COMPUTED BY: DMP	DATE: 4/12/2021
CHECKED BY: CJM	DATE: 7/21/2021

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.98	3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. +25%	BORROW	WASTE
-L- Sta. 10+30.00	-L- Sta. 14+40.00	563	323		239
-L- Sta. 14+90.00	-L- Sta. 16+75.00	230	140		89
PROJECT TOTALS:		792	464		329
REPLACE TOP SOIL ON BORROW PIT (5%)					
GRAND TOTALS:		792	464		329
SAY:		800	470		330

Earthwork quantities are calculated by the Roadway Design Engineer. These earthwork quantities are not based on subsurface data provided by the Geotechnical Engineer

RIGHT OF WAY AREA DATA

PARCEL NO.	SHEET NO.	PROPERTY OWNERS NAMES	TOTAL ACREAGE	AREA TAKEN ACRE (SF)	CONST. EASE. (SF)	PERM. DRAIN. EASE. (SF)	TEMP. DRAIN. EASE.
1	4 & 5	DENTON T. SPRUILL	–	0.069 (3,023.02)	0.130 (5,653.41)	0	
2	4 & 5	LARRY B. HOWELL	–	0.071 (3,080.63)	0.030 (1,297.34)	0.014 (602.03)	
3	5	DORA N. BARNES, HEIRS	–	0	0.022 (949.98)	0.025 (1,081.31)	

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- (RT)	13+82.00	14+40.00	58'
TOTAL:			58'
SAY:			58'

"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	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			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND 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	M-350	III	CAT-1	III SHOP CURVED	BIC	AT-1	EA	G	NG				
-L-	13+53.00	14+28.00	LT	75'			14+40.00		4'		44'		1'				1		1											
-L-	13+53.00	14+28.00	RT	75'				14+40.00	4'			44'		1'			1		1											
-L-	15+02.00	15+77.00	RT	75'			14+90.00		4'		55'		1'				1		1											
-L-	15+02.00	15+19.50	LT	6.25'	25'			14+90.00	4'			23'									1		1							
SUBTOTAL				231.25'	25'												3		3		1		1							
LESS 3 GREU TL-3 @ 44' EACH				132'																										
LESS 4 TYPE III @ 18.75' EACH				75'																										
LESS 1 AT-1 @ 6.25' EACH				6.25'																										
PROJECT TOTALS				18'	25'												3		3		1		1							
SAY				25'	25'												3		3		1		1							ADDITIONAL GUARDRAIL POSTS = 5

12/06/07
27-AUG-2021 14:31
R:\Roadway\Proj\17BP.1.R.98_rdy_3B.dgn
$$$$USERNAME$$$$