

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-6146 COUNTY: Gaston DATE: 8/6/2025 COMPILED BY: SGM SHEET 1 OF 1 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- 11+00.00	-L- 30+67.17	17,419				17,419	8,109		8,109	9,325			8,094		8,094
-Y- 9+97.00	-Y- 14+29.80	180				180	159		159	183	3				
-Y-15+21.47	-Y- 18+98.76	331				331	45		45	52			279		279
-Y2- 10+56.76	-Y2- 11+55.00	10				10	86		86	99	89				
-GRWY- 10+02.75	-GRWY- 13+15.00	531				531	19		19	22			509		509
	SUBTOTAL 1	18,471				18,471	8,418		8,418	9,681	92		8,882		8,882
-L- 35+18.83	-L- 54+00.00	5,495				5,495	13,391		13,391	15,400	9,905				
-Y1- 10+00.00	-Y1- 15+13.49	1,445				1,445	1,499		1,499	1,724	279				
-Y1- 16+36.19	-Y1- 21+00.00	896				896	30		30	35			861		861
	SUBTOTAL 2	7,836				7,836	14,920		14,920	17,159	10,184		861		861
-L- 54+00.00	-L- 78+40.00	7,403				7,403	7,952		7,952	9,145	1,742				
	SUBTOTAL 3	7,403				7,403	7,952		7,952	9,145	1,742				
TOTAL		33,710				33,710	31,290		31,290	35,985	12,018		9,743		9,743
MATERIAL FOR SHOULDER CONSTRUCTION							75		75	86	86				
LOSS DUE TO CLEARING & GRUBBING		-500				-500					500				
ADDITIONAL UNDERCUT				1,800										1,800	1,800
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW											-9,743		-9,743		-9,743
PROJECT TOTAL		33,210		1,800		33,210	31,365		31,365	36,071	2,861			1,800	1,800
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											143				
GRAND TOTAL		33,210		1,800		33,210	31,365		31,365	36,071	3,004			1,800	1,800
SAY		33,300		1,800							3,100				

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 = 200 CUBIC YARDS
EST. SELECT GRANULAR MATERIAL = 1,800 CUBIC YARDS
EST. SHALLOW UNDERCUT = 1,500 CUBIC YARDS

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	33,210	EMB + %:	36,071
UNDERCUT EXC:	1,800	TOTAL WASTE:	1,800
BORROW EXC:	2,861		
TOTAL:	37,871	TOTAL:	37,871