

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Á.C. Acum.	Área Aterro	Á. A. Acum.	Semi-Dis.	Vol.Corte	V.C.Acum.	Vol.Aterro	V.A.Acum.
0	0,131	0,131	0,009	0,009					
					10,000	11,380	11,380	0,090	0,090
1	1,007	1,138	0,000	0,009					
					10,000	42,210	53,590	0,000	0,090
2	3,214	4,352	0,000	0,009					
					10,000	46,490	100,080	0,000	0,090
3	1,435	5,787	0,000	0,009					
					10,000	14,350	114,430	16,810	16,900
4	0,000	5,787	1,681	1,690					
					3,520	0,000	114,430	13,879	30,779
4+7,040	0,000	5,787	2,262	3,952					
					6,480	0,000	114,430	33,029	63,808
5	0,000	5,787	2,835	6,787					
					7,985	0,000	114,430	35,286	99,094
5+15,970	0,000	5,787	1,584	8,371					
					2,015	0,000	114,430	6,126	105,220
6	0,000	5,787	1,456	9,827					
					10,000	0,000	114,430	23,480	128,700
7	0,000	5,787	0,892	10,719					
					7,010	1,872	116,302	6,253	134,953
7+14,020	0,267	6,054	0,000	10,719					
					2,990	2,924	119,226	0,000	134,953
8	0,711	6,765	0,000	10,719					
					10,000	22,670	141,896	0,000	134,953
9	1,556	8,321	0,000	10,719					
					10,000	15,560	157,456	22,040	156,993
10	0,000	8,321	2,204	12,923					
					2,450	0,000	157,456	10,584	167,577
10+4,900	0,000	8,321	2,116	15,039					
					7,550	0,000	157,456	19,441	187,018
11	0,000	8,321	0,459	15,498					
					10,000	0,000	157,456	18,210	205,228
12	0,000	8,321	1,362	16,860					
					10,000	4,630	162,086	13,620	218,848
13	0,463	8,784	0,000	16,860					
					10,000	11,460	173,546	0,000	218,848
14	0,683	9,467	0,000	16,860					
					10,000	6,830	180,376	22,300	241,148
15	0,000	9,467	2,230	19,090					
					10,000	4,890	185,266	22,310	263,458
16	0,489	9,956	0,001	19,091					
					10,000	13,710	198,976	0,010	263,468
17	0,882	10,838	0,000	19,091					
					3,675	3,366	202,342	1,172	264,640
17+7,350	0,034	10,872	0,319	19,410					
					6,325	0,215	202,557	26,154	290,794
18	0,000	10,872	3,816	23,226					
					10,000	0,360	202,917	40,890	331,684
19	0,036	10,908	0,273	23,499					

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19	0,036	10,908	0,273	23,499					
					10,000	36,170	238,727	2,730	293,524
20	3,581	14,489	0,000	23,499					
					10,000	57,310	296,037	0,000	293,524
21	2,150	16,639	0,000	23,499					
					1,565	5,958	301,995	0,000	293,524
21+3,130	1,657	18,296	0,000	23,499					
					8,435	13,977	315,972	19,266	312,790
22	0,000	18,296	2,284	25,783					
					10,000	0,000	315,972	107,390	420,180
23	0,000	18,296	8,455	34,238					
					10,000	0,000	315,972	196,660	616,840
24	0,000	18,296	11,211	45,449					
					10,000	0,000	315,972	191,720	808,560
25	0,000	18,296	7,961	53,410					
					10,000	0,000	315,972	116,960	925,520
26	0,000	18,296	3,735	57,145					
					2,555	0,000	315,972	17,637	943,157
26+5,110	0,000	18,296	3,168	60,313					
					7,445	0,000	315,972	36,682	979,839
27	0,000	18,296	1,759	62,072					
					10,000	0,000	315,972	27,360	1.007,199
28	0,000	18,296	0,977	63,049					
					10,000	1,650	317,622	10,090	1.017,289
29	0,165	18,461	0,032	63,081					
					6,840	21,601	339,223	0,219	1.017,508
29+13,680	2,993	21,454	0,000	63,081					
					0,380	2,333	341,556	0,000	1.017,508
29+14,440	3,146	24,600	0,000	63,081					
					2,780	18,743	360,299	0,000	1.017,508
30	3,596	28,196	0,000	63,081					
					10,000	82,150	442,449	0,000	1.017,508
31	4,619	32,815	0,000	63,081					
					10,000	58,710	501,159	0,000	1.017,508
32	1,252	34,067	0,000	63,081					
					10,000	12,520	513,679	19,900	1.037,408
33	0,000	34,067	1,990	65,071					
					0,855	0,000	513,679	3,131	1.040,539
33+1,710	0,000	34,067	1,672	66,743					
					9,145	12,154	525,833	15,290	1.055,829
34	1,329	35,396	0,000	66,743					
					9,581	64,458	590,291	0,000	1.055,829
34+19,161	5,399	40,795	0,000	66,743					
					0,419	4,534	594,825	0,000	1.055,829
35	5,410	46,205	0,000	66,743					
					10,000	142,920	737,745	0,000	1.055,829
36	8,882	55,087	0,000	66,743					
					10,000	137,370	875,115	0,000	1.055,829
37	4,855	59,942	0,000	66,743					

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37	4,855	59,942	0,000	66,743					
					10,000	53,810	791,915	0,000	1.096,719
38	0,526	60,468	0,000	66,743					
					5,775	3,038	794,953	3,118	1.099,837
38+11,550	0,000	60,468	0,540	67,283					
					4,225	0,085	795,038	3,828	1.103,665
39	0,020	60,488	0,366	67,649					
					10,000	16,340	811,378	3,660	1.107,325
40	1,614	62,102	0,000	67,649					
					7,841	39,273	850,651	0,000	1.107,325
40+15,681	3,395	65,497	0,000	67,649					
					2,159	16,004	866,655	0,000	1.107,325
41	4,016	69,513	0,000	67,649					
					10,000	95,520	962,175	0,000	1.107,325
42	5,536	75,049	0,000	67,649					
					3,300	37,013	999,188	0,000	1.107,325
42+6,600	5,680	80,729	0,000	67,649					
					6,700	74,604	1.073,792	0,000	1.107,325
43	5,455	86,184	0,000	67,649					
					10,000	82,860	1.156,652	0,000	1.107,325
44	2,831	89,015	0,000	67,649					
					4,390	20,554	1.177,206	0,000	1.107,325
44+8,780	1,851	90,866	0,000	67,649					
					5,610	16,056	1.193,262	0,000	1.107,325
45	1,011	91,877	0,000	67,649					
					10,000	43,640	1.236,902	0,000	1.107,325
46	3,353	95,230	0,000	67,649					
					10,000	102,430	1.339,332	0,000	1.107,325
47	6,890	102,120	0,000	67,649					
					8,696	143,501	1.482,833	0,000	1.107,325
47+17,392	9,612	111,732	0,000	67,649					
					1,304	25,647	1.508,480	0,000	1.107,325
48	10,056	121,788	0,000	67,649					
					10,000	256,990	1.765,470	0,000	1.107,325
49	15,643	137,431	0,000	67,649					
					10,000	188,430	1.953,900	0,000	1.107,325
50	3,200	140,631	0,000	67,649					
					10,000	32,000	1.985,900	115,780	1.223,105
51	0,000	140,631	11,578	79,227					
					4,760	0,000	1.985,900	130,685	1.353,790
51+9,521	0,000	140,631	15,874	95,101					
					5,240	0,000	1.985,900	183,409	1.537,199
52	0,000	140,631	19,131	114,232					
					10,000	0,000	1.985,900	377,820	1.915,019
53	0,000	140,631	18,651	132,883					
					1,160	0,000	1.985,900	42,320	1.957,339
53+2,320	0,000	140,631	17,832	150,715					
					8,840	0,000	1.985,900	282,606	2.239,945
54	0,000	140,631	14,137	164,852					

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54	0,000	140,631	14,137	164,852					
					4,356	0,000	2.123,270	122,773	2.080,112
54+8,711	0,000	140,631	14,051	178,903					
					5,644	0,000	2.123,270	158,396	2.238,508
55	0,000	140,631	14,011	192,914					
					10,000	0,000	2.123,270	227,380	2.465,888
56	0,000	140,631	8,727	201,641					
					10,000	34,490	2.157,760	87,270	2.553,158
57	3,449	144,080	0,000	201,641					
					6,725	97,539	2.255,299	0,000	2.553,158
57+13,450	11,055	155,135	0,000	201,641					
					3,275	71,470	2.326,769	0,000	2.553,158
58	10,768	165,903	0,000	201,641					
					5,971	107,066	2.433,835	0,000	2.553,158
58+11,942	7,163	173,066	0,000	201,641					
					4,029	44,883	2.478,718	0,000	2.553,158
59	3,977	177,043	0,000	201,641					
					3,795	17,776	2.496,494	0,000	2.553,158
59+7,590	0,707	177,750	0,000	201,641					
					6,205	4,387	2.500,881	16,034	2.569,192
60	0,000	177,750	2,584	204,225					
					10,000	2,930	2.503,811	38,450	2.607,642
61	0,293	178,043	1,261	205,486					
					10,000	56,010	2.559,821	12,610	2.620,252
62	5,308	183,351	0,000	205,486					
					1,745	19,989	2.579,810	0,000	2.620,252
62+3,490	6,147	189,498	0,000	205,486					
					8,255	135,399	2.715,209	0,000	2.620,252
63	10,255	199,753	0,000	205,486					
					10,000	225,740	2.940,949	0,000	2.620,252
64	12,319	212,072	0,000	205,486					
					4,230	94,862	3.035,811	0,000	2.620,252
64+8,460	10,107	222,179	0,000	205,486					
					5,557	86,139	3.121,950	0,000	2.620,252
64+19,574	5,394	227,573	0,000	205,486					
					0,213	2,238	3.124,188	0,000	2.620,252
65	5,115	232,688	0,000	205,486					
					10,000	51,150	3.175,338	84,470	2.704,722
66	0,000	232,688	8,447	213,933					
					10,000	0,000	3.175,338	375,900	3.080,622
67	0,000	232,688	29,143	243,076					
					9,640	0,000	3.175,338	563,699	3.644,321
67+19,280	0,000	232,688	29,332	272,408					
					0,360	0,000	3.175,338	20,989	3.665,310
68	0,000	232,688	28,972	301,380					
					10,000	0,000	3.175,338	484,950	4.150,260
69	0,000	232,688	19,523	320,903					
					10,000	0,000	3.175,338	318,720	4.468,980
70	0,000	232,688	12,349	333,252					

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70	0,000	232,688	12,349	333,252					
					2,295	0,000	3.175,338	53,088	4.485,954
70+4,590	0,000	232,688	10,783	344,035					
					6,677	0,000	3.175,338	120,406	4.606,360
70+17,944	0,000	232,688	7,250	351,285					
					1,028	0,000	3.175,338	14,467	4.620,827
71	0,000	232,688	6,823	358,108					
					10,000	0,000	3.175,338	104,020	4.724,847
72	0,000	232,688	3,579	361,687					
					10,000	0,000	3.175,338	51,320	4.776,167
73	0,000	232,688	1,553	363,240					
					10,000	4,850	3.180,188	15,530	4.791,697
74	0,485	233,173	0,000	363,240					
					10,000	14,970	3.195,158	0,000	4.791,697
75	1,012	234,185	0,000	363,240					
					10,000	10,120	3.205,278	9,440	4.801,137
76	0,000	234,185	0,944	364,184					
					10,000	0,000	3.205,278	47,700	4.848,837
77	0,000	234,185	3,826	368,010					
					0,950	0,000	3.205,278	7,563	4.856,400
77+1,900	0,000	234,185	4,135	372,145					
					9,050	0,000	3.205,278	105,930	4.962,330
78	0,000	234,185	7,570	379,715					
					10,000	0,000	3.205,278	184,740	5.147,070
79	0,000	234,185	10,904	390,619					
					10,000	0,000	3.205,278	230,620	5.377,690
80	0,000	234,185	12,158	402,777					
					10,000	0,000	3.205,278	215,070	5.592,760
81	0,000	234,185	9,349	412,126					
					10,000	0,000	3.205,278	109,300	5.702,060
82	0,000	234,185	1,581	413,707					
					10,000	89,470	3.294,748	15,810	5.717,870
83	8,947	243,132	0,000	413,707					
					10,000	239,430	3.534,178	0,000	5.717,870
84	14,996	258,128	0,000	413,707					
					3,073	91,594	3.625,772	0,000	5.717,870
84+6,146	14,810	272,938	0,000	413,707					
					6,927	182,596	3.808,368	0,000	5.717,870
85	11,550	284,488	0,000	413,707					
					10,000	162,110	3.970,478	0,000	5.717,870
86	4,661	289,149	0,000	413,707					
					10,000	49,740	4.020,218	1,940	5.719,810
87	0,313	289,462	0,194	413,901					
					10,000	3,750	4.023,968	9,120	5.728,930
88	0,062	289,524	0,718	414,619					
					10,000	2,590	4.026,558	12,900	5.741,830
89	0,197	289,721	0,572	415,191					
					10,000	1,970	4.028,528	22,600	5.764,430
90	0,000	289,721	1,688	416,879					

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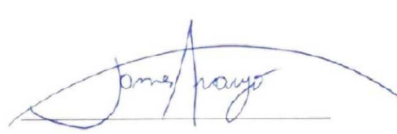
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90	0,000	289,721	1,688	416,879					
					8,035	0,000	4.026,558	40,938	6.101,488
90+16,070	0,000	289,721	3,407	420,286					
					1,965	0,000	4.026,558	13,460	6.114,948
91	0,000	289,721	3,443	423,729					
					10,000	0,000	4.026,558	40,700	6.155,648
92	0,000	289,721	0,627	424,356					
					10,000	33,690	4.060,248	6,270	6.161,918
93	3,369	293,090	0,000	424,356					
					10,000	72,510	4.132,758	0,000	6.161,918
94	3,882	296,972	0,000	424,356					
					10,000	92,090	4.224,848	0,000	6.161,918
95	5,327	302,299	0,000	424,356					
					3,575	43,515	4.268,363	0,000	6.161,918
95+7,150	6,845	309,144	0,000	424,356					
					6,425	114,583	4.382,946	0,000	6.161,918
96	10,989	320,133	0,000	424,356					
					10,000	237,580	4.620,526	0,000	6.161,918
97	12,769	332,902	0,000	424,356					
					10,000	226,060	4.846,586	0,000	6.161,918
98	9,837	342,739	0,000	424,356					
					10,000	135,740	4.982,326	0,000	6.161,918
99	3,737	346,476	0,000	424,356					
					10,000	90,660	5.072,986	0,000	6.161,918
100	5,329	351,805	0,000	424,356					
					0,293	3,186	5.076,172	0,000	6.161,918
100+0,587	5,527	357,332	0,000	424,356					
					9,707	190,374	5.266,546	0,000	6.161,918
101	14,086	371,418	0,000	424,356					
					10,000	335,880	5.602,426	0,000	6.161,918
102	19,502	390,920	0,000	424,356					
					10,000	327,990	5.930,416	0,000	6.161,918
103	13,297	404,217	0,000	424,356					
					10,000	159,720	6.090,136	0,000	6.161,918
104	2,675	406,892	0,000	424,356					
					10,000	26,750	6.116,886	53,130	6.215,048
105	0,000	406,892	5,313	429,669					
					10,000	0,000	6.116,886	122,300	6.337,348
106	0,000	406,892	6,917	436,586					
					7,220	0,000	6.116,886	148,934	6.486,282
106+14,440	0,000	406,892	13,711	450,297					
					2,780	0,000	6.116,886	82,207	6.568,489
107	0,000	406,892	15,860	466,157					
					10,000	0,000	6.116,886	312,130	6.880,619
108	0,000	406,892	15,353	481,510					
					10,000	0,000	6.116,886	273,160	7.153,779
109	0,000	406,892	11,963	493,473					
					10,000	0,000	6.116,886	196,660	7.350,439
110	0,000	406,892	7,703	501,176					

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110	0,000	406,892	7,703	501,176					
					3,873	0,000	6.118,856	53,086	7.229,465
110+7,747	0,000	406,892	6,002	507,178					
					6,127	0,000	6.118,856	63,961	7.293,426
111	0,000	406,892	4,438	511,616					
					10,000	0,000	6.118,856	74,830	7.368,256
112	0,000	406,892	3,045	514,661					
					10,000	0,000	6.118,856	44,590	7.412,846
113	0,000	406,892	1,414	516,075					
					10,000	22,080	6.140,936	14,140	7.426,986
114	2,208	409,100	0,000	516,075					
					1,474	7,049	6.147,985	0,000	7.426,986
114+2,948	2,574	411,674	0,000	516,075					
					8,526	62,956	6.210,941	0,000	7.426,986
115	4,810	416,484	0,000	516,075					
					10,000	84,160	6.295,101	0,000	7.426,986
116	3,606	420,090	0,000	516,075					
					10,000	46,070	6.341,171	0,000	7.426,986
117	1,001	421,091	0,000	516,075					
					2,494	5,024	6.346,195	0,000	7.426,986
117+4,987	1,014	422,105	0,000	516,075					
					7,506	18,654	6.364,849	0,000	7.426,986
118	1,471	423,576	0,000	516,075					
					7,764	18,415	6.383,264	0,000	7.426,986
118+15,527	0,901	424,477	0,000	516,075					
					2,236	3,442	6.386,706	0,000	7.426,986
119	0,638	425,115	0,000	516,075					
					8,175	11,723	6.398,429	0,000	7.426,986
119+16,350	0,796	425,911	0,000	516,075					
					1,825	3,953	6.402,382	0,000	7.426,986
120	1,370	427,281	0,000	516,075					
					10,000	31,080	6.433,462	0,000	7.426,986
121	1,738	429,019	0,000	516,075					
					10,000	21,000	6.454,462	0,720	7.427,706
122	0,362	429,381	0,072	516,147					
					2,184	1,004	6.455,466	0,561	7.428,267
122+4,367	0,098	429,479	0,185	516,332					

	Corte	Aterro
Áreas	429,4790 m²	516,332 m²
Volumes	6.455,466 m³	7.624,927 m³


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 Secretário Municipal de Obras e Urbanismo