Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5824 COUNTY: Forsyth DATE: 9/5/2023 COMPILED BY: Josh Jernigan

CHAIN	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)15%		ROCK	SUITABLE	UNSUIT.	TOTAL
SUMMARY 1																
-L- LT	10+52.50	30+00.00	1,786				1,786	5,029		5,029	5,783	3,997				
-L- LT	30+00.00	50+50.00	2,709				2,709	9,935		9,935	11,425	8,716				
-L- LT	71+50.00	98+50.00	1,830				1,830	2,762		2,762	3,176	1,346				
-L- LT	100+00.00	106+50.00	551				551	89		89	102			449		449
-L- RT	10+52.50	15+50.00	231				231	640		640	736	505				
-L- RT	44+50.00	70+00.00	3,441				3,441	3,266		3,266	3,756	315				
-L- RT	70+00.00	98+50.00	967				967	5,394		5,394	6,203	5,236				
-L- RT	100+00.00	106+50.00	44				44	677		677	779	735				
-Y1-	10+75.00	12+00.00	46				46	57		57	66	20				
-Y3-	10+25.00	12+13.74	130				130	230		230	265	135				
-Y4-	10+00.00	11+34.42	82				82	46		46	53			29		29
-Y6-	10+51.94	12+00.00	181				181	27		27	31			150		150
-Y7A-	10+51.50	11+50.00	23				23	52		52	60	37				
-Y8A-	10+46.96	12+90.79	324				324	87		87	100			224		224
SUBTOTAL			12,345				12,345	28,291		28,291	32,535	21,041		852		852
SUMMARY 2																
-L- LT	50+50.00	71+50.00	158				158	1,154		1,154	1,327	1,169				
-L- RT	15+50.00	44+50.00	544				544	4,882		4,882	5,614	5,070				
-Y2-	10+33.92	11+75.00	90				90	160		160	184	94				
-Y3-	13+06.66	15+25.00	252				252	120		120	138			114		114
-Y4-	12+15.01	14+00.00	63				63	35		35	40			23		23
-Y5-	10+39.69	11+50.00	12				12	51		51	59	47				
-Y7B-	12+00.00	13+03.45	20				20	41		41	47	27				
-Y8B-	11+25.00	12+42.99	94				94	22		22	25			69		69
-Y9-	10+75.00	11+25.00	50				50	1		1	1			49		49
-Y9-	12+44.85	14+85.00	138				138	44		44	51			87		87
-Y10-	10+25.00	11+61.58	132				132	23		23	26			106		106
-Y11A-	10+45.47	12+25.00	233				233	67		67	77			156		156
-Y11B-	10+00.00	11+32.17	13				13	136		136	156	143				
SUBTOTAL			1,799				1,799	6,736		6,736	7,746	6,551		603		603
SHEET TOTALS			14,144				14,144	35,027		35,027	40,281	27,592		1,455		1,455

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.

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CHAIN	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)15%		ROCK	SUITABLE	UNSUIT.	TOTAL
SUMMARY 3																
-L- MED	17+00.00	22+00.00	55				55	94		94	108	53				
-L- MED	28+00.00	40+50.00	149				149	1,428		1,428	1,642	1,493				
-L- MED	43+00.00	54+00.00	157				157	528		528	607	450				
-L- MED	57+00.00	63+00.00						260		260	299	299				
-L- MED	66+00.00	75+50.00	63				63	304		304	350	287				
-L- MED	77+50.00	88+00.00	62				62	376		376	432	370				
-L- MED	90+50.00	93+50.00	44				44	60		60	69	25				
-L- (TEMP. PVMT	22+50.00	26+36.00	42				42							42		42
-L- (TEMP. PVMT	56+00.00	63+00.00	210				210							210		210
-L- (TEMP. PVMT	66+18.00	68+27.00	21				21							21		21
-TEMP1-	17+10.00	21+85.00	86				86							86		86
-TEMP2-	20+35.00	24+72.00	136				136							136		136
SUBTOTAL			1,025				1,025	3,050		3,050	3,508	2,978		495		495
SHEET TOTALS			1,025				1,025	3,050		3,050	3,508	2,978		495		495

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CUMULATIVE TOTALS	EXCAVATION					EMBANKMENT				BORROW	WASTE			
	TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. (+)15%		ROCK	SUITABLE	UNSUIT.	TOTAL
SHEET 1 SUMMARY	14,144				14,144	35,027		35,027	40,281	27,592		1,455		1,455
SHEET 2 SUMMARY	1,025				1,025	3,050		3,050	3,508	2,978		495		495
SHEET TOTALS	15,169				15,169	38,077		38,077	43,789	30,569		1,950		1,950
LOSS DUE TO CLEARING AND GRUBBING	-6,000				-6,000					6,000				
EARTH WASTE IN LIEU OF BORROW										-1,950		-1,950		-1,950
PROJECT TOTAL	9,169				9,169	38,077		38,077	43,789	34,620				
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT										1,731				
GRAND TOTAL	9,169									36,351				
SAY	9,170									36,360				
ESTIMATED UNDERCUT	2,800													

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