COMPUTED BY:	Justin Blackman	DATE:	3/13/2019
CHECKED BY:	Curtis Tillman	DATE:	3/25/2021

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
I-5878	3B-6

"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		DOUBLE FACED CONCRETE BARRIER	SINGLE FACED CONCRETE BARRIER	CONCRETE BARRIER TRANSITION SECTION	MEDIAN HAZARD PROTECTION	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	XI MOD	XI	GREU TL-3	GREU TL-2	CAT-1	AT-1	B-77	TYPE III	TES	G	NG							
-L-	953+92.59	956+73.23	RT	282.00		1	956+67.00		14	17	50		1				1		1													
-L-	966+42.32	969+40.19	RT	297.00			969+14.40		14	17	50		1				1				1						271.9			91.65		
-L-	976+87.68	979+85.55	LT	225.00			977+06.90		14	17	50		1				1				1						610.4			90.57		
-LREV-	994+65.00	1002+07.29	RT	740.00			996+15.25	1002+06.85	14	17	50		1				1				1											
-LREV-	1001+83.30	1002+46.41	LT	75.00			1002+46.85		14	17									1		1									845.20		
-LREV-	1003+12.04	1010+05.00	RT	700.00			1003+11.60	1010+04.01	14	17									1		1											
-LREV-	1003+51.16	1009+10.00	LT	562.50			1007+59.10	1003+51.60	14	17	50		1				1				1									1341.83		
-Y14-	21+15.43	23+28.01	RT	62.50	200		22+56.30		14	17	50		1				1													327.71		
-Y14RPB-	20+00.99	22+52.63	LT	262.50				20+00.99	14	17									1											499.12		
-Y14-	23+72.71	25+11.40	RT	100.00	125			25+12.10	8	11								1				1										
-Y14-	26+99.16	28+68.43	LT	175.00			26+99.16		8	11								1				1										
-Y14-	30+36.99	31+73.24	LT	25.00	125				14	17								1														
-NBCD-	10+42.23	14+44.01	RT	412.50				14+44.01	14	17									1											1415.67		
-Y15-	26+06.60	27+70.96	RT	190.00			27+70.96		10	13	50		1				1				1						161.6			234.89		
-Y15-	29+08.36	31+07.93	LT	218.00			29+08.36		10	13	50		1				1				1						161.4			200.10		
-LREV-	1018+00.00	1021+97.50	LT	397.875			1019+48.52		14	17	50		1				1					1										
-SR11-	11+45.36	12+86.00	RT	147.88			12+86.00		4	7	50		1				1					1										
-SR11-	20+01.93	21+57.60	RT	156.25			21+41.35		4	7	50		1				1		1													
-Y15RPA-	19+65.20	20+50.00	RT	85.38			20+50.00		14	17	50		1				1				1						158.59					
-Y15RPD-	14+00.00	18+51.26	LT	200.00			19+74.69		14	17	50		1				1				1						247.00					
-L-	1039+70.00	1044+25.25	RT	462.50			1041+20.00		14	17	50		1				1		1													
-L-	1042+31.25	1046+00.00	LT	375.00			1044+00.00	1042+40.00	14	17	50		1				1		1													
-SBCD-	25+10.00	34+36.85	LT						14	17															1	784.44	39.29		78.35			SEE DETAIL 2C-8 FOR MEDIAN HAZARD PROTECTION
-SR18-	12+57.26	14+07.46	RT	188.00			14+07.46		4	7	25		0.5					1			1						40.00					
-L-	925+00.00	970+53.27	CL																							4553.27						
-L-	970+53.27	972+30.73	CL																								125.46		114.73			SEE DETAIL 2C-8 FOR MEDIAN HAZARD PROTECTION
-L-	972+30.73	981+00.00	CL																							869.27						
-LREV-	981+00.00	1021+98.66	CL																							4098.66						
-L-	1022+00.00	1061+62.99	CL																							3962.99						
-L-	946+00.00	1061+62.99	MED RT																											11562.99		REMOVE DOUBLE FACED GUARDRAIL
-L-	1037+56.33	1047+75.89	RT/LT																											1883.36		
-Y14RPC-	21+26.83	22+23.14	LT																											330.84		
-SBCD-	10+58.41	12+10.13	RT																											358.49		
-SBCD-	10+58.41	12+10.13	RT																											358.49		
-NBCD-	36+59.54	36+91.05	RT	25.00																			2									TERMINAL END SECTION ON WHITE LINE RD.
-L-	1017+50.00		LT																									1				FOR OVERHEAD SIGN
				0.00																												
				0.00																												
				0.00																												
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				0.00																												
				0.00																												
			SUBTOTAL	6,364.88	450.00	0.00									0	0	15	4	8	0	11	4		0	1	14268.64	1815.64	1	193	19540.91		
		ANCHOR UNIT DEDUCTION																														
		GREU 350 TL-3: 15 @ 50.00 = 750.00																														
		GREU 350 TL-2: 4 @ 25.00 = 100.00																														
		AT-1: 0 @ 6.25 = .00																														
		CAT-1: 8 @ 6.25 = 50.00																														
		TYPE B-77: 11 @ 22.875 = 251.63																														
		TYPE III: 4 @ 18.750 = 75.00																														
		TOTAL		1,226.63																												
			I-5878 TOTAL	5,138.25	450.00										0	0	15	4	8	0	11	4			1	14280	1820	1	193	19541.00		
			SAY	**5,150.00**																												
		ADDITIONAL GUARDRAIL POST		25.00																												