

Cálculo de Volumes por Comparação de Perfis: Terreno x Projeto

ESTACA	AREA CORTE	A. C. ACUM.	AREA ATERRO	A. A. ACUM.	SEMI-DIS.	VOL. CORTE	V. C. ACUM.	VOL. ATERRO	V. A. ACUM.
1+140,000	4,111	4,111	0	0					
					10	44,18	44,18	13,02	13,02
1+160,000	0,307	4,418	1,302	1,302					
					10	6,45	50,63	28,71	41,73
1+180,000	0,338	4,756	1,569	2,871					
					10	15,41	66,04	17,17	58,9
1+200,000	1,203	5,959	0,148	3,019					
					10	24,33	90,37	3,63	62,53
1+220,000	1,23	7,189	0,215	3,234					
					10	19,2	109,57	12,93	75,46
1+240,000	0,69	7,879	1,078	4,312					
					10	18,82	128,39	19,64	95,1
1+260,000	1,192	9,071	0,886	5,198					
					10	158,39	286,78	19,63	114,73
1+280,000	14,647	23,718	1,077	6,275					
					10	166,15	452,93	29,08	143,81
1+300,000	1,968	25,686	1,831	8,106					
					10	71,37	524,3	28,44	172,25
1+320,000	5,169	30,855	1,013	9,119					
					10	124,2	648,5	11,63	183,88
1+340,000	7,251	38,106	0,15	9,269					
					10	110,54	759,04	12,41	196,29
1+360,000	3,803	41,909	1,091	10,36					
					10	65,69	824,73	19,36	215,65
1+380,000	2,766	44,675	0,845	11,205					
					10	105,14	929,87	8,45	224,1
1+400,000	7,748	52,423	0	11,205					
					10	153,54	1.083,41	0,02	224,12
1+420,000	7,606	60,029	0,002	11,207					
					10	143,76	1.227,17	0,02	224,14
1+440,000	6,77	66,799	0	11,207					
					10	119,66	1.346,83	0,13	224,27
1+460,000	5,196	71,995	0,013	11,22					
					10	109,33	1.456,16	0,13	224,4
1+480,000	5,737	77,732	0	11,22					
					10	104,74	1.560,90	3,12	227,52
1+500,000	4,737	82,469	0,312	11,532					
					10	78,18	1.639,08	19,9	247,42
1+520,000	3,081	85,55	1,678	13,21					
					10	75,7	1.714,78	24,49	271,91
1+540,000	4,489	90,039	0,771	13,981					
					10	80,67	1.795,45	14,82	286,73
1+560,000	3,578	93,617	0,711	14,692					
					10	47,5	1.842,95	16,59	303,32
1+580,000	1,172	94,789	0,948	15,64					
					10	56,3	1.899,25	13,48	316,8
1+600,000	4,458	99,247	0,4	16,04					
					10	98	1.997,25	8,72	325,52
1+620,000	5,342	104,589	0,472	16,512					
					10	98,12	2.095,37	8,71	334,23
1+640,000	4,47	109,059	0,399	16,911					
					10	101,05	2.196,42	4,01	338,24
1+660,000	5,635	114,694	0,002	16,913					
					10	113,08	2.309,50	0,8	339,04
1+680,000	5,673	120,367	0,078	16,991					

					10	246,77	2.556,27	6,22	345,26
1+700,000	19,004	139,371	0,544	17,535					
					10	357,17	2.913,44	12,1	357,36
1+720,000	16,713	156,084	0,666	18,201					
					10	334,65	3.248,09	8,5	365,86
1+740,000	16,752	172,836	0,184	18,385					
					10	336,13	3.584,22	1,84	367,7
1+760,000	16,861	189,697	0	18,385					
					10	327,63	3.911,85	0,01	367,71
1+780,000	15,902	205,599	0,001	18,386					
					10	303,28	4.215,13	0,42	368,13
1+800,000	14,426	220,025	0,041	18,427					
					10	250,87	4.466,00	6,37	374,5
1+820,000	10,661	230,686	0,596	19,023					
					10	247,48	4.713,48	6,83	381,33
1+840,000	14,087	244,773	0,087	19,11					
					10	257,07	4.970,55	5,28	386,61
1+860,000	11,62	256,393	0,441	19,551					
					10	198,63	5.169,18	17,84	404,45
1+880,000	8,243	264,636	1,343	20,894					
					10	175,5	5.344,68	34,47	438,92
1+900,000	9,307	273,943	2,104	22,998					
					10	150,86	5.495,54	27,94	466,86
1+920,000	5,779	279,722	0,69	23,688					
					10	130,94	5.626,48	23,51	490,37
1+940,000	7,315	287,037	1,661	25,349					
					10	150,78	5.777,26	19,14	509,51
1+960,000	7,763	294,8	0,253	25,602					
					10	112,05	5.889,31	2,72	512,23
1+980,000	3,442	298,242	0,019	25,621					
					10	99,63	5.988,94	0,26	512,49
2	6,521	304,763	0,007	25,628					
					10	149,4	6.138,34	0,07	512,56
2+20,000	8,419	313,182	0	25,628					
					10	200,75	6.339,09	0	512,56
2+40,000	11,656	324,838	0	25,628					
					10	248,04	6.587,13	0,02	512,58
2+60,000	13,148	337,986	0,002	25,63					
					10	329,58	6.916,71	0,31	512,89
2+80,000	19,81	357,796	0,029	25,659					
					10	493,07	7.409,78	1,85	514,74
2+100,000	29,497	387,293	0,156	25,815					
					10	555,67	7.965,45	19,75	534,49
2+120,000	26,07	413,363	1,819	27,634					
					10	513,47	8.478,92	27,72	562,21
2+140,000	25,277	438,64	0,953	28,587					
					10	540,62	9.019,54	9,53	571,74
2+160,000	28,785	467,425	0	28,587					
					10	418,72	9.438,26	0	571,74
2+180,000	13,087	480,512	0	28,587					
					10	218,34	9.656,60	0	571,74
2+200,000	8,747	489,259	0	28,587					
					10	163,92	9.820,52	0	571,74
2+220,000	7,645	496,904	0	28,587					
					10	138,69	9.959,21	0,01	571,75
2+240,000	6,224	503,128	0,001	28,588					
					10	141,87	10.101,08	0,01	571,76
2+260,000	7,963	511,091	0	28,588					
					10	176,4	10.277,48	6,03	577,79
2+280,000	9,677	520,768	0,603	29,191					
					10	169,94	10.447,42	6,33	584,12

2+300,000	7,317	528,085	0,03	29,221					
					10	131,33	10.578,75	10,46	594,58
2+320,000	5,816	533,901	1,016	30,237					
					10	79,15	10.657,90	14,71	609,29
2+340,000	2,099	536	0,455	30,692					
					10	43,86	10.701,76	8,16	617,45
2+360,000	2,287	538,287	0,361	31,053					
					10	90,05	10.791,81	3,64	621,09
2+380,000	6,718	545,005	0,003	31,056					
					10	127,89	10.919,70	2,09	623,18
2+400,000	6,071	551,076	0,206	31,262					
					10	141,19	11.060,89	2,07	625,25
2+420,000	8,048	559,124	0,001	31,263					
					10	206,45	11.267,34	0,22	625,47
2+440,000	12,597	571,721	0,021	31,284					
					10	220,71	11.488,05	18,38	643,85
2+460,000	9,474	581,195	1,817	33,101					
					10	204,12	11.692,17	40,61	684,46
2+480,000	10,938	592,133	2,244	35,345					
					10	218,41	11.910,58	25,05	709,51
2+500,000	10,903	603,036	0,261	35,606					
					10	247,77	12.158,35	2,61	712,12
2+520,000	13,874	616,91	0	35,606					
					10	299,72	12.458,07	0	712,12
2+540,000	16,098	633,008	0	35,606					
					10	361,31	12.819,38	0	712,12
2+560,000	20,033	653,041	0	35,606					
					10	354,76	13.174,14	0	712,12
2+580,000	15,443	668,484	0	35,606					
					10	291,29	13.465,43	4,24	716,36
2+600,000	13,686	682,17	0,424	36,03					
					10	225,15	13.690,58	10,17	726,53
2+620,000	8,829	690,999	0,593	36,623					
					10	155,11	13.845,69	17,72	744,25
2+640,000	6,682	697,681	1,179	37,802					
					10	125,22	13.970,91	14,57	758,82
2+660,000	5,84	703,521	0,278	38,08					
					10	107,26	14.078,17	6,77	765,59
2+680,000	4,886	708,407	0,399	38,479					
					10	76,51	14.154,68	13,57	779,16
2+700,000	2,765	711,172	0,958	39,437					
					10	53,77	14.208,45	15,63	794,79
2+720,000	2,612	713,784	0,605	40,042					
					10	55,83	14.264,28	11,73	806,52
2+740,000	2,971	716,755	0,568	40,61					
					10	76,08	14.340,36	5,68	812,2
2+760,000	4,637	721,392	0	40,61					
					10	102,73	14.443,09	0	812,2
2+780,000	5,636	727,028	0	40,61					
					10	170,59	14.613,68	0	812,2
2+800,000	11,423	738,451	0	40,61					
					10	206,59	14.820,27	0,06	812,26
2+820,000	9,236	747,687	0,006	40,616					
					10	233,89	15.054,16	19,78	832,04
2+840,000	14,153	761,84	1,972	42,588					
					10	255,9	15.310,06	32,32	864,36
2+860,000	11,437	773,277	1,26	43,848					
					10	279,1	15.589,16	32,7	897,06
2+880,000	16,473	789,75	2,01	45,858					
					10	329,6	15.918,76	31,84	928,9
2+900,000	16,487	806,237	1,174	47,032					

					10	328,47	16.247,23	12,17	941,07
2+920,000	16,36	822,597	0,043	47,075					
					10	230,14	16.477,37	2,07	943,14
2+940,000	6,654	829,251	0,164	47,239					
					10	103,16	16.580,53	18,08	961,22
2+960,000	3,662	832,913	1,644	48,883					
					10	78,31	16.658,84	40,6	1.001,82
2+980,000	4,169	837,082	2,416	51,299					
					10	70,63	16.729,47	37,75	1.039,57
3	2,894	839,976	1,359	52,658					
					10	53,59	16.783,06	23,37	1.062,94
3+20,000	2,465	842,441	0,978	53,636					
					10	46,16	16.829,22	13,62	1.076,56
3+40,000	2,151	844,592	0,384	54,02					
					10	72,4	16.901,62	3,84	1.080,40
3+60,000	5,089	849,681	0	54,02					
					10	82,11	16.983,73	0	1.080,40
3+80,000	3,122	852,803	0	54,02					
					10	53,65	17.037,38	1,79	1.082,19
3+100,000	2,243	855,046	0,179	54,199					
					10	51,31	17.088,69	12,58	1.094,77
3+120,000	2,888	857,934	1,079	55,278					
					10	60,08	17.148,77	24,39	1.119,16
3+140,000	3,12	861,054	1,36	56,638					
					10	70,79	17.219,56	17,89	1.137,05
3+160,000	3,959	865,013	0,429	57,067					
					10	88,09	17.307,65	9,81	1.146,86
3+180,000	4,85	869,863	0,552	57,619					
					10	79,38	17.387,03	13,08	1.159,94
3+200,000	3,088	872,951	0,756	58,375					
					10	76,66	17.463,69	20,65	1.180,59
3+220,000	4,578	877,529	1,309	59,684					
					10	89,14	17.552,83	14,24	1.194,83
3+240,000	4,336	881,865	0,115	59,799					
					10	131,3	17.684,13	10,59	1.205,42
3+260,000	8,794	890,659	0,944	60,743					
					10	275,45	17.959,58	9,44	1.214,86
3+280,000	18,751	909,41	0	60,743					
					10	287,07	18.246,65	1,09	1.215,95
3+300,000	9,956	919,366	0,109	60,852					
					10	224,78	18.471,43	2,51	1.218,46
3+320,000	12,522	931,888	0,142	60,994					
					10	281,61	18.753,04	1,42	1.219,88
3+340,000	15,639	947,527	0	60,994					
					10	258,61	19.011,65	9,83	1.229,71
3+360,000	10,222	957,749	0,983	61,977					
					10	179,62	19.191,27	13,14	1.242,85
3+380,000	7,74	965,489	0,331	62,308					
					10	179,99	19.371,26	9,88	1.252,73
3+400,000	10,259	975,748	0,657	62,965					
					10	241,54	19.612,80	15,66	1.268,39
3+420,000	13,895	989,643	0,909	63,874					
					10	268,48	19.881,28	25,99	1.294,38
3+440,000	12,953	1.002,60	1,69	65,564					
					10	271,23	20.152,51	33,06	1.327,44
3+460,000	14,17	1.016,77	1,616	67,18					
					10	302,32	20.454,83	25,18	1.352,62
3+480,000	16,062	1.032,83	0,902	68,082					
					10	274,32	20.729,15	15,81	1.368,43
3+500,000	11,37	1.044,20	0,679	68,761					
					10	196,91	20.926,06	8,68	1.377,11

3+520,000	8,321	1.052,52	0,189	68,95					
					10	196	21.122,06	1,89	1.379,00
3+540,000	11,279	1.063,80	0	68,95					
					10	162,07	21.284,13	0,57	1.379,57
3+560,000	4,928	1.068,73	0,057	69,007					
					10	153,88	21.438,01	2,72	1.382,29
3+580,000	10,46	1.079,19	0,215	69,222					
					10	202,58	21.640,59	2,15	1.384,44
3+600,000	9,798	1.088,98	0	69,222					
					10	130,43	21.771,02	0,72	1.385,16
3+620,000	3,245	1.092,23	0,072	69,294					
					10	102,31	21.873,33	0,72	1.385,88
3+640,000	6,986	1.099,22	0	69,294					
					10	121,19	21.994,52	0,23	1.386,11
3+660,000	5,133	1.104,35	0,023	69,317					
					10	94,33	22.088,85	1,09	1.387,20
3+680,000	4,3	1.108,65	0,086	69,403					
					10	102,86	22.191,71	0,94	1.388,14
3+700,000	5,986	1.114,63	0,008	69,411					
					10	121	22.312,71	0,08	1.388,22
3+720,000	6,114	1.120,75	0	69,411					
					10	106,68	22.419,39	15,2	1.403,42
3+740,000	4,554	1.125,30	1,52	70,931					
					10	87,91	22.507,30	27,2	1.430,62
3+760,000	4,237	1.129,54	1,2	72,131					
					10	82,29	22.589,59	22,86	1.453,48
3+780,000	3,992	1.133,53	1,086	73,217					
					10	97,7	22.687,29	22,78	1.476,26
3+800,000	5,778	1.139,31	1,192	74,409					
					10	132,57	22.819,86	22,35	1.498,61
3+820,000	7,479	1.146,79	1,043	75,452					
					10	138,2	22.958,06	16,63	1.515,24
3+840,000	6,341	1.153,13	0,62	76,072					
					10	124,63	23.082,69	19,54	1.534,78
3+860,000	6,122	1.159,25	1,334	77,406					
					10	96,96	23.179,65	24,44	1.559,22
3+880,000	3,574	1.162,83	1,11	78,516					
					10	81,9	23.261,55	26,46	1.585,68
3+900,000	4,616	1.167,44	1,536	80,052					
					10	112,92	23.374,47	28,86	1.614,54
3+920,000	6,676	1.174,12	1,35	81,402					
					10	140,04	23.514,51	27,46	1.642,00
3+940,000	7,328	1.181,45	1,396	82,798					
					10	161,14	23.675,65	27,68	1.669,68
3+960,000	8,786	1.190,23	1,372	84,17					
					10	182,88	23.858,53	27,85	1.697,53
3+980,000	9,502	1.199,73	1,413	85,583					
					10	170,11	24.028,64	23,49	1.721,02
4	7,509	1.207,24	0,936	86,519					
					10	166,55	24.195,19	21,22	1.742,24
4+20,000	9,146	1.216,39	1,186	87,705					
					10	190,02	24.385,21	14,87	1.757,11
4+40,000	9,856	1.226,24	0,301	88,006					
					10	194,92	24.580,13	8,73	1.765,84
4+60,000	9,636	1.235,88	0,572	88,578					
					10	174,03	24.754,16	16,38	1.782,22
4+80,000	7,767	1.243,65	1,066	89,644					
					10	207,58	24.961,74	10,66	1.792,88
4+100,000	12,991	1.256,64	0	89,644					
					10	340,82	25.302,56	5	1.797,88
4+120,000	21,091	1.277,73	0,5	90,144					

					10	367,54	25.670,10	31,02	1.828,90
4+140,000	15,663	1.293,39	2,602	92,746					
					10	222,44	25.892,54	38,52	1.867,42
4+160,000	6,581	1.299,97	1,25	93,996					
					10	106,18	25.998,72	25,9	1.893,32
4+180,000	4,037	1.304,01	1,34	95,336					
					10	64,86	26.063,58	23,27	1.916,59
4+200,000	2,449	1.306,46	0,987	96,323					
					10	46,47	26.110,05	20,72	1.937,31
4+220,000	2,198	1.308,66	1,085	97,408					
					10	40,55	26.150,60	24,12	1.961,43
4+240,000	1,857	1.310,51	1,327	98,735					
					10	62,81	26.213,41	23,41	1.984,84
4+260,000	4,424	1.314,94	1,014	99,749					
					10	117,87	26.331,28	20,29	2.005,13
4+280,000	7,363	1.322,30	1,015	100,764					
					10	136,4	26.467,68	21,29	2.026,42
4+300,000	6,277	1.328,58	1,114	101,878					
					10	158,02	26.625,70	12,55	2.038,97
4+320,000	9,525	1.338,10	0,141	102,019					
					10	155,08	26.780,78	4,9	2.043,87
4+340,000	5,983	1.344,09	0,349	102,368					
					10	94,55	26.875,33	7,2	2.051,07
4+360,000	3,472	1.347,56	0,371	102,739					
					10	4,31	26.879,64	1,57	2.052,64
4+361,770	0,431	1.348,14	0,157	102,895					
		Corte		Aterro					
Áreas		1348,14 m2		102,895 m2					
Volumes		26879,64 m3		2052,64 m3					