COMPUTED BY: JHA DATE: 10/09/17
CHECKED BY: DWG DATE: 05/17/18

PROJECT REFERENCE NO.	SHEET NO.
17BP.JR.78	3B-1

SEPI ENGINEERING & CONSTRUCTION
1025 Wade Avenue
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO. 1					
–L– STA. 16+50.00 TO STA. 17+97.38 (BB)	3		121	118	
TOTAL SUMMARY NO. 1	3		121	118	
SUMMARY NO. 2					
–L– STA. 18+84.63 (EB) TO STA. 20+25.00	8		74	66	
TOTAL SUMMARY NO. 2	8		74	66	
SUMMARY TOTALS	11		195	184	
PROJECT TOTAL	11		195	184	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				9	
GRAND TOTAL	11		195	193	
SAY	20			225	

UNDERCUT EXCAVATION = 300 CY
SELECT GRANULAR MATERIAL = 300 CY
GEOTEXTILE FOR SOIL STABILIZATION = 300 SY

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

"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.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEGINNING STATION	END STATION	LOCATION	LENGTH		WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS				REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	TYPE III				
–L–	17+16.13	17+97.38	LT	81.25′			17+97.38	6.4167′	9.4167′		62.5′		1.25′	1	1				
–L–	17+16.13	17+97.38	RT	81.25′		17+97.38		6.4167′	9.4167′	62.5′		1.25′		1	1				
–L–	18+84.63	19+65.88	LT	81.25′		18+84.63		6.4167′	9.4167′	62.5′		1.25′		1	1				
–L–	18+84.63	19+65.88	RT	81.25′			18+84.63	6.4167′	9.4167′		62.5′		1.25′	1	1				
			SUBTOTAL	325.00′										4	4				
	LESS ANCHOR DEDUCTIONS																		
	GREU TL-3 4 @ 50′ =			–200.00′															
	TYPE III 4 @ 18.75′ =			–75.00′															
			TOTAL	50.00′										4	4				
			SAY	75.00′															

ADDITIONAL GUARDRAIL POSTS = 5 EA.

SUMMARY OF PAVEMENT REMOVAL
IN SQUARE YARDS

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
–L–	17+68.50	18+07.33	LT/RT	99.57
–L–	18+74.24	19+13.50	LT/RT	99.54
			TOTAL	199.10
			SAY	225

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (FEET)
–L– LT.	18+95.51	19+00.00	4.49
–L– RT.	18+95.51	19+00.00	4.49
		TOTAL	8.98
		SAY	15.0

5/14/98
6/27/2018
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USER: Rhiza.Hope