COMPUTED BY: PADDY JORDAN	DATE: <u>11–20–2024</u>
CHECKED BY: TIM JORDAN	DATE: <u>11–21–2024</u>

		DATE: 11 20 2024															PROJECT REFERENCE	SHEET NO.
CHECKED BY:	TIM JORDAN	DATE: <u>11-21-2024</u>															17BP.7.R.116	3B–1
"N" = DISTAN TOTAL SHOULD FLARE LENGTH W = TOTAL G = GATING NG = NON-	NCE FROM EDGE OF LA DER WIDTH = DISTAN = DISTANCE FROM WIDTH OF FLARE FROM 5 IMPACT ATTENUATOR GATING IMPACT ATTEN	ANE TO FACE OF GUAI CE FROM EDGE OF TRA LAST SECTION OF PARA M BEGINNING OF TAPE TYPE 350 JUATOR TYPE 350	RDRAIL. AVEL LANE TO SHOULI ALLEL GUARDRAIL TO E R TO END OF GUARI	DER BREAK POINT ND OF GUARDRA DRAIL.	NL.			GUA	RL)RA	IIL S	UMM	4 <i>R</i>	2Y				
SURVEY	BEG. STA.				LENGTH		WARRAN		"N" DIST.	TOTAL	FLARE LENGTH	w			ANCHORS IMPACT ATTENUAT TYPE 35		DEMADUS	
LINE			LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	E APPROACH TRAILING E.O.L.	.O.L. WIDTH	APPROACH TRAILING END END	APPROACH TRAILING END END	AT–1	GREU TL–3 TYPE III		NO. G NG				
-L-	12+23.39	14+79.64	RT	256.25′				14+79.64	8'	11′	50'	1'		1 1				
-L-	13 + 78 +/-	14+90.36	LT	100.00′	25.00′		14+90.36		8′	11′			1	1			BREAK FOR DRIVE	
-L-	16+69.64	17+27 +/-	RT	25.00′	50.00′		16+69.64		8′	11′			1	1			BREAK FOR YLINE	
-L-	16+80.36	17+52 +/-	LT	62.50'	12.50′			16+80.36	8'	11′			1	1			BREAK FOR DRIVE	
		SUBTO		468.75'	87.50′													
			$\frac{1}{1} \times 50.00^{\prime}$	50.00′														
		B_77	1 × 18 75′ –	-75.00'														
		ΔΤ_1	$3 \times 625'$ -	_18 75'														
		то	TAL	325.00′	87.50′								3	1 4			5 ADDITIONAL GUARDRAIL POSTS	

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 11+50.00 TO 14+85.00	32		222	190	
-L- 16+75.00 TO 20+00.00	241		565	324	
-Y- 10+12.00 TO 11+50.00	6		47	41	
SUBTOTAL	279		834	555	
MATERIAL FOR SHOULDER CONST.			408	408	
LOSS DUE TO CLEARING & GRUBBING	–100			100	
PROJECT TOTAL	179		1242	1063	
5% TO REPLACE BORROW				54	
GRAND TOTAL	179		1242	1117	
SAY	190			1180	

EST. DDE = 235 CY EST. SHALLOW UNDERCUT = 100 CY

EST. CLASS IV SUBGRADE STABILIZATION = 200 TONS PER GEOTECH RECOMMENDATIONS, ESTIMATED 250 CY OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER



SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY
-L-	14+10.00	15+02.48	CL	241.44
-L-	16+65.00	17+10.00	CL	142.41
-Y-	10+12.00	12+00.00	CL	163.19
			TOTAL:	547.04
			SAY:	575

SUMMARY OF SHOULDER BERM GUTTER

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LENGTH
-L-	14+20.00	14+55.50	RT	35.50′
				25 50/
	35.50'			
	40'			
			JAT.	40



NOTE: Earthwork quantities are calculated by the Roadway Design Engineer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing and Removal of Existing Asphalt Pavement will be paid for at the contract Lump Sum price for "Grading".