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PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.112	3A-1
R/W SHEET NO.	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"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-2	M-350	TYPE-III	CAT-1	VI MOD	B-77	AT-1	EA	G	NG				
-L-	11+38.75	11+82.50	LT	43.75	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
-L-	11+38.75	11+82.50	RT	43.75	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
-L-	12+27.50	12+71.25	LT	43.75	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
-L-	12+27.50	12+71.25	RT	43.75	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			SUB-TOTAL	175'											DEDUCTIONS FOR GUARDRAIL ANCHOR UNITS															
		DEDUCTIONS FOR GUARDRAIL ANCHOR UNITS		175'											GREU TL-2			4 @ 25.00' =		100'										
			TOTAL	0'											TYPE III			4 @ 18.75' =		75'										
			SAY	0'														TOTAL =		175'										

SUMMARY OF EARTHWORK (IN CUBIC YARDS)

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- 11+20.00	11+82.50	9	16	7	-
-L- 12+27.50	13+00.00	7	69	62	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
PROJECT TOTALS:		16	85	69	-
		-	-	-	-
LOSS DUE TO CLEARING & GRUBBING		-5	-	-	-
DDE IN LIEU OF BORROW		-	-	-69	-
-		-	-	-	-
-		-	-	-	-
-		-	-	-	-
GRAND TOTALS:		11	85	0	-
-		-	-	-	-
SAY:		15	-	0	-

DDE = 85 CY

CONTINGENCY ITEMS
UNDERCUT EXCAVATION 50 CY
SELECT GRANULAR MATERIAL 50 CY
GEOTEXTILE FOR SOIL STABILIZATION 50 CY
CLASS IV SUBGRADE STABILIZATION 50 CY
INCIDENTAL STONE BASE 50 TON

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

REVISIONS

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WSP USA
434 FAYETTEVILLE STREET
SUITE 1100
RALEIGH, NC 27601
TEL: 1.919.836.4040
FAX: 1.919.836.4099
LICENSE NO. F-0165

ROADWAY PLANS