COMPUTED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
I-5927	3D-2

DIV14-32994ZL

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	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
								THICKNESS OR GAUGE											
200+27 EB	Rt.	40A																	
204+82 EB	Lt.	41																	
212+35 EB	Lt.	42																	
214+87 EB	Lt.	43																	
217+87 EB	Lt.	44	44A																
217+69 EB	Rt.	44A																	
221+87 EB	Lt.	45																	
222+90 EB	Lt.	46	46A																
223+43 EB	Rt.	46A																	
225+20 EB	Lt.	47	47A																
224+75 EB	Rt.	47A																	
228+69 EB	Lt.	48																	
229+90 EB	Lt.	49																	
234+85 EB	Lt.	50																	
239+82 EB	Lt.	51																	
242+80 EB	Lt.	52																	
244+27 EB	Rt.	53																	
245+77 EB	Lt.	54																	
253+02 EB	Lt.	55	55A																
253+02 EB	Rt.	55A																	
257+16 EB	Lt.	56	56A																
257+16 EB	Rt.	56A																	
262+22 EB	Lt.	57																	
267+29 EB	Lt.	58																	
273+38 EB	Lt.	59																	
277+89 EB	Lt.	60	60A																
278+08 EB	Rt.	60A																	
281+90 EB	Rt.	61	61A																
281+92 EB	Lt.	61A																	
283+44 EB	Lt.	62																	
286+90 EB	Lt.	63																	
290+27 EB	Lt.	64																	
293+48 EB	Lt.	65																	
298+84 EB	Lt.	66																	
300+00 EB	Lt.	67A																	
303+05 EB	Lt.	67																	
SHEET TOTALS																			

STATION	C.S. PIPE SIZE 12"	15"	18"	24"	30"	36"	42"	48"
THICKNESS OR GAUGE	.064	.064	.064	.064	.079	.079	.109	.109
200+27 EB								
204+82 EB								
212+35 EB								
214+87 EB								
217+87 EB								
217+69 EB								
221+87 EB								
222+90 EB								
223+43 EB								
225+20 EB								
224+75 EB								
228+69 EB								
229+90 EB								
234+85 EB								
239+82 EB								
242+80 EB								
244+27 EB								
245+77 EB								
253+02 EB								
253+02 EB								
257+16 EB								
257+16 EB								
262+22 EB								
267+29 EB								
273+38 EB								
277+89 EB								
278+08 EB								
281+90 EB								
281+92 EB								
283+44 EB								
286+90 EB								
290+27 EB								
293+48 EB								
298+84 EB								
300+00 EB								
303+05 EB								
SHEET TOTALS								

STATION	R.C. PIPE CLASS III SIZE 12"	15"	18"	24"	30"	36"	42"	48"
200+27 EB								
204+82 EB								
212+35 EB								
214+87 EB								
217+87 EB								
217+69 EB								
221+87 EB								
222+90 EB								
223+43 EB								
225+20 EB								
224+75 EB								
228+69 EB								
229+90 EB								
234+85 EB								
239+82 EB								
242+80 EB								
244+27 EB								
245+77 EB								
253+02 EB								
253+02 EB								
257+16 EB								
257+16 EB								
262+22 EB								
267+29 EB								
273+38 EB								
277+89 EB								
278+08 EB								
281+90 EB								
281+92 EB								
283+44 EB								
286+90 EB								
290+27 EB								
293+48 EB								
298+84 EB								
300+00 EB								
303+05 EB								
SHEET TOTALS								

STATION	R.C. PIPE CLASS IV SIZE 12"	15"	18"	24"	30"	36"	42"	48"
200+27 EB								
204+82 EB								
212+35 EB								
214+87 EB								
217+87 EB								
217+69 EB								
221+87 EB								
222+90 EB								
223+43 EB								
225+20 EB								
224+75 EB								
228+69 EB								
229+90 EB								
234+85 EB								
239+82 EB								
242+80 EB								
244+27 EB								
245+77 EB								
253+02 EB								
253+02 EB								
257+16 EB								
257+16 EB								
262+22 EB								
267+29 EB								
273+38 EB								
277+89 EB								
278+08 EB								
281+90 EB								
281+92 EB								
283+44 EB								
286+90 EB								
290+27 EB								
293+48 EB								
298+84 EB								
300+00 EB								
303+05 EB								
SHEET TOTALS								

STATION	** R.C. PIPE (CLASS V)	**** RC PIPE CULVERTS, CONTRACTOR DESIGN	***** RC PIPE CULVERTS, CONTRACTOR DESIGN	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	5.0' THRU 10.0'	10.0' AND ABOVE	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' * (1.3 X COL. 'B') LIN. FT. A	B	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 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. 840.20	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	4" PAVED CONCRETE DITCH	PIPE CLEAN OUT			SIDE DRAIN 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
200+27 EB																																							
204+82 EB																															27								Replace 20' Conc Ditch each side D.I.
212+35 EB																																							
214+87 EB																									1						27								Replace 20' Conc Ditch each side D.I.
217+87 EB																																							
217+69 EB																																							
221+87 EB																																							
222+90 EB																																							
223+43 EB																																							
225+20 EB																																							
224+75 EB																																							
228+69 EB																																							
229+90 EB																																							
234+85 EB																																							
239+82 EB																															27	1							Replace 20' Conc Ditch each side D.I.
242+80 EB																																							
244+27 EB																																							
245+77 EB																																							
253+02 EB																																							
253+02 EB																																							
257+16 EB																																							
257+16 EB																																							
262+22 EB																																							
267+29 EB																																							
273+38 EB																															27	1							Replace 20' Conc Ditch each side D.I.
277+89 EB																																							
278+08 EB																																							
281+90 EB																																							
281+92 EB																																							
283+44 EB																																							
286+90 EB																																							
290+27 EB																																							
293+48 EB																																							
298+84 EB																																							
300+00 EB																																1							
303+05 EB																															27	1							Replace 20' Conc Ditch each side D.I.
SHEET TOTALS																									1						135	4							

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