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COMPUTED BY:	LRS	DATE:	12/8/2021
CHECKED BY:	ADS	DATE:	3/25/2023

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
R-3833C	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 (LF)			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL BERM WIDTH FROM FACE	FLARE LENGTH		W		ANCHORS				IMPACT ATTENUATOR IA-MASH TL-3		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	GREU TL-3	GREU TL-2	CAT-1	B-77	G	NG				
-L-	24+43.75	37+50	LT	1153.77	183.45'		36+50	24+50	18'	14'/17.5'	50'	0'	1'	0'	1		1							**17.5' total berm width at wall**
-L-	-DRWY2- 10+88.01	-L- 39+56.25	LT / RT	498.75	41.61'		-L- 34+89.10	-L- 39+50.00	18'	14'	N/A	N/A	N/A	N/A			2							
-L-	57+35.00	60+32.65	RT	270.71	15.25'		58+35.00	60+27.17	2'	10'	50'	0'	1'	0'	1		1							
-L-	-Y- 35+37.77	-L- 61+11.53	RT/LT	85.77	63.11'		-L- 61+51.27	-L- 61+17.78	14'/18'	14'/16'	50'	0'	1'	0'	1		1							**16' total berm width at wall**
-L-	-L- 64+23.00	-Y- 33+20.00	LT	332.80	60.07'		-L- 63+48.00	-Y- 33+13.75	14'	14'	50'	0'	1'	0'	1		1							
-L-	-Y- 38+19.12	-L- 65+92.43	LT/RT	353.66	72.11'		-Y- 37+69.12	-L- 65+86.18	20'/14.75'	20' / 14.75'	50'	0'	1'	0'	1		1							**Odd offsets at end to match police station drive**
-L-	66+26.70	68+56.25	RT	180.51			66+32.95	68+50.00	20'	20'	0'	0'	0'	0'			2							
-Y-	31+20.37	32+83.88	RT	134.40			31+98.00	32+27.00	2'	5.5'	0'	0'	0'	0'				2		1	29			**Total berm width = 1/2 of median width**
-Y-	33+05.01	31+41.37	RT	134.40			32+27.00	31+98.00	2'	5.5'	0'	0'	0'	0'				2		1	29			**Total berm width = 1/2 of median width**
-Y-	39+58.37	41+21.62	LT	134.40			40+36.00	40+65.00	2'	5.5'	0'	0'	0'	0'				2		1	29			**Total berm width = 1/2 of median width**
-Y-	41+42.63	39+79.37	LT	134.40			40+65.00	40+36.00	2'	5.5'	0'	0'	0'	0'				2		1	29			**Total berm width = 1/2 of median width**
-Y-	-Y- 41+63.84	-Y5- 17+51.52	RT/LT	279.26	34.64'		-Y- 42+00.00	-Y- 44+42.47	14'	14'	50'	0'	1'	0'	1		1							
-L-	-L- 34+72	-L- 38+28	RT																			365		
-L-	-L- 46+94	-L- 52+51	LT																			554		
															6		**10**	**8**	**0**	**4**	**116**	**919**		
			SUBTOTAL	3692.830	470.24																			
		LESS DEDUCTIONS FOR ANCHORS																						
		GREU TL-3 @ 50' EA =		300.00																				
		CAT-1 @ 6.25' E		62.50																				
		B-77 @ 22.875' EA =		183.00																				
		IA-MASH TL-3 @ 21.00' EA =		84.00																				
		PROJECT TOTALS:		3063.33																				
			SAY:	**3087.50**	**487.50**		**Additional Posts**	**10**	**EA**															
							8' Guardrail Posts	**4**	**EA**															**At Retaining Wall 4. See Detail 2C-11**