

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-4713A

COUNTY: Mecklenburg

DATE: 8/5/2024

COMPILED BY: KIMLEY-HORN

SHEET 1 OF 1 SHEETS

LINE	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 (PHASE 1)																	
-L-	22+50.00	61+00.00	33706		1350	6700	27006	19478		19478	22400	0	0	4606	8050	12656	
-Y2-	10+16.50	12+20.06	275			275	34	34	39	0	0	0	0	236	0	236	
-Y3-	10+16.50	11+04.00	265			265	2	2	2	0	0	0	0	263	0	263	
-Y4-	10+16.50	11+75.00	73			73	310	310	357	284	0	0	0	0	0	0	
		SUBTOTAL	34319	0	1350	6700	27619	19824	0	19824	22798	284	0	5105	8050	13155	
SUMMARY 2 (PHASE 2)																	
-L-	21+50.00	22+50.00	184				184	0	0	0	0	0	0	184	0	184	
-Y1- (LT)	18+50.89	22+50.00	96				96	127	127	146	50	0	0	0	0	0	
-L- (LT)	13+56.15	20+50.00	760				760	4	4	5	0	0	0	755	0	755	
-CURB C-	10+00.00	11+40.00	233				233	0	0	0	0	0	0	233	0	233	
-CURB D-	10+00.00	11+00.00	68				68	27	27	31	0	0	0	37	0	37	
		SUBTOTAL	1341	0	0	0	1341	158	0	158	182	50	0	1209	0	1209	
SUMMARY 3 (PHASE 3)																	
-L- (RT)	13+56.15	21+50.00	2392				2392	93	93	107	0	0	0	2285	0	2285	
-Y1- (RT)	21+00.00	22+50.00	242				242	0	0	0	0	0	0	242	0	242	
-CURB B-	10+00.00	10+50.00	136				136	0	0	0	0	0	0	136	0	136	
		SUBTOTAL	2770	0	0	0	2770	93	0	93	107	0	0	2663	0	2663	
SUMMARY 4 (PHASE 4)																	
-L- (LT)	17+00.00	22+50.00	3563				3563	0	0	0	0	0	0	3563	0	3563	
-Y1- (RT)	18+50.89	21+00.00	50				50	2	2	2	0	0	0	48	0	48	
		SUBTOTAL	3613	0	0	0	3613	2	0	2	2	0	0	3611	0	3611	
TOTAL			42043	0	1350	6700	35343	20077	0	20077	23089	334	0	12588	8050	20638	
ADDITIONAL UNDERCUT					2250			2250		2250	2588	2588	0	0	2250	2250	
LOSS DUE TO CLEARING AND GRUBBING			-3800				-3800							-3800		-3800	
WASTE IN LIEU OF BORROW											-2921	0	-2921	0	-2921		
PROJECT TOTAL			38243	0	3600	6700	31543	22327	0	22327	25676	0	0	5867	10300	16167	
GRAND TOTAL			38243				31543	22327			25676			5867		16167	
SAY			39000														
* UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL (1,200CY):																	
-L- 29+00.00 TO -L- 30+50.00 (800 CY)																	
-L- 41+50.00 TO -L- 42+00.00 (400 CY)																	
ESTIMATED SELECT GRANULAR MATERIAL			3350	CY													
ESTIMATED SHALLOW UNDERCUT EXCAVATION			1250	CY													

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.

ESTIMATED GEOTEXTILE FOR SOIL STABILIZATION	3350 SY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED GEOTEXTILE FOR SOIL STABILIZATION	1400 SY	(TOTAL FROM EROSION CONTROL PLANS)
ESTIMATED GEOTEXTILE FOR SUBGRADE STABILIZATION	21000 SY	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED STABILIZER AGGREGATE	250 TONS	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)
ESTIMATED CLASS IV SUBGRADE STABILIZATION	2500 TONS	(CONTINGENCY, AS DIRECTED BY THE ENGINEER)