

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: HE-0011

COUNTY: Chatham

DATE: 8/23/2023

COMPILED BY: BAW

SHEET __ OF __ SHEETS

STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE				
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +20%	ROCK	SUITABLE	UNSUIT.	TOTAL
-L- 11+00.00	-L- 32+10.08	1,146				1,146	702		702	842			304		304
-Y1- 10+46.78	-Y1- 38+40.79	36,503		9,400		36,503	20,099		20,099	24,119			12,384	9,400	21,784
	SUBTOTAL	37,649		9,400		37,649	20,801		20,801	24,961			12,688	9,400	22,088
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	TOTAL	37,649		9,400		37,649	20,801		20,801	24,961			12,688	9,400	22,088
	MATERIAL FOR SHOULDER CONSTRUCTION														
	LOSS DUE TO CLEARING & GRUBBING	-4,700				-4,700							-4,700		-4,700
	ADDITIONAL UNDERCUT			1,300			1,300		1,300	1,560	1,560			1,300	1,300
	ROCK WASTE TO REPLACE BORROW														
	ADJUST FOR ROCK WASTE														
	WASTE IN LIEU OF BORROW										-1,560		-1,560		-1,560
	PROJECT TOTAL	32,949		10,700		32,949	22,101		22,101	26,521			6,428	10,700	17,128
	EST. 5% TO REPLACE TOP SOIL ON BORROW PIT														
	GRAND TOTAL	32,949		10,700		32,949	22,101		22,101	26,521			6,428	10,700	17,128
	SAY	33,000													

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 = 780 CUBIC YARDS
 SHOULDER BORROW = 3,270 CUBIC YARDS
 SHALLOW UNDERCUT = 950 CUBIC YARDS
 ESTIMATED 400 CUBIC YARDS OF SHALLOW UNDERCUT TO BE USED IN THE DISCRETION OF THE ENGINEER.
 CLASS IV SUBGRADE STABILIZATION = 2,480 TONS
 ESTIMATED 750 TONS OF CLASS IV SUBGRADE STABILIZATION TO BE USED IN THE DISCRETION OF THE ENGINEER.