

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: C5621 COUNTY: Mecklenburg DATE: 3/14/2023 COMPILED BY: SMC SHEET OF SHEETS

STATION	STATION	EXCAVATION				EMBANKMENT				WASTE				
		TOTAL ENCLASS.	ROCK	UNSETT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBAK. +15%	BORROW	ROCK	SUITABLE	UNSETT.	TOTAL
PHASE I														
-L- 11+30.00	-L- 20+65.00	858			858	1,379								
-VIA-LT 10+23.86	-VIA-LT 17+82.26	287			287	8,698								
-VIA-RT 10+50.00	-VIA-RT 11+90.00	82			82	1,976								
-Y1B-10+74.58	-Y1B-16+20.00	1,069			1,069	9,296								
SUBTOTAL		2,303			2,303	19,339								
-VIA-10+18.00	-V3A-15+38.83	97			97	41							50	50
-Y3B-10+24.63	-Y3B-11+62.00	45			45	40							1	
-Y6-10+10.59	-Y6-11+90.00	568			568	31							532	532
-DRIVE1-10+25.00	-DRIVE1-11+52.87	133			133	66							67	67
-RA1-10+00.00	-RA1-11+78.70	42			42	11,680							19,677	
SUBTOTAL		882			882	11,738							639	639
PHASE II														
-VIA-RT 11+50.00	-VIA-RT 17+82.26	257			257	1,304								
-Y1B-RT 10+74.58	-Y1B-RT 16+20.00	1,075			1,075	9,218								
-Y2-10+91.85	-Y2-10+53.79	9,023			9,023	832							8,966	8,966
-Y4-10+80.00	-Y4-11+77.03	68			68	1,043							1,130	
SUBTOTAL		11,423			11,423	12,396							9,966	9,966
-Y6-11+75.00	-Y6-13+28.00	120			120	117							15	
-Y7-LT 10+89.45	-Y7-LT 11+50.00	1			1	8							9	
-Y7-RT 10+89.45	-Y7-RT 12+00.00	31			31	348							309	
-RA1-12+48.15	-RA1-13+53.95	858			858	858							867	
-RA2-10+00.00	-RA2-13+78.70	2,287			2,287	536							636	1,671
SUBTOTAL		2,481			2,481	1,887							1,671	1,671
PHASE III														
-Y7-LT 12+00.00	-Y7-LT 12+30.00	16			16	9							6	6
-DRIVE1-10+75.00	-DRIVE1-11+52.87	-133			-133	-66							-67	
SUBTOTAL		58			58	269							233	233
SUBTOTAL		-59			-59	211							6	6
PHASE IV														
SUBTOTAL		16,903			16,903	45,057							13,302	11,282
MATERIAL FOR SHOULDER CONSTRUCTION														
LOSS DUE TO CLEARING & GRUBBING														
ADDITIONAL UNDERCUT														
ROCK WASTE TO REPLACE BORROW														
ADJUST FOR ROCK WASTE														
WASTE IN LIEU OF BORROW														
PHASE I TOTAL		17,433			17,433	45,057							-11,282	-11,282
EST. % TO REPLACE TOP SOIL ON BORROW PIT														
GRAND TOTAL					17,433	45,057							1,741	
SAV					17,500								36,600	

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.