

CA-EW-1

Earthwork Quantity Calculations

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

Station	CUTS				FILLS			
	End Area ft ²	Average End Area ft ²	Length Between Stations ft	Volume yd ³	End Area ft ²	Average End Area ft ²	Length Between Stations ft	Volume yd ³
337+00	53				0			
		133	12.25	61		1	12.25	1
337+12.25	213				2			
		224	37.75	314		2	37.75	3
337+50	235				1			
		243	50.00	450		1	50.00	2
338+00	250				1			
		260	50.00	482		1	50.00	2
338+50	270				1			
		283	50.00	525		1	50.00	2
339+00	296				1			
		315	50.00	584		1	50.00	2
339+50	334				1			
		322	50.00	596		2	50.00	3
340+00	309				2			
		298	50.00	552		1	50.00	2
340+50	287				0			
		269	50.00	499		2	50.00	4
341+00	251				4			
		247	50.00	458		4	50.00	7
341+50	243				3			
		236	50.00	438		4	50.00	7
342+00	229				4			
		217	50.00	401		4	50.00	7
342+50	204				3			
		226	50.00	419		42	50.00	77
343+00	248				80			
		213	50.00	395		45	50.00	83
343+50	178				9			
		182	50.00	337		23	50.00	43
344+00	185				37			
		173	50.00	321		25	50.00	47
344+50	161				13			
		161	50.00	299		14	50.00	25
345+00	161				14			
		151	50.00	279		14	50.00	25
345+50	140				13			
		145	50.00	269		17	50.00	32
346+00	150				21			
		156	50.00	288		17	50.00	32
346+50	161				13			
		162	50.00	300		17	50.00	32
347+00	162				21			
		165	50.00	306		20	50.00	37
347+50	168				18			
		168	12.45	78		19	12.45	9
347+62.45	167				19			

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		163	37.55	227		18	37.55	25	318
348+00	159				16				
		153	50.00	284		15	50.00	28	
348+50	147				14				
		147	50.00	272		15	50.00	28	
349+00	146				16				
		143	50.00	264		20	50.00	37	
349+50	139				23				
		154	50.00	286		17	50.00	31	319
350+00	169				10				
		178	50.00	329		10	50.00	19	
350+50	186				10				
		195	50.00	362		9	50.00	17	
351+00	204				8				
		213	50.00	394		7	50.00	13	
351+50	221				6				
		212	50.00	392		7	50.00	13	320
352+00	202				8				
		190	50.00	352		15	50.00	27	
352+50	178				21				
		172	50.00	319		34	50.00	63	
353+00	166				47				
		178	50.00	330		62	50.00	115	
353+50	190				77				
		183	50.00	338		87	50.00	162	
354+00	175				97				
		146	50.00	270		107	50.00	198	321
354+50	116				116				
		114	50.00	212		127	50.00	235	
355+00	112				137				
		108	50.00	200		156	50.00	289	
355+50	104				175				
		106	50.00	197		186	50.00	345	
356+00	108				197				
		107	50.00	198		197	50.00	364	
356+50	105				196				
		104	21.18	82		146	21.18	115	322
356+71.18	102				96				
		101	28.82	108		86	28.82	92	
357+00	100				75				
		105	50.00	195		65	50.00	121	
357+50	110				55				
		113	50.00	209		53	50.00	99	
358+00	115				51				
		131	50.00	243		50	50.00	93	
358+50	147				49				
		147	50.00	272		55	50.00	101	323
359+00	146				60				
		131	17.48	85		67	17.48	44	
359+17.48	115				73				
BACK									
AHEAD									324
359+00	115				73				
		114	50.00	211		68	50.00	126	
359+50	112				63				

		107	50.00	199		88	50.00	164	
360+00	102				114				
		100	50.00	186		127	50.00	235	
360+50	98				139				
		88	50.00	163		150	50.00	278	
361+00	78				161				
		72	50.00	134		177	50.00	328	325
361+50	66				193				
		49	50.00	91		213	50.00	394	
362+00	32				232				
		19	50.00	35		270	50.00	500	
362+50	5				307				
		3	50.00	5		339	50.00	628	
363+00	0				371				
		18	50.00	33		437	50.00	809	326
363+50	35				502				
		24	50.00	45		543	50.00	1006	
364+00	13				584				
		16	50.00	30		641	50.00	1188	
364+50	19				698				
		24	50.00	45		744	50.00	1377	
365+00	29				789				
		43	50.00	79		849	50.00	1573	
365+50	56				909				
		72	50.00	134		960	50.00	1778	327
366+00	88				1011				
		109	42.12	170		959	42.12	1497	
366+42.12	129				907				
		499	30.00	555		1358	30.00	1509	
366+72.12	869				1808				
BACK									
AHEAD									
368+09.36	970				1471				
		538	30.00	598		1201	30.00	1334	328
368+39.36	106				930				
		97	60.64	217		994	60.64	2233	
369+00	87				1058				
		101	50.00	188		1021	50.00	1890	
369+50	115				983				
		115	50.00	213		934	50.00	1729	
370+00	114				884				
		120	50.00	223		804	50.00	1489	329
370+50	126				724				
		125	50.00	232		655	50.00	1213	
371+00	124				586				
		129	50.00	239		560	50.00	1037	
371+50	134				533				
		74	50.00	138		400	50.00	740	
372+00	14				266				
		34	50.00	63		223	50.00	413	330
372+50	54				180				
		73	50.00	136		170	50.00	315	
373+00	92				160				
		110	50.00	203		136	50.00	252	
373+50	127				112				

		131	50.00	243		103	50.00	192
374+00	135				95			
		132	50.00	245		97	50.00	180
374+50	129				100			
		125	50.00	231		99	50.00	184
375+00	120				98			
		107	50.00	199		104	50.00	192
375+50	94				109			
		86	50.00	160		119	50.00	221
376+00	78				129			
		79	27.58	81		135	27.58	138
376+27.58	79				140			
		128	22.42	107		145	22.42	121
376+50	177				150			
		182	50.00	337		156	50.00	289
377+00	186				162			
		221	50.00	410		172	50.00	319
377+50	256				182			
		265	50.00	490		175	50.00	324
378+00	273				167			
		285	50.00	528		168	50.00	311
378+50	297				168			
		279	50.00	517		173	50.00	321
379+00	261				178			
		238	50.00	440		179	50.00	332
379+50	214				180			
		169	50.00	313		206	50.00	382
380+00	123				232			
		128	19.26	92		233	19.26	167
380+19.26	133				234			
		134	2.84	15		234	2.84	25
380+22.10	134				233			
		139	27.90	144		225	27.90	233
380+50	144				217			
		148	50.00	275		212	50.00	392
381+00	152				206			
		149	50.00	276		207	50.00	384
381+50	146				208			
		141	50.00	261		210	50.00	389
382+00	135				212			
		225	50.00	417		324	50.00	600
382+50	315				436			
		323	50.00	598		443	50.00	820
383+00	330				449			
		316	50.00	586		462	50.00	855
383+50	302				474			
		272	50.00	504		470	50.00	871
384+00	242				466			
		222	50.00	412		441	50.00	816
384+50	202				415			
		196	50.00	363		363	50.00	672
385+00	190				310			
		192	50.00	355		282	50.00	522
385+50	193				253			
		183	50.00	338		227	50.00	421
386+00	172				201			

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		172	50.00	318		194	50.00	360
386+50	171				187			
		174	50.00	322		179	50.00	332
387+00	176				171			
		172	50.00	318		192	50.00	356
387+50	167				213			
		156	39.26	227		218	39.26	317
387+89.26	145				222			
		139	10.74	56		227	10.74	91
388+00	133				231			
		139	50.00	258		214	50.00	396
388+50	145				196			
		143	50.00	264		182	50.00	337
389+00	140				167			
		134	50.00	249		164	50.00	303
389+50	128				160			
		128	50.00	238		167	50.00	310
390+00	128				174			
		128	26.39	126		181	26.39	177
390+26.39	128				188			
		124	23.61	109		193	23.61	169
390+50	120				198			
		116	50.00	215		215	50.00	399
391+00	112				232			
		112	50.00	207		247	50.00	457
391+50	111				261			
		112	50.00	207		269	50.00	499
392+00	112				277			
		108	50.00	200		180	50.00	334
392+50	104				83			
		130	50.00	240		127	50.00	235
393+00	155				170			
		154	50.00	285		182	50.00	337
393+50	152				193			
		154	50.00	285		196	50.00	363
394+00	155				199			
		160	39.26	232		195	39.26	284
394+39.26	164				191			
		165	10.74	66		189	10.74	76
394+50	165				187			
		167	50.00	310		186	50.00	345
395+00	169				185			
		163	50.00	301		185	50.00	342
395+50	156				184			
		159	50.00	294		191	50.00	353
396+00	161				197			
		164	50.00	304		199	50.00	369
396+50	167				201			
		171	50.00	316		201	50.00	373
397+00	174				201			
		168	50.00	312		208	50.00	386
397+50	162				215			
		157	50.00	290		215	50.00	398
398+00	151				214			
		143	50.00	265		213	50.00	394
398+50	135				211			

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		138	50.00	256		214	50.00	396	
399+00	141				216				
		135	50.00	250		193	50.00	357	
399+50	128				169				
		143	50.00	265		222	50.00	411	345
400+00	158				274				
		153	50.00	284		269	50.00	499	
400+50	148				264				
		151	50.00	279		257	50.00	476	
401+00	153				250				
		167	50.00	309		237	50.00	438	
401+50	180				223				
		187	50.00	346		224	50.00	414	346
402+00	193				224				
		192	50.00	356		228	50.00	422	
402+50	191				231				
		185	50.00	343		237	50.00	438	
403+00	179				242				
		181	50.00	335		269	50.00	499	
403+50	182				296				
		176	50.00	326		320	50.00	593	347
404+00	170				344				
		178	50.00	330		361	50.00	668	
404+50	186				377				
		187	50.00	346		371	50.00	688	
405+00	187				365				
		200	50.00	371		361	50.00	668	
405+50	213				356				
		214	50.00	396		354	50.00	656	348
406+00	214				352				
		213	50.00	394		355	50.00	658	
406+50	211				358				
		212	50.00	393		365	50.00	675	
407+00	213				371				
		211	50.00	391		371	50.00	688	
407+50	209				371				
		211	50.00	390		377	50.00	699	349
408+00	212				383				
		213	22.55	178		385	22.55	322	
408+22.55	213				386				
		227	27.45	231		392	27.45	399	
408+50	241				398				
		268	50.00	497		383	50.00	709	350
409+00	295				367				
		258	50.00	478		308	50.00	570	
409+50	221				248				
		215	50.00	398		261	50.00	484	
410+00	208				274				
		212	50.00	393		269	50.00	499	351
410+50	216				264				
		193	50.00	357		238	50.00	441	
411+00	169				212				
		163	50.00	302		223	50.00	413	
411+50	157				234				
		150	50.00	277		268	50.00	496	352
412+00	142				301				

		139	50.00	257		312	50.00	578	
412+50	135				323				
		137	50.00	253		323	50.00	598	
413+00	138				322				
		140	50.00	259		332	50.00	614	353
413+50	141				341				
		138	50.00	256		341	50.00	631	
414+00	135				340				
		142	50.00	263		343	50.00	635	
414+50	148				345				
		148	50.00	275		333	50.00	616	354
415+00	148				320				
		117	50.00	216		287	50.00	531	
415+50	85				253				
		70	50.00	130		244	50.00	452	
416+00	55				235				
		57	50.00	106		242	50.00	448	355
416+50	59				248				
		39	50.00	72		240	50.00	445	
417+00	18				232				
		40	47.52	70		234	47.52	411	
417+47.52	61				235				
		53	2.48	5		234	2.48	22	356
417+50	44				233				
		46	50.00	85		218	50.00	403	
418+00	47				202				
		40	50.00	75		194	50.00	360	
418+50	33				186				
		33	50.00	61		174	50.00	322	
419+00	32				161				
		31	50.00	58		142	50.00	263	357
419+50	30				123				
		25	50.00	46		108	50.00	200	
420+00	19				93				

Total cuts, yd³ **47,345**

Total fills, yd³ **71,163**

(Area 1 + Area 2) ÷ 2 = Average End Area
ft² — square foot

Average End Area × Length ÷ 27 = Volume
yd³ — cubic yard

WLC

1-15-2021

Calculated by

Date

JDH

1-15-2021

Checked by

Date