1	2									
		713	712		829.0	826.0			52																																																														
258+09	CL	712		830.4																																																													1								CONVERT DI TO JB
265+59	LT	810		829.3																																						1	1.4																		1	2									TIE TO EXIST DRAINAGE
		810	811		822.9	822.9			4																																																														REMOVE EXIST DI
265+59	RT	811		829.4																																						1	1.5																		1	2									TIE TO EXIST DRAINAGE
270+60	LT	812		816.8																																						1	1.0																		1	2									TIE TO EXIST DRAINAGE
		812	813		810.8	810.8				4																																																												REMOVE EXIST DI
270+60	RT	813		816.6																																						1	0.8																		1	2									TIE TO EXIST DRAINAGE
275+34	LT	814		799.8																																						1																			1	2									TIE TO EXIST DRAINAGE
		814	815		797.0	797.0			4																																																													REMOVE EXIST DI
275+34	RT	815		800.0																																						1																			1	2									
		815	817		797.0	794.0			40																																																															
275+73	LT	817		798.7																																						1																			1	2									TIE TO EXIST DRAINAGE
		817	816		794.0	794.0			4																																																													REMOVE EXIST DI
275+73	RT	816		798.5																																						1																			1	2									TIE TO EXIST DRAINAGE
SHEET TOTAL									108	8																																12	5.8																		12	24	1								
FROM SHT 3D–1									408	20	8																															23	16.0																		23	43									
PROJECT TOTAL									516	28	8																															35	21.8																		35	67	1								

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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