

COMPUTED BY: SGM DATE: 4/21/2023
 CHECKED BY: JLT DATE: 4/24/2023

PROJECT NO. U-5775 SHEET NO. 3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- 19+46.00	-L- 30+00.00	618	840	222	
-Y- 11+00.00	-Y- 20+90.80	536	1,528	992	
-Y- 21+27.71	-Y- 26+78.00	275	2,711	2,436	
-SVC- 10+55.00	-SVC- 12+02.51	183	15		168
-SVC- 12+40.66	-SVC- 15+10.00	707	170		537
TOTALS:		2,319	5,264	3,650	705
WASTE IN LIEU OF BORROW				-705	-705
PROJEECT TOTALS:		2,319	5,264	2,945	0
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				147	
GRAND TOTALS:		2,319	5,264	3,092	
SAY:		2,400	3,200		

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, removal of existing pavement will be paid for at the lump sum price for "Grading".

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	19+46	22+25	RT	153.78			
-L-	19+46	23+36	LT	100.69			
-L-	24+61	25+44	RT	46.93			
Exist Peach St Rt of -L- Sta 22+73				796.11			
Exist Service Rd Rt of -Y- Sta 16+07				416.71			
TOTAL				1514.22			
SAY				1520			

EST. DDE = 18 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 100 CUBIC YARDS
 SELECT GRANULAR MATERIAL = 400 CUBIC YARDS
 ESTIMATED 400 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION O THE RESIDENT ENGINEER.

"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						TERMINAL SECTION (EA)		IMPACT ATTENUATOR TYPE 350		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	XI MOD	XI	GRAU 350	M-350	XIII	AT-1	VI MOD	G	NG							
-SVC-	15+14.53		CL	28.00																										
			TOTAL	28.00																										
			SAY	37.5																										

Additional Guardrail Posts : say 2 each