

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	7.727.433,499	748.960,388	515,310	273°31'21"
0+3,500	PIV2	3,500	7.727.436,992	748.960,603	515,408	273°31'21"
0+10,000	PCV3	10,000	7.727.443,480	748.961,003	515,382	273°31'21"
0+13,500		13,500	7.727.446,973	748.961,218	515,405	273°31'21"
1		20,000	7.727.453,461	748.961,617	515,448	273°31'21"
1+10,000	PTV3	30,000	7.727.463,442	748.962,232	515,560	273°31'21"
2	PIV4	40,000	7.727.473,423	748.962,846	515,722	273°31'21"
3	PIV5	60,000	7.727.493,385	748.964,075	515,813	273°31'21"
3+3,846	PC2	63,846	7.727.497,224	748.964,311	515,941	273°31'21"
4		80,000	7.727.513,227	748.962,705	516,227	255°00'41"
4+3,063	PI3	83,063	7.727.516,160	748.961,822	516,224	251°30'06"
5		100,000	7.727.532,222	748.956,449	516,468	251°30'06"
6	PIV4	120,000	7.727.551,189	748.950,103	516,703	251°30'06"
6+10,723	V5	130,723	7.727.561,358	748.946,701	516,850	251°30'06"
7		140,000	7.727.570,155	748.943,757	517,023	251°30'06"
7+4,440	PI-5	144,440	7.727.574,365	748.942,349	517,006	251°30'06"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	7.727.513,561	749.187,894	514,130	265°38'39"
0+3,500	PIV2	3,500	7.727.517,051	749.187,628	514,291	265°38'39"
0+10,000	PCV3	10,000	7.727.523,532	749.187,135	514,389	265°38'39"
0+13,500		13,500	7.727.527,022	749.186,869	514,566	265°38'39"
1		20,000	7.727.533,503	749.186,375	514,912	265°38'39"
1+10,000	PCCV4	30,000	7.727.543,475	749.185,616	515,432	265°38'39"
2		40,000	7.727.553,446	749.184,856	515,837	265°38'39"
2+10,000	PCCV5	50,000	7.727.563,417	749.184,097	516,343	265°38'39"
3		60,000	7.727.573,388	749.183,337	516,858	265°38'39"
3+10,000	PTV5	70,000	7.727.583,359	749.182,578	517,458	265°38'39"
3+16,000		76,000	7.727.589,342	749.182,122	517,829	265°38'39"
4		80,000	7.727.593,330	749.181,818	518,081	265°38'39"
4+6,583	PIV6	86,583	7.727.599,894	749.181,318	518,414	265°38'39"
4+10,083	V7	90,083	7.727.603,384	749.181,052	518,517	265°38'39"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	7.727.381,170	748.686,713	512,356	301°04'14"
0+3,500	PIV2	3,500	7.727.384,168	748.688,519	512,404	301°04'14"
0+14,000		14,000	7.727.393,161	748.693,938	512,704	301°04'14"
1		20,000	7.727.398,301	748.697,035	512,916	301°04'14"
1+10,000	PCV3	30,000	7.727.406,866	748.702,196	513,394	301°04'14"
2		40,000	7.727.415,431	748.707,357	514,008	301°04'14"
2+10,000	PTV3	50,000	7.727.423,997	748.712,518	514,373	301°04'14"
3		60,000	7.727.432,562	748.717,679	514,688	301°04'14"
3+10,000	PCV4	70,000	7.727.441,127	748.722,839	515,051	301°04'14"
4		80,000	7.727.449,693	748.728,000	515,320	301°04'14"
4+10,000	PTV4	90,000	7.727.458,258	748.733,161	515,458	301°04'14"
5		100,000	7.727.466,823	748.738,322	515,604	301°04'14"
5+10,000	PCV5	110,000	7.727.475,389	748.743,483	515,752	301°04'14"
6		120,000	7.727.483,954	748.748,644	515,782	301°04'14"
6+10,000	PTV5	130,000	7.727.492,519	748.753,805	515,810	301°04'14"
6+16,000		136,000	7.727.497,659	748.756,902	515,845	301°04'14"
7		140,000	7.727.501,085	748.758,966	515,869	301°04'14"
7+6,554	PIV6	146,554	7.727.506,698	748.762,348	515,807	301°04'14"
7+10,054	V7	150,054	7.727.509,696	748.764,155	515,784	301°04'14"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0		0,000	7.727.381,115	748.748,482	512,566	301°14'08"
0+3,500	PIV2	3,500	7.727.384,108	748.750,297	512,606	301°14'08"
0+13,500		13,500	7.727.392,658	748.755,483	513,071	301°14'08"
1		20,000	7.727.398,216	748.758,854	513,413	301°14'08"
1+16,748	PCV3	36,748	7.727.412,536	748.767,538	514,211	301°14'08"
2		40,000	7.727.415,317	748.769,225	514,371	301°14'08"
2+16,748	PTV3	56,748	7.727.429,637	748.777,910	515,120	301°14'08"
3		60,000	7.727.432,418	748.779,596	515,193	301°14'08"
3+13,546	PC2	73,546	7.727.444,000	748.786,620	515,492	301°14'08"
4		80,000	7.727.449,225	748.790,397	515,680	310°28'49"
4+10,000	PCV4	90,000	7.727.455,945	748.797,767	515,815	324°48'15"
5		100,000	7.727.460,633	748.806,571	515,894	339°07'41"
5+1,249	PI3	101,249	7.727.461,060	748.807,745	515,900	340°55'03"
5+10,000	PTV4	110,000	7.727.463,921	748.816,015	516,017	340°55'03"
6		120,000	7.727.467,190	748.825,465	516,116	340°55'03"
6+3,571	PIV5	123,571	7.727.468,357	748.828,840	516,104	340°55'03"
7		140,000	7.727.473,728	748.844,366	516,205	340°55'03"
8		160,000	7.727.480,267	748.863,267	516,133	340°55'03"
9		180,000	7.727.486,805	748.882,168	516,121	340°55'03"
10		200,000	7.727.493,344	748.901,069	516,257	340°55'03"
10+17,262	PIV6	217,262	7.727.498,988	748.917,383	516,290	340°55'03"
11		220,000	7.727.499,883	748.919,970	516,291	340°55'03"
12		240,000	7.727.506,421	748.938,871	516,334	340°55'03"
12+10,000		250,000	7.727.509,691	748.948,322	516,277	340°55'03"
13		260,000	7.727.512,960	748.957,772	516,292	340°55'03"
13+0,328	PIV7	260,328	7.727.513,067	748.958,082	516,282	340°55'03"
13+4,828	PIV8	264,828	7.727.514,538	748.962,334	516,232	340°55'03"
13+9,328	PIV9	269,328	7.727.516,009	748.966,587	516,400	340°55'03"
13+19,000		279,000	7.727.519,171	748.975,728	516,345	340°55'03"
14		280,000	7.727.519,498	748.976,673	516,348	340°55'03"
14+3,586	PI5	283,586	7.727.520,671	748.980,062	516,364	340°55'21"
15		300,000	7.727.526,034	748.995,575	516,672	340°55'38"
16		320,000	7.727.532,570	749.014,477	517,042	340°55'38"
17	PIV10	340,000	7.727.539,105	749.033,379	517,260	340°55'38"
18		360,000	7.727.545,640	749.052,281	517,518	340°55'38"
19		380,000	7.727.552,176	749.071,183	517,654	340°55'38"
19+18,603	PIV11	398,603	7.727.558,255	749.088,765	517,738	340°55'38"
20		400,000	7.727.558,711	749.090,086	517,742	340°55'38"
21		420,000	7.727.565,246	749.108,988	517,903	340°55'38"
21+10,568	PC7	430,568	7.727.568,700	749.118,976	518,013	340°55'38"
21+19,559	PCV12	439,559	7.727.572,384	749.127,164	518,100	330°37'28"
22		440,000	7.727.572,602	749.127,547	518,099	330°07'10"
22+0,434	PI8	440,434	7.727.572,820	749.127,923	518,099	329°37'19"
22+19,559	PTV12	459,559	7.727.582,491	749.144,422	518,108	329°37'19"
23		460,000	7.727.582,714	749.144,802	518,109	329°37'19"
24		480,000	7.727.592,828	749.162,056	518,294	329°37'19"
24+10,000	PCV13	490,000	7.727.597,885	749.170,683	518,401	329°37'19"
24+14,673	PC10	494,673	7.727.600,249	749.174,715	518,455	329°37'19"
25		500,000	7.727.602,693	749.179,445	518,504	335°43'33"
25+1,750		501,750	7.727.603,384	749.181,053	518,517	337°43'54"
25+9,119	PI11	509,119	7.727.605,665	749.188,053	518,560	345°35'42"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
25+10,000	PTV13	510,000	7.727.605,884	749.188,906	518,570	345°35'42"
25+12,234	PCV14	512,234	7.727.606,440	749.191,070	518,596	345°35'42"
26		520,000	7.727.608,372	749.198,592	518,689	345°35'42"
26+12,234	PTV14	532,234	7.727.611,415	749.210,441	518,816	345°35'42"
27		540,000	7.727.613,347	749.217,963	518,860	345°35'42"
28		560,000	7.727.618,323	749.237,334	519,025	345°35'42"
28+8,287	PI12	568,287	7.727.620,385	749.245,361	519,174	346°10'32"
28+13,292	PIV15	573,292	7.727.621,531	749.250,233	519,256	346°45'22"
29		580,000	7.727.623,068	749.256,762	519,299	346°45'22"
29+10,000	PCV16	590,000	7.727.625,359	749.266,496	519,411	346°45'22"
30		600,000	7.727.627,650	749.276,230	519,344	346°45'22"
30+10,000	PTV16	610,000	7.727.629,941	749.285,964	519,293	346°45'22"
30+17,000		617,000	7.727.631,544	749.292,778	519,240	346°45'22"
31		620,000	7.727.632,232	749.295,698	519,217	346°45'22"
31+7,000		627,000	7.727.633,835	749.302,512	519,182	346°45'22"
31+7,486		627,486	7.727.633,947	749.302,985	519,178	346°27'58"
31+17,063	V17	637,063	7.727.636,235	749.312,285	519,102	346°10'33"
32		640,000	7.727.636,937	749.315,137	519,213	346°10'33"
32+1,616	PI-14	641,616	7.727.637,323	749.316,706	519,255	346°10'33"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0	PC1	0,000	7.727.376,656	748.624,846	513,072	0°15'39"
0+15,214	PI2	15,214	7.727.377,358	748.640,037	512,550	354°26'59"
1		20,000	7.727.377,821	748.644,801	512,502	354°26'59"
2		40,000	7.727.379,755	748.664,707	512,396	354°26'59"
2+6,445	PC4	46,445	7.727.380,378	748.671,122	512,375	354°26'59"
2+12,935	V1	52,935	7.727.380,866	748.677,593	512,336	356°55'43"
2+16,805	PI5	56,805	7.727.381,024	748.681,460	512,319	358°24'25"
3		60,000	7.727.381,112	748.684,654	512,321	358°24'25"
3+12,056	PC7	72,056	7.727.381,448	748.696,705	512,345	358°24'25"
4		80,000	7.727.381,605	748.704,647	512,317	359°19'02"
4+0,676	PCV2	80,676	7.727.381,613	748.705,323	512,320	359°23'41"
4+13,685	PI8	93,685	7.727.381,581	748.718,332	512,379	0°53'08"
5		100,000	7.727.381,483	748.724,646	512,406	0°53'08"
5+0,676	PTV2	100,676	7.727.381,473	748.725,322	512,411	0°53'08"
6		120,000	7.727.381,174	748.744,644	512,537	0°53'08"
6+3,839	PI9	123,839	7.727.381,115	748.748,482	512,566	0°58'34"
6+7,077	PC11	127,077	7.727.381,055	748.751,720	512,592	1°03'59"
6+12,868	PCV3	132,868	7.727.381,059	748.757,511	512,634	358°51'16"
7		140,000	7.727.381,371	748.764,635	512,718	356°07'49"
7+12,868	PTV3	152,868	7.727.382,788	748.777,421	513,001	351°12'54"
7+13,929	PI12	153,929	7.727.382,954	748.778,468	513,015	350°48'36"
8		160,000	7.727.383,924	748.784,462	513,189	350°48'36"
9		180,000	7.727.387,118	748.804,205	513,894	350°48'36"
9+0,929	PC14	180,929	7.727.387,266	748.805,122	513,911	350°48'36"
9+12,868	PCV4	192,868	7.727.389,524	748.816,844	514,243	347°23'23"
9+16,316	PI15	196,316	7.727.390,305	748.820,202	514,327	346°24'07"
10		200,000	7.727.391,172	748.823,783	514,418	346°24'07"
10+12,868	PTV4	212,868	7.727.394,197	748.836,290	514,700	346°24'07"
11		220,000	7.727.395,874	748.843,222	514,789	346°24'07"
11+2,424	PC17	222,424	7.727.396,444	748.845,578	514,806	346°24'07"
11+18,462	PI18	238,462	7.727.400,835	748.860,999	514,875	341°48'26"
12		240,000	7.727.401,315	748.862,460	514,871	341°48'26"
12+2,868	PIV5	242,868	7.727.402,211	748.865,185	514,863	341°48'26"
13		260,000	7.727.407,560	748.881,460	514,903	341°48'26"
14		280,000	7.727.413,804	748.900,461	514,998	341°48'26"
15		300,000	7.727.420,048	748.919,461	515,102	341°48'26"
16		320,000	7.727.426,292	748.938,461	515,164	341°48'26"
17		340,000	7.727.432,537	748.957,461	515,253	341°48'26"
17+3,081	PI19	343,081	7.727.433,499	748.960,388	515,310	341°48'26"
17+12,249	PI20	352,249	7.727.436,361	748.969,098	515,425	341°17'08"
18		360,000	7.727.438,915	748.976,416	515,404	340°45'50"
18+2,868	PIV6	362,868	7.727.439,860	748.979,124	515,396	340°45'50"
19		380,000	7.727.445,504	748.995,300	515,454	340°45'50"
20		400,000	7.727.452,093	749.014,183	515,583	340°45'50"
21		420,000	7.727.458,682	749.033,066	515,743	340°45'50"
22		440,000	7.727.465,272	749.051,950	515,818	340°45'50"
23		460,000	7.727.471,861	749.070,833	515,824	340°45'50"
23+10,000	PCV7	470,000	7.727.475,155	749.080,275	515,767	340°45'50"
24		480,000	7.727.478,450	749.089,717	515,682	340°45'50"
24+10,000	PCCV8	490,000	7.727.481,745	749.099,158	515,534	340°45'50"
25		500,000	7.727.485,039	749.108,600	515,190	340°45'50"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
25+10,000	PTV8	510,000	7.727.488,334	749.118,042	514,897	340°45'50"
26		520,000	7.727.491,628	749.127,483	514,748	340°45'50"
27		540,000	7.727.498,218	749.146,367	514,516	340°45'50"
27+17,859	PCV9	557,859	7.727.504,101	749.163,229	514,317	340°45'50"
28		560,000	7.727.504,807	749.165,250	514,288	340°45'50"
28+8,742	PC22	568,742	7.727.507,687	749.173,504	514,199	340°45'50"
28+17,859	PTV9	577,859	7.727.510,950	749.182,016	514,124	337°16'53"
29		580,000	7.727.511,791	749.183,984	514,126	336°27'50"
29+4,292		584,292	7.727.513,561	749.187,894	514,130	334°49'27"
30		600,000	7.727.520,975	749.201,735	514,173	328°49'28"
30+7,959	PI23	607,959	7.727.525,273	749.208,431	514,139	325°47'04"
31	PIV10	620,000	7.727.532,044	749.218,389	514,189	325°47'04"
31+12,868	PCV11	632,868	7.727.539,280	749.229,029	514,230	325°47'04"
32		640,000	7.727.543,291	749.234,927	514,292	325°47'04"
32+12,868	PTV11	652,868	7.727.550,526	749.245,568	514,491	325°47'04"
33		660,000	7.727.554,537	749.251,466	514,589	325°47'04"
34		680,000	7.727.565,783	749.268,004	515,085	325°47'04"
35		700,000	7.727.577,029	749.284,543	515,500	325°47'04"
35+10,091	PCV12	710,091	7.727.582,703	749.292,887	515,720	325°47'04"
36		720,000	7.727.588,275	749.301,081	515,947	325°47'04"
36+3,000		723,000	7.727.589,962	749.303,562	516,041	325°47'04"
36+10,091	PTV12	730,091	7.727.593,949	749.309,426	516,261	325°47'04"
36+13,730	V13	733,730	7.727.595,996	749.312,435	516,430	325°47'04"
37		740,000	7.727.599,522	749.317,620	516,361	325°47'04"
37+8,796	PI-25	748,796	7.727.604,468	749.324,894	516,746	325°47'04"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0	PI-0	0,000	7.727.555,243	748.725,111	515,577	49°23'47"
1		20,000	7.727.540,059	748.738,127	515,593	49°23'47"
1+1,861	V1	21,861	7.727.538,646	748.739,339	515,603	49°23'47"
2		40,000	7.727.524,874	748.751,144	515,713	49°23'47"
2+19,991	PI2	59,991	7.727.509,696	748.764,155	515,784	49°46'44"
3		60,000	7.727.509,690	748.764,160	515,784	50°09'41"
4		80,000	7.727.494,333	748.776,973	515,771	50°09'41"
5		100,000	7.727.478,976	748.789,785	515,820	50°09'41"
5+10,000		110,000	7.727.471,297	748.796,192	515,827	50°09'41"
5+11,998	PIV2	111,998	7.727.469,763	748.797,472	515,832	50°09'41"
6		120,000	7.727.463,619	748.802,598	515,891	50°09'41"
6+0,966	PIV3	120,966	7.727.462,876	748.803,217	515,879	50°09'41"
6+4,466	V4	124,466	7.727.460,190	748.805,459	515,886	50°09'41"

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0	PI-0	0,000	7.727.438,908	748.976,397	515,404	122°30'36"
1		20,000	7.727.422,042	748.965,648	514,987	122°30'36"
1+12,000	PI-1	32,000	7.727.411,922	748.959,199	514,650	122°30'36"

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
0	-5,021	515,275	0,510	-5,020	514,765	-4,500	515,157	-0,30	515,310	515,170	0,140	4,500	515,184	0,30	5,020	514,795	5,021	515,382	0,587
0+3,500	-5,021	515,351	0,481	-5,020	514,870	-4,500	515,262	-0,30	515,408	515,275	0,133	4,500	515,289	0,30	5,020	514,900	5,021	515,438	0,538
0+10,000	-5,021	515,621	0,608	-5,020	515,013	-4,500	515,413	-2,06	515,382	515,506	-0,124	4,500	515,423	-1,85	5,020	515,023	5,020	515,422	0,399
0+13,500	-5,021	515,758	0,676	-5,020	515,082	-4,500	515,488	-3,00	515,405	515,623	-0,218	4,500	515,488	-3,00	5,020	515,082	5,020	515,470	0,388
1	-5,021	515,823	0,563	-5,020	515,260	-4,500	515,666	-3,00	515,448	515,801	-0,353	4,500	515,666	-3,00	5,020	515,260	5,020	515,576	0,316
1+10,000	-5,021	515,941	0,506	-5,020	515,435	-4,500	515,841	-3,00	515,560	515,976	-0,416	4,500	515,841	-3,00	5,020	515,435	5,020	515,857	0,422
2	-5,021	516,018	0,469	-5,020	515,549	-4,500	515,955	-3,00	515,722	516,090	-0,368	4,500	515,955	-3,00	5,020	515,549	5,021	516,187	0,638
3	-5,020	516,074	0,445	-5,020	515,629	-4,500	516,035	-3,00	515,813	516,170	-0,357	4,500	516,035	-3,00	5,020	515,629	5,021	516,299	0,670
3+3,846	-5,021	516,144	0,474	-5,020	515,670	-4,500	516,076	-3,00	515,941	516,211	-0,270	4,500	516,076	-3,00	5,020	515,670	5,021	516,315	0,645
4	-5,020	516,252	0,411	-5,020	515,841	-4,500	516,247	-3,00	516,227	516,382	-0,155	4,500	516,247	-3,00	5,020	515,841	5,021	516,391	0,550
4+3,063	-5,021	516,344	0,470	-5,020	515,874	-4,500	516,279	-3,00	516,224	516,414	-0,190	4,500	516,279	-3,00	5,020	515,874	5,021	516,444	0,570
5	-5,021	516,555	0,502	-5,020	516,053	-4,500	516,459	-3,00	516,468	516,594	-0,126	4,500	516,459	-3,00	5,020	516,053	5,021	516,622	0,569
6	-5,021	516,759	0,494	-5,020	516,265	-4,500	516,671	-3,00	516,703	516,806	-0,103	4,500	516,671	-3,00	5,020	516,265	5,021	516,741	0,476
6+10,723	-5,021	516,906	0,551	-5,020	516,355	-4,500	516,756	-2,09	516,850	516,850	0,000	4,500	516,805	-0,99	5,020	516,410	5,021	516,940	0,530

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
0	-4,021	514,159	0,710	-4,020	513,449	-3,500	513,781	-0,46	514,130	513,797	0,333	3,500	513,813	0,46	4,020	513,485	4,021	514,110	0,625
0+3,500	-4,021	514,321	0,767	-4,020	513,554	-3,500	513,886	-0,46	514,291	513,902	0,389	3,500	513,918	0,46	4,020	513,590	4,021	514,242	0,652
0+10,000	-4,021	514,514	0,629	-4,020	513,885	-3,500	514,226	-2,11	514,389	514,300	0,089	3,500	514,237	-1,79	4,020	513,898	4,021	514,371	0,473
0+13,500	-4,021	514,659	0,600	-4,020	514,059	-3,500	514,405	-3,00	514,566	514,510	0,056	3,500	514,405	-3,00	4,020	514,059	4,020	514,505	0,446
1	-4,021	514,949	0,525	-4,020	514,424	-3,500	514,770	-3,00	514,912	514,875	0,037	3,500	514,770	-3,00	4,020	514,424	4,020	514,870	0,446
1+10,000	-4,021	515,433	0,508	-4,020	514,925	-3,500	515,271	-3,00	515,432	515,376	0,057	3,500	515,271	-3,00	4,020	514,925	4,021	515,434	0,509
2	-4,020	515,838	0,388	-4,020	515,450	-3,500	515,796	-3,00	515,837	515,901	-0,064	3,500	515,796	-3,00	4,020	515,450	4,020	515,834	0,384
2+10,000	-4,020	516,447	0,349	-4,020	516,098	-3,500	516,444	-3,00	516,343	516,549	-0,206	3,500	516,444	-3,00	4,020	516,098	4,020	516,497	0,399
3	-4,020	516,926	0,156	-4,020	516,770	-3,500	517,115	-3,00	516,858	517,220	-0,362	3,500	517,115	-3,00	4,020	516,770	4,020	517,119	0,349
3+10,000	-4,020	517,414	0,050	-4,020	517,364	-3,500	517,710	-3,00	517,458	517,815	-0,357	3,500	517,710	-3,00	4,020	517,364	4,020	517,759	0,395
3+16,000	-4,020	517,758	0,060	-4,020	517,698	-3,500	518,044	-3,00	517,829	518,149	-0,320	3,500	518,044	-3,00	4,020	517,698	4,020	518,014	0,316
4	-4,020	518,001	0,015	-4,020	517,986	-3,500	518,323	-1,37	518,081	518,371	-0,290	3,500	518,288	-2,37	4,020	517,946	4,020	518,171	0,225
4+6,583	-4,085	518,417	-0,043	-4,020	518,460	-3,500	518,783	1,32	518,414	518,737	-0,323	3,500	518,691	-1,32	4,020	518,354	4,020	518,411	0,057
4+10,083	-4,072	518,530	-0,035	-4,020	518,565	-3,500	518,888	1,32	518,517	518,842	-0,325	3,500	518,796	-1,32	4,020	518,459	4,020	518,503	0,044

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
0	-4,020	512,350	0,368	-4,020	511,982	-3,500	512,309	0,47	512,356	512,293	0,063	3,500	512,277	-0,47	4,020	511,944	4,020	512,358	0,414
0+3,500	-4,021	512,397	0,520	-4,020	511,877	-3,500	512,204	0,47	512,404	512,188	0,216	3,500	512,172	-0,47	4,020	511,839	4,021	512,394	0,555
0+14,000	-4,021	513,054	0,793	-4,020	512,261	-3,500	512,607	-3,00	512,704	512,712	-0,008	3,500	512,607	-3,00	4,020	512,261	4,020	512,589	0,328
1	-4,021	513,036	0,476	-4,020	512,560	-3,500	512,906	-3,00	512,916	513,011	-0,095	3,500	512,906	-3,00	4,020	512,560	4,020	512,919	0,359
1+10,000	-4,021	513,672	0,613	-4,020	513,059	-3,500	513,404	-3,00	513,394	513,509	-0,115	3,500	513,404	-3,00	4,020	513,059	4,020	513,472	0,413
2	-4,021	514,366	0,848	-4,020	513,518	-3,500	513,864	-3,00	514,008	513,969	0,039	3,500	513,864	-3,00	4,020	513,518	4,021	514,024	0,506
2+10,000	-4,021	514,508	0,610	-4,020	513,898	-3,500	514,244	-3,00	514,373	514,349	0,024	3,500	514,244	-3,00	4,020	513,898	4,021	514,482	0,584
3	-4,021	514,783	0,544	-4,020	514,239	-3,500	514,585	-3,00	514,688	514,690	-0,002	3,500	514,585	-3,00	4,020	514,239	4,021	514,691	0,452
3+10,000	-4,021	515,172	0,592	-4,020	514,580	-3,500	514,926	-3,00	515,051	515,031	0,020	3,500	514,926	-3,00	4,020	514,580	4,021	515,065	0,485
4	-4,021	515,413	0,553	-4,020	514,860	-3,500	515,206	-3,00	515,320	515,311	0,009	3,500	515,206	-3,00	4,020	514,860	4,021	515,367	0,507
4+10,000	-4,021	515,469	0,451	-4,020	515,018	-3,500	515,363	-3,00	515,458	515,468	-0,010	3,500	515,363	-3,00	4,020	515,018	4,021	515,593	0,575
5	-4,021	515,693	0,579	-4,020	515,114	-3,500	515,460	-3,00	515,604	515,565	0,040	3,500	515,460	-3,00	4,020	515,114	4,021	515,667	0,553
5+10,000	-4,021	515,883	0,673	-4,020	515,210	-3,500	515,556	-3,00	515,752	515,661	0,091	3,500	515,556	-3,00	4,020	515,210	4,021	515,730	0,520
6	-4,021	515,868	0,596	-4,020	515,272	-3,500	515,618	-3,00	515,782	515,723	0,059	3,500	515,618	-3,00	4,020	515,272	4,021	515,808	0,536
6+10,000	-4,021	515,852	0,586	-4,020	515,266	-3,500	515,612	-3,00	515,810	515,717	0,093	3,500	515,612	-3,00	4,020	515,266	4,021	515,868	0,602
6+16,000	-4,021	515,903	0,660	-4,020	515,243	-3,500	515,588	-3,00	515,845	515,693	0,152	3,500	515,588	-3,00	4,020	515,243	4,021	515,872	0,629
7	-4,021	515,922	0,656	-4,020	515,266	-3,500	515,607	-2,01	515,869	515,677	0,192	3,500	515,617	-1,71	4,020	515,278	4,021	515,875	0,597
7+6,554	-4,021	515,832	0,527	-4,020	515,305	-3,500	515,637	-0,40	515,807	515,651	0,156	3,500	515,665	0,40	4,020	515,337	4,020	515,786	0,449
7+10,054	-4,020	515,801	0,391	-4,020	515,410	-3,500	515,742	-0,40	515,784	515,756	0,028	3,500	515,770	0,40	4,020	515,442	4,020	515,756	0,314

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
0	-4,020	512,562	0,432	-4,020	512,130	-3,500	512,466	-1,04	512,566	512,502	0,064	3,500	512,538	1,04	4,020	512,214	4,020	512,648	0,434
0+3,500	-4,020	512,606	0,371	-4,020	512,235	-3,500	512,571	-1,04	512,606	512,607	-0,001	3,500	512,643	1,04	4,020	512,319	4,020	512,616	0,297
0+13,500	-4,021	513,381	0,681	-4,020	512,700	-3,500	513,045	-3,00	513,071	513,150	-0,079	3,500	513,045	-3,00	4,020	512,700	4,020	512,958	0,258
1	-4,021	513,720	0,667	-4,020	513,053	-3,500	513,399	-3,00	513,413	513,504	-0,091	3,500	513,399	-3,00	4,020	513,053	4,020	513,355	0,302
1+16,748	-4,021	514,616	0,653	-4,020	513,963	-3,500	514,309	-3,00	514,211	514,414	-0,203	3,500	514,309	-3,00	4,020	513,963	4,021	514,591	0,628
2	-4,021	514,775	0,644	-4,020	514,131	-3,500	514,477	-3,00	514,371	514,582	-0,211	3,500	514,477	-3,00	4,020	514,131	4,021	514,823	0,692
2+16,748	-4,021	515,208	0,485	-4,020	514,723	-3,500	515,068	-3,00	515,120	515,173	-0,053	3,500	515,068	-3,00	4,020	514,723	4,020	515,147	0,424
3	-4,021	515,278	0,485	-4,020	514,793	-3,500	515,139	-3,00	515,193	515,244	-0,051	3,500	515,139	-3,00	4,020	514,793	4,020	515,241	0,448
3+13,546	-4,021	515,632	0,546	-4,020	515,086	-3,500	515,432	-3,00	515,492	515,537	-0,045	3,500	515,432	-3,00	4,020	515,086	4,021	515,572	0,486
4	-4,021	515,722	0,496	-4,020	515,226	-3,500	515,571	-3,00	515,680	515,676	0,004	3,500	515,571	-3,00	4,020	515,226	4,021	515,783	0,557
4+10,000	-4,020	515,844	0,402	-4,020	515,442	-3,500	515,788	-3,00	515,815	515,893	-0,078	3,500	515,788	-3,00	4,020	515,442	4,020	515,780	0,338
5	-4,020	515,886	0,292	-4,020	515,594	-3,500	515,940	-3,00	515,894	516,045	-0,151	3,500	515,940	-3,00	4,020	515,594	4,020	515,991	0,397
5+1,249	-4,020	515,893	0,289	-4,020	515,604	-3,500	515,950	-3,00	515,900	516,055	-0,155	3,500	515,950	-3,00	4,020	515,604	4,020	515,992	0,388
5+10,000	-4,020	515,953	0,334	-4,020	515,619	-3,500	515,964	-3,00	516,017	516,069	-0,052	3,500	515,964	-3,00	4,020	515,619	4,020	516,061	0,442
6	-4,021	516,123	0,544	-4,020	515,579	-3,500	515,924	-3,00	516,116	516,029	0,087	3,500	515,924	-3,00	4,020	515,579	4,021	516,187	0,608
6+3,571	-4,021	516,183	0,619	-4,020	515,564	-3,500	515,910	-3,00	516,104	516,015	0,089	3,500	515,910	-3,00	4,020	515,564	4,021	516,201	0,637
7	-4,021	516,156	0,526	-4,020	515,630	-3,500	515,976	-3,00	516,205	516,081	0,124	3,500	515,976	-3,00	4,020	515,630	4,021	516,217	0,587
8	-4,021	516,232	0,522	-4,020	515,710	-3,500	516,056	-3,00	516,133	516,161	-0,028	3,500	516,056	-3,00	4,020	515,710	4,020	516,159	0,449
9	-4,020	516,058	0,268	-4,020	515,790	-3,500	516,136	-3,00	516,121	516,241	-0,120	3,500	516,136	-3,00	4,020	515,790	4,020	516,133	0,343
10	-4,020	516,275	0,405	-4,020	515,870	-3,500	516,216	-3,00	516,257	516,321	-0,064	3,500	516,216	-3,00	4,020	515,870	4,020	516,193	0,323
10+17,262	-4,020	516,369	0,430	-4,020	515,939	-3,500	516,285	-3,00	516,290	516,390	-0,100	3,500	516,285	-3,00	4,020	515,939	4,020	516,325	0,386
11	-4,020	516,375	0,444	-4,020	515,931	-3,500	516,277	-3,00	516,291	516,382	-0,091	3,500	516,277	-3,00	4,020	515,931	4,020	516,343	0,412
12	-4,020	516,291	0,420	-4,020	515,871	-3,500	516,217	-3,00	516,334	516,322	0,012	3,500	516,217	-3,00	4,020	515,871	4,021	516,388	0,517
12+10,000	-4,021	516,402	0,561	-4,020	515,841	-3,500	516,187	-3,00	516,277	516,292	-0,015	3,500	516,187	-3,00	4,020	515,841	4,021	516,293	0,452
13	-4,020	516,389	0,420	-4,020	515,969	-3,500	516,295	0,93	516,292	516,262	0,030	3,500	516,223	-1,12	4,020	515,887	4,020	516,301	0,414
13+0,328	-4,020	516,379	0,405	-4,020	515,974	-3,500	516,298	1,06	516,282	516,261	0,021	3,500	516,224	-1,06	4,020	515,888	4,020	516,305	0,417
13+4,828	-4,020	516,214	0,105	-4,020	516,109	-3,500	516,433	1,06	516,232	516,396	-0,164	3,500	516,359	-1,06	4,020	516,023	4,020	516,214	0,191
13+9,328	-4,021	516,485	0,511	-4,020	515,974	-3,500	516,298	1,06	516,400	516,261	0,139	3,500	516,224	-1,06	4,020	515,888	4,021	516,393	0,505
13+19,000	-4,021	516,497	0,540	-4,020	515,957	-3,500	516,303	-3,00	516,345	516,408	-0,063	3,500	516,303	-3,00	4,020	515,957	4,021	516,526	0,569
14	-4,021	516,509	0,537	-4,020	515,972	-3,500	516,318	-3,00	516,348	516,423	-0,075	3,500	516,318	-3,00	4,020	515,972	4,021	516,539	0,567
14+3,586	-4,021	516,545	0,519	-4,020	516,026	-3,500	516,372	-3,00	516,364	516,477	-0,113	3,500	516,372	-3,00	4,020	516,026	4,021	516,587	0,561

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
15	-4,021	516,801	0,526	-4,020	516,275	-3,500	516,621	-3,00	516,672	516,726	-0,054	3,500	516,621	-3,00	4,020	516,275	4,020	516,716	0,441
16	-4,021	517,121	0,543	-4,020	516,578	-3,500	516,924	-3,00	517,042	517,029	0,013	3,500	516,924	-3,00	4,020	516,578	4,021	517,029	0,451
17	-4,021	517,331	0,450	-4,020	516,881	-3,500	517,227	-3,00	517,260	517,332	-0,072	3,500	517,227	-3,00	4,020	516,881	4,020	517,310	0,429
18	-4,021	517,643	0,592	-4,020	517,051	-3,500	517,396	-3,00	517,518	517,501	0,017	3,500	517,396	-3,00	4,020	517,051	4,020	517,442	0,391
19	-4,021	517,788	0,568	-4,020	517,220	-3,500	517,566	-3,00	517,654	517,671	-0,017	3,500	517,566	-3,00	4,020	517,220	4,020	517,635	0,415
19+18,603	-4,021	517,899	0,522	-4,020	517,377	-3,500	517,723	-3,00	517,738	517,828	-0,090	3,500	517,723	-3,00	4,020	517,377	4,020	517,762	0,385
20	-4,021	517,908	0,526	-4,020	517,382	-3,500	517,727	-3,00	517,742	517,832	-0,090	3,500	517,727	-3,00	4,020	517,382	4,020	517,769	0,387
21	-4,021	518,069	0,627	-4,020	517,442	-3,500	517,787	-3,00	517,903	517,892	0,011	3,500	517,787	-3,00	4,020	517,442	4,020	517,858	0,416
21+10,568	-4,021	518,116	0,643	-4,020	517,473	-3,500	517,819	-3,00	518,013	517,924	0,089	3,500	517,819	-3,00	4,020	517,473	4,021	518,030	0,557
21+19,559	-4,021	518,156	0,656	-4,020	517,500	-3,500	517,846	-3,00	518,100	517,951	0,149	3,500	517,846	-3,00	4,020	517,500	4,021	518,029	0,529
22	-4,021	518,156	0,654	-4,020	517,502	-3,500	517,847	-3,00	518,099	517,952	0,147	3,500	517,847	-3,00	4,020	517,502	4,021	518,034	0,532
22+0,434	-4,021	518,156	0,653	-4,020	517,503	-3,500	517,849	-3,00	518,099	517,954	0,145	3,500	517,849	-3,00	4,020	517,503	4,021	518,039	0,536
22+19,559	-4,021	518,210	0,494	-4,020	517,716	-3,500	518,062	-3,00	518,108	518,167	-0,059	3,500	518,062	-3,00	4,020	517,716	4,020	518,065	0,349
23	-4,021	518,210	0,485	-4,020	517,725	-3,500	518,070	-3,00	518,109	518,175	-0,066	3,500	518,070	-3,00	4,020	517,725	4,020	518,065	0,340
24	-4,020	518,385	0,289	-4,020	518,096	-3,500	518,442	-3,00	518,294	518,547	-0,253	3,500	518,442	-3,00	4,020	518,096	4,024	518,094	-0,002
24+10,000	-4,020	518,559	0,277	-4,020	518,282	-3,500	518,628	-3,00	518,401	518,733	-0,332	3,500	518,628	-3,00	4,020	518,282	4,263	518,120	-0,162
24+14,673	-4,020	518,592	0,240	-4,020	518,352	-3,500	518,698	-3,00	518,455	518,803	-0,348	3,500	518,698	-3,00	4,020	518,352	4,076	518,315	-0,037
25	-4,020	518,638	0,249	-4,020	518,389	-3,500	518,735	-3,00	518,504	518,840	-0,336	3,500	518,735	-3,00	4,020	518,389	4,020	518,396	0,007
25+1,750	-4,020	518,684	0,251	-4,020	518,433	-3,500	518,774	-1,95	518,517	518,842	-0,325	3,500	518,737	-3,00	4,020	518,391	4,020	518,407	0,016
25+9,119	-4,020	518,789	0,221	-4,020	518,568	-3,500	518,885	2,47	518,560	518,798	-0,238	3,500	518,693	-3,00	4,020	518,348	4,020	518,510	0,162
25+10,000	-4,020	518,802	0,224	-4,020	518,578	-3,500	518,892	3,00	518,570	518,787	-0,217	3,500	518,682	-3,00	4,020	518,337	4,020	518,526	0,189
25+12,234	-4,020	518,834	0,286	-4,020	518,548	-3,500	518,863	3,00	518,596	518,758	-0,162	3,500	518,653	-3,00	4,020	518,307	4,020	518,567	0,260
26	-4,021	518,945	0,461	-4,020	518,484	-3,500	518,798	3,00	518,689	518,693	-0,004	3,500	518,588	-3,00	4,020	518,243	4,021	518,708	0,465
26+12,234	-4,021	519,024	0,489	-4,020	518,535	-3,500	518,849	3,00	518,816	518,744	0,072	3,500	518,639	-3,00	4,020	518,294	4,021	518,887	0,593
27	-4,020	519,075	0,448	-4,020	518,627	-3,500	518,941	3,00	518,860	518,836	0,024	3,500	518,731	-3,00	4,020	518,386	4,021	518,963	0,577
28	-4,021	519,351	0,488	-4,020	518,863	-3,500	519,178	3,00	519,025	519,073	-0,048	3,500	518,968	-3,00	4,020	518,622	4,021	519,111	0,489
28+8,287	-4,020	519,375	0,414	-4,020	518,961	-3,500	519,276	3,00	519,174	519,171	0,003	3,500	519,066	-3,00	4,020	518,720	4,020	519,135	0,415
28+13,292	-4,020	519,295	0,274	-4,020	519,021	-3,500	519,335	3,00	519,256	519,230	0,026	3,500	519,125	-3,00	4,020	518,779	4,020	519,135	0,356
29	-4,020	519,289	0,240	-4,020	519,049	-3,500	519,364	3,00	519,299	519,259	0,040	3,500	519,154	-3,00	4,020	518,808	4,020	518,987	0,179
29+10,000	-4,020	519,420	0,327	-4,020	519,093	-3,500	519,407	3,00	519,411	519,302	0,109	3,500	519,197	-3,00	4,020	518,851	4,021	519,418	0,567
30	-4,021	519,618	0,510	-4,020	519,108	-3,500	519,423	3,00	519,344	519,318	0,026	3,500	519,213	-3,00	4,020	518,867	4,020	519,287	0,420

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
30+10,000	-4,020	519,488	0,418	-4,020	519,070	-3,500	519,384	3,00	519,293	519,279	0,014	3,500	519,174	-3,00	4,020	518,829	4,021	519,481	0,652
30+17,000	-4,021	519,480	0,456	-4,020	519,024	-3,500	519,339	3,00	519,240	519,234	0,006	3,500	519,129	-3,00	4,020	518,783	4,021	519,349	0,566
31	-4,021	519,477	0,473	-4,020	519,004	-3,500	519,319	3,00	519,217	519,214	0,003	3,500	519,109	-3,00	4,020	518,763	4,021	519,277	0,514
31+7,000	-4,021	519,554	0,595	-4,020	518,959	-3,500	519,273	3,00	519,182	519,168	0,014	3,500	519,063	-3,00	4,020	518,717	4,020	519,100	0,383
31+7,486	-4,021	519,548	0,585	-4,020	518,963	-3,500	519,277	3,19	519,178	519,165	0,013	3,500	519,053	-3,19	4,020	518,706	4,020	519,077	0,371
31+17,063	-4,020	519,322	0,269	-4,020	519,053	-3,500	519,347	6,99	519,102	519,102	0,000	3,500	518,857	-6,99	4,020	518,491	4,020	518,797	0,306

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
2+12,935	-4,020	512,391	0,324	-4,020	512,067	-3,500	512,441	3,00	512,336	512,336	0,000	3,500	512,231	-3,00	4,020	511,825	4,021	512,326	0,501
2+16,805	-4,020	512,353	0,305	-4,020	512,048	-3,500	512,423	3,00	512,319	512,318	0,001	3,500	512,213	-3,00	4,020	511,807	4,021	512,340	0,533
3	-4,020	512,394	0,361	-4,020	512,033	-3,500	512,408	3,00	512,321	512,303	0,018	3,500	512,198	-3,00	4,020	511,792	4,021	512,322	0,530
3+12,056	-4,020	512,364	0,388	-4,020	511,976	-3,500	512,351	3,00	512,345	512,246	0,099	3,500	512,141	-3,00	4,020	511,735	4,021	512,538	0,803
4	-4,021	512,483	0,544	-4,020	511,939	-3,500	512,313	3,00	512,317	512,208	0,109	3,500	512,103	-3,00	4,020	511,698	4,021	512,490	0,792
4+0,676	-4,021	512,470	0,534	-4,020	511,936	-3,500	512,310	3,00	512,320	512,205	0,115	3,500	512,100	-3,00	4,020	511,695	4,021	512,484	0,789
4+13,685	-4,020	512,335	0,397	-4,020	511,938	-3,500	512,313	3,00	512,379	512,208	0,171	3,500	512,103	-3,00	4,020	511,697	4,021	512,425	0,728
5	-4,020	512,387	0,402	-4,020	511,985	-3,500	512,360	3,00	512,406	512,255	0,151	3,500	512,150	-3,00	4,020	511,744	4,021	512,469	0,725
5+0,676	-4,020	512,398	0,406	-4,020	511,992	-3,500	512,367	3,00	512,411	512,262	0,149	3,500	512,157	-3,00	4,020	511,751	4,021	512,473	0,722
6	-4,020	512,580	0,387	-4,020	512,193	-3,500	512,567	3,00	512,537	512,462	0,075	3,500	512,357	-3,00	4,020	511,951	4,021	512,604	0,653
6+3,839	-4,020	512,605	0,373	-4,020	512,232	-3,500	512,607	3,00	512,566	512,502	0,064	3,500	512,397	-3,00	4,020	511,991	4,021	512,648	0,657
6+7,077	-4,020	512,626	0,360	-4,020	512,266	-3,500	512,640	3,00	512,592	512,535	0,057	3,500	512,430	-3,00	4,020	512,025	4,021	512,686	0,661
6+12,868	-4,020	512,663	0,337	-4,020	512,326	-3,500	512,700	3,00	512,634	512,595	0,039	3,500	512,490	-3,00	4,020	512,085	4,021	512,750	0,665
7	-4,021	513,004	0,579	-4,020	512,425	-3,500	512,799	3,00	512,718	512,694	0,024	3,500	512,589	-3,00	4,020	512,183	4,021	512,817	0,634
7+12,868	-4,021	513,191	0,463	-4,020	512,728	-3,500	513,102	3,00	513,001	512,997	0,004	3,500	512,892	-3,00	4,020	512,487	4,021	513,010	0,523
7+13,929	-4,021	513,230	0,471	-4,020	512,759	-3,500	513,134	3,00	513,015	513,029	-0,014	3,500	512,924	-3,00	4,020	512,518	4,021	513,050	0,532
8	-4,021	513,468	0,528	-4,020	512,940	-3,500	513,315	3,00	513,189	513,210	-0,021	3,500	513,105	-3,00	4,020	512,699	4,021	513,236	0,537
9	-4,021	514,032	0,495	-4,020	513,537	-3,500	513,911	3,00	513,894	513,806	0,088	3,500	513,701	-3,00	4,020	513,296	4,021	513,800	0,504
9+0,929	-4,021	514,054	0,490	-4,020	513,564	-3,500	513,939	3,00	513,911	513,834	0,077	3,500	513,729	-3,00	4,020	513,323	4,021	513,832	0,509
9+12,868	-4,020	514,356	0,436	-4,020	513,920	-3,500	514,295	3,00	514,243	514,190	0,053	3,500	514,085	-3,00	4,020	513,679	4,021	514,179	0,500
9+16,316	-4,020	514,447	0,430	-4,020	514,017	-3,500	514,392	3,00	514,327	514,287	0,040	3,500	514,182	-3,00	4,020	513,776	4,021	514,295	0,519
10	-4,020	514,524	0,417	-4,020	514,107	-3,500	514,482	3,00	514,418	514,377	0,041	3,500	514,272	-3,00	4,020	513,866	4,021	514,421	0,555
10+12,868	-4,021	514,902	0,588	-4,020	514,314	-3,500	514,688	3,00	514,700	514,583	0,117	3,500	514,478	-3,00	4,020	514,073	4,021	514,688	0,615
11	-4,021	514,980	0,598	-4,020	514,382	-3,500	514,756	3,00	514,789	514,651	0,138	3,500	514,546	-3,00	4,020	514,141	4,021	514,782	0,641
11+2,424	-4,021	514,987	0,582	-4,020	514,405	-3,500	514,779	3,00	514,806	514,674	0,132	3,500	514,569	-3,00	4,020	514,164	4,021	514,777	0,613
11+18,462	-4,020	514,983	0,425	-4,020	514,558	-3,500	514,932	3,00	514,875	514,827	0,048	3,500	514,722	-3,00	4,020	514,316	4,020	514,749	0,433
12	-4,020	514,969	0,397	-4,020	514,572	-3,500	514,947	3,00	514,871	514,842	0,029	3,500	514,737	-3,00	4,020	514,331	4,020	514,733	0,402
12+2,868	-4,020	514,945	0,345	-4,020	514,600	-3,500	514,974	3,00	514,863	514,869	-0,006	3,500	514,764	-3,00	4,020	514,358	4,020	514,700	0,342
13	-4,020	514,992	0,341	-4,020	514,651	-3,500	515,025	3,00	514,903	514,920	-0,017	3,500	514,815	-3,00	4,020	514,410	4,020	514,746	0,336
14	-4,020	515,041	0,330	-4,020	514,711	-3,500	515,085	3,00	514,998	514,980	0,018	3,500	514,875	-3,00	4,020	514,470	4,021	515,003	0,533
15	-4,020	515,103	0,332	-4,020	514,771	-3,500	515,145	3,00	515,102	515,040	0,062	3,500	514,935	-3,00	4,020	514,530	4,021	515,115	0,585

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
16	-4,020	515,215	0,384	-4,020	514,831	-3,500	515,205	3,00	515,164	515,100	0,064	3,500	514,995	-3,00	4,020	514,590	4,021	515,264	0,674
17	-4,021	515,357	0,466	-4,020	514,891	-3,500	515,265	3,00	515,253	515,160	0,093	3,500	515,055	-3,00	4,020	514,650	4,021	515,210	0,560
17+3,081	-4,021	515,403	0,503	-4,020	514,900	-3,500	515,275	3,00	515,310	515,170	0,140	3,500	515,065	-3,00	4,020	514,659	4,021	515,275	0,616
17+12,249	-4,021	515,451	0,523	-4,020	514,928	-3,500	515,302	3,00	515,425	515,197	0,228	3,500	515,092	-3,00	4,020	514,687	4,021	515,382	0,695
18	-4,021	515,415	0,464	-4,020	514,951	-3,500	515,325	3,00	515,404	515,220	0,184	3,500	515,115	-3,00	4,020	514,710	4,021	515,404	0,694
18+2,868	-4,021	515,432	0,472	-4,020	514,960	-3,500	515,334	3,00	515,396	515,229	0,167	3,500	515,124	-3,00	4,020	514,718	4,021	515,409	0,691
19	-4,020	515,500	0,401	-4,020	515,099	-3,500	515,473	3,00	515,454	515,368	0,086	3,500	515,263	-3,00	4,020	514,858	4,021	515,368	0,510
20	-4,020	515,620	0,358	-4,020	515,262	-3,500	515,636	3,00	515,583	515,531	0,052	3,500	515,426	-3,00	4,020	515,021	4,021	515,502	0,481
21	-4,020	515,820	0,396	-4,020	515,424	-3,500	515,799	3,00	515,743	515,694	0,049	3,500	515,589	-3,00	4,020	515,183	4,021	515,666	0,483
22	-4,020	515,935	0,348	-4,020	515,587	-3,500	515,962	3,00	515,818	515,857	-0,039	3,500	515,752	-3,00	4,020	515,346	4,020	515,699	0,353
23	-4,020	515,953	0,203	-4,020	515,750	-3,500	516,124	3,00	515,824	516,019	-0,195	3,500	515,914	-3,00	4,020	515,509	4,020	515,672	0,163
23+10,000	-4,020	515,937	0,106	-4,020	515,831	-3,500	516,206	3,00	515,767	516,101	-0,334	3,500	515,996	-3,00	4,020	515,590	4,020	515,717	0,127
24	-4,020	515,867	0,110	-4,020	515,757	-3,500	516,131	3,00	515,682	516,026	-0,344	3,500	515,921	-3,00	4,020	515,515	4,020	515,640	0,125
24+10,000	-4,020	515,758	0,388	-4,020	515,370	-3,500	515,745	3,00	515,534	515,640	-0,106	3,500	515,535	-3,00	4,020	515,129	4,020	515,445	0,316
25	-4,021	515,563	0,650	-4,020	514,913	-3,500	515,287	3,00	515,190	515,182	0,008	3,500	515,077	-3,00	4,020	514,671	4,021	515,179	0,508
25+10,000	-4,021	515,444	0,819	-4,020	514,625	-3,500	514,999	3,00	514,897	514,894	0,003	3,500	514,789	-3,00	4,020	514,384	4,021	514,906	0,522
26	-4,021	515,273	0,851	-4,020	514,422	-3,500	514,796	3,00	514,748	514,691	0,057	3,500	514,586	-3,00	4,020	514,181	4,021	514,700	0,519
27	-4,021	514,701	0,684	-4,020	514,017	-3,500	514,391	3,00	514,516	514,286	0,230	3,500	514,181	-3,00	4,020	513,775	4,021	514,406	0,631
27+17,859	-4,021	514,526	0,872	-4,020	513,654	-3,500	514,029	3,00	514,317	513,924	0,393	3,500	513,819	-3,00	4,020	513,413	4,021	514,224	0,811
28	-4,021	514,521	0,907	-4,020	513,614	-3,500	513,988	3,00	514,288	513,883	0,405	3,500	513,778	-3,00	4,020	513,373	4,021	514,208	0,835
28+8,742	-4,021	514,358	0,851	-4,020	513,507	-3,500	513,882	3,00	514,199	513,777	0,422	3,500	513,672	-3,00	4,020	513,266	4,021	514,112	0,846
28+17,859	-4,021	514,244	0,746	-4,020	513,498	-3,500	513,872	3,00	514,124	513,767	0,357	3,500	513,662	-3,00	4,020	513,257	4,021	514,034	0,777
29	-4,021	514,264	0,756	-4,020	513,508	-3,500	513,882	3,00	514,126	513,777	0,349	3,500	513,672	-3,00	4,020	513,267	4,021	514,023	0,756
29+4,292	-4,021	514,322	0,794	-4,020	513,528	-3,500	513,902	3,00	514,130	513,797	0,333	3,500	513,692	-3,00	4,020	513,286	4,021	514,009	0,723
30	-4,021	514,421	0,821	-4,020	513,600	-3,500	513,975	3,00	514,173	513,870	0,303	3,500	513,765	-3,00	4,020	513,359	4,021	513,974	0,615
30+7,959	-4,021	514,322	0,685	-4,020	513,637	-3,500	514,011	3,00	514,139	513,906	0,233	3,500	513,801	-3,00	4,020	513,396	4,021	513,958	0,562
31	-4,021	514,201	0,508	-4,020	513,693	-3,500	514,067	3,00	514,189	513,962	0,227	3,500	513,857	-3,00	4,020	513,451	4,021	514,088	0,637
31+12,868	-4,021	514,391	0,590	-4,020	513,801	-3,500	514,175	3,00	514,230	514,070	0,160	3,500	513,965	-3,00	4,020	513,559	4,021	514,265	0,706
32	-4,021	514,624	0,738	-4,020	513,886	-3,500	514,261	3,00	514,292	514,156	0,136	3,500	514,051	-3,00	4,020	513,645	4,021	514,307	0,662
32+12,868	-4,021	514,888	0,716	-4,020	514,172	-3,500	514,547	3,00	514,491	514,442	0,049	3,500	514,337	-3,00	4,020	513,931	4,020	514,011	0,080
33	-4,021	514,974	0,596	-4,020	514,378	-3,500	514,752	3,00	514,589	514,647	-0,058	3,500	514,542	-3,00	4,020	514,136	4,052	514,115	-0,021

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
34	-4,020	515,252	0,299	-4,020	514,953	-3,500	515,327	3,00	515,085	515,222	-0,137	3,500	515,117	-3,00	4,020	514,712	4,020	515,014	0,302
35	-4,020	515,671	0,142	-4,020	515,529	-3,500	515,903	3,00	515,500	515,798	-0,298	3,500	515,693	-3,00	4,020	515,287	4,020	515,498	0,211
35+10,091	-4,020	516,034	0,215	-4,020	515,819	-3,500	516,193	3,00	515,720	516,088	-0,368	3,500	515,983	-3,00	4,020	515,578	4,020	515,691	0,113
36	-4,020	516,318	0,275	-4,020	516,043	-3,500	516,417	3,00	515,947	516,312	-0,365	3,500	516,207	-3,00	4,020	515,802	4,020	515,890	0,088
36+3,000	-4,020	516,373	0,286	-4,020	516,087	-3,500	516,461	3,00	516,041	516,356	-0,315	3,500	516,251	-3,00	4,020	515,846	4,020	515,980	0,134
36+10,091	-4,021	516,573	0,561	-4,020	516,012	-3,500	516,404	-0,34	516,261	516,416	-0,155	3,500	516,192	-6,38	4,020	515,769	4,020	516,186	0,417
36+13,730	-4,021	516,591	0,634	-4,020	515,957	-3,500	516,358	-2,06	516,430	516,430	0,000	3,500	516,146	-8,11	4,020	515,714	4,021	516,274	0,560

Estaca	Lado Esquerdo								Eixo			Lado Direito							
	Offset da Regularização			Lateral		Bordo			Cota	Cota	Cota	Bordo			Lateral		Offset da Regularização		
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
1+1,861	-4,021	515,667	0,515	-4,020	515,152	-3,500	515,498	-3,00	515,603	515,603	0,000	3,500	515,498	-3,00	4,020	515,152	4,021	515,739	0,587
2	-4,021	515,767	0,542	-4,020	515,225	-3,500	515,571	-3,00	515,713	515,676	0,037	3,500	515,571	-3,00	4,020	515,225	4,021	515,839	0,614
2+19,991	-4,021	515,818	0,513	-4,020	515,305	-3,500	515,651	-3,00	515,784	515,756	0,028	3,500	515,651	-3,00	4,020	515,305	4,021	515,817	0,512
3	-4,021	515,818	0,513	-4,020	515,305	-3,500	515,651	-3,00	515,784	515,756	0,028	3,500	515,651	-3,00	4,020	515,305	4,021	515,817	0,512
4	-4,021	515,835	0,450	-4,020	515,385	-3,500	515,731	-3,00	515,771	515,836	-0,065	3,500	515,731	-3,00	4,020	515,385	4,021	515,921	0,536
5	-4,020	515,877	0,412	-4,020	515,465	-3,500	515,811	-3,00	515,820	515,916	-0,096	3,500	515,811	-3,00	4,020	515,465	4,020	515,874	0,409
5+10,000	-4,020	515,871	0,366	-4,020	515,505	-3,500	515,851	-3,00	515,827	515,956	-0,129	3,500	515,851	-3,00	4,020	515,505	4,020	515,922	0,417
5+11,998	-4,020	515,917	0,397	-4,020	515,520	-3,500	515,864	-2,85	515,832	515,964	-0,132	3,500	515,876	-2,53	4,020	515,532	4,020	515,887	0,355
6	-4,021	515,977	0,465	-4,020	515,512	-3,500	515,854	-2,23	515,891	515,932	-0,041	3,500	515,910	-0,63	4,020	515,577	4,020	515,869	0,292
6+0,966	-4,020	515,915	0,404	-4,020	515,511	-3,500	515,852	-2,16	515,879	515,928	-0,049	3,500	515,914	-0,40	4,020	515,582	4,020	515,860	0,278
6+4,466	-4,020	515,921	0,305	-4,020	515,616	-3,500	515,957	-2,16	515,886	516,033	-0,147	3,500	516,019	-0,40	4,020	515,687	4,020	515,844	0,157

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto					
Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0	5,383	0,000			
			1,750	18,555	0,000
0+3,500	5,220	0,000			
			3,250	29,474	0,000
0+10,000	3,849	0,000			
			1,750	12,675	0,000
0+13,500	3,394	0,000			
			3,250	18,135	0,000
1	2,186	0,000			
			5,000	20,300	0,045
1+10,000	1,874	0,009			
			5,000	21,375	0,045
2	2,401	0,000			
			10,000	51,050	0,000
3	2,704	0,000			
			1,923	11,136	0,000
3+3,846	3,087	0,000			
			8,077	53,227	0,000
4	3,503	0,000			
			1,532	10,558	0,000
4+3,063	3,391	0,000			
			8,469	61,498	0,000
5	3,871	0,000			
			10,000	75,860	0,000
6	3,715	0,000			
			5,362	42,050	0,000
6+10,723	4,128	0,000			

	Corte	Aterro
Áreas	48,7060 m ²	0,009 m ²
Volumes	425,893 m ³	0,090 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0	5,388	0,000			
			1,750	19,497	0,000
0+3,500	5,753	0,000			
			3,250	30,855	0,000
0+10,000	3,741	0,000			
			1,750	12,826	0,000
0+13,500	3,588	0,000			
			3,250	22,376	0,000
1	3,297	0,000			
			5,000	33,730	0,000
1+10,000	3,449	0,000			
			5,000	30,595	0,000
2	2,670	0,000			
			5,000	22,050	0,000
2+10,000	1,740	0,000			
			5,000	12,840	0,185
3	0,828	0,037			
			5,000	8,335	0,320
3+10,000	0,839	0,027			
			3,000	5,340	0,081
3+16,000	0,941	0,000			
			2,000	3,244	0,000
4	0,681	0,000			
			3,292	2,676	0,247
4+6,583	0,132	0,075			
			1,750	0,408	0,238
4+10,083	0,101	0,061			

	Corte	Aterro
Áreas	33,1480 m ²	0,200 m ²
Volumes	204,772 m ³	1,071 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0	3,160	0,000			
			1,750	13,195	0,000
0+3,500	4,380	0,000			
			5,250	37,921	0,000
0+14,000	2,843	0,000			
			3,000	16,479	0,000
1	2,650	0,000			
			5,000	27,900	0,000
1+10,000	2,930	0,000			
			5,000	33,875	0,000
2	3,845	0,000			
			5,000	36,775	0,000
2+10,000	3,510	0,000			
			5,000	33,940	0,000
3	3,278	0,000			
			5,000	33,470	0,000
3+10,000	3,416	0,000			
			5,000	33,675	0,000
4	3,319	0,000			
			5,000	33,280	0,000
4+10,000	3,337	0,000			
			5,000	35,520	0,000
5	3,767	0,000			
			5,000	39,215	0,000
5+10,000	4,076	0,000			
			5,000	39,545	0,000
6	3,833	0,000			
			5,000	39,560	0,000
6+10,000	4,079	0,000			
			3,000	25,818	0,000
6+16,000	4,527	0,000			
			2,000	18,282	0,000
7	4,614	0,000			
			3,277	27,933	0,000
7+6,554	3,910	0,000			
			1,750	11,842	0,000
7+10,054	2,857	0,000			

	Corte	Aterro
Áreas	68,3310 m ²	0,000 m ²
Volumes	538,225 m ³	0,000 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
0	3,332	0,000			
			1,750	10,500	0,000
0+3,500	2,668	0,000			
			5,000	27,880	0,000
0+13,500	2,908	0,000			
			3,250	18,879	0,000
1	2,901	0,000			
			8,374	47,037	0,000
1+16,748	2,716	0,000			
			1,626	8,798	0,000
2	2,695	0,000			
			8,374	46,400	0,000
2+16,748	2,846	0,000			
			1,626	9,395	0,000
3	2,932	0,000			
			6,773	40,821	0,000
3+13,546	3,095	0,000			
			3,227	20,582	0,000
4	3,283	0,000			
			5,000	29,075	0,000
4+10,000	2,532	0,000			
			5,000	21,835	0,000
5	1,835	0,000			
			0,625	2,297	0,000
5+1,249	1,843	0,000			
			4,376	19,134	0,000
5+10,000	2,530	0,000			
			5,000	31,305	0,000
6	3,731	0,000			
			1,786	13,932	0,000
6+3,571	4,072	0,000			
			8,215	66,652	0,000
7	4,042	0,000			
			10,000	70,380	0,000
8	2,996	0,000			
			10,000	49,000	0,000
9	1,904	0,000			
			10,000	43,980	0,000
10	2,494	0,000			
			8,631	43,845	0,000
10+17,262	2,586	0,000			
			1,369	7,138	0,000
11	2,628	0,000			
			10,000	57,810	0,000
12	3,153	0,000			
			5,000	32,085	0,000
12+10,000	3,264	0,000			
			5,000	31,515	0,000
13	3,039	0,000			

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
13	3,039	0,000			
			0,164	0,990	0,000
13+0,328	2,999	0,000			
			2,250	9,596	0,000
13+4,828	1,266	0,000			
			2,250	11,610	0,000
13+9,328	3,894	0,000			
			4,836	33,567	0,000
13+19,000	3,047	0,000			
			0,500	3,024	0,000
14	3,001	0,000			
			1,793	10,550	0,000
14+3,586	2,883	0,000			
			8,207	47,806	0,000
15	2,942	0,000			
			10,000	61,800	0,000
16	3,238	0,000			
			10,000	58,880	0,000
17	2,650	0,000			
			10,000	59,860	0,000
18	3,336	0,000			
			10,000	63,650	0,000
19	3,029	0,000			
			9,302	51,186	0,000
19+18,603	2,474	0,000			
			0,699	3,489	0,000
20	2,521	0,000			
			10,000	58,940	0,000
21	3,373	0,000			
			5,284	39,281	0,000
21+10,568	4,061	0,000			
			4,496	37,340	0,000
21+19,559	4,245	0,000			
			0,221	1,872	0,000
22	4,247	0,000			
			0,217	1,843	0,000
22+0,434	4,247	0,000			
			9,563	66,689	0,000
22+19,559	2,727	0,000			
			0,221	1,188	0,000
23	2,661	0,000			
			10,000	35,880	0,000
24	0,927	0,000			
			5,000	7,435	1,270
24+10,000	0,560	0,254			
			2,337	2,386	0,755
24+14,673	0,461	0,069			
			2,664	2,506	0,248
25	0,480	0,024			

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
25	0,480	0,024			
			0,875	0,830	0,021
25+1,750	0,469	0,000			
			3,685	5,265	0,000
25+9,119	0,960	0,000			
			0,441	0,908	0,000
25+10,000	1,102	0,000			
			1,117	2,995	0,000
25+12,234	1,579	0,000			
			3,883	17,330	0,000
26	2,884	0,000			
			6,117	39,143	0,000
26+12,234	3,515	0,000			
			3,883	26,362	0,000
27	3,274	0,000			
			10,000	62,980	0,000
28	3,024	0,000			
			4,144	24,774	0,000
28+8,287	2,955	0,000			
			2,503	14,254	0,000
28+13,292	2,741	0,000			
			3,354	17,907	0,000
29	2,598	0,000			
			5,000	28,695	0,000
29+10,000	3,141	0,000			
			5,000	31,345	0,000
30	3,128	0,000			
			5,000	32,305	0,000
30+10,000	3,333	0,000			
			3,500	22,355	0,000
30+17,000	3,054	0,000			
			1,500	9,058	0,000
31	2,985	0,000			
			3,500	20,723	0,000
31+7,000	2,936	0,000			
			0,243	1,412	0,000
31+7,486	2,873	0,000			
			4,789	25,666	0,000
31+17,063	2,487	0,000			

	Corte	Aterro
Áreas	186,3320 m ²	0,347 m ²
Volumes	1.805,950 m ³	2,294 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
2+12,935	3,175	0,000			
			1,935	12,341	0,000
2+16,805	3,203	0,000			
			1,598	10,548	0,000
3	3,400	0,000			
			6,028	46,181	0,000
3+12,056	4,261	0,000			
			3,972	33,845	0,000
4	4,260	0,000			
			0,338	2,889	0,000
4+0,676	4,286	0,000			
			6,505	56,758	0,000
4+13,685	4,440	0,000			
			3,158	27,556	0,000
5	4,287	0,000			
			0,338	2,891	0,000
5+0,676	4,265	0,000			
			9,662	79,180	0,000
6	3,930	0,000			
			1,920	15,014	0,000
6+3,839	3,892	0,000			
			1,619	12,539	0,000
6+7,077	3,853	0,000			
			2,896	22,029	0,000
6+12,868	3,755	0,000			
			3,566	26,342	0,000
7	3,632	0,000			
			6,434	46,061	0,000
7+12,868	3,527	0,000			
			0,531	3,741	0,000
7+13,929	3,525	0,000			
			3,036	21,464	0,000
8	3,546	0,000			
			10,000	72,240	0,000
9	3,678	0,000			
			0,465	3,428	0,000
9+0,929	3,702	0,000			
			5,970	43,494	0,000
9+12,868	3,584	0,000			
			1,724	12,306	0,000
9+16,316	3,554	0,000			
			1,842	13,320	0,000
10	3,677	0,000			
			6,434	52,032	0,000
10+12,868	4,410	0,000			
			3,566	31,898	0,000
11	4,535	0,000			
			1,212	10,889	0,000
11+2,424	4,449	0,000			

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
11+2,424	4,449	0,000			
			8,019	62,580	0,000
11+18,462	3,355	0,000			
			0,769	5,007	0,000
12	3,156	0,000			
			1,434	8,537	0,000
12+2,868	2,797	0,000			
			8,566	46,496	0,000
13	2,631	0,000			
			10,000	58,210	0,000
14	3,190	0,000			
			10,000	66,600	0,000
15	3,470	0,000			
			10,000	73,170	0,000
16	3,847	0,000			
			10,000	78,480	0,000
17	4,001	0,000			
			1,541	12,919	0,000
17+3,081	4,385	0,000			
			4,584	42,778	0,000
17+12,249	4,947	0,000			
			3,876	36,759	0,000
18	4,538	0,000			
			1,434	12,837	0,000
18+2,868	4,414	0,000			
			8,566	69,145	0,000
19	3,658	0,000			
			10,000	71,530	0,000
20	3,495	0,000			
			10,000	69,720	0,000
21	3,477	0,000			
			10,000	62,060	0,000
22	2,729	0,000			
			10,000	41,460	0,000
23	1,417	0,000			
			5,000	9,815	0,000
23+10,000	0,546	0,000			
			5,000	5,525	0,000
24	0,559	0,000			
			5,000	14,860	0,000
24+10,000	2,413	0,000			
			5,000	31,175	0,000
25	3,822	0,000			
			5,000	39,035	0,000
25+10,000	3,985	0,000			
			5,000	40,570	0,000
26	4,129	0,000			
			10,000	92,170	0,000
27	5,088	0,000			

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
27	5,088	0,000			
			8,930	102,662	0,000
27+17,859	6,409	0,000			
			1,071	13,857	0,000
28	6,535	0,000			
			4,371	57,745	0,000
28+8,742	6,676	0,000			
			4,559	58,362	0,000
28+17,859	6,127	0,000			
			1,071	13,023	0,000
29	6,038	0,000			
			2,146	25,694	0,000
29+4,292	5,935	0,000			
			7,854	91,703	0,000
30	5,741	0,000			
			3,980	43,365	0,000
30+7,959	5,156	0,000			
			6,021	59,452	0,000
31	4,719	0,000			
			6,434	60,428	0,000
31+12,868	4,673	0,000			
			3,566	34,070	0,000
32	4,881	0,000			
			6,434	53,608	0,000
32+12,868	3,451	0,000			
			3,566	20,020	0,920
33	2,163	0,258			
			10,000	42,360	2,580
34	2,073	0,000			
			10,000	30,210	0,000
35	0,948	0,000			
			5,046	7,482	0,000
35+10,091	0,535	0,000			
			4,955	6,277	0,000
36	0,732	0,000			
			1,500	2,547	0,000
36+3,000	0,966	0,000			
			3,546	12,228	0,000
36+10,091	2,483	0,000			
			1,820	11,299	0,000
36+13,730	3,727	0,000			

	Corte	Aterro
Áreas	256,8430 m ²	0,258 m ²
Volumes	2.456,816 m ³	3,500 m ³

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Área Corte	Área Aterro	Semi-Dis.	Vol.Corte	Vol.Aterro
1+1,861	3,364	0,000			
			9,070	63,196	0,000
2	3,604	0,000			
			9,996	69,419	0,000
2+19,991	3,341	0,000			
			0,005	0,030	0,000
3	3,342	0,000			
			10,000	63,110	0,000
4	2,969	0,000			
			10,000	56,290	0,000
5	2,660	0,000			
			5,000	25,085	0,000
5+10,000	2,357	0,000			
			0,999	4,543	0,000
5+11,998	2,191	0,000			
			4,001	19,365	0,000
6	2,649	0,000			
			0,483	2,461	0,000
6+0,966	2,447	0,000			
			1,750	7,196	0,000
6+4,466	1,665	0,000			

	Corte	Aterro
Áreas	30,5890 m ²	0,000 m ²
Volumes	310,695 m ³	0,000 m ³