

COMPUTED BY: JMB DATE: 2/17
 CHECKED BY: DDM DATE: 2/17

PROJECT REFERENCE NO. U-2579C
 SHEET NO. 3B-2

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS							IMPACT ATTENUATOR TYPE 350			REMARKS											
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TEMP GREU TL-3	TES	GREU TL-2	GREU TL-3	CAT-1	TYPE III	B-77	NO.	PERMITTED G	NG												
-L-	385+00.00	386+77.67	LT	177.67			N/A	N/A	14	17	0	0	0	0																				TIE TO FUTURE GUARDRAIL AT END TIP PROJECT U-2579D		
-L-	385+00.00	388+25.00	MED-LT	325.00			N/A	N/A	12	12	50	0	1	0									1										TIE TO FUTURE GUARDRAIL AT END TIP PROJECT U-2579D			
-L-	385+00.00	431+93.75	MED-RT	4,693.75			N/A	N/A	12	12	0	0	0	0																			TIE TO FUTURE GUARDRAIL AT END TIP PROJECT U-2579D			
-L-	388+45.00	459+51.25	MED-LT	7,106.25			N/A	N/A	12	12	50	0	1	0									1	1									SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS			
-L-	412+00.00	415+56.25	RT	356.25			413+50.00	415+50.00	14	17	50	0	1	0									1	1									SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS			
-L-	409+93.75	416+00.00	LT	606.25			414+50.00	410+00.00	14	17	50	0	1	0									1	1									SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS			
-L-	424+25.29	424+49.49	LT	25.00			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A																				SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS		
-L-	431+00.00	445+81.25	RT	1,481.25			432+50.00	443+00.00	14	17	50	0	1	0									1	1									SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS			
-L-	432+14.14	472+45.39 (BR)	MED-RT	4,031.25			472+45.39 (BR)	N/A	12	12	0	0	0	0																				SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS		
-L-	435+43.75	444+00.00	LT	856.25			442+50.00	435+50.00	14	17	50	0	1	0									1	1										SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS		
-L-	448+43.75	450+50.00	LT	206.25			448+50.00	N/A	14	17	50	0	1	0									1	1										PROPOSED DMS		
-L-	456+00.00	458+06.25	RT	206.25			458+06.25	N/A	14	17	50	0	1	0									1	1										PROPOSED CANTILEVER SIGN		
-L-	458+93.75	461+00.00	LT	206.25			459+00.00	N/A	14	17	50	0	1	0									1	1										PROPOSED CANTILEVER SIGN		
-L-	459+77.01	472+39.51 (BR)	MED-LT	1,262.5			N/A	472+39.51 (BR)	12	12	0	0	0	0																						
-L-	469+58.43	472+64.69 (BR)	RT	306.25			472+64.69 (BR)	N/A	14	17	50	100	1	2									1													
-L-	470+95.22	472+20.22 (BR)	LT	125.00			N/A	472+20.22 (BR)	12	15	0	0	0	0																						
-L-	474+75.21 (BR)	478+06.46	LT	331.25			474+30.21 (BR)	N/A	14	17	50	100	1	2									1											SHOULDER DRAIN LOCATED WITHIN GUARDRAIL LIMITS		
-L-	474+94.51 (BR)	478+00.00	MED-LT	305.49			474+49.51 (BR)	N/A	12	12	0	0	0	0																						
-L-	475+00.39 (BR)	478+00.00	MED-RT	299.61			N/A	474+55.39 (BR)	12	12	0	0	0	0																						
-L-	475+19.68 (BR)	477+57.22	RT	237.5			474+74.69 (BR)	477+25.00	14	14	100	0	2	0																						
-YIRPB-	10+00.00	26+00.00	LT	1,600.00			25+00.00	N/A	12	15	50	0	1	0									1													
-YIRPC-	18+93.42	24+05.92	RT	512.5			16+49.12	24+00.00	12	15	0	0	0	0																						
-YIRPD-	23+43.75	31+50.00	LT	806.25			31+00.00	23+50.00	12	15	50	0	1	0									1	1												
-YIRPD-	23+43.75	31+25.00	RT	781.25			30+50.00	23+50.00	12	15	50	0	1	0									1	1												
-Y1-	11+25.00	14+75.00	RT	350.00			12+50.00	13+50.00	10	13	50	50	1	1																						
-Y1-	25+05.97	28+12.22 (BR)	RT	306.25			28+12.22 (BR)	N/A	8	11	50	0	1	0									1													
-Y1-	26+77.05	28+14.55 (BR)	LT	137.50			N/A	28+14.55 (BR)	8	11	0	50	0	1																						
-Y1-	30+33.58 (BR)	34+08.58	RT	375.00			30+33.58 (BR)	34+00.00	8	11	0	0	0	0																						
-Y1-	30+34.52 (BR)	33+40.77	LT	306.25			30+34.52 (BR)	N/A	8	11	50	0	1	0									1													
-Y2-	17+15.55	20+21.80 (BR)	RT	306.25			20+21.55 (BR)	N/A	7.5	10.5	50	0	1	0																						
-Y2-	18+72.69	20+16.44 (BR)	LT	143.75			N/A	20+16.19 (BR)	3	11	0	125	0	2.5									1													
-Y2-	22+37.69 (BR)	25+43.94	LT	306.25			22+37.94 (BR)	N/A	3	11	287.5	0	5.75	0									1													
-Y2-	22+43.05 (BR)	23+86.80	RT	143.75			N/A	22+43.30 (BR)	7.5	10.5	0	50	0	1									1													
-SRSA-	21+92.50	23+42.50	LT	150.00			22+71.35	22+63.39	4	7	50	50	1	1																						
-SRSA-	21+92.50	23+42.50	RT	150.00			22+62.15	22+70.04	4	7	50	50	1	1																						
				SUBTOTALS:	29,520.27																		2	4	23	17	5	12								
				ANCHOR DEDUCTION:	1,675.00'																															
				TOTAL:	27,845.27																															
				SAY:	28,000.00																															

ANCHOR DEDUCTION:
 GREU TL-2: 4 @ 25' = 100.00'
 GREU TL-3: 23 @ 50' = 1,150.00'
 CAT-1: 17 @ 6.25' = 106.25'
 TYPE III: 5 @ 18.75' = 93.75'
 B-77: 12 @ 18.75' = 225.00'
 GRAND TOTAL = 1,675.00'
 ADDITIONAL GUARDRAIL POSTS = 10

TEMPORARY GUARDRAIL SUMMARY

-Y1DET-	23+75.00	28+50.00	LT	475.00			24+75.00	28+50.00	8	10	50	50	1	1								2													
-Y1DET-	24+00.00	29+50.00	RT	550.00			25+00.00	28+50.00	8	10	50	50	1	1									2												
-Y2DET-	19+50.00	23+50.00	LT	400.00			22+75.00	20+25.00	6	8	50	50	1	1									2												
				SUBTOTALS:	1,425.00																			6											
				ANCHOR DEDUCTION:	300.00																														
				TOTAL:	1,125.00																														
				SAY:	1,200.00																														

ANCHOR DEDUCTION:
 TEMP GREU TL-3: 6 @ 50' = 300'

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