

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5845

COUNTY: Cleveland

DATE: 12/1/2023

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- 12+50.00	-L- 21+41.00	4,142	25			4,117	5,314	25	5,289	6,107	1,965				
GRADE POINT UNDERCUT				75			75		75	86	86			75	75
-DR- 10+12.00	-DR- 12+30.00	3				3	1,830		1,830	2,105	2,102				
BRIDGE															
-L- 23+71.00	-L- 32+00.00	7,044				7,044	4,447		4,447	5,114			1,930		1,930
	* SEE NOTE														
	SUBTOTAL	11,189	25	75		11,164	11,666	25	11,641	13,412	4,153		1,930	75	2,005
	TOTAL	11,189	25	75		11,164	11,666	25	11,641	13,412	4,153		1,930	75	2,005
MATERIAL FOR SHOULDER CONSTRUCTION							730		730	840	840				
LOSS DUE TO CLEARING & GRUBBING		-200				-200					200				
ADDITIONAL UNDERCUT (CONTINGENCY UNDERCUT)				400			400		400	460	460			400	400
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW											-1,930		-1,930		-1,930
	PROJECT TOTAL	10,989	25	475		10,964	12,796	25	12,771	14,712	3,723			475	475
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											186				
	GRAND TOTAL	10,989	25	475		10,964	12,796	25	12,771	14,712	3,906			475	475
	SAY	11,300		475							3,950				
* UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3 FT OF EMBANKMENT OR BACKFILL = 110 CUBIC YARDS (-L- STA 26+75 TO 28+75,RT)															

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 = 3,490 CUBIC YARDS

EST. SHALLOW UNDERCUT = 100 CUBIC YARDS

SELECT GRANULAR MATERIAL = 475 CUBIC YARDS

Custom Shrinkage Factor