

CA-EW-1

Earthwork Quantity Calculations

Project No.           PID 76256           Co-Rt-Sec           HAM-75-14.61           Date           1-15-2021          

Station	CUTS				FILLS				SUB. EX.				EMB, APP			
	End Area ft²	Average End Area ft²	Length Between Stations ft	Volume yd³	End Area ft²	Average End Area ft²	Length Between Stations ft	Volume yd³	End Area ft²	Average End Area ft²	Length Between Stations ft	Volume yd³	End Area ft²	Average End Area ft²	Length Between Stations ft	Volume yd³
324+30.61	63				0											
		62	19.39	45		0	19.39	0								
324+50	61				0											
		67	50.00	125		0	50.00	0								
325+00	73				0				131				131			
		68	50.00	126		1	50.00	2		131	50	243	131	131	50	243
325+50	63				2				131				131			
		62	50.00	115		3	50.00	5		131	50	242		131	50	243
326+00	61				3				130				131			
		60	50.00	111		3	50.00	5		130	50	241		131	50	243
326+50	58				2				130				131			
		62	50.00	115		3	50.00	5		130	50	240		131	50	243
327+00	66				3				129				131			
		67	50.00	124		2	50.00	4		129	50	239		131	50	243
327+50	67				1				129				131			
		65	50.00	120		1	50.00	2		129	50	238		131	50	243
328+00	62				1				128				131			
		66	50.00	123		1	50.00	1		129	50	238		132	50	244
328+50	70				0				129				132			
		72	50.00	133		0	50.00	0		130	50	240		133	50	247
329+00	73				0				130				134			
		61	50.00	113		1	50.00	1		132	50	245		136	50	251
329+50	49				1				134				137			
		50	50.00	92		2	50.00	3		137	50	253		139	50	258
330+00	50				2				139				141			
		58	50.00	108		4	50.00	8		134	50	249		138	50	255
330+50	66				6				129				134			
		60	50.00	112		7	50.00	13		128	50	238		134	50	249
331+00	54				7				127				134			
		44	50.00	82		10	50.00	18		124	50	229		134	50	249
331+50	34				12				120				134			
		35	50.00	65		16	50.00	29		121	50	225		134	50	249
332+00	36				19				122				134			
		35	50.00	64		21	50.00	39		125	50	232		134	50	249
332+50	33				23				128				134			
		32	50.00	60		25	50.00	47		128	50	237		134	50	249
333+00	31				27				127				134			
		30	19.29	22		31	19.29	23		126	19	91		134	19	96
333+19.29	28				35				125				134			
		27	30.71	31		37	30.71	43		125	31	142		134	31	153
333+50	25				39				124				134			
		27	50.00	50		35	50.00	64		127	50	236		132	50	245
334+00	28				30				130				134			
		42	50.00	78		25	50.00	46		130	50	241		134	50	249

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334+50	56				19				130				134			
		59	50.00	109		19	50.00	35		132	50	244		135	50	250
335+00	61				18				133				136			
		59	50.00	109		18	50.00	34		131	50	243		137	50	253
335+50	56				18				129				137			
		59	50.00	110		20	50.00	38		127	50	236		138	50	256
336+00	62				22				125				139			
		63	50.00	117		25	50.00	46		124	50	230		140	50	260
336+50	64				27				123				141			
		58	50.00	108		24	50.00	44		121	50	225		147	50	272
337+00	52				20				119				152			
		61	50.00	113		21	50.00	39		118	50	219		148	50	274
337+50	70				22				117				143			
		74	50.00	138		24	50.00	44		115	50	213		144	50	267
338+00	78				25				113				145			
		73	50.00	135		26	50.00	49		105	50	195		146	50	270
338+50	67				27				97				146			
		76	50.00	140		25	50.00	47		98	50	182		147	50	273
339+00	84				23				99				148			
		106	50.00	196		21	50.00	38		98	50	182		149	50	275
339+50	127				18				97				149			
		135	19.29	97		20	19.29	14		96	19	69		150	19	107
339+69.29	142				21				95				150			
		129	30.71	147		24	30.71	27		100	31	114		150	31	171
340+00	115				26				105				150			
		107	50.00	198		25	50.00	47		120	50	223		150	50	278
340+50	98				24				135				150			
		102	50.00	189		26	50.00	48		135	50	250		150	50	278
341+00	106				27				134				150			
		100	50.00	185		28	50.00	52		135	50	250		150	50	278
341+50	93				29				136				150			
		100	50.00	185		28	50.00	51		139	50	257		150	50	278
342+00	106				26				141				150			
		109	50.00	201		31	50.00	57		139	50	257		149	50	275
342+50	111				35				136				147			
		123	50.00	227		33	50.00	61		139	50	257		147	50	273
343+00	134				30				141				147			
		140	50.00	260		27	50.00	50		142	50	263		147	50	273
343+50	146				23				142				147			
		150	50.00	278		15	50.00	28		147	50	273		150	50	278
344+00	154				7				152				153			
		160	50.00	297		6	50.00	12		152	50	282		153	50	284
344+50	166				5				152				153			
		164	50.00	303		7	50.00	13		152	50	281		153	50	284
345+00	161				8				151				153			
		167	50.00	309		12	50.00	22		151	50	280		153	50	284
345+50	172				15				151				153			
		177	50.00	328		17	50.00	32		152	50	282		153	50	284
346+00	182				19				153				153			
		189	50.00	350		19	50.00	36		153	50	283		153	50	284
346+50	195				19				152				153			
		196	50.00	363		21	50.00	39		152	50	281		153	50	284
347+00	197				23				151				153			
		196	47.03	342		25	47.03	43		150	47	262		153	47	267

347+47.03	195				26				149				153			
		196	2.97	22		26	2.97	3		149	3	17		153	3	17
347+50	196				26				149				153			
		192	50.00	355		28	50.00	51		151	50	279		153	50	284
348+00	187				29				152				153			
		187	50.00	346		30	50.00	56		153	50	283		154	50	285
348+50	186				31				153				154			
		187	50.00	347		33	50.00	62		154	50	285		154	50	286
349+00	188				35				154				154			
		199	50.00	369		32	50.00	59		155	50	288		155	50	288
349+50	210				28				156				156			
		214	50.00	397		24	50.00	45		157	50	291		158	50	292
350+00	218				20				158				159			
		241	50.00	446		18	50.00	33		160	50	297		161	50	298
350+50	263				15				162				162			
		274	50.00	508		12	50.00	23		164	50	304		165	50	305
351+00	285				9				166				167			
		302	50.00	559		6	50.00	11								
351+50	318				2											
		315	50.00	583		2	50.00	3								
352+00	311				1											
		267	39.60	391		1	39.60	2								
352+39.60	222				1											
		221	10.40	86		1	10.40	1								
352+50	220				1											
		210	50.00	388		1	50.00	2								
353+00	199				1											
		179	50.00	332		2	50.00	4								
353+50	159				3											
		150	50.00	277		10	50.00	18								
354+00	140				16											
		132	50.00	244		24	50.00	44								
354+50	123				31											
		114	50.00	212		35	50.00	65								
355+00	105				39											
		103	50.00	190		56	50.00	104								
355+50	100				73											
		103	50.00	191		74	50.00	137								
356+00	106				74											
		109	50.00	202		48	50.00	89								
356+50	112				22											
		124	50.00	230		20	50.00	37								
357+00	136				17											
		127	50.00	236		22	50.00	41								
357+50	118				27											
		128	50.00	237		32	50.00	60								
358+00	137				37											
		129	50.00	238		68	50.00	125								
358+50	120				98											
		111	32.52	134		119	32.52	144								
358+82.52	102				140											
BACK																
AHEAD																

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359+00	102				140												
		103	50.00	191		130	50.00	240									
359+50	104				119												
		102	50.00	189		135	50.00	250									
360+00	100				150												
		100	50.00	185		155	50.00	287									
360+50	99				159												
		94	50.00	175		163	50.00	302									
361+00	89				167												
		78	50.00	144		174	50.00	322									
361+50	66				180												
		76	50.00	141		222	50.00	412									
362+00	86				264												
		86	50.00	159		307	50.00	568									
362+50	85				349												
		91	50.00	168		405	50.00	750									
363+00	96				461												
		101	50.00	187		515	50.00	953									
363+50	105				568												
		71	50.00	131		568	50.00	1052									
364+00	36				568												
		38	50.00	71		622	50.00	1152									
364+50	40				676												
		44	50.00	81		718	50.00	1330									
365+00	47				760												
		59	50.00	109		822	50.00	1523									
365+50	70				884												
		72	50.00	133		933	50.00	1727									
366+00	73				981												
		66	42.12	103		901	42.12	1406									
366+42.12	58				821												
		478	30.00	531		1285	30.00	1428									
366+72.12	897				1749												
BACK																	
AHEAD																	
368+09.36	894				1369												
		490	30.00	545		1068	30.00	1187									
368+39.36	86				767												
		64	60.64	143		797	60.64	1791									
369+00	41				827												
		105	50.00	194		870	50.00	1611									
369+50	168				912												
		95	50.00	175		786	50.00	1455									
370+00	21				659												
		12	50.00	22		614	50.00	1137									
370+50	2				568												
		47	50.00	88		522	50.00	967									
371+00	92				476												
		108	50.00	200		422	50.00	781									
371+50	124				367												
		181	50.00	336		336	50.00	622									
372+00	238				304												
		272	50.00	504		243	50.00	450									

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372+50	306				182												
		351	50.00	650		155	50.00	287									
373+00	395				127												
		416	50.00	770		118	50.00	219									
373+50	436				109												
		433	50.00	802		104	50.00	193									
374+00	430				99												
		410	50.00	759		95	50.00	175									
374+50	389				90												
		372	50.00	688		87	50.00	161									
375+00	354				83												
		326	50.00	604		84	50.00	155									
375+50	298				84												
		256	50.00	474		85	50.00	157									
376+00	213				85												
		201	27.58	206		93	27.58	95									
376+27.58	189				100												
		180	22.42	150		105	22.42	87									
376+50	170				109												
		154	50.00	285		120	50.00	222									
377+00	137				130												
		129	50.00	239		142	50.00	263									
377+50	121				153												
		115	50.00	213		153	50.00	284									
378+00	109				153												
		107	50.00	198		156	50.00	288									
378+50	104				158												
		98	50.00	182		164	50.00	304									
379+00	92				170												
		100	50.00	186		176	50.00	326									
379+50	108				182												
		108	50.00	200		190	50.00	352									
380+00	108				198												
		116	19.26	83		197	19.26	141									
380+19.26	124				195												
		124	2.84	14		195	2.84	21									
380+22.10	124				195												
		125	27.90	129		465	27.90	481									
380+50	125				735												
		123	50.00	227		713	50.00	1320									
381+00	120				690												
		120	50.00	222		657	50.00	1216									
381+50	119				623												
		118	50.00	218		572	50.00	1060									
382+00	116				521												
		119	50.00	221		500	50.00	925									
382+50	122				478												
		128	50.00	237		458	50.00	849									
383+00	133				438												
		134	50.00	249		438	50.00	811									
383+50	135				437												
		127	50.00	235		373	50.00	690									
384+00	118				308												
		147	50.00	272		329	50.00	610									

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384+50	175				350											
		186	50.00	344		339	50.00	627								
385+00	196				327											
		207	50.00	383		328	50.00	608								
385+50	217				329											
		233	50.00	431		335	50.00	620								
386+00	248				340											
		177	50.00	328		267	50.00	494								
386+50	106				193											
		107	50.00	198		188	50.00	349								
387+00	107				183											
		105	50.00	194		178	50.00	329								
387+50	102				172											
		94	39.26	137		173	39.26	251								
387+89.26	86				173											
		85	10.74	34		166	10.74	67								
388+00	84				159											
		88	50.00	163		115	50.00	213								
388+50	91				70											
		95	50.00	175		57	50.00	105								
389+00	98				43											
		99	50.00	184		44	50.00	81								
389+50	100				44											
		94	50.00	174		54	50.00	100								
390+00	87				64											
		85	26.39	84		72	26.39	70								
390+26.39	83				79											
		83	23.61	73		90	23.61	79								
390+50	83				100											
		80	50.00	148		116	50.00	215								
391+00	76				132											
		77	50.00	143		149	50.00	275								
391+50	78				165											
		77	50.00	143		186	50.00	344								
392+00	76				206											
		89	50.00	164		153	50.00	284								
392+50	101				100											
		123	50.00	227		82	50.00	152								
393+00	144				64											
		147	50.00	273		75	50.00	139								
393+50	150				86											
		169	50.00	313		80	50.00	148								
394+00	188				73											
		203	39.26	296		69	39.26	100								
394+39.26	218				64											
		216	10.74	86		63	10.74	25								
394+50	214				61											
		220	50.00	407		56	50.00	104								
395+00	225				51											
		230	50.00	425		50	50.00	92								
395+50	234				48											
		232	50.00	429		48	50.00	89								
396+00	229				48											
		211	50.00	390		57	50.00	106								

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409+50	86				93												
		80	50.00	148		101	50.00	188									
410+00	73				109												
		74	50.00	138		108	50.00	200									
410+50	75				106												
		72	50.00	134		109	50.00	202									
411+00	69				112												
		71	50.00	132		114	50.00	211									
411+50	73				115												
		80	50.00	148		138	50.00	255									
412+00	86				160												
		91	50.00	168		162	50.00	300									
412+50	95				163												
		93	50.00	173		166	50.00	307									
413+00	91				168												
		92	50.00	171		170	50.00	314									
413+50	93				171												
		94	50.00	174		173	50.00	321									
414+00	94				175												
		79	50.00	146		172	50.00	319									
414+50	63				169												
		67	50.00	125		167	50.00	309									
415+00	71				164												
		64	50.00	119		170	50.00	315									
415+50	57				176												
		44	50.00	81		176	50.00	325									
416+00	30				175												
		32	50.00	59		174	50.00	322									
416+50	33				172												
		37	50.00	68		166	50.00	308									
417+00	40				160												
		37	47.52	66		164	47.52	288									
417+47.52	34				167												
		34	2.48	4		166	2.48	16									
417+50	34				165												
		34	50.00	63		160	50.00	297									
418+00	34				155												
		33	50.00	62		152	50.00	281									
418+50	32				148												
		32	50.00	59		136	50.00	251									
419+00	31				123												
		27	50.00	50		118	50.00	219									
419+50	23				113												
		23	50.00	42		99	50.00	183									
420+00	22				84												

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Total cuts, yd<sup>3</sup> **42,085**Total fills, yd<sup>3</sup> **57,392**Total fills, yd<sup>3</sup> **12,916**Total fills, yd<sup>3</sup> **13,866**(Area 1 + Area 2) ÷ 2 = Average End Area  
ft<sup>2</sup> — square footAverage End Area × Length ÷ 27 = Volume  
yd<sup>3</sup> — cubic yard

WLC

1-15-2021

Calculated by

Date

JDH

1-15-2021

Checked by

Date