

SHRINKAGE FACTOR = 25 %
 ROCK SWELL = 0 %

REVISED BY: SANDRA G. MELVIN Apr 29, 2004

PROJECT: R-513C

COUNTY: ROBESON

DATE: JULY 2001

COMPILED BY: SANDRA G. MELVIN

SHEET 4 OF 4

LINE (STATION TO STATION)	EXCAVATION					EMBANKMENT				BORROW	WASTE		
	TOTAL UNCLASS	ROCK	TOTAL UNDERCUT	UNSUITABLE EARTH	SUITABLE EARTH	TOTAL	ROCK	EARTH + 25 %	ROCK		SUITABLE	UNSUITABLE	

SUMMARY NO. 10

-L- 340+21 TO 348+38.725	5,598				5,598	1,980	0	1,980	2,475	0	0	3,123	0
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SUBTOTAL NO. 10	5,598	0	0	0	5,598	1,980	0	1,980	2,475	0	0	3,123	
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TOTAL	105,020	0	4,450	2,199	102,821	2,131,696	0	2,131,696	2,664,625	2,573,048	0	11,244	6,649
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TOTAL	105,020	0	4,450	2,199	102,821	2,131,696	0	2,131,696	2,664,625	2,573,048	0	11,244	6,649
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Est. reduction in Uncl. Exc. due to Clearing and Grubbing	-8300				-8300					8300			
Use Waste in-lieu of Borrow										-11,244		-11,244	
Est. Undercut per GEOTECH (3-8-01)			17,500										
Est. Select Granular per GEOTECH (3-8-01)										-12,400			

TOTALS:	96,720	0	21,950	2,199	94,521	2,131,696	0	2,131,696	2,664,625	2,557,704	0	0	6,649
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Estimated Shoulder Borrow										134000			
Est. 5% to replace topsoil on borrow pit										134585			

GRAND TOTALS:	96,720	0	21,950	2,199	94,521	2,131,696	0	2,131,696	2,664,625	2,826,289	0	0	6,649
SAY:	97,000		22,000							2,826,500			