Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5907 COUNTY: Mecklenburg DATE: 11/3/2023 COMPILED BY: KIMLEY-HORN

LINE	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	BORROW FOR ASBESTOS	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT IN ASBESTOS AREAS	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%			ROCK	SUITABLE	UNSUIT.	TOTAL
SECTION 1 (PHASE 2)																	
-L1- (LT)	27+62.00	32+70.04	395		2198		395	2039		2039	2345	1950	2198			2198	2198
-L1- (RT)	28+88.54	32+73.00	431		2198		431	2012		2012	2314	1883	2198			2198	2198
-L2- (LT)	10+11.50	10+96.84	7				7	17		17	20	13					
-DRW4-	10+13.00	10+50.33	14				14	0		0	0				14		14
		SUBTOTAL	847	0	4396	0	847	4068	0	4068	4678	3845	4396	0	14	4396	4410
SECTION 2 (PHASE 2)																	
-L1- (LT)	10+00.00	11+78.00	29				29	1		1	1				28		28
-L1- (LT)	14+45.19	16+66.10	24				24	2		2	2				22		22
-L1- (LT)	16+89.11	17+30.00	3				3	0		0	0				3		3
-L1- (LT)	18+29.29	19+29.00	12				12	0		0	0				12		12
-L1- (LT)	19+67.46	20+60.76	6				6	0		0	0				6		6
-L1- (LT)	21+34.43	23+39.63	64				64	0		0	0				64		64
-L1- (LT)	23+63.54	24+27.90	5				5	0		0	0				5		5
-L1- (LT)	24+68.93	27+62.00	18				18	4		4	5				13		13
-L1- (RT)	27+16.96	28+88.54	66				66	3		3	3				63		63
		SUBTOTAL	227	0	0	0	227	10	0	10	12	0	0	0	216	0	216
SECTION 3 (PHASE 2)																	
-L2- (RT)	10+11.50	10+96.84	6				6	19		19	22	16					
-L1- (LT)	32+70.04	33+33.19	22				22	6		6	7				15		15
-L1- (RT)	32+73.00	33+33.19	34				34	0		0	0				34		34
-L1- (LT)	33+33.19	38+09.04	70				70	6		6	6				64		64
-MUT3-	14+75.85	16+53.95	9				9	40		40	46	37					
		SUBTOTAL	141	0	0	0	141	71	0	71	81	53	0	0	113	0	113
SECTION 4 (PHASE 3A)																	
-Y3- (RT)	12+09.42	15+50.71	50				50	471		471	542	492					
-CURB 1B-	10+00.00	12+28.10	108				108	98		98	113	5					
-L1- (LT)	41+80.80	42+40.80	17				17	4		4	5				12		12
-L1- (RT)	41+80.80	42+50.00	10				10	8		8	9				1		1
-CURB 1C-	10+50.00	11+72.35	94				94	44		44	51				43		43
-RDBT-	10+00.00	11+17.99	11				11	352		352	405	394					
		SUBTOTAL	290	0	0	0	290	977	0	977	1124	890	0	0	57	0	57
		SHEET TOTAL	1505	0	4396	0	1505	5126	0	5126	5894	4788	4396	0	399	4396	4795

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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LINE	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	BORROW FOR ASBESTOS	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT IN ASBESTOS AREAS	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%			ROCK	SUITABLE	UNSUIT.	TOTAL
SECTION 5 (PHASE 3B)																	
-Y3- (LT)	13+50.11	15+49.53	11				11	45		45	52	41					
-CURB 1A-	10+00.00	11+00.00	7				7	122		122	140	133					
-L3- (RT)	11+50.00	13+31.38	32				32	136		136	156	124					
-CURB 1D-	10+00.00	12+19.42	146				146	34		34	39				107		107
-Y3- (LT)	18+49.15	21+60.00	106				106	53		53	61				45		45
-RDBT-	11+17.99	12+63.86	65				65	331		331	381	316					
		SUBTOTAL	367	0	0	0	367	721	0	721	829	614	0	0	152	0	152
SECTION 6 (PHASE 3C)																	
-L3- (LT)	11+50.00	13+31.38	20				20	63		63	72	52					
-Y3- (RT)	18+48.88	21+60.00	39				39	64		64	74	35					
-CURB 1A-	11+00.00	12+15.36	52				52	59		59	68	16					
-CURB 1C-	10+00.00	10+50.00	43				43	2		2	2				41		41
		SUBTOTAL	154	0	0	0	154	188	0	188	216	103	0	0	41	0	41
											0						
		SHEET TOTAL	521	0	0	0	521	909	0	909	1045	717	0	0	193	0	193

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.

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-5873 COUNTY: Mecklenburg DATE: 11/3/2023 COMPILED BY: KIMLEY-HORN

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	BORROW FOR ASBESTOS	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT IN ASBESTOS AREAS	T IN ASBEST UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%			ROCK	SUITABLE	UNSUIT.	TOTAL
	TOTAL FROM SHEET 1	1505	0	4396	0	1505	5126	0	5126	5894	4788	4396	0	399	4396	4795
	TOTAL FROM SHEET 2	521	0	0	0	521	909	0	909	1045	717	0	0	193	0	193
TOTAL		2026	0	4396	0	2026	6035	0	6035	6939	5505	4396	0	592	4396	4988
EARTH WASTE TO REPLACE BORROW											-592			-592		-592
PROJECT TOTAL		2026	0	4396	0	2026	6035	0	6035	6939	4913	4396	0	0	4396	4396
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											246					
GRAND TOTAL		2026	0	4396	0	2026	6035	0	6035	6939	5159	4396	0	0	4396	4396
SAY		2100		4400							5200	4400				

ESTIMATED DDE	10	CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED SHALLOW UNDERCUT	125	CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED SELECT GRANULAR MATERIAL	200	CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED UNDERCUT EXCAVATION	225	CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED CLASS IV SUBGRADE STABILIZATION	275	CY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)

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