

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: Y-4807B

COUNTY: Guilford

DATE: 3/6/2024

COMPILED BY: STV

SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE					
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL		
Phase 1																	
Summary No. 1																	
-Y1- 10+33.64 (Left)	-Y1- 14+37.49 (Left)	281			59	222	21		21	25				197	59	256	
-Y2- 10+23.03	-Y2- 11+46.82	79				79	30		30	36				43		43	
TOTAL SUMMARY NO. 1		360			59	301	51		51	61				240	59	299	
Phase 2																	
Summary No. 2																	
-L- 16+66.17 (Left)	-L- 21+51.24 (Left)	121				121	35		35	42				79		79	
-Y1- 10+33.64 (Right)	-Y1- 14+37.49 (Right)	16			16		334		334	401	401				16	16	
TOTAL SUMMARY NO. 2		137			16	121	369		369	443	401			79	16	95	
Phase 3																	
Summary No. 3																	
-L- 16+66.17 (Right)	-L- 20+48.40 (Right)	11				11	198		198	238	227						
-Y1- 14+93.83 (Left)	-Y1- 16+42.29 (Left)						1,354		1,354	1,625	1,625						
-Y1- 16+53.47 (Right)	-Y1- 17+36.73 (Right)	40				40	123		123	148	108						
TOTAL SUMMARY NO. 3		51				51	1,675		1,675	2,011	1,960						
Phase 4																	
Summary No. 4																	
-Y1- 17+36.73	-Y1- 20+10.00	581				581	43		43	52				529		529	
TOTAL SUMMARY NO. 4		581				581	43		43	52				529		529	
Phase 5																	
Summary No. 5																	
-L- 20+48.40 (Right)	-L- 21+51.24 (Right)	10				10	29		29	35	25						
TOTAL SUMMARY NO. 5		10				10	29		29	35	25						
TOTAL		1,139			75	1,064	2,167		2,167	2,602	2,386			848	75	923	
LOSS DUE TO CLEARING & GRUBBING		-175				-175					175						
WASTE IN LIEU OF BORROW											-848			-848		-848	
PROJECT TOTAL		964			75	889	2,167		2,167	2,602	1,713				75	75	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											86						
GRAND TOTAL		964			75	889	2,167		2,167	2,602	1,799				75	75	
SAY		1,000									1,900						

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

- 900 SY EST. GEOTEXTILE FOR SUBGRADE STABILIZATION
- 100 CY EST. CONTINGENCY UNDERCUT EXCAVATION
- 100 CY EST. CONTINGENCY SELECT GRANULAR MATERIAL
- 100 SY EST. GEOTEXTILE FOR SOIL STABILIZATION
- 150 CY EST. SHALLOW UNDERCUT
- 150 CY EST. SHALLOW UNDERCUT BY STATIONS -Y1- 10+33.00 THRU 12+75.00
- 300 CY TOTAL SHALLOW UNDERCUT
- 600 TON CLASS IV SUBGRADE STABILIZATION

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3 FT. OF EMBANKMENT OR BACKFILL, -Y1- 10+33.00 TO 12+75.00 (75 CY.) PER GEOTECH.