COMPUTED BY:	W. A. Smith	DATE:	10/8/2013
CHECKED BY:	A. J. Foster	DATE:	10/10/2013

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
R-2519B	3B-2

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH				WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	TEMP	TEMP SHOP CURVED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END		GRAU-350 TL-2	GRAU 350	TEMP GRAU 350	TERM END SECT.	CAT-1		AT-1	B-77	G	NG				
L	14+51.97	17+70.72	RT.	318.75				15+02		10	13							1			1							32		
L	20+74.38	23+68.13	RT.	293.75		250.00		23+68		10	13	100		2				1	1					1				152		
L	21+42.52	23+17.52	LT.	175.00					23+17	10	13		100		2				1		1			1						
L	22+02.69	23+46.44	MED.	143.75				23+46		8.75	-	87.5		4.75										1		1		153		
L	22+02.69	23+39.21	MED.	137.50					23+39	8.75	-		75		4.75									1						
L	24+51.06	27+13.56	MED.	262.50					24+51	10	13	100		2				1						1						
L	24+72.75	26+10.25	MED.	137.50				24+80		8.75	-	100		4.75										1		1				
L	24+79.99	26+10.25	RT.	131.25					24+80	8.75	-		87.5		4.75									1				53		
L	25+01.68	25+89.18	RT.	87.50		150.00			25+00	9.25	12.25		62.5		1.25				1		1			1				43		
L	31+95.00	37+13.75	RT.	518.75				32+45		10	13							1			1							501		
L / Y5	40+34.57	11+65.00	RT. / RT.	400.00	37.50			40+85	11+15	10	13							2										165		
L / Y4	43+25.64	11+98.10	LT. / RT.	287.50	43.75			13+03 Y4	13+66 Y4	10	13							1			1									
L	42+86.41	44+64.69	RT.																									178		
Y4 / L	11+84.19	59+26.93	LT. / LT.	1625.00	50.00			58+02	13+09 Y4	10	13							2												
L	46+96.40	59+31.72	CL																									1235		
DR2	12+68.86	13+68.86	RT.	62.50	37.50					2	5						2													
L	57+75.00	59+06.25	RT.	131.25				59+00	59+06	10	13							1			1							101		
L	71+93.75	74+25.00	LT.	231.25				73+00	71+94	10	13							1			1							189		
L / Y8	75+47.11	12+64.57	RT. / RT.	537.50	37.50			76+72	11+40	10	13							2										375		
L	77+62.50	78+50.00	LT.	87.50					78+50	10	13										1			1				1014		
DR19	10+60.93	12+98.43	RT.	237.50	25.00			11+72	11+79	2	5						2													
DR19	10+92.18	12+98.43	LT.	206.25				11+79	11+72	2	5						2													
L	87+50.00	92+81.25	LT.	531.25				87+50		10	13							1						1				385		
Y9	13+36.68	-	CL	25.00						-	-									2										2 TERMINAL END SECTIONS ARE USED
Y9	13+09.30	13+21.80	RT.	12.50						-	-									2										2 TERMINAL END SECTIONS ARE USED
L	99+32.28	100+88.53	LT.	156.25				99+64	99+32	10	13							1			1							154		
L	102+82.30	104+11.04	LT.																									129		
DR23	10+18.41	11+62.16	RT.	125.00	37.50			10+43	11+43	2	5						2													
DR23	10+19.05	11+62.80	LT.	112.50	31.25			11+43	10+43	2	5						2													
L	111+13.90	120+64.57	CL																									951		
L	115+15.00	120+65.00	LT.	550.00					120+65	10	13		100		2						1			1				565		
L	118+15.00	120+65.00	RT.	250.00				120+65		10	13	100		2				1						1						
L	119+46.25	120+65.00	MED.	118.75				120+65		8.75	-	75		4.75										1		1				
L	119+46.25	120+65.00	MED.	118.75					120+65	8.75	-		75		4.75									1						
L	123+80.00	125+55.00	LT.	175.00				123+80	125+55	10	13	100		2										2				265		
L	123+80.00	124+92.50	MED.	112.50				123+80		8.75	-	75		4.75										1		1				
L	123+80.00	124+92.50	MED.	112.50					123+80	8.75	-		75		4.75									1						
L	127+51.72	131+04.04	LT.																									352		
L / Y13	129+50.00	16+30	LT. / RT.	656.25	50.00			17+30 Y13	129+50 L	10	13							1						1				103		
L	134+10.12	135+74.30	LT.																									164		
L / Y14	135+18.00	11+41.43	RT. / RT.	143.75	50.00			10+81 Y14		10	13							2												
Y14 / L	11+38.29	140+06.78	LT. / RT.	293.75	62.50			137+76 L	140+07 L	10	13							1			1							215		
L	144+02.71	155+33.96	RT.	1131.25				145+28	155+34	10	13							1			1							1140		
L / Y17	155+68.13	13+96.47	LT. / RT.	331.25	25.00			15+21 Y17	155+68 L	10	13							1			1							164		
Y17 / L	13+87.68	186+96.46	LT. / LT.	2925.00	50.00			185+71 L	158+84 L	10	13							2										2799		
L	197+50.00	202+50.00	LT.	500.00				198+50	202+50	3	6						2													FOLLOWS CATABERRY LANE
L	206+03.25	208+72.00	LT.	268.75				207+47	206+03	10	13							1			1							290		
L / Y20	211+80.60	10+10.00	LT. / RT.	456.25	81.25			11+35.00 Y20	211+81	10	13							1			1									
L	212+00.00	215+56.25	RT.	356.25				213+25	215+56	10	13							1			1							365		
L	222+35.07	225+41.32	RT.	306.25				223+68	225+49	10	13							1			1							302		
L	223+79.07	225+68.19	CL																									189		
L	225+84.98	226+50.00	RT.	62.50	25.00			226+50		10	13												1	1				540		
L	226+16.68	227+81.29	CL																									165		
L	229+50.00	231+37.50	RT.	187.50				229+50	231+38	10	13										1			1						
L	233+29.66	236+60.91	RT.	331.25				234+55	236+61	10	13							1			1									
L	242+04.06	242+94.23	RT.																									90		
Y21 / L	12+38.22	247+19.25	LT. / RT.	531.25	25.00			11+23	247+19	10	13		100		2			1						1				541		
L	245+70.75	246+70.75	LT.	100.00					246+71	9.25	12.25		75		1.5						1			1						
L	245+72.79	246+91.54	MED.	118.75					246+92	8.75	-		87.5		4.75									1		1		392		
L	245+72.79	246+98.46	MED.	131.25				246+98		8.75	-	87.5		4.75										1						
L	248+55.75	251+12.00	LT.	256.25				248+56		10	13	100		2				1						1						
L	248+76.54	250+14.04	MED.	137.50				248+77		8.75	-	100		4.75										1		1				
L	248+83.46	250+14.04	MED.	131.25					248+83	8.75	-		87.5		4.75									1						
L / Y23A	249+04.25	14+94.25	RT. / RT.	687.50	75.00			13+81 Y23A	249+04 L	10	13		100		2			1						1				226		
		SHEET 1 TOTAL		18,456.25	743.75	400.00											12	32	3	4	20		1	29		6		14,678		