COMPUTED BY: ______ DATE: ______

CHECKED BY: ______ DATE: ______

D9CAD268308

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
W-5209F	3A

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
L 16+90	LT	0401	0402		805.00	802.2	
L 16+70	LT	0402		807	802.20		
		0402	0404		802.20	802	
L 16+12	LT	0403		804.1	802.10		
		0403	0404		802.10	802	
L 16+12	LT	0404		805.7	802.00		
		0404	405		802.00	801.9	
L 16+12	RT	0405		805.4	801.90		
		0405	0407		801.90	800	
L 16+40	RT	0406	405		804.40	801.9	
L 15+00	RT	0407		803.3	800.00		
		0407	0408		800.00	796.6	
L 13+75	RT	0408		799.9	796.60		
		0408	0409		796.60	792.9	
L 12+60	RT	0409		796.3	792.90		
		0409	0410		792.90	791.1	
L 11+65	RT	0410		794.4	791.10		
L 11+54	LT	0410	0411		791.10	787.8	
L 11+12	LT	0412		796.1	791.10		
		0412	0413		791.10	791	
L 13+75	LT	0414		799.3	797.30		
		414	408		797.30	796.6	
SHEET TOTALS							

STATION / SIZE	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"
THICKNESS OR GAUGE										.064	.064	.064	.064	.079	.079	.109	.109
SHEET TOTALS																	

STATION / STRUCTURE	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"	48"	DI PIPE 18"	24"
L 16+90 (0401–0402)		48																
0402–0404			56															
0403–0404		12																
0404–405			24															
0405–0407			108															
L 16+40 (0406–405)		56																
0407–0408			120															
0408–0409			108															
0409–0410			94															
L 11+54 (0410–0411)				30														
0412–0413		36																
414–408		48																
SHEET TOTALS		200	510	30														

STATION / STRUCTURE	** " 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. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS	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
L 16+70 (0402)							1			1		1			
L 16+12 (0403)							1								
L 16+12 (0404)							1			1		1			
L 16+12 (0405)							1			1			1		
L 15+00 (0407)							1			1			1		
L 13+75 (0408)							1			1			1		
L 12+60 (0409)							1			1			1		
L 11+65 (0410)							1			1			1		
L 11+12 (0412)							1			1		1			
L 13+75 (0414)							1								
SHEET TOTALS							10	0	0	8	0	3	5	0	0

STATION / STRUCTURE	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					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
L 16+90 (0401–0402)																		18	
L 16+12 (0403)		1																	
0403–0404																		18	
L 16+40 (0406–405)																		18	
0412–0413																		28	REMOVE STRUCTURE
L 13+75 (0414)		1																	
SHEET TOTALS	0	2	0	0	0	0	0	0	0	0	0	0	0	0				82	
						0													

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