

Earthwork Balance Sheet

Final Plans

PROJECT: U-5797

COUNTY: Robeson

Volumes in Cubic Yards
DATE: 03.03.2025

COMPILED BY: WDM

SHEET_1 OF 2 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +25%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- Sta. 53+00.00	67+92.00 RT	423				423	2,802		2,802	3,503	3,080				
'-Y3- Sta. 14+21.97	25+23.64 LT	174				174	712		712	890	716				
	SUBTOTAL 1	597				597	3,514		3,514	4,393	3,796				
-L- Sta. 48+86.00	53+00.00 RT	191				191	142		142	178			14		14
-Y3- Sta. 14+21.97	25+23.64 RT	431				431	83		83	104			327		327
	SUBTOTAL 2	622				622	225		225	281			340		340
-L- Sta. 52+65.00	69+50.00 LT	1,228				1,228	1,977		1,977	2,471	1,243				
-L- Sta. 69+50.00	86+23.34 LT	1,384				1,384	627		627	784			600		600
-Y3- Sta. 12+50.00	13+42.46 LT	59				59	31		31	39			20		20
	SUBTOTAL 3	2,671				2,671	2,635		2,635	3,293	1,243		620		620
-L- Sta. 69+00.00	86+23.34 RT	257				257	417		417	521	264				
-Y4- 10+47.76	16+07.49 LT	355				355	158		158	198			158		158
-Y5- 10+47.45	11+00.00	58				58	68		68	85	27				
	SUBTOTAL 4	670				670	643		643	804	291		158		158
-L- Sta. 67+92.00	69+00.00 RT	12				12							12		12
-Y4- Sta. 10+47.76	12+50.00 RT	190				190	24		24	30			160		160
	SUBTOTAL 5	202				202	24		24	30			172		172
-Y4- Sta. 12+50.00	17+06.00 RT	16				16	768		768	960	944				
	SUBTOTAL 6	16				16	768		768	960	944				
-Y2- Sta. 16+07.21	22+37.26 LT (TEMP)	293				293	1,022		1,022	1,278	985				
	SUBTOTAL 7	293				293	1,022		1,022	1,278	985				
-L- Sta. 38+56.00	44+60.00 LT (TEMP)	118				118	237		237	296	178				
-Y2- Sta. 18+03.71	25+96.31 RT	249				249	1,070		1,070	1,338	1,089				
	SUBTOTAL 8	367				367	1,307		1,307	1,634	1,267				
-L- Sta. 44+60.00	52+65.00 LT	54				54	182		182	228	174				
-Y2- Sta. 15+60.00	25+96.31 LT	139				139	1,797		1,797	2,246	2,107				
	SUBTOTAL 9	193				193	1,979		1,979	2,474	2,281				
-L- Sta. 45+00.00	48+86.00 RT						99		99	124	124				
-Y2- Sta. 26+55.16	37+15.00 LT	727				727	211		211	264			463		463
-Y3- Sta. 12+50.00	13+42.46 RT	73				73	33		33	41			32		32
	SUBTOTAL 10	800				800	343		343	429	124		495		495
-L- Sta. 38+51.00	45+00.00 RT	104				104	79		79	99			5		5
-Y2- Sta. 26+55.16	37+15.00 RT	345				345	197		197	246			99		99
	SUBTOTAL 11	449				449	276		276	345			104		104

-L- Sta. 40+21.00	44+60.00 LT	49				49	327		327	409	360				
-Y2- Sta. 15+60.00	25+96.31 RT	46				46	2,326		2,326	2,908	2,862				
	SUBTOTAL 12	95				95	2,653		2,653	3,316	3,221				
-L- Sta. 20+38.00	38+51.00 RT	341				341	438		438	548	207				
-Y1- 10+00.00	13+77.68	132				132	134		134	168	36				
-RAB- Sta. 0+00.00	3+14.15	142				142	1,624		1,624	2,030	1,888				
	SUBTOTAL 13	615				615	2,196		2,196	2,745	2,130				
-L- Sta. 18+35.00	40+21.00 LT	768				768	271		271	339			429		429
-Y- 11+70.00	14+14.95	66				66	28		28	35			31		31
-YA- Sta. 10+44.00	10+99.78	19				19	12		12	15			4		4
	SUBTOTAL 14	853				853	311		311	388			464		464
TOTAL		8,443				8,443	17,896		17,896	22,369	16,281		2,353		2,353
LOSS DUE TO CLEARING & GRUBBING		-50				-50					50				
WASTE IN LIEU OF BORROW											-2,353		-2,353		-2,353
PROJECT TOTAL		8,393				8,393	17,896		17,896	22,369	13,979				
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											699				
GRAND TOTAL		8,393				8,393	17,896		17,896	22,369	14,677				
SAY		8,400									14,680				

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

EST. DDE = 210 CUBIC YARDS
EST. SHALLOW UNDERCUT = 3000 CUBIC YARDS
EST. UNDERCUT EXCAVATION = 850 CUBIC YARDS
EST. SELECT GRANULAR MATERIAL = 800 CUBIC YARDS