

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5536

COUNTY: Forsyth

DATE: 7-May

COMPILED BY: R. DEMUYNCK

SHEET 1 OF 1

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- 10+77.76	-L- 12+33.25	27				27	248	248	285	258					
-L- 13+72.93	-L- 39+65.26	2,885				2,885	12,154	12,154	13,977	11,092					
-L- 41+05.26	-L- 57+97.45	479				479	55,902	55,902	64,287	63,808					
-L- 59+37.47	-L- 70+44.54	207				207	2,522	2,522	2,900	2,693					
-Y1A- 11+35.00	-Y1A- 12+94.82	35				35	37	37	43	8					
-Y1A- 14+24.82	-Y1A- 16+00.00	77				77	29	29	33			44		44	
	<b>SUBTOTAL</b>	<b>3,710</b>				<b>3,710</b>	<b>70,892</b>	<b>70,892</b>	<b>81,525</b>	<b>77,859</b>		<b>43</b>		<b>43</b>	
-Y1B- 10+18.23	-Y1B-16+87.63	315				315	608	608	699	384					
-Y2- 10+75.19	-Y2- 12+49.56	223				223	145	145	167			56		56	
-Y3- 11+18.91	-Y3- 15+82.80	121				121	540	540	621	500					
-Y4- 10+17.67	-Y4- 13+51.18	722		1,010		722	1,264	1,264	1,454	732			1,010	1,010	
-Y5- 11+37.35	-Y5- 12+32.24	78				78	21	21	24			54		54	
-Y5- 13+62.24	-Y5- 15+22.77	24				24	1,168	1,168	1,343	1,319					
	<b>SUBTOTAL</b>	<b>1,483</b>		<b>1,010</b>		<b>1,483</b>	<b>3,746</b>	<b>3,746</b>	<b>4,307</b>	<b>2,935</b>		<b>110</b>	<b>1,010</b>	<b>1,120</b>	
-Y6- 10+18.02	-Y6- 12+62.67	39				39	167	167	192	153					
-Y6- 12+98.68	-Y6- 14+30.00	11				11	15	15	17	6					
-Y7- 10+18.12	-Y7- 12+91.42	197		915		197	1,796	1,796	2,065	1,868			915	915	
-Y8- 12+10.10	-Y8- 15+74.89	292				292	159	159	183			109		109	
-Y8- 17+14.88	-Y8- 18+33.32	103				103	159	159	183	80					
-Y9- 12+15.00	-Y9- 12+97.27	13				13	7	7	8			5		5	
	<b>SUBTOTAL</b>	<b>655</b>		<b>915</b>		<b>655</b>	<b>2,303</b>	<b>2,303</b>	<b>2,648</b>	<b>2,107</b>		<b>114</b>	<b>915</b>	<b>1,029</b>	
-Y9- 13+34.03	-Y9- 13+95.00	36				36	16	16	18			18		18	
-Y10- 11+95.00	-Y10- 12+87.42	33				33	4	4	5			28		28	
-Y10- 13+23.61	-Y10- 13+76.19	45				45	4	4	5			40		40	
-RABT1- 10+00.00	-RABT1- 13+26.72	286				286	1,222	1,222	1,405	1,119					
-RABT2- 10+00.00	-RABT2- 13+26.72	21				21	3,152	3,152	3,625	3,604					
-RABT3- 10+00.00	-RABT3- 12+95.30	173				173	1,174	1,174	1,350	1,177					
-RABT4- 10+00.00	-RABT4- 13+26.72	179				179	2,100	2,100	2,415	2,236					
	<b>SUBTOTAL</b>	<b>773</b>				<b>773</b>	<b>7,672</b>	<b>7,672</b>	<b>8,822</b>	<b>8,136</b>		<b>86</b>		<b>86</b>	
<b>TOTAL</b>		<b>6,621</b>		<b>1,925</b>		<b>6,621</b>	<b>84,613</b>	<b>84,613</b>	<b>97,302</b>	<b>91,037</b>		<b>353</b>	<b>1,925</b>	<b>2,278</b>	
ADDITIONAL UNDERCUT				3,825			3,825	3,825	4,399	4,399			3,825	3,825	
SELECT GRANULAR MAT. IN LIEU OF BORROW							-3,500	-3,500	-4,025	-4,025					
WASTE IN LIEU OF BORROW										-353		-353		-353	
<b>PROJECT TOTAL</b>		<b>6,621</b>		<b>5,750</b>		<b>6,621</b>	<b>84,938</b>	<b>84,938</b>	<b>97,675</b>	<b>91,057</b>			<b>5,750</b>	<b>5,750</b>	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										4,553					
<b>GRAND TOTAL</b>		<b>6,621</b>		<b>5,750</b>		<b>6,621</b>	<b>84,938</b>	<b>84,938</b>	<b>97,675</b>	<b>95,609</b>			<b>5,750</b>	<b>5,750</b>	
<b>SAY</b>		<b>7,000</b>		<b>5,750</b>						<b>96,000</b>					

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

EST. DDE = 520 CY  
TOTAL SHALLOW UNDERCUT = 500 CY

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE PLACED IN THE TOP 3' OF EMBANKMENT OR BACKFILL: -L- STA. 21+75.00 TO -L- 24+25.00 (600 CY), CONTINGENCY (500 CY) PER GEOTECH - 1,100 CY TOTAL