COMPUTED BY: BAW	DATE: 8-21-2023																		PROJECT REFERENCE NO.	SHEET NO
CHECKED BY:ABP	DATE: 8-21-2023						ST	ATE OF								GANNE	One Glenwood Avenu Suite 900	ue	HE-0011	3B-1
								DIVISIC	ON OF	HIGHW	AIS					FLEMIN	One Glenwood Avenu Suite 900 Raleigh, NC 27603 919-420-7660 NC Lic. No. F-0270			
							S	UMMAR	Y OF I		WOR	2K								
												1								
								STATION	UNCL. EXCAV.	UNDERCUT EXCAV.	EMBANK. + %	BORROW	WASTE							
						-L- 11 -Y1- 10	+ 00.00	-L- 32+10.08 -Y1- 38+40.79	1,146 36,503	9,400	842 24,119		304 21,784	Forthwork	wantitias are cale	ulated by the Readyre				
							TOTAL	S:	37,649	9,400	24,961		22,088	These earth	work quantities are calc work quantities and the Geotechnical	ulated by the Roadwa re based in part on su Engineering Unit.	ibsurface data			
						LOSS I	DUE TO CLEARIN ADDITIONAL U	G AND GRUBBING	-4,700	1,300	1,560	1,560	-4,700 1,300							
							WASTE IN LIEU	OF BORROW				-1,560	_1,560	Approximat clearing and	e quantities only. I grubbing, should	Unclassified excavation der borrow and remov he contract lump sum	on, fine grading, al of existing			
							PROJECT GRAND		32,949 32,949	10,700 10,700	26,521 26,521		17,128 17,128	pavement v	vill be paid for at th	he contract lump sum	price for grading.			
						EST. DRAINAGI	SA` E DITCH EXCAVA	TON (DDE) = 780	33,000 CY											
						SHOULDER BC SELECT GRANI)RROW = 3,27(JLAR MATERIAL, C	CY LASS III = 9,400 CY CY + 400 CY (CO	+ 1,600 CY (CO	NTINGENCY TO	BE USED AT	THE DISCRETION	N OF THE ENGINE	ER) = 11,000 CY						
						CLASS IV SUB SEE GEOTECH	GRADE STABILIZA NICAL SUMMARIE	7ON = 2,480 TON 5 ON SHEET 3G-1 A	S + 750 TONS (C ND GEOTECH RECO	CONTINGENCY TO DMMENDATIONS	D BE USED A REPORT FOR F	T THE DISCRET	ON OF THE ENGINATION.	NEER) = 3,230 TONS						
				PAVEM	ENT RE	MOVA	L SUN	MARY												
								2												
				SURVEY LINE -L-	STATION 13 + 80.69	STATION 24+61.93	LOCATION LT/RT/CL CL	YD ² 1,291.17												
				-L-	24+40.34	26+66.60	RT	488.03		-	. – –			~ -		. . .				
				-L- -L-	25 + 58.79 30 + 10.21	29+96.00 36+33.84	CL LT	476.50 608.08		SH	OULL	DER E	BERM	GUTTER	R SUMN	<i>ARY</i>				
]	SURVEY	STATION	STATION	LENGTH					
												LINE -Y1-	21+99.62	25+50.14	350.5′					
												-Y1-	22+74.43	25+50.37	275.9′					
														τοτ,						
											l			SA	Y: 630′					
							TOTAL:	2,863.78												
							SAY:	2,870												
								2,070												
N" = DISTANCE FROM EDGE OF LA DTAL SHOULDER WIDTH = DISTANC			т																	
ARE LENGTH = DISTANCE FROM L = TOTAL WIDTH OF FLARE FROM	LAST SECTION OF PARALLEL GUAR M BEGINNING OF TAPER TO END	DRAIL TO END OF GUARDR						GUARDI		тталал	DV									
											111						1 1	· · · · ·		
	-	LENG	тн	WAR	ANT POINT	"N" DIST.	TOTAL SHOUL.	FLARE LENGTH		/	I	1		ANCHORS	1	IMPACT ATTENUATOR TYPE 350	FACED EXISTING	REMOVE AND STOCKPILE	REMARKS	
G = NON-GATING IMPACT ATTEN	END STA. LOCATION				TRAILING	FROM E.O.L.		PROACH TRAILING END END	G APPROACH END		GREU TL-3	T–1 AT–1	TES			EA G NG	GUARDRAIL GUARDRAI			
G = NON-GATING IMPACT ATTEN	END STA. LOCATION	STRAIGHT SHOP CURVE		APPROACH END	END			i			·						3			
G = NON-GATING IMPACT ATTEN GURVEY LINE BEG. STA. -Y1- 17+93.75	29+00.00 LT	1118.75	D FACED	END N/A	N/A	8	11	50.00 N/A N/A N/A	1.00	N/A N/A	1 1	1								
G = NON-GATING IMPACT ATTENI URVEY BEG. STA.	29+00.00 LT	CURVE	D FACED	END		8 8 N/A	11 11 N/A	50.00 N/A N/A N/A N/A N/A	1.00 N/A N/A	N/A N/A N/A	1 1 1	1	2						END OF ROADWAY – GUARDRAIL WIT SEE SPECIAL DETAIL SHEET 2C-3	I TERMINAL END
G = NON-GATING IMPACT ATTEN GURVEY LINE BEG. STAY1- 17+93.75 -Y1- 22+32.43	29+00.00 LT 29+00.00 RT	STRAIGHT CURVEI 1118.75 287.5	D FACED	END N/A N/A	N/A N/A	8 8 N/A	11	N/A N/A	N/A	N/A		1	2						END OF ROADWAY – GUARDRAIL WIT SEE SPECIAL DETAIL SHEET 2C–3	i terminal end
G = NON-GATING IMPACT ATTENSURVEYLINE BEG. STAY1- 17+93.75-Y1- 22+32.43-Y1- 38+40.79	29+00.00 LT 29+00.00 RT 38+40.79 CL LESS ANCHOR DEDUCTIONS GREU TL-3 1 @ 50'	STRAIGHT CURVED 1118.75 287.5 287.5 87.5 50 -50	D FACED	END N/A N/A	N/A N/A	8 8 N/A	11	N/A N/A	N/A	N/A		1	2						END OF ROADWAY – GUARDRAIL WIT SEE SPECIAL DETAIL SHEET 2C–3	I TERMINAL END
IG NON-GATING IMPACT ATTENI SURVEY BEG. STA.	29+00.00 LT 29+00.00 RT 38+40.79 CL 38+40.79 CL LESS ANCHOR DEDUCTIONS GREU TL-3 1 @ 50' CAT-1 2 @ 6.25' AT-1 1 @ 6.25'	STRAIGHT CURVED 1118.75 287.5 287.5 87.5 50	D FACED	END N/A N/A	N/A N/A	8 8 N/A	11	N/A N/A	N/A	N/A			2						END OF ROADWAY – GUARDRAIL WIT SEE SPECIAL DETAIL SHEET 2C–3	I TERMINAL END
-Y1- 17+93.75 -Y1- 22+32.43 -Y1- 38+40.79	29+00.00 LT 29+00.00 RT 38+40.79 CL LESS ANCHOR DEDUCTIONS GREU TL-3 1 @ 50' CAT-1 2 @ 6.25'	STRAIGHT CURVEI 1118.75 287.5 287.5 87.5 50	D FACED	END N/A N/A	N/A N/A	8 8 N/A	11	N/A N/A	N/A	N/A	1 1 1 	1 1 	2						END OF ROADWAY - GUARDRAIL WIT SEE SPECIAL DETAIL SHEET 2C-3	I TERMINAL END



STATION	STATION STATION		UNDERCUT EXCAV.	EMBANK. + %	BORROW	WASTE
-L- 11+00.00	-L- 11+00.00 -L- 32+10.08			842		304
-Y1- 10+46.78	-Y1- 38+40.79	36,503	9,400	24,119		21,784
TOT	TOTALS:			24,961		22,088
LOSS DUE TO CLEAR	LOSS DUE TO CLEARING AND GRUBBING					-4,700
ADDITIONAL	ADDITIONAL UNDERCUT			1,560	1,560	1,300
WASTE IN LIEU				-1,560	_1,560	
PROJEC	32,949	10,700	26,521		17,128	
GRAND	GRAND TOTALS:			26,521		17,128
S	33,000					

LINE 21+99.62 25+50.14 350. -Y1- 22+74.43 25+50.37 275. -Y1- 22+74.43 25+50. -Y1-				
-Y1- 22+74.43 25+50.37 275.	SURVEY LINE	STATION	STATION	LENG
Image: Constraint of the second se	-Y1-	21+99.62	25+50.14	350.
	-Y1-	22+74.43	25+50.37	275.
SAY: 630		•	TOTAL:	626.
SAY: 630				
			SAY:	630



One Glenwood Avenue	
Suite 900	
Raleigh, NC 27603	
919-420-7660	

PROJECT REFERENCE NO.	SHEET NO.
HE_0011	3B–1

GTH	
.5′	
.9′	
E/	
.5′	
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