

# Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5809

COUNTY: Yadkin

DATE: 2/24/2024

COMPILED BY: SGM

SHEET    OF    SHEETS

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+17.66	-L- 16+00.00	259				259	881		881	1,013	754					
-RPC- 10+25.00	-RPC- 12+51.20	285				285	111		111	128			157			157
-RPD- 10+63.84	-RPD- 12+50.00	50				50	13		13	15			35			35
	<b>SUBTOTAL #1</b>	594				594	1,005		1,005	1,156	754		192			192
-L- 16+00.00	-L- 21+50.00	278				278	953		953	1,096	818					
-RPA- 11+07.66	-RPA- 14+70.00	924				924	646		646	743			181			181
-RPB- 10+58.00	-RPB- 13+16.13	265				265	18		18	21			244			244
-Y- 10+83.48	-Y- 13+30.00	69				69	77		77	89	20					
	<b>SUBTOTAL #2</b>	1,536				1,536	1,694		1,694	1,949	838		425			425
-L- 21+50.00	-L- 34+00.00	1,164				1,164	935		935	1,075			89			89
-Y2- 10+70.00	-Y2- 13+95.05	183				183	207		207	238	55					
-Y3- 10+90.00	-Y3- 14+15.00	623				623	143		143	164			459			459
	<b>SUBTOTAL #3</b>	1,970				1,970	1,285		1,285	1,477	55		548			548
-L- 34+00.00	-L- 46+00.00	1,334				1,334	615		615	707			627			627
-Y4- 10+50.00	-Y4- 15+13.49	572				572	451		451	519			53			53
-Y5- 10+65.00	-Y5- 15+00.00	600				600	440		440	506			94			94
	<b>SUBTOTAL #4</b>	2,506				2,506	1,506		1,506	1,732			774			774
	<b>TOTAL</b>	6,606				6,606	5,490		5,490	6,314	1,647		1,939			1,939
MATERIAL FOR SHOULDER CONSTRUCTION									680	782	782					
LOSS DUE TO CLEARING & GRUBBING		-350				-350					350					
ADDITIONAL UNDERCUT																
ROCK WASTE TO REPLACE BORROW																
ADJUST FOR ROCK WASTE																
WASTE IN LIEU OF BORROW											-1,939		-1,939			-1,939
	<b>PROJECT TOTAL</b>	6,256				6,256	5,490		6,170	7,096	840					
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											42					
	<b>GRAND TOTAL</b>					6,256	5,490		6,170	7,096	882					
	<b>SAY</b>					6,500					1,000					

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

EST. DDE = 100 CUBIC YARDS

SHALLOW UNDERCUT = 300 CUBIC YARDS

SELECT GRANULAR MATERIAL = 750 CUBIC YARDS

PER GEOTECH RECOMMENDATION, ESTIMATED 750 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.