

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5757 COUNTY: Davidson DATE: 8/22/2023 COMPILED BY: DWG SHEET 1 OF 1 SHEETS

LINE	STATION	STATION	EXCAVATION				EMBANKMENT				BORROW	WASTE					
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH		EMBANK. +20%	ROCK	SUITABLE	UNSUIT.	TOTAL	
PHASE I																	
SUMMARY NO. 1 (RT)																	
-L-	11+00.00	27+00.00	2,130		244	360	1,770	397		397	476			1,294	604	1,898	
-Y-	10+36.75	10+80.00	31				31	5		5	6			25		25	
-Y3-	10+36.75	10+75.00	19				19	4		4	5			14		14	
-Y5-	10+36.75	11+45.00	325				325							325		325	
-Y6-	10+36.87	12+00.00	377				377	23		23	28			349		349	
TOTAL SUMMARY NO. 1			2,882		244	360	2,522	429		429	515			2,007	604	2,611	
SUMMARY NO. 2 (RT.)																	
-L-	27+00.00	51+00.00	257		2,362	17	240	7,283		7,283	8,740	8,500			2,379	2,379	
-Y9-	10+36.75	12+00.00	38				38	152		152	182	144					
-Y12-	10+36.75	11+75.00	23				23	46		46	55	32					
-Y15-	10+36.98	11+45.00	27				27	123		123	148	121					
TOTAL SUMMARY NO. 2			345		2,362	17	328	7,604		7,604	9,125	8,797			2,379	2,379	
PHASE II																	
SUMMARY NO. 3 (LT.)																	
-L-	11+00.00	27+00.00	346			10	336	538		538	646	310			10	10	
-Y2-	11+63.00	12+27.28	9				9	10		10	12	3					
-Y4-	10+60.00	11+37.48	25				25	23		23	28	3					
-Y7-	10+50.00	11+37.65	15				15	28		28	34	19					
TOTAL SUMMARY NO. 3			395			10	385	599		599	720	335			10	10	
SUMMARY NO. 4 (LT.)																	
-L-	27+00.00	51+00.00	264		594	153	111	1,422		1,422	1,706	1,595			747	747	
-Y8-	10+50.00	11+30.93	20				20	1		1	1			19		19	
-Y10-	11+00.00	11+72.95	19				19	18		18	22	3					
-Y11-	11+50.00	12+76.21	211				211	17		17	20			191		191	
-Y13-	11+00.00	11+51.90	51				51							51		51	
-Y14-	10+90.00	11+89.65	13				13	59		59	71	58					
TOTAL SUMMARY NO. 4			578		594	153	425	1,517		1,517	1,820	1,656			261	747	1,008
SUMMARY TOTALS			4,200		3,200	540	3,660	10,149		10,149	12,180	10,788			2,268	3,740	6,008
WASTE IN LIEU OF BORROW												-2,268		-2,268		-2,268	
UNDERCUT CONTINGENCY					1,000			1,000		1,000	1,200	1,200			1,000	1,000	
GRADEPOINT UNDERCUT					800			800		800	960	960			800	800	
LOSS DUE TO CLEARING & GRUBBING			-700				-700					700					
PROJECT TOTALS			3,500		5,000	540	2,960	11,949		11,949	14,340	11,380			5,540	5,540	
EST. 5% TO REPL. TOPSOIL ON BORROW PIT												569					
GRAND TOTALS			3,500		5,000	540	2,960	11,949		11,949	14,340	11,949			5,540	5,540	
SAY			3,800									12,300					

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY TRANSYSTEMS. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY FALCON ENGINEERING.

DDE = 640 CY

SELECT GRANULAR MATERIAL = 4,200 CY

CLASS IV SUBGRADE STABILIZATION = 800 TONS

GEOTEXTILE FOR SOIL STABILIZATION = 5,400 SY

SHALLOW UNDERCUT = 350 CY

