RAL-CND

COMPUTED BY:	P. ROGERS	DATE:	3-18-14
CHECKED BY:	N. BEDENBAUGH	DATE:	5-27-14

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	3B-8

"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	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	TES		M-350	B-77	CAT-1		TYPE III	AT-1	G	NG				
-Y6-	24+14.06	30+14.06	LT	600.00			29+14.06	24+14.06	6	9	50	50	1	1	2														
-Y6-	30+13.74	33+76.24	RT	362.50			31+13.74	33+76.24	6	9	50	50	1	1	2														
-Y7-	11+19.89	13+44.89	LT	200.00	50		13+19.89	11+19.89	4	7		50		1	1														
		(=Y1 21+94.50)																											
-Y7-	12+44.58	13+44.58	RT	75.00	50		13+19.58	12+44.58	4	7	50		1		1														
		(=Y1 22+69.57)																											
-Y2A-	16+65.84	17+47.09	LT	81.25				17+47.09	4	7		50		1	1				1										
-Y2A-	17+47.09	19+13.54	LT																							167			
-Y2A-	19+13.54	20+57.29	LT	143.75			19+13.54		4	7	50		1		1				1										
-Y3-	20+09.64	21+03.39	LT	93.75				21+03.39	32	35		50		1	1				1										
-Y3-	21+03.39	24+32.11	LT																							329			
-Y3-	24+32.11	26+38.36	LT	206.25			24+32.11		32	35	50		1		1				1										
-Y3-	21+85.69	23+55.21	RT																							170			
-Y3-	20+79.44	21+85.69	RT	106.25			21+85.69		8	11	50		1		1				1										
-Y3-	23+55.21	24+48.96	RT	93.75				23+55.21	8	11		50		1	1				1										
ADDITIONAL G.R. OUTSIDE PROJECT LIMITS																													
-Y4-	SEE DETAIL SHEET 2S-1			43.75				Sign Support	6	9										1							6.25		
		SHEET TOTALS :		**2006.25**	**100.00**										**12**	**0**		**0**	**6**	**1**		**0**	**0**	**0**	**0**	**666**	**6**	**0**	
		PROJECT TOTALS :		**103658.50**	**212.50**										**73**	**16**		**2**	**68**	**44**		**8**	**0**	**0**	**1**	**12970**	**37138**	**0**	
		ANC. DEDUCTION :		**5446.00**																									
		TOTAL:		**98212.50**	**212.50**																								
		SAY :		**98212.50**	**212.50**																								

ANCHOR DEDUCTIONS :					
GRAU-350	73	@ 50'	=	3650.00	
M-350	2	@37.5'	=	75.00	
B-77	68	@ 18.75'	=	1275.00	
CAT-1	44	@ 6.25'	=	275.00	
TYPE III	8	@ 18.75'	=	150.00	
ATTENUATORS	1	@ 21.00'	=	21.00	
ADDITIONAL GUARDRAIL POSTS=				10	