

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0		0,000	788.177,042	7.446.494,140	355,732	331°31'00"
0+3,300	PIV2	3,300	788.179,943	7.446.495,714	355,668	331°31'00"
0+14,000		14,000	788.189,348	7.446.500,816	355,453	331°31'00"
1		20,000	788.194,621	7.446.503,678	355,330	331°31'00"
2	PIV3	40,000	788.212,201	7.446.513,216	354,848	331°31'00"
3		60,000	788.229,780	7.446.522,754	354,260	331°31'00"
4	PIV4	80,000	788.247,359	7.446.532,292	353,639	331°31'00"
4+12,000		92,000	788.257,906	7.446.538,015	353,290	331°31'00"
5		100,000	788.264,938	7.446.541,830	353,066	331°31'00"
5+2,864	V5	102,864	788.267,455	7.446.543,196	353,006	331°31'00"
5+7,538	PI-1	107,538	788.271,563	7.446.545,425	352,952	331°31'00"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0		0,000	788.171,582	7.446.504,502	356,083	331°31'16"
0+3,300	PIV2	3,300	788.174,482	7.446.506,076	355,956	331°31'16"
1		20,000	788.189,161	7.446.514,039	355,613	331°31'16"
1+10,000	PCV3	30,000	788.197,951	7.446.518,807	355,457	331°31'16"
2		40,000	788.206,741	7.446.523,576	355,145	331°31'16"
2+10,000	PTV3	50,000	788.215,531	7.446.528,344	354,843	331°31'16"
3		60,000	788.224,321	7.446.533,112	354,553	331°31'16"
4		80,000	788.241,901	7.446.542,649	353,945	331°31'16"
4+12,000		92,000	788.252,449	7.446.548,371	353,564	331°31'16"
5		100,000	788.259,481	7.446.552,186	353,330	331°31'16"
5+2,781	V4	102,781	788.261,925	7.446.553,512	353,277	331°31'16"
5+7,480	PI-1	107,480	788.266,056	7.446.555,753	353,362	331°31'16"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	787.645,976	7.447.344,927	367,840	331°48'48"
0+5,000	PI1	5,000	787.650,383	7.447.347,289	367,904	331°59'15"
0+12,207	PI2	12,207	787.656,756	7.447.350,655	367,961	332°05'04"
0+15,690	V1	15,690	787.659,831	7.447.352,289	367,983	332°00'27"
1		20,000	787.663,637	7.447.354,312	368,055	332°00'27"
2	PIV2	40,000	787.681,297	7.447.363,699	368,318	332°00'27"
2+14,909	PI4	54,909	787.694,462	7.447.370,697	368,502	332°00'27"
3		60,000	787.698,957	7.447.373,087	368,529	332°00'27"
3+9,474	PI5	69,474	787.707,323	7.447.377,533	368,559	331°59'11"
4		80,000	787.716,614	7.447.382,481	368,473	331°57'56"
5		100,000	787.734,267	7.447.391,881	368,635	331°57'56"
6		120,000	787.751,921	7.447.401,281	368,758	331°57'56"
7	PIV3	140,000	787.769,574	7.447.410,681	368,975	331°57'56"
8		160,000	787.787,227	7.447.420,081	369,133	331°57'56"
8+19,866	PI6	179,866	787.804,762	7.447.429,418	369,298	331°56'54"
9		180,000	787.804,880	7.447.429,481	369,299	331°55'52"
9+16,704	PIV4	196,704	787.819,620	7.447.437,341	369,445	331°55'52"
10		200,000	787.822,528	7.447.438,892	369,482	331°55'52"
11		220,000	787.840,176	7.447.448,302	369,699	331°55'52"
12		240,000	787.857,823	7.447.457,713	369,884	331°55'52"
13		260,000	787.875,471	7.447.467,124	370,217	331°55'52"
14		280,000	787.893,119	7.447.476,534	370,492	331°55'52"
15		300,000	787.910,766	7.447.485,945	370,831	331°55'52"
15+3,218	PIV5	303,218	787.913,606	7.447.487,459	370,887	331°55'52"
15+15,000	PCV6	315,000	787.924,002	7.447.493,003	371,093	331°55'52"
15+16,258	PI9	316,258	787.925,112	7.447.493,595	371,114	331°55'52"
16		320,000	787.928,414	7.447.495,356	371,193	331°55'52"
16+5,000		325,000	787.932,826	7.447.497,709	371,300	331°55'52"
16+15,000	PTV6	335,000	787.941,650	7.447.502,414	371,487	331°55'52"
17		340,000	787.946,062	7.447.504,766	371,579	331°55'52"
18		360,000	787.963,709	7.447.514,177	372,102	331°55'52"
19		380,000	787.981,357	7.447.523,588	372,543	331°55'52"
20		400,000	787.999,004	7.447.532,999	372,907	331°55'52"
21		420,000	788.016,652	7.447.542,409	373,433	331°55'52"
21+4,583	PI10	424,583	788.020,696	7.447.544,566	373,532	331°55'52"
21+9,000	PIV7	429,000	788.024,593	7.447.546,644	373,658	331°55'52"
22		440,000	788.034,300	7.447.551,820	373,969	331°55'52"
22+13,969	PI11	453,969	788.046,625	7.447.558,393	374,324	331°57'43"
23		460,000	788.051,950	7.447.561,225	374,544	331°59'35"
24		480,000	788.069,608	7.447.570,617	375,172	331°59'35"
25		500,000	788.087,266	7.447.580,008	375,728	331°59'35"
26		520,000	788.104,924	7.447.589,400	376,191	331°59'35"
26+13,293	PI12	533,293	788.116,660	7.447.595,642	376,627	331°58'55"
27	PIV8	540,000	788.122,580	7.447.598,794	376,727	331°58'16"
28		560,000	788.140,235	7.447.608,192	377,160	331°58'16"
29		580,000	788.157,889	7.447.617,590	377,649	331°58'16"
30	PIV9	600,000	788.175,543	7.447.626,989	378,152	331°58'16"
31		620,000	788.193,197	7.447.636,387	378,688	331°58'16"
31+7,774	PI13	627,774	788.200,059	7.447.640,040	378,887	331°56'19"
32		640,000	788.210,845	7.447.645,798	379,204	331°54'22"
32+7,218	PI14	647,218	788.217,213	7.447.649,197	379,399	331°54'22"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
33		660,000	788.228,488	7.447.655,216	379,769	331°54'22"
34		680,000	788.246,132	7.447.664,634	380,355	331°54'22"
35	PIV10	700,000	788.263,775	7.447.674,053	380,890	331°54'22"
36		720,000	788.281,419	7.447.683,471	381,419	331°54'22"
36+5,000	PCV11	725,000	788.285,830	7.447.685,826	381,565	331°54'22"
36+15,000		735,000	788.294,652	7.447.690,535	381,852	331°54'22"
37		740,000	788.299,062	7.447.692,889	381,988	331°54'22"
37+5,000	PTV11	745,000	788.303,474	7.447.695,244	382,125	331°54'22"
38		760,000	788.316,706	7.447.702,308	382,654	331°54'22"
38+2,796	V12	762,796	788.319,172	7.447.703,624	382,760	331°54'22"
38+3,098	PI-16	763,098	788.319,439	7.447.703,767	382,865	331°54'22"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	787.639,157	7.447.357,670	367,790	331°58'21"
0+5,092	PI1	5,092	787.643,652	7.447.360,063	367,844	331°52'29"
0+12,247	PI2	12,247	787.649,957	7.447.363,447	367,932	331°53'13"
0+19,867	PI3	19,867	787.656,684	7.447.367,024	367,986	331°59'47"
1		20,000	787.656,801	7.447.367,087	367,986	331°59'47"
2		40,000	787.674,460	7.447.376,477	368,122	331°59'47"
2+14,944	PI4	54,944	787.687,654	7.447.383,494	368,408	331°59'47"
3		60,000	787.692,118	7.447.385,868	368,482	331°59'47"
3+9,455	PI5	69,455	787.700,466	7.447.390,307	368,559	331°58'17"
4		80,000	787.709,772	7.447.395,266	368,522	331°56'48"
4+0,694	V1	80,694	787.710,385	7.447.395,593	368,519	331°56'48"
5	PIV2	100,000	787.727,422	7.447.404,672	368,715	331°56'48"
6		120,000	787.745,073	7.447.414,078	368,955	331°56'48"
7		140,000	787.762,723	7.447.423,484	369,108	331°56'48"
8		160,000	787.780,373	7.447.432,890	369,316	331°56'48"
8+14,460	PI7	174,460	787.793,135	7.447.439,691	369,447	331°56'11"
9		180,000	787.798,022	7.447.442,297	369,480	331°55'35"
9+4,994	PI8	184,994	787.802,428	7.447.444,648	369,509	331°56'12"
9+12,573	PIV3	192,573	787.809,117	7.447.448,212	369,554	331°56'49"
10		200,000	787.815,672	7.447.451,705	369,650	331°56'49"
11		220,000	787.833,322	7.447.461,111	369,891	331°56'49"
12		240,000	787.850,972	7.447.470,516	370,128	331°56'49"
13		260,000	787.868,622	7.447.479,922	370,417	331°56'49"
14		280,000	787.886,273	7.447.489,328	370,678	331°56'49"
14+19,989	PI10	299,989	787.903,914	7.447.498,729	370,995	331°56'49"
15	PIV4	300,000	787.903,923	7.447.498,734	370,995	331°56'49"
15+16,286	PI11	316,286	787.918,296	7.447.506,393	371,276	331°56'49"
16		320,000	787.921,573	7.447.508,140	371,369	331°56'48"
17	PIV5	340,000	787.939,223	7.447.517,545	371,807	331°56'48"
18		360,000	787.956,874	7.447.526,951	372,274	331°56'48"
19		380,000	787.974,524	7.447.536,357	372,780	331°56'48"
20		400,000	787.992,174	7.447.545,763	373,212	331°56'48"
21		420,000	788.009,824	7.447.555,169	373,635	331°56'48"
21+4,619	PI12	424,619	788.013,900	7.447.557,341	373,761	331°54'53"
21+10,000	PCV6	430,000	788.018,646	7.447.559,877	373,840	331°52'59"
22		440,000	788.027,466	7.447.564,590	374,117	331°52'59"
22+10,000	PTV6	450,000	788.036,286	7.447.569,302	374,415	331°52'59"
22+14,075	PI13	454,075	788.039,880	7.447.571,223	374,539	331°52'59"
23		460,000	788.045,106	7.447.574,015	374,757	331°52'59"
23+7,656	PIV7	467,656	788.051,858	7.447.577,623	374,981	331°52'59"
24		480,000	788.062,746	7.447.583,441	375,297	331°52'59"
25		500,000	788.080,386	7.447.592,866	375,779	331°52'59"
25+18,446	PIV8	518,446	788.096,655	7.447.601,559	376,336	331°52'59"
26		520,000	788.098,025	7.447.602,292	376,382	331°52'59"
26+13,300	PI16	533,300	788.109,756	7.447.608,560	376,821	331°52'32"
27	PIV9	540,000	788.115,664	7.447.611,719	376,955	331°52'04"
28		560,000	788.133,302	7.447.621,149	377,393	331°52'04"
29	PIV10	580,000	788.150,939	7.447.630,579	377,882	331°52'04"
30		600,000	788.168,576	7.447.640,009	378,418	331°52'04"
31		620,000	788.186,213	7.447.649,439	378,981	331°52'04"
31+7,826	PI17	627,826	788.193,115	7.447.653,129	379,214	331°52'04"

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32		640,000	788.203,851	7.447.658,869	379,569	331°52'04"
32+7,248	PI18	647,248	788.210,242	7.447.662,287	379,792	331°52'04"
33		660,000	788.221,488	7.447.668,299	380,155	331°52'04"
34		680,000	788.239,125	7.447.677,729	380,716	331°52'04"
35		700,000	788.256,762	7.447.687,160	381,234	331°52'04"
36		720,000	788.274,400	7.447.696,590	381,809	331°52'04"
37	PIV11	740,000	788.292,037	7.447.706,020	382,393	331°52'04"
38		760,000	788.309,674	7.447.715,450	382,962	331°52'04"
38+4,681	V12	764,681	788.313,802	7.447.717,657	383,110	331°52'04"
38+10,024	PI-20	770,024	788.318,514	7.447.720,177	383,288	331°52'04"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	785.531,539	7.447.215,245	310,726	331°56'06"
0+5,897	V1	5,897	785.536,742	7.447.218,020	310,760	331°56'06"
0+16,000		16,000	785.545,657	7.447.222,773	311,015	331°56'06"
1		20,000	785.549,187	7.447.224,655	311,137	331°56'06"
2		40,000	785.566,835	7.447.234,064	311,709	331°56'06"
2+3,352	PCV2	43,352	785.569,793	7.447.235,641	311,786	331°56'06"
3		60,000	785.584,483	7.447.243,474	312,086	331°56'06"
3+3,352	PTV2	63,352	785.587,441	7.447.245,051	312,141	331°56'06"
4		80,000	785.602,132	7.447.252,883	312,314	331°56'06"
4+15,175	PI2	95,175	785.615,522	7.447.260,022	312,443	331°56'06"
5		100,000	785.619,780	7.447.262,293	312,490	331°56'06"
5+0,906	PCV3	100,906	785.620,579	7.447.262,719	312,499	331°56'06"
6		120,000	785.637,428	7.447.271,702	312,547	331°56'06"
6+0,906	PTV3	120,906	785.638,228	7.447.272,128	312,549	331°56'06"
6+8,363		128,363	785.644,808	7.447.275,636	312,510	331°56'06"
6+18,693		138,693	785.653,923	7.447.280,497	312,437	331°56'06"
7	PIV4	140,000	785.655,077	7.447.281,111	312,428	331°56'06"
7+11,222		151,222	785.664,979	7.447.286,391	312,309	331°56'06"
8		160,000	785.672,725	7.447.290,521	312,177	331°56'06"
8+16,102	PCV5	176,102	785.686,934	7.447.298,096	312,022	331°56'06"
9		180,000	785.690,373	7.447.299,930	312,026	331°56'06"
9+8,882		188,882	785.698,211	7.447.304,109	312,037	331°56'06"
9+16,102	PTV5	196,102	785.704,582	7.447.307,506	312,081	331°56'06"
10		200,000	785.708,021	7.447.309,340	312,118	331°56'06"
11		220,000	785.725,670	7.447.318,749	312,434	331°56'06"
11+1,907	PCV6	221,907	785.727,353	7.447.319,646	312,469	331°56'06"
12		240,000	785.743,318	7.447.328,159	312,852	331°56'06"
12+1,907	PTV6	241,907	785.745,001	7.447.329,056	312,896	331°56'06"
13		260,000	785.760,966	7.447.337,568	313,357	331°56'06"
13+4,995	PCV7	264,995	785.765,374	7.447.339,918	313,541	331°56'06"
14		280,000	785.778,615	7.447.346,978	314,107	331°56'06"
14+4,995	PTV7	284,995	785.783,022	7.447.349,328	314,312	331°56'06"
15	PIV8	300,000	785.796,263	7.447.356,387	315,191	331°56'06"
15+6,914		306,914	785.802,364	7.447.359,640	315,669	331°56'06"
15+19,378	PI5	319,378	785.813,362	7.447.365,504	316,487	331°56'06"
16		320,000	785.813,911	7.447.365,797	316,526	331°56'06"
17	PIV9	340,000	785.831,560	7.447.375,206	317,768	331°56'06"
18		360,000	785.849,208	7.447.384,615	318,941	331°56'06"
18+0,793	PCV9	360,793	785.849,907	7.447.384,988	318,982	331°56'06"
19		380,000	785.866,856	7.447.394,025	319,939	331°56'06"
19+0,793	PTV9	380,793	785.867,556	7.447.394,398	319,974	331°56'06"
20		400,000	785.884,504	7.447.403,434	320,703	331°56'06"
21	PIV10	420,000	785.902,153	7.447.412,844	321,411	331°56'06"
22		440,000	785.919,801	7.447.422,253	321,999	331°56'06"
23		460,000	785.937,449	7.447.431,663	322,588	331°56'06"
24		480,000	785.955,098	7.447.441,072	323,216	331°56'06"
25		500,000	785.972,746	7.447.450,482	323,836	331°56'06"
25+2,727	PI6	502,727	785.975,152	7.447.451,764	323,917	331°54'45"
26		520,000	785.990,388	7.447.459,903	324,405	331°53'23"
26+15,696	PI7	535,696	786.004,233	7.447.467,299	324,885	331°53'23"
27	PIV11	540,000	786.008,029	7.447.469,326	325,007	331°53'23"

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28		560,000	786.025,670	7.447.478,750	325,584	331°53'23"
29	PIV13	580,000	786.043,310	7.447.488,173	326,142	331°53'23"
30		600,000	786.060,951	7.447.497,597	326,620	331°53'23"
30+19,210	PI8	619,210	786.077,895	7.447.506,648	327,117	331°54'45"
31	PIV12	620,000	786.078,592	7.447.507,019	327,139	331°56'07"
32		640,000	786.096,241	7.447.516,429	327,539	331°56'07"
33	PIV13	660,000	786.113,889	7.447.525,838	327,944	331°56'07"
34		680,000	786.131,537	7.447.535,248	328,270	331°56'07"
35		700,000	786.149,186	7.447.544,657	328,557	331°56'07"
36		720,000	786.166,834	7.447.554,066	328,826	331°56'07"
36+17,071	PI9	737,071	786.181,898	7.447.562,098	329,084	331°56'46"
37		740,000	786.184,483	7.447.563,475	329,134	331°57'25"
37+2,000	PCV14	742,000	786.186,248	7.447.564,415	329,172	331°57'25"
37+11,530	PI10	751,530	786.194,660	7.447.568,896	329,346	331°57'25"
38		760,000	786.202,135	7.447.572,877	329,505	331°57'25"
38+2,000	PTV14	762,000	786.203,900	7.447.573,818	329,553	331°57'25"
39		780,000	786.219,787	7.447.582,280	329,997	331°57'25"
40		800,000	786.237,439	7.447.591,683	330,436	331°57'25"
41	PIV15	820,000	786.255,090	7.447.601,085	330,947	331°57'25"
42		840,000	786.272,742	7.447.610,488	331,548	331°57'25"
42+4,767		844,767	786.276,950	7.447.612,730	331,686	331°57'25"
42+12,413	PC12	852,413	786.283,698	7.447.616,324	331,929	331°57'28"
42+18,918	PC14	858,918	786.290,003	7.447.617,369	332,217	9°13'37"
43	PIV18	860,000	786.291,078	7.447.617,244	332,262	3°56'58"
43+4,766		864,766	786.295,768	7.447.617,876	332,451	340°42'39"
43+6,584		866,584	786.297,431	7.447.618,607	332,509	331°50'45"
43+8,401		868,401	786.298,960	7.447.619,584	332,526	322°59'08"
43+14,265	PC16	874,265	786.302,588	7.447.624,115	332,523	294°23'16"
44		880,000	786.306,286	7.447.628,396	332,653	327°14'41"
44+0,813	PI17	880,813	786.306,987	7.447.628,807	332,666	331°54'19"
44+8,050		888,050	786.313,371	7.447.632,215	332,864	331°54'19"
45		900,000	786.323,912	7.447.637,843	333,227	331°54'19"
45+9,170	PIV16	909,170	786.332,002	7.447.642,162	333,512	331°54'19"
46		920,000	786.341,556	7.447.647,262	333,861	331°54'19"
47		940,000	786.359,199	7.447.656,680	334,554	331°54'19"
48		960,000	786.376,843	7.447.666,099	335,227	331°54'19"
49	PIV17	980,000	786.394,486	7.447.675,518	335,978	331°54'19"
49+16,406	PI18	996,406	786.408,959	7.447.683,244	336,526	331°53'51"
50		1000,000	786.412,129	7.447.684,937	336,659	331°53'24"
51		1020,000	786.429,770	7.447.694,360	337,128	331°53'24"
52	PIV18	1040,000	786.447,411	7.447.703,784	337,748	331°53'24"
53		1060,000	786.465,052	7.447.713,207	338,431	331°53'24"
54		1080,000	786.482,693	7.447.722,630	339,103	331°53'24"
54+10,000	PCV19	1090,000	786.491,513	7.447.727,342	339,450	331°53'24"
55		1100,000	786.500,334	7.447.732,053	339,812	331°53'24"
55+10,000	PTV19	1110,000	786.509,154	7.447.736,765	340,100	331°53'24"
55+12,755	PI19	1112,755	786.511,584	7.447.738,063	340,172	331°56'18"
56		1120,000	786.517,980	7.447.741,466	340,355	331°59'12"
57	PIV20	1140,000	786.535,637	7.447.750,859	340,808	331°59'12"
58		1160,000	786.553,294	7.447.760,253	341,203	331°59'12"
59		1180,000	786.570,951	7.447.769,647	341,571	331°59'12"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
59+18,242	PI20	1198,242	786.587,056	7.447.778,215	341,931	331°59'12"
60		1200,000	786.588,607	7.447.779,040	341,962	331°59'12"
61	PIV21	1220,000	786.606,264	7.447.788,434	342,343	331°59'12"
61+9,789	PI21	1229,789	786.614,906	7.447.793,031	342,551	331°54'23"
61+16,924	PCV25	1236,924	786.621,195	7.447.796,400	342,755	331°49'33"
62		1240,000	786.623,907	7.447.797,852	342,847	331°49'33"
62+16,924	PTV25	1256,924	786.638,826	7.447.805,843	343,394	331°49'33"
63		1260,000	786.641,538	7.447.807,295	343,524	331°49'33"
63+19,473	PCV22	1279,473	786.658,703	7.447.816,490	344,380	331°49'33"
64		1280,000	786.659,168	7.447.816,739	344,405	331°49'33"
64+19,473	PTV22	1299,473	786.676,333	7.447.825,933	345,339	331°49'33"
65		1300,000	786.676,798	7.447.826,182	345,365	331°49'33"
65+6,810	PI22	1306,810	786.682,802	7.447.829,397	345,699	331°49'33"
66		1320,000	786.694,429	7.447.835,625	346,403	331°49'33"
67		1340,000	786.712,059	7.447.845,068	347,534	331°49'33"
67+8,136	PI23	1348,136	786.719,231	7.447.848,909	347,962	331°50'37"
68	PIV23	1360,000	786.729,693	7.447.854,504	348,572	331°51'40"
69		1380,000	786.747,329	7.447.863,937	349,598	331°51'40"
70	PIV24	1400,000	786.764,965	7.447.873,369	350,571	331°51'40"
70+12,990	PI24	1412,990	786.776,420	7.447.879,495	351,166	331°51'40"
71		1420,000	786.782,601	7.447.882,801	351,467	331°51'40"
72		1440,000	786.800,237	7.447.892,233	352,359	331°51'40"
73	PIV25	1460,000	786.817,873	7.447.901,665	353,232	331°51'40"
73+5,123	PI25	1465,123	786.822,391	7.447.904,081	353,431	331°52'42"
74		1480,000	786.835,514	7.447.911,090	354,003	331°53'45"
75	PIV30	1500,000	786.853,156	7.447.920,511	354,806	331°53'45"
76		1520,000	786.870,798	7.447.929,933	355,624	331°53'45"
76+18,942	PCV26	1538,942	786.887,506	7.447.938,856	356,345	331°53'45"
77		1540,000	786.888,439	7.447.939,354	356,383	331°53'45"
77+18,942	PTV26	1558,942	786.905,148	7.447.948,277	357,028	331°53'45"
78		1560,000	786.906,081	7.447.948,776	357,061	331°53'45"
79		1580,000	786.923,723	7.447.958,197	357,644	331°53'45"
79+1,477	PI26	1581,477	786.925,026	7.447.958,893	357,686	331°53'50"
80	PIV27	1600,000	786.941,365	7.447.967,618	358,205	331°53'56"
81		1620,000	786.959,008	7.447.977,039	358,855	331°53'56"
82	PIV28	1640,000	786.976,650	7.447.986,459	359,491	331°53'56"
83		1660,000	786.994,292	7.447.995,880	360,030	331°53'56"
84		1680,000	787.011,935	7.448.005,300	360,527	331°53'56"
85	PIV29	1700,000	787.029,577	7.448.014,721	361,086	331°53'56"
85+10,000		1710,000	787.038,398	7.448.019,431	361,300	331°53'56"
86		1720,000	787.047,219	7.448.024,142	361,541	331°53'56"
86+1,312	V30	1721,312	787.048,376	7.448.024,760	361,570	331°53'56"
86+10,914	PI-28	1730,914	787.056,847	7.448.029,283	361,763	331°53'56"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	785.513,148	7.447.221,386	309,747	331°52'36"
0+5,002	V1	5,002	785.517,559	7.447.223,743	309,904	331°52'36"
0+15,000		15,000	785.526,377	7.447.228,456	309,969	331°52'36"
1	PIV2	20,000	785.530,787	7.447.230,813	310,074	331°52'36"
2		40,000	785.548,426	7.447.240,241	310,423	331°52'36"
3	PIV3	60,000	785.566,064	7.447.249,668	310,787	331°52'36"
4		80,000	785.583,703	7.447.259,095	311,083	331°52'36"
5		100,000	785.601,342	7.447.268,523	311,397	331°52'36"
5+8,320	PI2	108,320	785.608,679	7.447.272,445	311,537	331°53'21"
6	PIV4	120,000	785.618,983	7.447.277,946	311,687	331°54'05"
7		140,000	785.636,626	7.447.287,366	311,811	331°54'05"
7+5,025	PCV5	145,025	785.641,058	7.447.289,732	311,803	331°54'05"
8		160,000	785.654,268	7.447.296,785	311,771	331°54'05"
8+5,025	PTV5	165,025	785.658,701	7.447.299,152	311,729	331°54'05"
9		180,000	785.671,911	7.447.306,205	311,547	331°54'05"
10	PIV6	200,000	785.689,554	7.447.315,625	311,326	331°54'05"
10+13,078	PI3	213,078	785.701,090	7.447.321,784	311,309	331°54'13"
10+13,928	PCV7	213,928	785.701,840	7.447.322,185	311,316	331°54'21"
11		220,000	785.707,197	7.447.325,044	311,370	331°54'21"
11+13,928	PTV7	233,928	785.719,484	7.447.331,603	311,664	331°54'21"
12		240,000	785.724,841	7.447.334,463	311,806	331°54'21"
12+13,895	PCV7	253,895	785.737,098	7.447.341,006	312,268	331°54'21"
13		260,000	785.742,484	7.447.343,881	312,488	331°54'21"
13+7,518	PI4	267,518	785.749,116	7.447.347,421	312,813	331°53'49"
13+13,895	PTV7	273,895	785.754,741	7.447.350,426	313,148	331°53'16"
14		280,000	785.760,126	7.447.353,303	313,522	331°53'16"
15		300,000	785.777,766	7.447.362,727	314,680	331°53'16"
15+12,091	PIV8	312,091	785.788,431	7.447.368,424	315,338	331°53'16"
16		320,000	785.795,407	7.447.372,151	315,782	331°53'16"
16+12,687	PI5	332,687	785.806,597	7.447.378,129	316,440	331°54'07"
17		340,000	785.813,049	7.447.381,572	316,814	331°54'58"
18	PIV9	360,000	785.830,694	7.447.390,987	317,839	331°54'58"
19		380,000	785.848,339	7.447.400,402	318,771	331°54'58"
20	PIV11	400,000	785.865,984	7.447.409,818	319,696	331°54'58"
21		420,000	785.883,630	7.447.419,233	320,563	331°54'58"
21+10,000	PCV10	430,000	785.892,452	7.447.423,941	320,972	331°54'58"
22		440,000	785.901,275	7.447.428,648	321,342	331°54'58"
22+0,834	PI6	440,834	785.902,011	7.447.429,041	321,369	331°56'57"
22+10,000	PTV10	450,000	785.910,102	7.447.433,346	321,722	331°58'56"
23		460,000	785.918,930	7.447.438,044	322,031	331°58'56"
24		480,000	785.936,587	7.447.447,439	322,627	331°58'56"
25		500,000	785.954,243	7.447.456,834	323,189	331°58'56"
25+10,126	PI7	510,126	785.963,182	7.447.461,591	323,472	331°58'56"
26	PIV11	520,000	785.971,899	7.447.466,229	323,773	331°58'56"
27		540,000	785.989,555	7.447.475,624	324,337	331°58'56"
27+8,910	PI8	548,910	785.997,421	7.447.479,809	324,561	331°56'05"
28		560,000	786.007,202	7.447.485,035	324,807	331°53'13"
29	PIV12	580,000	786.024,842	7.447.494,459	325,381	331°53'13"
30		600,000	786.042,483	7.447.503,883	325,751	331°53'13"
31		620,000	786.060,123	7.447.513,308	326,198	331°53'13"
31+6,583	PI9	626,583	786.065,930	7.447.516,410	326,310	331°53'13"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
32	PIV13	640,000	786.077,764	7.447.522,732	326,590	331°53'13"
32+16,628	PI10	656,628	786.092,430	7.447.530,567	326,976	331°53'54"
33		660,000	786.095,405	7.447.532,155	327,039	331°54'36"
34	PIV14	680,000	786.113,049	7.447.541,572	327,430	331°54'36"
35		700,000	786.130,693	7.447.550,989	327,755	331°54'36"
36	PIV17	720,000	786.148,337	7.447.560,406	328,064	331°54'36"
37		740,000	786.165,981	7.447.569,824	328,356	331°54'36"
37+16,735	PIV15	756,735	786.180,745	7.447.577,704	328,756	331°54'36"
38		760,000	786.183,625	7.447.579,241	328,812	331°54'36"
38+4,913	PI11	764,913	786.187,960	7.447.581,554	328,929	331°54'35"
39		780,000	786.201,270	7.447.588,658	329,246	331°54'34"
40		800,000	786.218,914	7.447.598,075	329,807	331°54'34"
40+8,750	PIV16	808,750	786.226,633	7.447.602,196	330,049	331°54'34"
41		820,000	786.236,558	7.447.607,493	330,358	331°54'34"
42		840,000	786.254,202	7.447.616,910	330,897	331°54'34"
43	PIV20	860,000	786.271,846	7.447.626,327	331,454	331°54'34"
43+5,493	PC13	865,493	786.276,692	7.447.628,914	331,618	331°54'35"
43+12,148	PC15	872,148	786.281,134	7.447.633,704	331,782	293°46'37"
43+18,246		878,246	786.284,900	7.447.638,413	331,927	323°30'44"
44		880,000	786.286,382	7.447.639,347	331,985	332°03'55"
44+1,788		881,788	786.288,019	7.447.640,062	332,027	340°47'02"
44+7,785	PC17	887,785	786.293,932	7.447.640,537	332,247	10°01'32"
44+14,439	PI18	894,439	786.300,383	7.447.641,563	332,478	331°54'01"
45	PIV17	900,000	786.305,289	7.447.644,182	332,647	331°54'01"
46		920,000	786.322,932	7.447.653,603	333,268	331°54'01"
47	PIV18	940,000	786.340,574	7.447.663,023	333,882	331°54'01"
48		960,000	786.358,217	7.447.672,443	334,586	331°54'01"
49		980,000	786.375,859	7.447.681,863	335,318	331°54'01"
50		1000,000	786.393,502	7.447.691,283	335,994	331°54'01"
50+15,847	PI19	1015,847	786.407,481	7.447.698,747	336,480	331°54'01"
51	PIV20	1020,000	786.411,145	7.447.700,703	336,620	331°54'01"
52		1040,000	786.428,787	7.447.710,123	337,295	331°54'01"
53		1060,000	786.446,430	7.447.719,543	337,977	331°54'01"
54		1080,000	786.464,072	7.447.728,964	338,659	331°54'01"
55		1100,000	786.481,715	7.447.738,384	339,309	331°54'01"
55+16,093	PCV21	1116,093	786.495,911	7.447.745,963	339,850	331°54'01"
56		1120,000	786.499,358	7.447.747,804	339,973	331°54'01"
56+12,109	PI20	1132,109	786.510,039	7.447.753,507	340,278	331°54'01"
56+16,093	PTV21	1136,093	786.513,554	7.447.755,384	340,367	331°54'01"
57		1140,000	786.517,000	7.447.757,224	340,454	331°54'01"
58	PIV22	1160,000	786.534,643	7.447.766,644	340,869	331°54'01"
59		1180,000	786.552,285	7.447.776,064	341,261	331°54'01"
60		1200,000	786.569,928	7.447.785,484	341,625	331°54'01"
60+11,713	PI21	1211,713	786.580,260	7.447.791,001	341,857	331°54'19"
61	PIV23	1220,000	786.587,571	7.447.794,903	342,037	331°54'36"
62		1240,000	786.605,215	7.447.804,320	342,504	331°54'36"
63	PIV24	1260,000	786.622,860	7.447.813,737	342,967	331°54'36"
64		1280,000	786.640,504	7.447.823,155	343,563	331°54'36"
65		1300,000	786.658,148	7.447.832,572	344,230	331°54'36"
65+4,351	PCV25	1304,351	786.661,986	7.447.834,620	344,376	331°54'36"
66		1320,000	786.675,792	7.447.841,989	345,030	331°54'36"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
66+0,265	PI22	1320,265	786.676,025	7.447.842,114	345,042	331°54'48"
66+4,351	PTV25	1324,351	786.679,630	7.447.844,037	345,252	331°55'00"
67		1340,000	786.693,437	7.447.851,404	346,204	331°55'00"
67+10,000	PCV26	1350,000	786.702,260	7.447.856,111	346,863	331°55'00"
68		1360,000	786.711,083	7.447.860,819	347,456	331°55'00"
68+7,662	PI23	1367,662	786.717,842	7.447.864,426	347,843	331°55'00"
68+10,000	PTV26	1370,000	786.719,905	7.447.865,527	347,960	331°55'00"
69		1380,000	786.728,728	7.447.870,234	348,458	331°55'00"
70		1400,000	786.746,373	7.447.879,650	349,435	331°55'00"
71	PIV27	1420,000	786.764,018	7.447.889,065	350,363	331°55'00"
71+6,346	PI24	1426,346	786.769,617	7.447.892,052	350,667	331°54'22"
72		1440,000	786.781,661	7.447.898,484	351,257	331°53'45"
73		1460,000	786.799,303	7.447.907,906	352,088	331°53'45"
74		1480,000	786.816,945	7.447.917,327	352,948	331°53'45"
75	PIV31	1500,000	786.834,587	7.447.926,749	353,806	331°53'45"
76		1520,000	786.852,229	7.447.936,170	354,584	331°53'45"
76+10,000	PCV28	1530,000	786.861,050	7.447.940,881	354,944	331°53'45"
77		1540,000	786.869,871	7.447.945,592	355,292	331°53'45"
77+10,000	PTV28	1550,000	786.878,692	7.447.950,303	355,617	331°53'45"
78		1560,000	786.887,513	7.447.955,013	355,902	331°53'45"
79	PIV29	1580,000	786.905,154	7.447.964,435	356,528	331°53'45"
80		1600,000	786.922,796	7.447.973,856	356,995	331°53'45"
80+1,068	PI25	1601,068	786.923,739	7.447.974,359	357,020	331°53'45"
81	PIV30	1620,000	786.940,438	7.447.983,278	357,596	331°53'45"
82		1640,000	786.958,080	7.447.992,699	358,285	331°53'45"
83		1660,000	786.975,722	7.448.002,121	358,923	331°53'45"
84		1680,000	786.993,364	7.448.011,542	359,622	331°53'45"
84+1,849	PCV31	1681,849	786.994,995	7.448.012,413	359,686	331°53'45"
85		1700,000	787.011,005	7.448.020,964	360,215	331°53'45"
85+1,849	PTV31	1701,849	787.012,637	7.448.021,835	360,268	331°53'45"
86		1720,000	787.028,647	7.448.030,385	360,800	331°53'45"
86+13,000		1733,000	787.040,115	7.448.036,509	361,159	331°53'45"
87		1740,000	787.046,289	7.448.039,807	361,341	331°53'45"
87+3,377	V32	1743,377	787.049,268	7.448.041,398	361,439	331°53'45"
87+4,356	PI-27	1744,356	787.050,132	7.448.041,859	361,472	331°53'45"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	788.100,314	7.446.585,201	359,306	331°18'21"
0+3,362	V1	3,362	788.103,263	7.446.586,815	359,209	331°18'21"
0+7,411	PIV2	7,411	788.106,815	7.446.588,760	359,115	331°18'21"
0+10,811	PI1	10,811	788.109,797	7.446.590,392	359,104	331°23'30"
0+14,211	PIV3	14,211	788.112,785	7.446.592,015	359,124	331°28'39"
1		20,000	788.117,871	7.446.594,780	359,154	331°28'39"
1+2,028	PIV4	22,028	788.119,653	7.446.595,748	359,144	331°28'39"
1+5,328	PI2	25,328	788.122,552	7.446.597,324	359,090	331°40'00"
1+8,628	PIV5	28,628	788.125,462	7.446.598,880	358,976	331°51'21"
2		40,000	788.135,490	7.446.604,245	358,724	331°51'21"
3		60,000	788.153,125	7.446.613,678	358,269	331°51'21"
4	PIV6	80,000	788.170,760	7.446.623,112	357,751	331°51'21"
5		100,000	788.188,395	7.446.632,546	357,164	331°51'21"
5+7,000	PCV7	107,000	788.194,568	7.446.635,848	356,978	331°51'21"
5+17,000	PCCV7	117,000	788.203,385	7.446.640,565	356,713	331°51'21"
6		120,000	788.206,031	7.446.641,980	356,633	331°51'21"
6+7,702	V8	127,702	788.212,822	7.446.645,613	356,435	331°51'21"
6+12,393	PI-3	132,393	788.216,958	7.446.647,826	356,480	331°51'21"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	788.093,810	7.446.597,216	359,819	331°32'03"
0+4,295	V1	4,295	788.097,586	7.446.599,263	359,687	331°32'03"
0+7,540	PIV2	7,540	788.100,439	7.446.600,809	359,618	331°32'03"
0+10,940	PI1	10,940	788.103,427	7.446.602,430	359,627	331°21'06"
0+14,340	PIV3	14,340	788.106,406	7.446.604,069	359,669	331°10'10"
1		20,000	788.111,364	7.446.606,799	359,698	331°10'10"
1+2,150	PIV4	22,150	788.113,248	7.446.607,835	359,646	331°10'10"
1+5,450	PI2	25,450	788.116,139	7.446.609,427	359,478	331°21'19"
1+8,750	PCV6	28,750	788.119,040	7.446.611,000	359,326	331°32'28"
2	PCCV6	40,000	788.128,931	7.446.616,360	358,995	331°32'28"
2+10,000	PTV6	50,000	788.137,722	7.446.621,126	358,713	331°32'28"
3		60,000	788.146,514	7.446.625,891	358,470	331°32'28"
4	PIV7	80,000	788.164,097	7.446.635,422	357,936	331°32'28"
5		100,000	788.181,680	7.446.644,952	357,346	331°32'28"
5+2,000	PCV6	102,000	788.183,439	7.446.645,905	357,289	331°32'28"
5+12,000		112,000	788.192,230	7.446.650,670	357,004	331°32'28"
6		120,000	788.199,264	7.446.654,483	356,775	331°32'28"
6+2,000	PTV6	122,000	788.201,022	7.446.655,436	356,718	331°32'28"
6+7,765	V7	127,765	788.206,090	7.446.658,183	356,715	331°32'28"
6+12,481	PI-3	132,481	788.210,237	7.446.660,430	356,857	331°32'28"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0		0,000	787.687,654	7.447.383,494	368,408	61°59'21"
0+14,495	V1	14,495	787.694,462	7.447.370,697	368,502	61°57'22"
0+14,498		14,498	787.694,463	7.447.370,694	368,502	61°55'22"
0+17,995	PIV2	17,995	787.696,109	7.447.367,609	368,449	61°55'22"
1		20,000	787.697,053	7.447.365,840	368,428	61°55'22"
1+8,000		28,000	787.700,818	7.447.358,781	368,424	61°55'22"
1+10,000	PCV3	30,000	787.701,759	7.447.357,017	368,442	61°55'22"
2		40,000	787.706,466	7.447.348,193	368,583	61°55'22"
2+10,000	PTV3	50,000	787.711,173	7.447.339,370	368,641	61°55'22"
3	PIV4	60,000	787.715,879	7.447.330,547	368,654	61°55'22"
4		80,000	787.725,292	7.447.312,901	368,628	61°55'22"
5		100,000	787.734,706	7.447.295,254	368,525	61°55'22"
5+17,084	PI2	117,084	787.742,746	7.447.280,181	368,512	61°57'25"
6		120,000	787.744,116	7.447.277,607	368,533	61°59'28"
6+1,113	PI3	121,113	787.744,638	7.447.276,624	368,542	61°59'28"
7		140,000	787.753,508	7.447.259,949	368,462	61°59'28"
8		160,000	787.762,900	7.447.242,292	368,356	61°59'28"
9	PIV5	180,000	787.772,292	7.447.224,634	368,238	61°59'28"
10		200,000	787.781,684	7.447.206,977	368,091	61°59'28"
11	PIV6	220,000	787.791,077	7.447.189,319	367,948	61°59'28"
11+10,261	PI4	230,261	787.795,895	7.447.180,260	367,905	61°59'28"
11+14,210	PI5	234,210	787.797,749	7.447.176,774	367,870	61°59'16"
12		240,000	787.800,469	7.447.171,662	367,819	61°59'03"
13		260,000	787.809,864	7.447.154,005	367,594	61°59'03"
14		280,000	787.819,258	7.447.136,349	367,339	61°59'03"
15		300,000	787.828,652	7.447.118,693	367,178	61°59'03"
16	PIV8	320,000	787.838,046	7.447.101,036	367,029	61°59'03"
16+17,473	PI6	337,473	787.846,254	7.447.085,610	366,887	61°59'03"
17		340,000	787.847,441	7.447.083,380	366,866	61°59'03"
17+10,776	PI7	350,776	787.852,502	7.447.073,867	366,773	61°59'01"
18		360,000	787.856,835	7.447.065,724	366,692	61°58'58"
18+18,686	PIV9	378,686	787.865,613	7.447.049,228	366,577	61°58'58"
19		380,000	787.866,230	7.447.048,068	366,571	61°58'58"
20		400,000	787.875,625	7.447.030,411	366,452	61°58'58"
21		420,000	787.885,019	7.447.012,755	366,246	61°58'58"
22		440,000	787.894,414	7.446.995,099	366,209	61°58'58"
22+5,464	PI8	445,464	787.896,981	7.446.990,275	366,200	61°58'58"
23		460,000	787.903,809	7.446.977,443	366,233	61°58'58"
23+7,463	PI9	467,463	787.907,314	7.446.970,855	366,291	61°58'21"
24		480,000	787.913,207	7.446.959,789	366,375	61°57'44"
24+10,690	PIV10	490,690	787.918,232	7.446.950,354	366,415	61°57'44"
25	PIV11	500,000	787.922,609	7.446.942,136	366,434	61°57'44"
25+1,000		501,000	787.923,079	7.446.941,254	366,433	61°57'44"
26		520,000	787.932,010	7.446.924,483	366,396	61°57'44"
27		540,000	787.941,411	7.446.906,831	366,299	61°57'44"
28		560,000	787.950,812	7.446.889,178	366,163	61°57'44"
28+3,000	PIV12	563,000	787.952,222	7.446.886,530	366,140	61°57'44"
29		580,000	787.960,213	7.446.871,525	365,949	61°57'44"
29+4,851	PI10	584,851	787.962,493	7.446.867,243	365,889	61°57'28"
30		600,000	787.969,616	7.446.853,874	365,675	61°57'12"
31	PIV13	620,000	787.979,020	7.446.836,222	365,387	61°57'12"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
32		640,000	787.988,424	7.446.818,571	365,076	61°57'12"
33		660,000	787.997,828	7.446.800,920	364,701	61°57'12"
33+2,259	PI11	662,259	787.998,890	7.446.798,926	364,664	61°57'12"
34		680,000	788.007,232	7.446.783,269	364,351	61°57'12"
35		700,000	788.016,635	7.446.765,617	364,020	61°57'12"
35+1,991	PI12	701,991	788.017,572	7.446.763,860	363,976	61°57'29"
36	PIV14	720,000	788.026,037	7.446.747,965	363,645	61°57'46"
37		740,000	788.035,437	7.446.730,312	363,282	61°57'46"
38	PIV15	760,000	788.044,838	7.446.712,659	362,875	61°57'46"
39		780,000	788.054,239	7.446.695,006	362,425	61°57'46"
40		800,000	788.063,640	7.446.677,353	361,902	61°57'46"
40+19,054	PI13	819,054	788.072,596	7.446.660,535	361,389	62°00'22"
41	PIV16	820,000	788.073,040	7.446.659,700	361,362	62°02'58"
42		840,000	788.082,414	7.446.642,033	360,845	62°02'58"
43		860,000	788.091,788	7.446.624,366	360,316	62°02'58"
44		880,000	788.101,162	7.446.606,698	359,765	62°02'58"
44+4,832	PI14	884,832	788.103,427	7.446.602,430	359,627	62°04'53"
44+18,452	PI15	898,452	788.109,797	7.446.590,392	359,104	62°07'06"
45		900,000	788.110,521	7.446.589,023	359,021	62°07'24"
46		920,000	788.119,873	7.446.571,344	358,609	62°07'24"
47	PIV17	940,000	788.129,224	7.446.553,665	358,295	62°07'24"
48		960,000	788.138,575	7.446.535,986	357,882	62°07'24"
49	PIV18	980,000	788.147,927	7.446.518,307	357,411	62°07'24"
50		1000,000	788.157,278	7.446.500,628	356,876	62°07'24"
50+5,279	PI16	1005,279	788.159,747	7.446.495,961	356,734	62°07'37"
50+10,000	PCV19	1010,000	788.161,954	7.446.491,788	356,621	62°07'50"
50+18,871	PI17	1018,871	788.166,100	7.446.483,946	356,264	62°07'50"
51		1020,000	788.166,628	7.446.482,948	356,211	62°07'50"
51+10,000	PTV19	1030,000	788.171,302	7.446.474,108	355,819	62°07'50"
52		1040,000	788.175,977	7.446.465,267	355,474	62°07'50"
52+10,000	PCV20	1050,000	788.180,651	7.446.456,428	355,113	62°07'50"
53		1060,000	788.185,326	7.446.447,587	354,706	62°07'50"
53+10,000	PTV20	1070,000	788.190,001	7.446.438,747	354,235	62°07'50"
54		1080,000	788.194,675	7.446.429,907	353,566	62°07'50"
54+15,000		1095,000	788.201,687	7.446.416,647	352,763	62°07'50"
55		1100,000	788.204,025	7.446.412,226	352,534	62°07'50"
55+4,311		1104,311	788.206,040	7.446.408,416	352,354	62°07'50"
55+5,732	PIV21	1105,732	788.206,704	7.446.407,160	352,339	62°07'50"
55+9,032	V22	1109,032	788.208,246	7.446.404,242	352,330	62°07'50"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	787.700,466	7.447.390,307	368,559	61°46'22"
0+14,498	V1	14,498	787.707,323	7.447.377,533	368,559	61°52'08"
0+17,998	PIV2	17,998	787.708,968	7.447.374,444	368,534	61°57'54"
1		20,000	787.709,909	7.447.372,677	368,481	61°57'54"
2	PIV3	40,000	787.719,309	7.447.355,023	368,650	61°57'54"
3		60,000	787.728,710	7.447.337,370	368,713	61°57'54"
3+16,000	PIV4	76,000	787.736,230	7.447.323,248	368,686	61°57'54"
4		80,000	787.738,110	7.447.319,717	368,666	61°57'54"
5		100,000	787.747,510	7.447.302,064	368,526	61°57'54"
5+12,788	PIV5	112,788	787.753,520	7.447.290,776	368,431	61°57'54"
6		120,000	787.756,910	7.447.284,410	368,392	61°57'54"
6+1,259	PI2	121,259	787.757,502	7.447.283,299	368,390	61°58'06"
6+3,017	PI3	123,017	787.758,328	7.447.281,748	368,384	61°58'19"
7		140,000	787.766,308	7.447.266,756	368,318	61°58'19"
8		160,000	787.775,706	7.447.249,102	368,196	61°58'19"
9		180,000	787.785,105	7.447.231,448	368,018	61°58'19"
10		200,000	787.794,503	7.447.213,793	367,831	61°58'19"
11		220,000	787.803,901	7.447.196,139	367,732	61°58'19"
11+9,910	PI4	229,910	787.808,558	7.447.187,391	367,672	61°59'45"
12		240,000	787.813,291	7.447.178,481	367,664	62°01'12"
12+0,190	PI5	240,190	787.813,381	7.447.178,312	367,664	62°01'12"
13		260,000	787.822,675	7.447.160,818	367,474	62°01'12"
14		280,000	787.832,058	7.447.143,156	367,262	62°01'12"
15		300,000	787.841,441	7.447.125,494	367,062	62°01'12"
16		320,000	787.850,824	7.447.107,832	366,861	62°01'12"
16+17,498	PI6	337,498	787.859,034	7.447.092,379	366,675	62°02'05"
17		340,000	787.860,206	7.447.090,169	366,654	62°02'58"
17+16,736	PI7	356,736	787.868,051	7.447.075,385	366,545	62°02'58"
18		360,000	787.869,581	7.447.072,502	366,520	62°02'58"
19		380,000	787.878,955	7.447.054,835	366,421	62°02'58"
20		400,000	787.888,329	7.447.037,168	366,247	62°02'58"
21		420,000	787.897,703	7.447.019,501	366,120	62°02'58"
22		440,000	787.907,078	7.447.001,834	365,929	62°02'58"
22+5,447	PI8	445,447	787.909,631	7.446.997,022	365,905	62°01'21"
23		460,000	787.916,464	7.446.984,173	365,857	61°59'44"
23+13,258	PI9	473,258	787.922,689	7.446.972,467	365,828	61°59'44"
24		480,000	787.925,855	7.446.966,515	365,816	61°59'44"
24+4,425	PIV6	484,425	787.927,933	7.446.962,608	365,814	61°59'44"
25		500,000	787.935,246	7.446.948,857	365,707	61°59'44"
26		520,000	787.944,636	7.446.931,198	365,618	61°59'44"
27		540,000	787.954,027	7.446.913,540	365,520	61°59'44"
27+13,511	PI10	553,511	787.960,371	7.446.901,611	365,500	61°57'14"
28		560,000	787.963,426	7.446.895,886	365,481	61°54'44"
29		580,000	787.972,843	7.446.878,242	365,376	61°54'44"
29+10,721	PI11	590,721	787.977,891	7.446.868,783	365,313	61°54'44"
30		600,000	787.982,259	7.446.860,597	365,241	61°54'44"
30+10,000	PCV7	610,000	787.986,968	7.446.851,775	365,172	61°54'44"
31		620,000	787.991,676	7.446.842,953	365,036	61°54'44"
31+10,000	PTV7	630,000	787.996,384	7.446.834,130	364,888	61°54'44"
32		640,000	788.001,092	7.446.825,308	364,702	61°54'44"
33		660,000	788.010,509	7.446.807,664	364,354	61°54'44"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
33+2,283	PI12	662,283	788.011,584	7.446.805,650	364,321	61°55'19"
34		680,000	788.019,920	7.446.790,016	364,008	61°55'53"
35		700,000	788.029,330	7.446.772,369	363,670	61°55'53"
36		720,000	788.038,741	7.446.754,721	363,346	61°55'53"
37	PIV8	740,000	788.048,152	7.446.737,073	362,943	61°55'53"
38		760,000	788.057,562	7.446.719,425	362,508	61°55'53"
38+9,728	PI13	769,728	788.062,139	7.446.710,841	362,289	61°56'56"
39	PIV9	780,000	788.066,967	7.446.701,775	362,058	61°57'59"
40		800,000	788.076,367	7.446.684,121	361,588	61°57'59"
41		820,000	788.085,767	7.446.666,468	361,099	61°57'59"
41+5,002	PI14	825,002	788.088,118	7.446.662,053	360,986	61°57'59"
42		840,000	788.095,167	7.446.648,815	360,666	61°57'59"
43		860,000	788.104,566	7.446.631,161	360,166	61°57'59"
44	PIV10	880,000	788.113,966	7.446.613,508	359,617	61°57'59"
44+4,623	PI15	884,623	788.116,139	7.446.609,427	359,478	62°01'27"
44+18,320	PI16	898,320	788.122,552	7.446.597,324	359,090	62°07'09"
45		900,000	788.123,337	7.446.595,839	359,018	62°09'24"
46	PIV11	920,000	788.132,678	7.446.578,154	358,352	62°09'24"
47		940,000	788.142,019	7.446.560,470	357,819	62°09'24"
48		960,000	788.151,360	7.446.542,785	357,236	62°09'24"
49		980,000	788.160,701	7.446.525,101	356,699	62°09'24"
50		1000,000	788.170,042	7.446.507,416	356,157	62°09'24"
50+3,295	PI17	1003,295	788.171,582	7.446.504,502	356,083	62°11'03"
50+15,009	PI18	1015,009	788.177,042	7.446.494,140	355,732	62°12'43"
51		1020,000	788.179,369	7.446.489,724	355,638	62°12'43"
51+10,000	PCV12	1030,000	788.184,031	7.446.480,878	355,317	62°12'43"
52		1040,000	788.188,693	7.446.472,030	354,977	62°12'43"
52+10,000	PTV12	1050,000	788.193,355	7.446.463,184	354,633	62°12'43"
53		1060,000	788.198,017	7.446.454,337	354,235	62°12'43"
54		1080,000	788.207,341	7.446.436,643	353,388	62°12'43"
54+11,066	PI19	1091,066	788.212,501	7.446.426,853	352,894	62°12'43"
55	PIV13	1100,000	788.216,665	7.446.418,950	352,486	62°12'43"
55+19,875	PIV14	1119,875	788.225,931	7.446.401,366	351,663	62°12'43"
56		1120,000	788.225,989	7.446.401,256	351,662	62°12'43"
56+3,175	V15	1123,175	788.227,470	7.446.398,447	351,650	62°12'43"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0	PI-0	0,000	788.180,015	7.446.412,811	353,339	16°53'01"
0+10,000	V1	10,000	788.189,584	7.446.409,906	352,991	16°53'01"
1		20,000	788.199,153	7.446.407,002	352,674	16°53'01"
1+9,503	PI2	29,503	788.208,246	7.446.404,242	352,330	16°49'47"
2		40,000	788.218,297	7.446.401,212	351,978	16°46'34"
2+9,580	PI3	49,580	788.227,470	7.446.398,447	351,650	16°39'00"
3		60,000	788.237,459	7.446.395,484	351,254	16°31'25"
3+3,352	V2	63,352	788.240,673	7.446.394,530	351,127	16°31'25"
3+13,352	PI-5	73,352	788.250,260	7.446.391,686	350,743	16°31'25"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0		0,000	786.290,003	7.447.617,369	332,217	189°13'37"
0+6,759	PIV2	6,759	786.283,996	7.447.620,260	331,977	222°11'08"
0+14,682	PIV3	14,682	786.280,287	7.447.627,092	331,821	260°49'12"
1		20,000	786.280,635	7.447.632,353	331,766	286°45'06"
1+1,441	V4	21,441	786.281,134	7.447.633,704	331,782	293°46'37"

Estaca	Descrição	Progressiva	X	Y	Z	Azimute
0		0,000	786.302,588	7.447.624,115	332,523	294°23'17"
0+6,759	PIV2	6,759	786.303,506	7.447.630,718	332,570	261°25'46"
1		20,000	786.295,295	7.447.640,211	332,299	196°51'47"
1+1,402	V3	21,402	786.293,932	7.447.640,537	332,247	190°01'32"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.271,544	7.447.622,261	332°11'03"
0+2,800	PC1	2,800	786.274,020	7.447.623,567	332°11'03"
0+4,509	PC2	4,509	786.275,427	7.447.623,022	70°08'37"
0+9,689	PC3	9,689	786.277,877	7.447.618,480	53°11'04"
0+11,411	PT3	11,411	786.277,549	7.447.616,999	151°48'36"
0+13,964	PI-4	13,964	786.275,298	7.447.615,793	151°48'36"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PC1	0,000	786.268,395	7.447.628,230	331°54'06"
0+6,225	PC2	6,225	786.273,345	7.447.631,962	314°04'09"
0+11,071	PC3	11,071	786.274,653	7.447.636,433	258°31'59"
0+16,709	PT3	16,709	786.272,773	7.447.641,729	242°22'53"
0+18,293	PI-4	18,293	786.272,039	7.447.643,133	242°22'53"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.278,344	7.447.646,432	61°32'32"
0+3,489	PC1	3,489	786.280,007	7.447.643,364	61°32'32"
0+5,200	PC2	5,200	786.281,481	7.447.643,036	323°30'47"
0+10,476	PC3	10,476	786.286,127	7.447.645,492	340°47'06"
0+12,194	PT3	12,194	786.286,684	7.447.646,900	242°18'50"
0+14,927	PI-4	14,927	786.285,414	7.447.649,320	242°18'50"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.291,528	7.447.652,599	61°47'38"
0+0,574	PC1	0,574	786.291,799	7.447.652,093	61°47'38"
0+6,341	PC2	6,341	786.295,215	7.447.647,471	45°16'21"
0+11,214	PC3	11,214	786.299,685	7.447.646,075	349°25'36"
0+17,401	PI-4	17,401	786.305,496	7.447.648,126	331°42'08"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.311,580	7.447.635,681	152°18'34"
0+2,190	PC1	2,190	786.309,641	7.447.634,663	152°18'34"
0+3,880	PC2	3,880	786.308,242	7.447.635,193	249°09'28"
0+8,549	PC3	8,549	786.306,022	7.447.639,284	233°52'15"
0+10,251	PT3	10,251	786.306,350	7.447.640,752	331°23'19"
0+13,032	PI-4	13,032	786.308,792	7.447.642,083	331°23'19"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PC1	0,000	786.278,512	7.447.609,796	331°46'23"
0+6,688	PC2	6,688	786.284,820	7.447.611,924	350°56'02"
0+12,902	PT2	12,902	786.290,028	7.447.609,324	62°08'01"
0+18,201	PI-3	18,201	786.292,505	7.447.604,639	62°08'01"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.298,761	7.447.607,947	241°58'29"
0+3,499	PC1	3,499	786.297,116	7.447.611,036	241°58'29"
0+5,222	PC2	5,222	786.297,669	7.447.612,449	340°42'26"
0+10,636	PC3	10,636	786.302,423	7.447.614,994	322°58'59"
0+12,359	PT3	12,359	786.303,905	7.447.614,669	61°43'29"
0+15,875	PI-4	15,875	786.305,571	7.447.611,573	61°43'29"

Estaca	Descrição	Progressiva	X	Y	Azimute
0	PI-0	0,000	786.311,698	7.447.614,868	241°25'18"
0+1,136	PC1	1,136	786.311,154	7.447.615,866	241°25'18"
0+6,785	PC2	6,785	786.309,184	7.447.621,140	257°36'15"
0+11,904	PC3	11,904	786.310,611	7.447.625,826	316°15'51"
0+17,415	PI-4	17,415	786.315,064	7.447.629,043	332°03'06"

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	-3,820	355,871	0,350	-3,820	355,521	-3,300	355,737	2,76	355,732	355,646	0,086	3,300	355,555	-2,76	3,820	355,311	3,820	355,671	0,360
0+3,300	-3,820	355,815	0,393	-3,820	355,422	-3,300	355,638	2,76	355,668	355,547	0,121	3,300	355,456	-2,76	3,820	355,212	3,820	355,529	0,317
0+14,000	-3,821	355,805	0,618	-3,820	355,187	-3,300	355,401	3,00	355,453	355,302	0,151	3,300	355,203	-3,00	3,820	354,958	3,820	355,363	0,405
1	-3,821	355,666	0,616	-3,820	355,050	-3,300	355,264	3,00	355,330	355,165	0,165	3,300	355,066	-3,00	3,820	354,821	3,820	355,235	0,414
2	-3,821	355,185	0,593	-3,820	354,592	-3,300	354,807	3,00	354,848	354,708	0,140	3,300	354,609	-3,00	3,820	354,363	3,820	354,760	0,397
3	-3,821	354,611	0,600	-3,820	354,011	-3,300	354,226	3,00	354,260	354,127	0,133	3,300	354,028	-3,00	3,820	353,782	3,820	354,231	0,449
4	-3,821	353,985	0,555	-3,820	353,430	-3,300	353,645	3,00	353,639	353,546	0,093	3,300	353,447	-3,00	3,820	353,201	3,820	353,586	0,385
4+12,000	-3,821	353,608	0,461	-3,820	353,147	-3,300	353,362	3,00	353,290	353,263	0,027	3,300	353,164	-3,00	3,820	352,918	3,820	353,202	0,284
5	-3,820	353,225	0,250	-3,820	352,975	-3,300	353,187	3,44	353,066	353,074	-0,008	3,300	352,960	-3,44	3,820	352,712	3,820	352,927	0,215
5+2,864	-3,820	353,124	0,210	-3,820	352,914	-3,300	353,125	3,60	353,006	353,006	0,000	3,300	352,887	-3,60	3,820	352,638	3,820	352,837	0,199

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	-3,820	356,170	0,326	-3,820	355,844	-3,300	356,060	2,76	356,083	355,969	0,114	3,300	355,883	-2,60	3,820	355,640	3,820	355,940	0,300
0+3,300	-3,820	356,046	0,301	-3,820	355,745	-3,300	355,961	2,76	355,956	355,870	0,086	3,300	355,779	-2,76	3,820	355,535	3,820	355,897	0,362
1	-3,821	355,649	0,454	-3,820	355,195	-3,300	355,441	-3,00	355,613	355,540	0,073	3,300	355,639	3,00	3,820	355,425	3,820	355,794	0,369
1+10,000	-3,821	355,450	0,452	-3,820	354,998	-3,300	355,243	-3,00	355,457	355,342	0,115	3,300	355,441	3,00	3,820	355,227	3,820	355,617	0,390
2	-3,820	355,161	0,386	-3,820	354,775	-3,300	355,021	-3,00	355,145	355,120	0,025	3,300	355,219	3,00	3,820	355,004	3,820	355,328	0,324
2+10,000	-3,820	354,835	0,332	-3,820	354,503	-3,300	354,748	-3,00	354,843	354,847	-0,004	3,300	354,946	3,00	3,820	354,732	3,820	355,039	0,307
3	-3,820	354,563	0,358	-3,820	354,205	-3,300	354,451	-3,00	354,553	354,550	0,003	3,300	354,649	3,00	3,820	354,434	3,820	354,733	0,299
4	-3,820	353,914	0,304	-3,820	353,610	-3,300	353,856	-3,00	353,945	353,955	-0,010	3,300	354,054	3,00	3,820	353,839	3,820	354,091	0,252
4+12,000	-3,820	353,638	0,385	-3,820	353,253	-3,300	353,499	-3,00	353,564	353,598	-0,034	3,300	353,697	3,00	3,820	353,482	3,820	353,623	0,141
5	-3,820	353,376	0,225	-3,820	353,151	-3,300	353,378	0,55	353,330	353,360	-0,030	3,300	353,341	-0,55	3,820	353,109	3,820	353,412	0,303
5+2,781	-3,820	353,364	0,249	-3,820	353,115	-3,300	353,336	1,79	353,277	353,277	0,000	3,300	353,218	-1,79	3,820	352,979	3,820	353,239	0,260

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+15,690	-4,020	368,026	0,122	-4,020	367,904	-3,500	368,118	3,00	367,983	368,013	-0,030	3,500	367,908	-3,00	4,020	367,663	4,020	367,936	0,273
1	-4,020	368,090	0,169	-4,020	367,921	-3,500	368,136	3,00	368,055	368,031	0,024	3,500	367,926	-3,00	4,020	367,680	4,020	367,953	0,273
2	-4,020	368,211	0,210	-4,020	368,001	-3,500	368,216	3,00	368,318	368,111	0,207	3,500	368,006	-3,00	4,020	367,760	4,020	368,118	0,358
2+14,909	-4,020	368,439	0,318	-4,020	368,121	-3,500	368,336	3,00	368,502	368,231	0,271	3,500	368,126	-3,00	4,020	367,880	4,021	368,440	0,560
3	-4,020	368,480	0,318	-4,020	368,162	-3,500	368,377	3,00	368,529	368,272	0,257	3,500	368,167	-3,00	4,020	367,921	4,021	368,493	0,572
3+9,474	-4,020	368,602	0,363	-4,020	368,239	-3,500	368,453	3,00	368,559	368,348	0,211	3,500	368,243	-3,00	4,020	367,997	4,021	368,517	0,520
4	-4,020	368,552	0,229	-4,020	368,323	-3,500	368,538	3,00	368,473	368,433	0,040	3,500	368,328	-3,00	4,020	368,082	4,020	368,507	0,425
5	-4,020	368,765	0,280	-4,020	368,485	-3,500	368,699	3,00	368,635	368,594	0,041	3,500	368,489	-3,00	4,020	368,243	4,020	368,634	0,391
6	-4,020	368,910	0,264	-4,020	368,646	-3,500	368,860	3,00	368,758	368,755	0,003	3,500	368,650	-3,00	4,020	368,404	4,020	368,812	0,408
7	-4,020	369,099	0,292	-4,020	368,807	-3,500	369,021	3,00	368,975	368,916	0,059	3,500	368,811	-3,00	4,020	368,566	4,020	368,902	0,336
8	-4,020	369,294	0,290	-4,020	369,004	-3,500	369,218	3,00	369,133	369,113	0,020	3,500	369,008	-3,00	4,020	368,763	4,020	369,117	0,354
8+19,866	-4,020	369,350	0,151	-4,020	369,199	-3,500	369,414	3,00	369,298	369,309	-0,011	3,500	369,204	-3,00	4,020	368,958	4,020	369,199	0,241
9	-4,020	369,352	0,151	-4,020	369,201	-3,500	369,415	3,00	369,299	369,310	-0,011	3,500	369,205	-3,00	4,020	368,959	4,020	369,200	0,241
9+16,704	-4,020	369,636	0,271	-4,020	369,365	-3,500	369,580	3,00	369,445	369,475	-0,030	3,500	369,370	-3,00	4,020	369,124	4,020	369,409	0,285
10	-4,020	369,676	0,266	-4,020	369,410	-3,500	369,624	3,00	369,482	369,519	-0,037	3,500	369,414	-3,00	4,020	369,169	4,020	369,543	0,374
11	-4,020	369,860	0,179	-4,020	369,681	-3,500	369,895	3,00	369,699	369,790	-0,091	3,500	369,685	-3,00	4,020	369,439	4,020	369,510	0,071
12	-4,020	370,075	0,123	-4,020	369,952	-3,500	370,166	3,00	369,884	370,061	-0,177	3,500	369,956	-3,00	4,020	369,710	4,020	369,831	0,121
13	-4,020	370,338	0,116	-4,020	370,222	-3,500	370,437	3,00	370,217	370,332	-0,115	3,500	370,227	-3,00	4,020	369,981	4,020	370,123	0,142
14	-4,020	370,594	0,101	-4,020	370,493	-3,500	370,708	3,00	370,492	370,603	-0,111	3,500	370,498	-3,00	4,020	370,252	4,020	370,351	0,099
15	-4,020	370,970	0,206	-4,020	370,764	-3,500	370,978	3,00	370,831	370,873	-0,042	3,500	370,768	-3,00	4,020	370,523	4,020	370,762	0,239
15+3,218	-4,020	371,048	0,240	-4,020	370,808	-3,500	371,022	3,00	370,887	370,917	-0,030	3,500	370,812	-3,00	4,020	370,566	4,020	370,801	0,235
15+15,000	-4,020	371,187	0,287	-4,020	370,900	-3,500	371,114	3,00	371,093	371,009	0,084	3,500	370,904	-3,00	4,020	370,658	4,020	370,979	0,321
15+16,258	-4,020	371,210	0,300	-4,020	370,910	-3,500	371,124	3,00	371,114	371,019	0,095	3,500	370,914	-3,00	4,020	370,669	4,020	370,996	0,327
16	-4,020	371,279	0,330	-4,020	370,949	-3,500	371,163	3,00	371,193	371,058	0,135	3,500	370,953	-3,00	4,020	370,707	4,020	371,080	0,373
16+5,000	-4,020	371,369	0,352	-4,020	371,017	-3,500	371,232	3,00	371,300	371,127	0,173	3,500	371,022	-3,00	4,020	370,776	4,021	371,241	0,465
16+15,000	-4,021	371,683	0,468	-4,020	371,215	-3,500	371,429	3,00	371,487	371,324	0,163	3,500	371,219	-3,00	4,020	370,973	4,020	371,403	0,430
17	-4,021	371,825	0,492	-4,020	371,333	-3,500	371,547	3,00	371,579	371,442	0,137	3,500	371,337	-3,00	4,020	371,092	4,020	371,488	0,396
18	-4,020	372,229	0,422	-4,020	371,807	-3,500	372,021	3,00	372,102	371,916	0,186	3,500	371,811	-3,00	4,020	371,566	4,020	372,007	0,441
19	-4,020	372,682	0,401	-4,020	372,281	-3,500	372,495	3,00	372,543	372,390	0,153	3,500	372,285	-3,00	4,020	372,039	4,021	372,500	0,461
20	-4,020	373,128	0,374	-4,020	372,754	-3,500	372,969	3,00	372,907	372,864	0,043	3,500	372,759	-3,00	4,020	372,513	4,020	372,910	0,397
21	-4,020	373,496	0,268	-4,020	373,228	-3,500	373,443	3,00	373,433	373,338	0,095	3,500	373,233	-3,00	4,020	372,987	4,020	373,250	0,263

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
21+4,583	-4,020	373,606	0,269	-4,020	373,337	-3,500	373,551	3,00	373,532	373,446	0,086	3,500	373,341	-3,00	4,020	373,096	4,020	373,281	0,185
21+9,000	-4,020	373,747	0,305	-4,020	373,442	-3,500	373,656	3,00	373,658	373,551	0,107	3,500	373,446	-3,00	4,020	373,200	4,020	373,467	0,267
22	-4,020	374,102	0,348	-4,020	373,754	-3,500	373,968	3,00	373,969	373,863	0,106	3,500	373,758	-3,00	4,020	373,513	4,020	373,890	0,377
22+13,969	-4,020	374,452	0,302	-4,020	374,150	-3,500	374,365	3,00	374,324	374,260	0,064	3,500	374,155	-3,00	4,020	373,909	4,020	374,114	0,205
23	-4,020	374,643	0,321	-4,020	374,322	-3,500	374,536	3,00	374,544	374,431	0,113	3,500	374,326	-3,00	4,020	374,080	4,020	374,306	0,226
24	-4,020	375,144	0,255	-4,020	374,889	-3,500	375,104	3,00	375,172	374,999	0,173	3,500	374,894	-3,00	4,020	374,648	4,020	375,047	0,399
25	-4,020	375,789	0,332	-4,020	375,457	-3,500	375,672	3,00	375,728	375,567	0,161	3,500	375,462	-3,00	4,020	375,216	4,020	375,610	0,394
26	-4,020	376,335	0,310	-4,020	376,025	-3,500	376,239	3,00	376,191	376,134	0,057	3,500	376,029	-3,00	4,020	375,784	4,020	376,121	0,337
26+13,293	-4,020	376,717	0,315	-4,020	376,402	-3,500	376,617	3,00	376,627	376,512	0,115	3,500	376,407	-3,00	4,020	376,161	4,020	376,543	0,382
27	-4,020	376,856	0,263	-4,020	376,593	-3,500	376,807	3,00	376,727	376,702	0,025	3,500	376,597	-3,00	4,020	376,352	4,020	376,600	0,248
28	-4,020	377,365	0,324	-4,020	377,041	-3,500	377,255	3,00	377,160	377,150	0,010	3,500	377,045	-3,00	4,020	376,800	4,020	376,985	0,185
29	-4,020	377,868	0,379	-4,020	377,489	-3,500	377,704	3,00	377,649	377,599	0,050	3,500	377,494	-3,00	4,020	377,248	4,020	377,538	0,290
30	-4,020	378,377	0,440	-4,020	377,937	-3,500	378,152	3,00	378,152	378,047	0,105	3,500	377,942	-3,00	4,020	377,696	4,020	378,073	0,377
31	-4,020	378,908	0,408	-4,020	378,500	-3,500	378,715	3,00	378,688	378,610	0,078	3,500	378,505	-3,00	4,020	378,259	4,020	378,606	0,347
31+7,774	-4,020	378,984	0,265	-4,020	378,719	-3,500	378,933	3,00	378,887	378,828	0,059	3,500	378,723	-3,00	4,020	378,478	4,020	378,784	0,306
32	-4,020	379,362	0,299	-4,020	379,063	-3,500	379,277	3,00	379,204	379,172	0,032	3,500	379,067	-3,00	4,020	378,822	4,020	379,238	0,416
32+7,218	-4,020	379,521	0,255	-4,020	379,266	-3,500	379,481	3,00	379,399	379,376	0,023	3,500	379,271	-3,00	4,020	379,025	4,020	379,293	0,268
33	-4,020	379,989	0,363	-4,020	379,626	-3,500	379,840	3,00	379,769	379,735	0,034	3,500	379,630	-3,00	4,020	379,385	4,020	379,646	0,261
34	-4,020	380,579	0,390	-4,020	380,189	-3,500	380,403	3,00	380,355	380,298	0,057	3,500	380,193	-3,00	4,020	379,948	4,020	380,347	0,399
35	-4,020	381,148	0,396	-4,020	380,752	-3,500	380,966	3,00	380,890	380,861	0,029	3,500	380,756	-3,00	4,020	380,511	4,020	380,934	0,423
36	-4,020	381,656	0,418	-4,020	381,238	-3,500	381,453	3,00	381,419	381,348	0,071	3,500	381,243	-3,00	4,020	380,997	4,020	381,340	0,343
36+5,000	-4,020	381,786	0,426	-4,020	381,360	-3,500	381,575	3,00	381,565	381,470	0,095	3,500	381,365	-3,00	4,020	381,119	4,020	381,484	0,365
36+15,000	-4,020	382,040	0,403	-4,020	381,637	-3,500	381,851	3,00	381,852	381,746	0,106	3,500	381,641	-3,00	4,020	381,396	4,020	381,788	0,392
37	-4,020	382,178	0,378	-4,020	381,800	-3,500	382,015	3,00	381,988	381,910	0,078	3,500	381,805	-3,00	4,020	381,559	4,020	381,917	0,358
37+5,000	-4,020	382,315	0,335	-4,020	381,980	-3,500	382,195	3,00	382,125	382,090	0,035	3,500	381,985	-3,00	4,020	381,739	4,020	382,047	0,308
38	-4,020	382,755	0,209	-4,020	382,546	-3,500	382,760	3,00	382,654	382,655	-0,001	3,500	382,550	-3,00	4,020	382,304	4,020	382,633	0,329
38+2,796	-4,020	382,840	0,189	-4,020	382,651	-3,500	382,865	3,00	382,760	382,760	0,000	3,500	382,655	-3,00	4,020	382,410	4,021	382,887	0,477

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
4+0,694	-4,020	368,443	0,244	-4,020	368,199	-3,500	368,445	-3,00	368,519	368,550	-0,031	3,500	368,655	3,00	4,020	368,440	4,020	368,647	0,207
5	-4,020	368,642	0,366	-4,020	368,276	-3,500	368,522	-3,00	368,715	368,627	0,088	3,500	368,732	3,00	4,020	368,517	4,020	368,864	0,347
6	-4,020	368,876	0,393	-4,020	368,483	-3,500	368,729	-3,00	368,955	368,834	0,121	3,500	368,939	3,00	4,020	368,724	4,020	369,038	0,314
7	-4,020	369,076	0,386	-4,020	368,690	-3,500	368,936	-3,00	369,108	369,041	0,068	3,500	369,146	3,00	4,020	368,931	4,020	369,245	0,314
8	-4,020	369,214	0,317	-4,020	368,897	-3,500	369,142	-3,00	369,316	369,247	0,069	3,500	369,352	3,00	4,020	369,138	4,020	369,379	0,241
8+14,460	-4,020	369,362	0,316	-4,020	369,046	-3,500	369,292	-3,00	369,447	369,397	0,050	3,500	369,502	3,00	4,020	369,288	4,020	369,446	0,158
9	-4,020	369,400	0,296	-4,020	369,104	-3,500	369,349	-3,00	369,480	369,454	0,026	3,500	369,559	3,00	4,020	369,345	4,020	369,491	0,146
9+4,994	-4,020	369,428	0,273	-4,020	369,155	-3,500	369,401	-3,00	369,509	369,506	0,003	3,500	369,611	3,00	4,020	369,397	4,020	369,531	0,134
9+12,573	-4,020	369,510	0,276	-4,020	369,234	-3,500	369,479	-3,00	369,554	369,584	-0,030	3,500	369,689	3,00	4,020	369,475	4,020	369,590	0,115
14+19,989	-4,020	371,011	0,337	-4,020	370,674	-3,500	370,920	-3,00	370,995	371,025	-0,030	3,500	371,130	3,00	4,020	370,915	4,020	371,122	0,207
15	-4,020	371,011	0,337	-4,020	370,674	-3,500	370,920	-3,00	370,995	371,025	-0,030	3,500	371,130	3,00	4,020	370,915	4,020	371,123	0,208
15+16,286	-4,020	371,304	0,366	-4,020	370,938	-3,500	371,184	-3,00	371,276	371,289	-0,013	3,500	371,394	3,00	4,020	371,179	4,020	371,308	0,129
16	-4,020	371,346	0,348	-4,020	370,998	-3,500	371,244	-3,00	371,369	371,349	0,020	3,500	371,454	3,00	4,020	371,239	4,020	371,379	0,140
17	-4,020	371,701	0,379	-4,020	371,322	-3,500	371,567	-3,00	371,807	371,672	0,135	3,500	371,777	3,00	4,020	371,563	4,020	371,891	0,328
18	-4,020	372,184	0,398	-4,020	371,786	-3,500	372,031	-3,00	372,274	372,136	0,138	3,500	372,241	3,00	4,020	372,027	4,020	372,376	0,349
19	-4,020	372,564	0,314	-4,020	372,250	-3,500	372,495	-3,00	372,780	372,600	0,180	3,500	372,705	3,00	4,020	372,491	4,020	372,905	0,414
20	-4,021	373,167	0,454	-4,020	372,713	-3,500	372,959	-3,00	373,212	373,064	0,148	3,500	373,169	3,00	4,020	372,955	4,020	373,286	0,331
21	-4,020	373,556	0,379	-4,020	373,177	-3,500	373,423	-3,00	373,635	373,528	0,107	3,500	373,633	3,00	4,020	373,418	4,020	373,620	0,202
21+4,619	-4,020	373,712	0,428	-4,020	373,284	-3,500	373,530	-3,00	373,761	373,635	0,126	3,500	373,740	3,00	4,020	373,526	4,020	373,759	0,233
21+10,000	-4,020	373,824	0,415	-4,020	373,409	-3,500	373,655	-3,00	373,840	373,760	0,080	3,500	373,865	3,00	4,020	373,650	4,020	373,881	0,231
22	-4,020	374,065	0,390	-4,020	373,675	-3,500	373,921	-3,00	374,117	374,026	0,091	3,500	374,131	3,00	4,020	373,916	4,020	374,233	0,317
22+10,000	-4,020	374,424	0,414	-4,020	374,010	-3,500	374,255	-3,00	374,415	374,360	0,055	3,500	374,465	3,00	4,020	374,251	4,020	374,473	0,222
22+14,075	-4,020	374,541	0,381	-4,020	374,160	-3,500	374,406	-3,00	374,539	374,511	0,028	3,500	374,616	3,00	4,020	374,401	4,020	374,605	0,204
23	-4,020	374,676	0,298	-4,020	374,378	-3,500	374,624	-3,00	374,757	374,729	0,028	3,500	374,742	0,38	4,020	374,514	4,020	374,786	0,272
23+7,656	-4,020	374,846	0,185	-4,020	374,661	-3,500	374,906	-3,00	374,981	375,011	-0,030	3,500	374,906	-3,00	4,020	374,661	4,020	375,009	0,348
25+18,446	-4,020	376,261	0,246	-4,020	376,015	-3,500	376,261	-3,00	376,336	376,366	-0,030	3,500	376,261	-3,00	4,020	376,015	4,020	376,310	0,295
26	-4,020	376,293	0,235	-4,020	376,058	-3,500	376,304	-3,00	376,382	376,409	-0,027	3,500	376,326	-2,37	4,020	376,084	4,020	376,350	0,266
26+13,300	-4,020	376,747	0,317	-4,020	376,430	-3,500	376,676	-3,00	376,821	376,781	0,040	3,500	376,886	3,00	4,020	376,671	4,020	376,791	0,120
27	-4,020	376,885	0,268	-4,020	376,617	-3,500	376,863	-3,00	376,955	376,968	-0,013	3,500	377,073	3,00	4,020	376,859	4,020	376,967	0,108
28	-4,020	377,372	0,319	-4,020	377,053	-3,500	377,299	-3,00	377,393	377,404	-0,011	3,500	377,509	3,00	4,020	377,294	4,020	377,604	0,310
29	-4,020	377,879	0,390	-4,020	377,489	-3,500	377,735	-3,00	377,882	377,840	0,042	3,500	377,945	3,00	4,020	377,730	4,020	378,089	0,359

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	-4,020	378,405	0,361	-4,020	378,044	-3,500	378,289	-3,00	378,418	378,394	0,024	3,500	378,499	3,00	4,020	378,285	4,020	378,603	0,318
31	-4,020	379,006	0,408	-4,020	378,598	-3,500	378,844	-3,00	378,981	378,949	0,032	3,500	379,054	3,00	4,020	378,839	4,020	379,142	0,303
31+7,826	-4,020	379,227	0,412	-4,020	378,815	-3,500	379,061	-3,00	379,214	379,166	0,048	3,500	379,271	3,00	4,020	379,056	4,020	379,196	0,140
32	-4,020	379,572	0,419	-4,020	379,153	-3,500	379,398	-3,00	379,569	379,503	0,066	3,500	379,608	3,00	4,020	379,394	4,020	379,590	0,196
32+7,248	-4,021	379,805	0,451	-4,020	379,354	-3,500	379,599	-3,00	379,792	379,704	0,088	3,500	379,809	3,00	4,020	379,595	4,020	379,777	0,182
33	-4,020	380,150	0,442	-4,020	379,708	-3,500	379,953	-3,00	380,155	380,058	0,097	3,500	380,163	3,00	4,020	379,949	4,020	380,284	0,335
34	-4,021	380,727	0,465	-4,020	380,262	-3,500	380,508	-3,00	380,716	380,613	0,103	3,500	380,718	3,00	4,020	380,503	4,020	380,838	0,335
35	-4,020	381,202	0,385	-4,020	380,817	-3,500	381,062	-3,00	381,234	381,167	0,067	3,500	381,272	3,00	4,020	381,058	4,020	381,380	0,322
36	-4,020	381,757	0,386	-4,020	381,371	-3,500	381,617	-3,00	381,809	381,722	0,087	3,500	381,827	3,00	4,020	381,613	4,020	381,937	0,324
37	-4,020	382,343	0,417	-4,020	381,926	-3,500	382,172	-3,00	382,393	382,277	0,116	3,500	382,382	3,00	4,020	382,167	4,020	382,461	0,294
38	-4,021	383,062	0,460	-4,020	382,602	-3,500	382,847	-3,00	382,962	382,952	0,010	3,500	383,057	3,00	4,020	382,843	4,020	382,901	0,058
38+4,681	-4,021	383,236	0,476	-4,020	382,760	-3,500	383,005	-3,00	383,110	383,110	0,000	3,500	383,215	3,00	4,020	383,001	4,020	383,148	0,147

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+5,897	-4,020	310,616	0,240	-4,020	310,376	-3,500	310,626	-3,84	310,760	310,760	0,000	3,500	310,888	3,67	4,020	310,678	4,020	310,947	0,269
0+16,000	-4,020	311,104	0,172	-4,020	310,932	-3,500	311,146	3,00	311,015	311,041	-0,026	3,500	310,936	-3,00	4,020	310,690	4,021	311,153	0,463
1	-4,020	311,232	0,189	-4,020	311,043	-3,500	311,257	3,00	311,137	311,152	-0,015	3,500	311,047	-3,00	4,020	310,802	4,020	311,172	0,370
2	-4,020	311,865	0,266	-4,020	311,599	-3,500	311,814	3,00	311,709	311,709	0,000	3,500	311,604	-3,00	4,020	311,358	4,020	311,742	0,384
2+3,352	-4,020	311,958	0,266	-4,020	311,692	-3,500	311,907	3,00	311,786	311,802	-0,016	3,500	311,697	-3,00	4,020	311,451	4,020	311,813	0,362
3	-4,020	312,094	0,070	-4,020	312,024	-3,500	312,238	3,00	312,086	312,133	-0,047	3,500	312,028	-3,00	4,020	311,783	4,020	312,068	0,285
3+3,352	-4,020	312,189	0,130	-4,020	312,059	-3,500	312,273	3,00	312,141	312,168	-0,027	3,500	312,063	-3,00	4,020	311,817	4,020	312,119	0,302
4	-4,020	312,540	0,335	-4,020	312,205	-3,500	312,419	3,00	312,314	312,314	0,000	3,500	312,209	-3,00	4,020	311,964	4,020	312,255	0,291
4+15,175	-4,020	312,499	0,161	-4,020	312,338	-3,500	312,553	3,00	312,443	312,448	-0,005	3,500	312,343	-3,00	4,020	312,097	4,020	312,405	0,308
5	-4,020	312,562	0,181	-4,020	312,381	-3,500	312,595	3,00	312,490	312,490	0,000	3,500	312,385	-3,00	4,020	312,140	4,020	312,465	0,325
5+0,906	-4,020	312,575	0,186	-4,020	312,389	-3,500	312,603	3,00	312,499	312,498	0,001	3,500	312,393	-3,00	4,020	312,147	4,020	312,476	0,329
6	-4,020	312,788	0,373	-4,020	312,415	-3,500	312,629	3,00	312,547	312,524	0,023	3,500	312,419	-3,00	4,020	312,174	4,020	312,489	0,315
6+0,906	-4,045	312,788	0,378	-4,045	312,410	-3,525	312,624	3,00	312,549	312,518	0,031	3,500	312,413	-3,00	4,020	312,168	4,020	312,482	0,314
6+8,363	-4,250	312,761	0,396	-4,250	312,365	-3,730	312,580	3,00	312,510	312,468	0,042	3,500	312,363	-3,00	4,020	312,117	4,020	312,434	0,317
6+18,693	-5,710	312,556	0,217	-5,710	312,339	-5,190	312,554	3,00	312,437	312,398	0,039	3,500	312,293	-3,00	4,020	312,047	4,020	312,379	0,332
7	-5,843	312,541	0,207	-5,843	312,334	-5,322	312,549	3,00	312,428	312,389	0,039	3,500	312,284	-3,00	4,020	312,038	4,020	312,372	0,334
7+11,222	-6,980	312,452	0,203	-6,980	312,249	-6,460	312,464	3,00	312,309	312,270	0,039	3,500	312,165	-3,00	4,020	311,919	4,020	312,275	0,356
8	-7,148	312,370	0,209	-7,148	312,161	-6,628	312,375	3,00	312,177	312,176	0,001	3,500	312,071	-3,00	4,020	311,826	4,020	312,171	0,345
8+16,102	-7,456	312,135	0,136	-7,456	311,999	-6,936	312,213	3,00	312,022	312,005	0,017	3,500	311,900	-3,00	4,020	311,655	4,020	312,019	0,364
9	-7,530	312,065	0,095	-7,530	311,970	-7,010	312,184	3,00	312,026	311,974	0,052	3,500	311,869	-3,00	4,020	311,623	4,020	311,958	0,335
9+8,882	-8,015	311,768	-0,210	-7,700	311,978	-7,180	312,193	3,00	312,037	311,977	0,060	3,500	311,872	-3,00	4,020	311,627	4,020	312,002	0,375
9+16,102	-5,310	312,048	0,062	-5,310	311,986	-4,790	312,201	3,00	312,081	312,057	0,024	3,500	311,952	-3,00	4,020	311,706	4,020	312,057	0,351
10	-4,020	312,203	0,194	-4,020	312,009	-3,500	312,223	3,00	312,118	312,118	0,000	3,500	312,013	-3,00	4,020	311,768	4,020	311,956	0,188
11	-4,020	312,622	0,297	-4,020	312,325	-3,500	312,539	3,00	312,434	312,434	0,000	3,500	312,329	-3,00	4,020	312,083	4,020	312,406	0,323
11+1,907	-4,020	312,655	0,300	-4,020	312,355	-3,500	312,569	3,00	312,469	312,464	0,005	3,500	312,359	-3,00	4,020	312,114	4,020	312,445	0,331
12	-4,020	313,056	0,331	-4,020	312,725	-3,500	312,940	3,00	312,852	312,835	0,017	3,500	312,730	-3,00	4,020	312,484	4,020	312,783	0,299
12+1,907	-4,020	313,103	0,329	-4,020	312,774	-3,500	312,989	3,00	312,896	312,884	0,012	3,500	312,779	-3,00	4,020	312,533	4,020	312,843	0,310
13	-4,020	313,578	0,331	-4,020	313,247	-3,500	313,462	3,00	313,357	313,357	0,000	3,500	313,252	-3,00	4,020	313,006	4,020	313,385	0,379
13+4,995	-4,020	313,761	0,383	-4,020	313,378	-3,500	313,592	3,00	313,541	313,487	0,054	3,500	313,382	-3,00	4,020	313,137	4,020	313,575	0,438
14	-4,021	314,414	0,466	-4,020	313,948	-3,500	314,162	3,00	314,107	314,057	0,050	3,500	313,952	-3,00	4,020	313,707	4,020	314,098	0,391
14+4,995	-4,020	314,658	0,442	-4,020	314,216	-3,500	314,431	3,00	314,312	314,326	-0,014	3,500	314,221	-3,00	4,020	313,975	4,020	314,321	0,346

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	-4,020	315,504	0,422	-4,020	315,082	-3,500	315,296	3,00	315,191	315,191	0,000	3,500	315,086	-3,00	4,020	314,840	4,020	315,101	0,261
15+6,914	-4,020	315,964	0,437	-4,020	315,527	-3,500	315,741	3,00	315,669	315,636	0,033	3,500	315,531	-3,00	4,020	315,286	4,020	315,584	0,298
15+19,378	-4,020	316,601	0,271	-4,020	316,330	-3,500	316,544	3,00	316,487	316,439	0,048	3,500	316,334	-3,00	4,020	316,089	4,020	316,358	0,269
16	-4,020	316,639	0,269	-4,020	316,370	-3,500	316,585	3,00	316,526	316,480	0,047	3,500	316,375	-3,00	4,020	316,129	4,020	316,410	0,281
17	-4,020	318,101	0,442	-4,020	317,659	-3,500	317,873	3,00	317,768	317,768	0,000	3,500	317,663	-3,00	4,020	317,417	4,020	317,741	0,324
18	-4,020	319,247	0,398	-4,020	318,849	-3,500	319,064	3,00	318,942	318,959	-0,017	3,500	318,854	-3,00	4,020	318,608	4,020	318,923	0,315
18+0,793	-4,020	319,298	0,402	-4,020	318,896	-3,500	319,111	3,00	318,982	319,006	-0,024	3,500	318,901	-3,00	4,020	318,655	4,020	318,964	0,309
19	-4,020	320,167	0,337	-4,020	319,830	-3,500	320,044	3,00	319,939	319,939	0,000	3,500	319,834	-3,00	4,020	319,589	4,020	319,946	0,357
19+0,793	-4,020	320,202	0,343	-4,020	319,859	-3,500	320,074	3,00	319,974	319,969	0,005	3,500	319,864	-3,00	4,020	319,618	4,020	319,976	0,358
20	-4,021	321,030	0,464	-4,020	320,566	-3,500	320,780	3,00	320,703	320,675	0,028	3,500	320,570	-3,00	4,020	320,325	4,020	320,750	0,425
21	-4,020	321,728	0,426	-4,020	321,302	-3,500	321,516	3,00	321,411	321,411	0,000	3,500	321,306	-3,00	4,020	321,060	4,020	321,471	0,411
22	-4,021	322,351	0,450	-4,020	321,901	-3,500	322,115	3,00	321,999	322,010	-0,011	3,500	321,905	-3,00	4,020	321,660	4,020	321,996	0,336
23	-4,020	322,895	0,395	-4,020	322,500	-3,500	322,715	3,00	322,588	322,610	-0,022	3,500	322,505	-3,00	4,020	322,259	4,020	322,567	0,308
24	-4,020	323,507	0,407	-4,020	323,100	-3,500	323,314	3,00	323,216	323,209	0,007	3,500	323,104	-3,00	4,020	322,858	4,020	323,225	0,367
25	-4,020	323,923	0,224	-4,020	323,699	-3,500	323,913	3,00	323,836	323,808	0,028	3,500	323,703	-3,00	4,020	323,458	4,020	323,735	0,277
25+2,727	-4,020	323,990	0,209	-4,020	323,781	-3,500	323,995	3,00	323,917	323,890	0,027	3,500	323,785	-3,00	4,020	323,539	4,020	323,814	0,275
26	-4,020	324,671	0,373	-4,020	324,298	-3,500	324,513	3,00	324,405	324,408	-0,003	3,500	324,303	-3,00	4,020	324,057	4,020	324,425	0,368
26+15,696	-4,020	324,965	0,196	-4,020	324,769	-3,500	324,983	3,00	324,885	324,878	0,007	3,500	324,773	-3,00	4,020	324,527	4,020	324,925	0,398
27	-4,020	325,088	0,190	-4,020	324,898	-3,500	325,112	3,00	325,007	325,007	0,000	3,500	324,902	-3,00	4,020	324,656	4,020	325,092	0,436
28	-4,020	325,857	0,381	-4,020	325,476	-3,500	325,691	3,00	325,584	325,586	-0,002	3,500	325,481	-3,00	4,020	325,235	4,020	325,677	0,442
29	-4,020	326,364	0,309	-4,020	326,055	-3,500	326,269	3,00	326,142	326,164	-0,022	3,500	326,059	-3,00	4,020	325,813	4,020	326,233	0,420
30	-4,020	326,900	0,357	-4,020	326,543	-3,500	326,757	3,00	326,620	326,652	-0,032	3,500	326,547	-3,00	4,020	326,301	4,020	326,608	0,307
30+19,210	-4,020	327,165	0,154	-4,020	327,011	-3,500	327,226	3,00	327,117	327,121	-0,004	3,500	327,016	-3,00	4,020	326,770	4,020	327,046	0,276
31	-4,020	327,162	0,131	-4,020	327,031	-3,500	327,245	3,00	327,139	327,140	-0,001	3,500	327,035	-3,00	4,020	326,789	4,020	327,073	0,284
32	-4,020	327,819	0,386	-4,020	327,433	-3,500	327,647	3,00	327,539	327,542	-0,003	3,500	327,437	-3,00	4,020	327,191	4,020	327,368	0,177
33	-4,020	328,188	0,353	-4,020	327,835	-3,500	328,049	3,00	327,944	327,944	0,000	3,500	327,839	-3,00	4,020	327,593	4,020	327,983	0,390
34	-4,020	328,517	0,385	-4,020	328,132	-3,500	328,347	3,00	328,270	328,242	0,028	3,500	328,137	-3,00	4,020	327,891	4,020	328,277	0,386
35	-4,020	328,830	0,400	-4,020	328,430	-3,500	328,644	3,00	328,557	328,539	0,018	3,500	328,434	-3,00	4,020	328,189	4,020	328,616	0,427
36	-4,020	329,094	0,367	-4,020	328,727	-3,500	328,942	3,00	328,826	328,837	-0,011	3,500	328,732	-3,00	4,020	328,486	4,020	328,844	0,358
36+17,071	-4,020	329,334	0,353	-4,020	328,981	-3,500	329,196	3,00	329,084	329,091	-0,007	3,500	328,986	-3,00	4,020	328,740	4,020	328,950	0,210
37	-4,020	329,190	0,165	-4,020	329,025	-3,500	329,239	3,00	329,134	329,134	0,000	3,500	329,029	-3,00	4,020	328,784	4,020	329,008	0,224

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
37+2,000	-4,020	329,215	0,160	-4,020	329,055	-3,500	329,269	3,00	329,172	329,164	0,008	3,500	329,059	-3,00	4,020	328,814	4,020	329,018	0,204
37+11,530	-4,020	329,432	0,215	-4,020	329,217	-3,500	329,432	3,00	329,346	329,327	0,019	3,500	329,222	-3,00	4,020	328,976	4,020	329,415	0,439
38	-4,020	329,673	0,276	-4,020	329,397	-3,500	329,611	3,00	329,505	329,506	-0,001	3,500	329,401	-3,00	4,020	329,156	4,021	329,612	0,456
38+2,000	-4,020	329,753	0,309	-4,020	329,444	-3,500	329,658	3,00	329,553	329,553	0,000	3,500	329,448	-3,00	4,020	329,203	4,020	329,606	0,403
39	-4,020	330,212	0,336	-4,020	329,876	-3,500	330,091	3,00	329,997	329,986	0,011	3,500	329,881	-3,00	4,020	329,635	4,020	330,045	0,410
40	-4,020	330,698	0,341	-4,020	330,357	-3,500	330,571	3,00	330,436	330,466	-0,030	3,500	330,361	-3,00	4,020	330,116	4,020	330,454	0,338
41	-4,020	331,186	0,348	-4,020	330,838	-3,500	331,052	3,00	330,947	330,947	0,000	3,500	330,842	-3,00	4,020	330,596	4,020	330,914	0,318
42	-4,020	331,765	0,321	-4,020	331,444	-3,500	331,658	3,00	331,548	331,553	-0,005	3,500	331,448	-3,00	4,020	331,202	4,020	331,591	0,389
42+4,767	-4,020	331,869	0,281	-4,020	331,588	-3,500	331,802	3,00	331,686	331,697	-0,011	3,500	331,592	-3,00	4,020	331,347	4,020	331,766	0,419
42+12,413	-4,020	331,895	0,075	-4,020	331,820	-3,500	332,034	3,00	331,929	331,929	0,000	4,930	331,781	-3,00	5,450	331,536	5,451	332,153	0,617
42+18,918	-6,270	332,258	0,174	-6,270	332,084	-5,750	332,299	3,00	332,217	332,126	0,091	6,730	331,924	-3,00	7,250	331,679	7,251	332,204	0,525
43	-6,270	332,277	0,160	-6,270	332,117	-5,750	332,332	3,00	332,262	332,159	0,103	6,730	331,957	-3,00	7,250	331,712	7,251	332,234	0,522
43+4,766	-6,270	332,373	0,128	-6,270	332,245	-5,750	332,460	3,00	332,451	332,287	0,164	5,750	332,115	-3,00	6,270	331,869	6,271	332,584	0,715
43+6,584	-6,270	332,341	0,047	-6,270	332,294	-5,750	332,509	3,00	332,509	332,336	0,173	5,750	332,164	-3,00	6,270	331,918	6,271	332,756	0,838
43+8,401	-6,270	332,353	0,010	-6,270	332,343	-5,750	332,558	3,00	332,526	332,385	0,141	5,750	332,213	-3,00	6,270	331,967	6,271	332,719	0,752
43+14,265	-6,468	332,369	-0,132	-6,270	332,501	-5,750	332,715	3,00	332,523	332,543	-0,020	5,000	332,393	-3,00	5,520	332,147	5,520	332,529	0,382
44	-4,020	332,618	0,030	-4,020	332,588	-3,500	332,802	3,00	332,653	332,697	-0,044	5,570	332,530	-3,00	6,090	332,284	6,090	332,642	0,358
44+0,813	-4,020	332,664	0,054	-4,020	332,610	-3,500	332,824	3,00	332,666	332,719	-0,053	5,260	332,561	-3,00	5,780	332,316	5,780	332,661	0,345
44+8,050	-4,020	332,905	0,101	-4,020	332,804	-3,500	333,019	3,00	332,864	332,914	-0,050	3,500	332,809	-3,00	4,020	332,563	4,020	332,821	0,258
45	-4,020	333,286	0,160	-4,020	333,126	-3,500	333,340	3,00	333,227	333,235	-0,008	3,500	333,130	-3,00	4,020	332,885	4,020	333,276	0,391
45+9,170	-4,020	333,484	0,111	-4,020	333,373	-3,500	333,587	3,00	333,512	333,482	0,030	3,500	333,377	-3,00	4,020	333,131	4,020	333,515	0,384
46	-4,020	333,824	0,070	-4,020	333,754	-3,500	333,969	3,00	333,861	333,864	-0,003	3,500	333,759	-3,00	4,020	333,513	4,020	333,854	0,341
47	-4,020	334,575	0,116	-4,020	334,459	-3,500	334,673	3,00	334,554	334,568	-0,014	3,500	334,463	-3,00	4,020	334,218	4,020	334,542	0,324
48	-4,020	335,318	0,154	-4,020	335,164	-3,500	335,378	3,00	335,227	335,273	-0,046	3,500	335,168	-3,00	4,020	334,923	4,020	335,262	0,339
49	-4,020	336,081	0,212	-4,020	335,869	-3,500	336,083	3,00	335,978	335,978	0,000	3,500	335,873	-3,00	4,020	335,627	4,020	335,986	0,359
49+16,406	-4,020	336,503	0,150	-4,020	336,353	-3,500	336,567	3,00	336,526	336,462	0,064	3,500	336,357	-3,00	4,020	336,111	4,020	336,539	0,428
50	-4,020	336,607	0,148	-4,020	336,459	-3,500	336,673	3,00	336,659	336,568	0,091	3,500	336,463	-3,00	4,020	336,217	4,020	336,654	0,437
51	-4,020	337,409	0,360	-4,020	337,049	-3,500	337,263	3,00	337,128	337,158	-0,030	3,500	337,053	-3,00	4,020	336,807	4,020	337,136	0,329
52	-4,020	338,047	0,408	-4,020	337,639	-3,500	337,853	3,00	337,748	337,748	0,000	3,500	337,643	-3,00	4,020	337,397	4,020	337,639	0,242
53	-4,020	338,572	0,245	-4,020	338,327	-3,500	338,541	3,00	338,431	338,436	-0,005	3,500	338,331	-3,00	4,020	338,085	4,020	338,385	0,300
54	-4,020	339,309	0,294	-4,020	339,015	-3,500	339,229	3,00	339,103	339,124	-0,021	3,500	339,019	-3,00	4,020	338,773	4,020	339,185	0,412

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
54+10,000	-4,020	339,680	0,321	-4,020	339,359	-3,500	339,573	3,00	339,450	339,468	-0,018	3,500	339,363	-3,00	4,020	339,117	4,020	339,541	0,424
55	-4,020	339,902	0,223	-4,020	339,679	-3,500	339,893	3,00	339,812	339,788	0,024	3,500	339,683	-3,00	4,020	339,438	4,020	339,865	0,427
55+10,000	-4,020	340,321	0,369	-4,020	339,952	-3,500	340,166	3,00	340,100	340,061	0,039	3,500	339,956	-3,00	4,020	339,710	4,020	340,038	0,328
55+12,755	-4,020	340,383	0,363	-4,020	340,020	-3,500	340,235	3,00	340,172	340,130	0,042	3,500	340,025	-3,00	4,020	339,779	4,020	340,085	0,306
56	-4,020	340,462	0,261	-4,020	340,201	-3,500	340,415	3,00	340,355	340,310	0,045	3,500	340,205	-3,00	4,020	339,959	4,020	340,321	0,362
57	-4,020	341,074	0,375	-4,020	340,699	-3,500	340,913	3,00	340,808	340,808	0,000	3,500	340,703	-3,00	4,020	340,457	4,020	340,841	0,384
58	-4,021	341,569	0,487	-4,020	341,082	-3,500	341,297	3,00	341,203	341,192	0,011	3,500	341,087	-3,00	4,020	340,841	4,020	341,283	0,442
59	-4,020	341,692	0,226	-4,020	341,466	-3,500	341,681	3,00	341,571	341,576	-0,005	3,500	341,471	-3,00	4,020	341,225	4,020	341,661	0,436
59+18,242	-4,020	341,991	0,175	-4,020	341,816	-3,500	342,031	3,00	341,931	341,926	0,005	3,500	341,821	-3,00	4,020	341,575	4,020	342,003	0,428
60	-4,020	342,020	0,170	-4,020	341,850	-3,500	342,064	3,00	341,962	341,959	0,003	3,500	341,854	-3,00	4,020	341,609	4,020	342,035	0,426
61	-4,020	342,556	0,322	-4,020	342,234	-3,500	342,448	3,00	342,343	342,343	0,000	3,500	342,238	-3,00	4,020	341,992	4,020	342,237	0,245
61+9,789	-4,020	342,831	0,352	-4,020	342,479	-3,500	342,693	3,00	342,551	342,588	-0,037	3,500	342,483	-3,00	4,020	342,237	4,020	342,475	0,238
61+16,924	-4,020	343,037	0,380	-4,020	342,657	-3,500	342,872	3,00	342,755	342,767	-0,012	3,500	342,662	-3,00	4,020	342,416	4,020	342,808	0,392
62	-4,020	343,138	0,400	-4,020	342,738	-3,500	342,953	3,00	342,847	342,848	-0,001	3,500	342,743	-3,00	4,020	342,497	4,020	342,941	0,444
62+16,924	-4,020	343,663	0,336	-4,020	343,327	-3,500	343,542	3,00	343,394	343,437	-0,043	3,500	343,332	-3,00	4,020	343,086	4,020	343,439	0,353
63	-4,020	343,789	0,333	-4,020	343,456	-3,500	343,671	3,00	343,524	343,566	-0,042	3,500	343,461	-3,00	4,020	343,215	4,020	343,551	0,336
63+19,473	-4,020	344,638	0,364	-4,020	344,274	-3,500	344,488	3,00	344,380	344,383	-0,003	3,500	344,278	-3,00	4,020	344,033	4,020	344,416	0,383
64	-4,020	344,664	0,368	-4,020	344,296	-3,500	344,510	3,00	344,405	344,405	0,000	3,500	344,300	-3,00	4,020	344,055	4,020	344,441	0,386
64+19,473	-4,020	345,386	0,158	-4,020	345,228	-3,500	345,442	3,00	345,339	345,337	0,002	3,500	345,232	-3,00	4,020	344,987	4,020	345,386	0,399
65	-4,020	345,410	0,154	-4,020	345,256	-3,500	345,471	3,00	345,365	345,366	-0,001	3,500	345,261	-3,00	4,020	345,015	4,020	345,419	0,404
65+6,810	-4,020	345,723	0,103	-4,020	345,620	-3,500	345,834	3,00	345,699	345,729	-0,030	3,500	345,624	-3,00	4,020	345,379	4,020	345,778	0,399
66	-4,020	346,637	0,312	-4,020	346,325	-3,500	346,539	3,00	346,403	346,434	-0,031	3,500	346,329	-3,00	4,020	346,084	4,020	346,421	0,337
67	-4,020	347,664	0,270	-4,020	347,394	-3,500	347,608	3,00	347,534	347,503	0,031	3,500	347,398	-3,00	4,020	347,153	4,020	347,444	0,291
67+8,136	-4,020	348,044	0,215	-4,020	347,829	-3,500	348,043	3,00	347,962	347,938	0,024	3,500	347,833	-3,00	4,020	347,587	4,020	347,896	0,309
68	-4,020	348,676	0,213	-4,020	348,463	-3,500	348,677	3,00	348,572	348,572	0,000	3,500	348,467	-3,00	4,020	348,221	4,020	348,558	0,337
69	-4,020	349,797	0,335	-4,020	349,462	-3,500	349,677	3,00	349,598	349,572	0,027	3,500	349,467	-3,00	4,020	349,221	4,020	349,477	0,256
70	-4,020	350,637	0,175	-4,020	350,462	-3,500	350,676	3,00	350,571	350,571	0,000	3,500	350,466	-3,00	4,020	350,220	4,020	350,493	0,273
70+12,990	-4,020	351,195	0,157	-4,020	351,038	-3,500	351,252	3,00	351,166	351,147	0,019	3,500	351,042	-3,00	4,020	350,797	4,020	351,105	0,308
71	-4,020	351,703	0,354	-4,020	351,349	-3,500	351,563	3,00	351,467	351,458	0,009	3,500	351,353	-3,00	4,020	351,107	4,020	351,448	0,341
72	-4,020	352,598	0,362	-4,020	352,236	-3,500	352,450	3,00	352,359	352,345	0,014	3,500	352,240	-3,00	4,020	351,994	4,020	352,296	0,302
73	-4,020	353,447	0,324	-4,020	353,123	-3,500	353,337	3,00	353,232	353,232	0,000	3,500	353,127	-3,00	4,020	352,881	4,020	353,146	0,265

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
73+5,123	-4,020	353,630	0,306	-4,020	353,324	-3,500	353,539	3,00	353,431	353,434	-0,003	3,500	353,329	-3,00	4,020	353,083	4,020	353,306	0,223
74	-4,020	354,189	0,279	-4,020	353,910	-3,500	354,125	3,00	354,003	354,020	-0,017	3,500	353,915	-3,00	4,020	353,669	4,020	354,017	0,348
75	-4,020	355,071	0,373	-4,020	354,698	-3,500	354,912	3,00	354,806	354,807	-0,001	3,500	354,702	-3,00	4,020	354,456	4,020	354,804	0,348
76	-4,020	355,633	0,144	-4,020	355,489	-3,500	355,704	3,00	355,624	355,599	0,025	3,500	355,494	-3,00	4,020	355,248	4,020	355,634	0,386
76+18,942	-4,020	356,600	0,361	-4,020	356,239	-3,500	356,453	3,00	356,345	356,348	-0,003	3,500	356,243	-3,00	4,020	355,998	4,020	356,399	0,401
77	-4,020	356,640	0,360	-4,020	356,280	-3,500	356,495	3,00	356,383	356,390	-0,007	3,500	356,285	-3,00	4,020	356,039	4,020	356,437	0,398
77+18,942	-4,020	357,171	0,250	-4,020	356,921	-3,500	357,135	3,00	357,028	357,030	-0,002	3,500	356,925	-3,00	4,020	356,680	4,020	357,062	0,382
78	-4,020	357,220	0,269	-4,020	356,951	-3,500	357,165	3,00	357,061	357,060	0,001	3,500	356,955	-3,00	4,020	356,710	4,020	357,100	0,390
79	-4,020	357,675	0,152	-4,020	357,523	-3,500	357,738	3,00	357,644	357,633	0,011	3,500	357,528	-3,00	4,020	357,282	4,020	357,600	0,318
79+1,477	-4,020	357,718	0,152	-4,020	357,566	-3,500	357,780	3,00	357,686	357,675	0,011	3,500	357,570	-3,00	4,020	357,324	4,020	357,639	0,315
80	-4,020	358,252	0,156	-4,020	358,096	-3,500	358,310	3,00	358,205	358,205	0,000	3,500	358,100	-3,00	4,020	357,854	4,020	358,223	0,369
81	-4,020	358,987	0,248	-4,020	358,739	-3,500	358,953	3,00	358,855	358,848	0,007	3,500	358,743	-3,00	4,020	358,497	4,020	358,809	0,312
82	-4,020	359,582	0,200	-4,020	359,382	-3,500	359,596	3,00	359,491	359,491	0,000	3,500	359,386	-3,00	4,020	359,140	4,020	359,475	0,335
83	-4,020	360,089	0,176	-4,020	359,913	-3,500	360,128	3,00	360,030	360,023	0,007	3,500	359,918	-3,00	4,020	359,672	4,020	360,016	0,344
84	-4,020	360,830	0,385	-4,020	360,445	-3,500	360,659	3,00	360,527	360,554	-0,027	3,500	360,449	-3,00	4,020	360,204	4,020	360,630	0,426
85	-4,020	361,265	0,288	-4,020	360,977	-3,500	361,191	3,00	361,086	361,086	0,000	3,500	360,981	-3,00	4,020	360,735	4,020	361,137	0,402
85+10,000	-4,020	361,409	0,205	-4,020	361,204	-3,500	361,418	3,00	361,300	361,313	-0,013	3,500	361,208	-3,00	4,020	360,963	4,020	361,256	0,293
86	-4,020	361,476	0,170	-4,020	361,306	-3,500	361,537	-0,10	361,541	361,540	0,001	3,500	361,544	0,10	4,020	361,314	4,020	361,559	0,245
86+1,312	-4,020	361,495	0,176	-4,020	361,319	-3,500	361,552	-0,51	361,570	361,570	0,000	3,500	361,588	0,51	4,020	361,361	4,020	361,565	0,204

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+5,002	-4,020	309,726	0,274	-4,020	309,452	-3,500	309,711	-5,52	309,904	309,904	0,000	3,500	310,086	5,19	4,020	309,883	4,020	310,092	0,209
0+15,000	-4,020	309,954	0,287	-4,020	309,667	-3,500	309,912	-3,00	309,969	310,017	-0,048	3,500	310,122	3,00	4,020	309,908	4,020	310,192	0,284
1	-4,020	310,073	0,350	-4,020	309,723	-3,500	309,969	-3,00	310,074	310,074	0,000	3,500	310,179	3,00	4,020	309,965	4,020	310,381	0,416
2	-4,020	310,426	0,346	-4,020	310,080	-3,500	310,326	-3,00	310,423	310,431	-0,008	3,500	310,536	3,00	4,020	310,321	4,020	310,770	0,449
3	-4,020	310,723	0,287	-4,020	310,436	-3,500	310,682	-3,00	310,787	310,787	0,000	3,500	310,892	3,00	4,020	310,678	4,021	311,128	0,450
4	-4,020	311,074	0,338	-4,020	310,736	-3,500	310,982	-3,00	311,083	311,087	-0,004	3,500	311,192	3,00	4,020	310,978	4,020	311,343	0,365
5	-4,020	311,354	0,318	-4,020	311,036	-3,500	311,282	-3,00	311,397	311,387	0,010	3,500	311,492	3,00	4,020	311,278	4,020	311,588	0,310
5+8,320	-4,020	311,382	0,221	-4,020	311,161	-3,500	311,407	-3,00	311,537	311,512	0,025	3,500	311,617	3,00	4,020	311,402	4,020	311,702	0,300
6	-4,020	311,683	0,347	-4,020	311,336	-3,500	311,582	-3,00	311,687	311,687	0,000	3,500	311,792	3,00	4,020	311,578	4,020	312,004	0,426
7	-4,020	311,789	0,373	-4,020	311,416	-3,500	311,662	-3,00	311,811	311,767	0,044	3,500	311,872	3,00	4,020	311,658	4,021	312,143	0,485
7+5,025	-4,020	311,777	0,341	-4,020	311,436	-3,500	311,682	-3,00	311,803	311,787	0,016	3,500	311,892	3,00	4,020	311,678	4,021	312,130	0,452
8	-4,020	311,761	0,343	-4,020	311,418	-3,500	311,663	-3,00	311,771	311,768	0,003	3,500	311,873	3,00	4,020	311,659	4,021	312,150	0,491
8+5,025	-4,020	311,730	0,354	-4,020	311,376	-3,500	311,622	-3,00	311,729	311,727	0,003	3,500	311,832	3,00	4,020	311,617	4,021	312,094	0,477
9	-4,020	311,613	0,388	-4,020	311,225	-3,500	311,471	-3,00	311,547	311,576	-0,029	3,500	311,681	3,00	4,020	311,467	4,020	311,905	0,438
10	-4,020	311,412	0,388	-4,020	311,024	-3,500	311,270	-3,00	311,326	311,375	-0,049	3,500	311,480	3,00	4,020	311,266	4,020	311,528	0,262
10+13,078	-4,020	311,217	0,245	-4,020	310,972	-3,500	311,218	-3,00	311,309	311,323	-0,014	3,500	311,428	3,00	4,020	311,213	4,020	311,527	0,314
10+13,928	-4,020	311,219	0,250	-4,020	310,969	-3,500	311,214	-3,00	311,316	311,319	-0,003	3,500	311,424	3,00	4,020	311,210	4,020	311,537	0,327
11	-4,020	311,358	0,380	-4,020	310,978	-3,500	311,224	-3,00	311,370	311,329	0,041	3,500	311,434	3,00	4,020	311,219	4,021	311,722	0,503
11+13,928	-4,020	311,616	0,359	-4,020	311,257	-3,500	311,503	-3,00	311,664	311,608	0,056	3,500	311,713	3,00	4,020	311,498	4,021	312,009	0,511
12	-4,020	311,771	0,315	-4,020	311,456	-3,500	311,702	-3,00	311,806	311,807	-0,001	3,500	311,912	3,00	4,020	311,698	4,020	312,132	0,434
12+13,895	-4,020	312,234	0,321	-4,020	311,913	-3,500	312,158	-3,00	312,268	312,263	0,005	3,500	312,368	3,00	4,020	312,154	4,020	312,582	0,428
13	-4,020	312,558	0,421	-4,020	312,137	-3,500	312,382	-3,00	312,488	312,487	0,001	3,500	312,592	3,00	4,020	312,378	4,020	312,791	0,413
13+7,518	-4,020	312,790	0,314	-4,020	312,476	-3,500	312,722	-3,00	312,813	312,827	-0,014	3,500	312,932	3,00	4,020	312,717	4,020	313,087	0,370
13+13,895	-4,020	313,117	0,298	-4,020	312,819	-3,500	313,065	-3,00	313,148	313,170	-0,022	3,500	313,275	3,00	4,020	313,060	4,020	313,465	0,405
14	-4,020	313,561	0,389	-4,020	313,172	-3,500	313,417	-3,00	313,522	313,522	0,000	3,500	313,627	3,00	4,020	313,413	4,020	313,815	0,402
15	-4,020	314,723	0,396	-4,020	314,327	-3,500	314,573	-3,00	314,680	314,678	0,002	3,500	314,783	3,00	4,020	314,568	4,020	314,942	0,374
15+12,091	-4,020	315,342	0,317	-4,020	315,025	-3,500	315,271	-3,00	315,338	315,376	-0,038	3,500	315,481	3,00	4,020	315,267	4,020	315,614	0,347
16	-4,020	315,694	0,262	-4,020	315,432	-3,500	315,678	-3,00	315,782	315,783	-0,001	3,500	315,888	3,00	4,020	315,673	4,020	316,043	0,370
16+12,687	-4,020	316,328	0,244	-4,020	316,084	-3,500	316,330	-3,00	316,440	316,435	0,005	3,500	316,540	3,00	4,020	316,325	4,020	316,606	0,281
17	-4,020	316,731	0,271	-4,020	316,460	-3,500	316,706	-3,00	316,814	316,811	0,003	3,500	316,916	3,00	4,020	316,701	4,020	316,961	0,260
18	-4,020	317,914	0,426	-4,020	317,488	-3,500	317,734	-3,00	317,839	317,839	0,000	3,500	317,944	3,00	4,020	317,730	4,021	318,182	0,452

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
19	-4,021	318,964	0,538	-4,020	318,426	-3,500	318,672	-3,00	318,771	318,777	-0,006	3,500	318,882	3,00	4,020	318,668	4,021	319,126	0,458
20	-4,020	319,695	0,331	-4,020	319,364	-3,500	319,610	-3,00	319,696	319,715	-0,019	3,500	319,820	3,00	4,020	319,606	4,021	320,069	0,463
21	-4,020	320,575	0,343	-4,020	320,232	-3,500	320,478	-3,00	320,563	320,583	-0,020	3,500	320,688	3,00	4,020	320,474	4,020	320,920	0,446
21+10,000	-4,020	321,004	0,338	-4,020	320,666	-3,500	320,912	-3,00	320,972	321,017	-0,045	3,500	321,122	3,00	4,020	320,908	4,020	321,288	0,380
22	-4,020	321,276	0,212	-4,020	321,064	-3,500	321,310	-3,00	321,342	321,415	-0,073	3,500	321,520	3,00	4,020	321,306	4,020	321,721	0,415
22+0,834	-4,020	321,309	0,215	-4,020	321,094	-3,500	321,340	-3,00	321,369	321,445	-0,076	3,500	321,550	3,00	4,020	321,336	4,020	321,758	0,422
22+10,000	-4,020	321,736	0,345	-4,020	321,391	-3,500	321,636	-3,00	321,722	321,741	-0,019	3,500	321,846	3,00	4,020	321,632	4,020	322,060	0,428
23	-4,020	322,078	0,397	-4,020	321,681	-3,500	321,927	-3,00	322,031	322,032	-0,001	3,500	322,137	3,00	4,020	321,922	4,021	322,380	0,458
24	-4,020	322,599	0,338	-4,020	322,261	-3,500	322,507	-3,00	322,627	322,612	0,015	3,500	322,717	3,00	4,020	322,503	4,021	322,980	0,477
25	-4,020	323,171	0,329	-4,020	322,842	-3,500	323,088	-3,00	323,189	323,193	-0,004	3,500	323,298	3,00	4,020	323,083	4,021	323,561	0,478
25+10,126	-4,020	323,396	0,260	-4,020	323,136	-3,500	323,381	-3,00	323,472	323,486	-0,014	3,500	323,591	3,00	4,020	323,377	4,020	323,602	0,225
26	-4,020	323,656	0,234	-4,020	323,422	-3,500	323,668	-3,00	323,773	323,773	0,000	3,500	323,878	3,00	4,020	323,664	4,020	323,907	0,243
27	-4,020	324,238	0,280	-4,020	323,958	-3,500	324,204	-3,00	324,337	324,309	0,028	3,500	324,414	3,00	4,020	324,200	4,020	324,446	0,246
27+8,910	-4,020	324,416	0,219	-4,020	324,197	-3,500	324,443	-3,00	324,561	324,548	0,013	3,500	324,653	3,00	4,020	324,438	4,020	324,699	0,261
28	-4,020	324,791	0,297	-4,020	324,494	-3,500	324,740	-3,00	324,807	324,845	-0,038	3,500	324,950	3,00	4,020	324,736	4,020	324,911	0,175
29	-4,020	325,321	0,291	-4,020	325,030	-3,500	325,276	-3,00	325,381	325,381	0,000	3,500	325,486	3,00	4,020	325,272	4,020	325,628	0,356
30	-4,020	325,757	0,324	-4,020	325,433	-3,500	325,679	-3,00	325,751	325,784	-0,033	3,500	325,889	3,00	4,020	325,675	4,020	326,053	0,378
31	-4,020	326,194	0,358	-4,020	325,836	-3,500	326,082	-3,00	326,198	326,187	0,011	3,500	326,292	3,00	4,020	326,078	4,020	326,522	0,444
31+6,583	-4,020	326,368	0,399	-4,020	325,969	-3,500	326,215	-3,00	326,310	326,320	-0,010	3,500	326,425	3,00	4,020	326,210	4,020	326,501	0,291
32	-4,021	326,689	0,450	-4,020	326,239	-3,500	326,485	-3,00	326,590	326,590	0,000	3,500	326,695	3,00	4,020	326,481	4,020	326,849	0,368
32+16,628	-4,020	326,876	0,287	-4,020	326,589	-3,500	326,834	-3,00	326,976	326,939	0,037	3,500	327,044	3,00	4,020	326,830	4,020	327,275	0,445
33	-4,020	326,910	0,251	-4,020	326,659	-3,500	326,905	-3,00	327,039	327,010	0,029	3,500	327,115	3,00	4,020	326,901	4,021	327,365	0,464
34	-4,020	327,430	0,351	-4,020	327,079	-3,500	327,325	-3,00	327,430	327,430	0,000	3,500	327,535	3,00	4,020	327,321	4,020	327,756	0,435
35	-4,020	327,803	0,415	-4,020	327,388	-3,500	327,634	-3,00	327,755	327,739	0,017	3,500	327,844	3,00	4,020	327,629	4,021	328,093	0,464
36	-4,020	328,027	0,331	-4,020	327,696	-3,500	327,942	-3,00	328,064	328,047	0,017	3,500	328,152	3,00	4,020	327,938	4,021	328,444	0,506
37	-4,020	328,444	0,389	-4,020	328,055	-3,500	328,301	-3,00	328,356	328,406	-0,050	3,500	328,511	3,00	4,020	328,296	4,021	328,798	0,502
37+16,735	-4,020	328,781	0,426	-4,020	328,355	-3,500	328,601	-3,00	328,756	328,706	0,050	3,500	328,811	3,00	4,020	328,597	4,020	328,851	0,254
38	-4,020	328,717	0,279	-4,020	328,438	-3,500	328,683	-3,00	328,812	328,788	0,024	3,500	328,893	3,00	4,020	328,679	4,020	328,936	0,257
38+4,913	-4,020	328,817	0,256	-4,020	328,561	-3,500	328,807	-3,00	328,929	328,912	0,017	3,500	329,017	3,00	4,020	328,802	4,020	329,067	0,265
39	-4,020	329,299	0,359	-4,020	328,940	-3,500	329,186	-3,00	329,246	329,291	-0,045	3,500	329,396	3,00	4,020	329,182	4,020	329,516	0,334
40	-4,020	329,837	0,394	-4,020	329,443	-3,500	329,689	-3,00	329,807	329,794	0,013	3,500	329,899	3,00	4,020	329,685	4,020	330,101	0,416

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
40+8,750	-4,020	330,103	0,440	-4,020	329,663	-3,500	329,909	-3,00	330,049	330,014	0,035	3,500	330,119	3,00	4,020	329,905	4,021	330,362	0,457
41	-4,020	330,364	0,373	-4,020	329,991	-3,500	330,237	-3,00	330,358	330,342	0,016	3,500	330,447	3,00	4,020	330,232	4,020	330,680	0,448
42	-4,020	330,945	0,371	-4,020	330,574	-3,500	330,819	-3,00	330,897	330,924	-0,027	3,500	331,029	3,00	4,020	330,815	4,020	331,185	0,370
43	-4,020	331,513	0,357	-4,020	331,156	-3,500	331,402	-3,00	331,454	331,507	-0,053	3,500	331,612	3,00	4,020	331,398	4,020	331,637	0,239
43+5,493	-5,580	331,573	0,311	-5,580	331,262	-5,060	331,508	-3,00	331,618	331,660	-0,042	3,500	331,765	3,00	4,020	331,550	4,020	331,787	0,237
43+12,148	-7,630	331,687	0,301	-7,630	331,386	-7,110	331,631	-3,00	331,782	331,844	-0,062	5,750	332,017	3,00	6,270	331,803	6,270	332,041	0,238
43+18,246	-6,270	331,821	0,225	-6,270	331,596	-5,750	331,841	-3,00	331,927	332,014	-0,087	5,750	332,186	3,00	6,270	331,972	6,270	332,097	0,125
44	-6,270	331,892	0,248	-6,270	331,644	-5,750	331,890	-3,00	331,985	332,063	-0,078	5,750	332,235	3,00	6,270	332,021	6,270	332,114	0,093
44+1,788	-6,270	331,981	0,287	-6,270	331,694	-5,750	331,940	-3,00	332,027	332,112	-0,085	5,750	332,285	3,00	6,270	332,070	6,270	332,141	0,071
44+7,785	-7,611	332,270	0,450	-7,610	331,820	-7,090	332,066	-3,00	332,247	332,279	-0,032	5,750	332,451	3,00	6,270	332,237	6,270	332,243	0,006
44+14,439	-5,610	332,415	0,350	-5,610	332,065	-5,090	332,311	-3,00	332,478	332,464	0,014	3,500	332,569	3,00	4,020	332,354	4,020	332,541	0,187
45	-4,020	332,567	0,300	-4,020	332,267	-3,500	332,513	-3,00	332,647	332,618	0,029	3,500	332,723	3,00	4,020	332,509	4,020	332,721	0,212
46	-4,020	333,151	0,291	-4,020	332,860	-3,500	333,106	-3,00	333,268	333,211	0,058	3,500	333,316	3,00	4,020	333,101	4,020	333,298	0,197
47	-4,020	333,779	0,327	-4,020	333,452	-3,500	333,698	-3,00	333,882	333,803	0,079	3,500	333,908	3,00	4,020	333,694	4,020	333,907	0,213
48	-4,020	334,477	0,320	-4,020	334,157	-3,500	334,402	-3,00	334,586	334,507	0,079	3,500	334,612	3,00	4,020	334,398	4,020	334,671	0,273
49	-4,020	335,154	0,293	-4,020	334,861	-3,500	335,107	-3,00	335,318	335,212	0,107	3,500	335,317	3,00	4,020	335,102	4,020	335,412	0,310
50	-4,020	335,899	0,334	-4,020	335,565	-3,500	335,811	-3,00	335,994	335,916	0,078	3,500	336,021	3,00	4,020	335,806	4,020	336,026	0,220
50+15,847	-4,020	336,436	0,313	-4,020	336,123	-3,500	336,369	-3,00	336,480	336,474	0,006	3,500	336,579	3,00	4,020	336,364	4,020	336,580	0,216
51	-4,020	336,604	0,335	-4,020	336,269	-3,500	336,515	-3,00	336,620	336,620	0,000	3,500	336,725	3,00	4,020	336,511	4,020	336,717	0,206
52	-4,020	337,290	0,350	-4,020	336,940	-3,500	337,186	-3,00	337,295	337,291	0,004	3,500	337,396	3,00	4,020	337,181	4,020	337,606	0,425
53	-4,020	337,952	0,342	-4,020	337,610	-3,500	337,856	-3,00	337,977	337,961	0,016	3,500	338,066	3,00	4,020	337,852	4,021	338,316	0,464
54	-4,020	338,614	0,333	-4,020	338,281	-3,500	338,527	-3,00	338,659	338,632	0,027	3,500	338,737	3,00	4,020	338,522	4,020	338,836	0,314
55	-4,020	339,256	0,304	-4,020	338,952	-3,500	339,197	-3,00	339,309	339,302	0,007	3,500	339,407	3,00	4,020	339,193	4,020	339,586	0,393
55+16,093	-4,020	339,809	0,318	-4,020	339,491	-3,500	339,737	-3,00	339,850	339,842	0,008	3,500	339,947	3,00	4,020	339,732	4,020	340,112	0,380
56	-4,020	339,934	0,317	-4,020	339,617	-3,500	339,863	-3,00	339,973	339,968	0,005	3,500	340,073	3,00	4,020	339,858	4,020	340,124	0,266
56+12,109	-4,020	340,256	0,312	-4,020	339,944	-3,500	340,190	-3,00	340,278	340,295	-0,017	3,500	340,400	3,00	4,020	340,185	4,020	340,412	0,227
56+16,093	-4,020	340,331	0,301	-4,020	340,030	-3,500	340,276	-3,00	340,367	340,381	-0,014	3,500	340,486	3,00	4,020	340,272	4,020	340,611	0,339
57	-4,020	340,467	0,357	-4,020	340,110	-3,500	340,356	-3,00	340,454	340,461	-0,007	3,500	340,566	3,00	4,020	340,351	4,020	340,644	0,293
58	-4,020	340,849	0,331	-4,020	340,518	-3,500	340,764	-3,00	340,869	340,869	0,000	3,500	340,974	3,00	4,020	340,760	4,020	341,009	0,249
59	-4,020	341,174	0,278	-4,020	340,896	-3,500	341,142	-3,00	341,261	341,247	0,014	3,500	341,352	3,00	4,020	341,137	4,020	341,484	0,347
60	-4,020	341,589	0,315	-4,020	341,274	-3,500	341,519	-3,00	341,625	341,624	0,001	3,500	341,729	3,00	4,020	341,515	4,020	341,804	0,289

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
60+11,713	-4,020	341,722	0,227	-4,020	341,495	-3,500	341,741	-3,00	341,857	341,846	0,011	3,500	341,951	3,00	4,020	341,736	4,020	341,952	0,216
61	-4,020	342,000	0,349	-4,020	341,651	-3,500	341,897	-3,00	342,037	342,002	0,035	3,500	342,107	3,00	4,020	341,893	4,020	342,138	0,245
62	-4,020	342,495	0,361	-4,020	342,134	-3,500	342,380	-3,00	342,504	342,485	0,020	3,500	342,590	3,00	4,020	342,375	4,020	342,773	0,398
63	-4,020	342,983	0,367	-4,020	342,616	-3,500	342,862	-3,00	342,967	342,967	0,000	3,500	343,072	3,00	4,020	342,858	4,020	343,277	0,419
64	-4,020	343,627	0,379	-4,020	343,248	-3,500	343,493	-3,00	343,563	343,598	-0,035	3,500	343,703	3,00	4,020	343,489	4,020	343,863	0,374
65	-4,020	344,197	0,318	-4,020	343,879	-3,500	344,125	-3,00	344,230	344,230	0,000	3,500	344,335	3,00	4,020	344,121	4,020	344,318	0,197
65+4,351	-4,020	344,405	0,388	-4,020	344,017	-3,500	344,262	-3,00	344,376	344,367	0,009	3,500	344,472	3,00	4,020	344,258	4,020	344,416	0,158
66	-4,020	344,920	0,231	-4,020	344,689	-3,500	344,935	-3,00	345,030	345,040	-0,010	3,500	345,145	3,00	4,020	344,931	4,020	345,188	0,257
66+0,265	-4,020	344,931	0,227	-4,020	344,704	-3,500	344,949	-3,00	345,042	345,054	-0,012	3,500	345,159	3,00	4,020	344,945	4,020	345,202	0,257
66+4,351	-4,020	345,097	0,157	-4,020	344,940	-3,500	345,185	-3,00	345,252	345,290	-0,038	3,500	345,395	3,00	4,020	345,181	4,020	345,419	0,238
67	-4,020	346,169	0,279	-4,020	345,890	-3,500	346,136	-3,00	346,204	346,241	-0,037	3,500	346,346	3,00	4,020	346,132	4,020	346,535	0,403
67+10,000	-4,020	346,816	0,318	-4,020	346,498	-3,500	346,744	-3,00	346,863	346,849	0,014	3,500	346,954	3,00	4,020	346,739	4,020	347,185	0,446
68	-4,020	347,362	0,287	-4,020	347,075	-3,500	347,320	-3,00	347,456	347,425	0,031	3,500	347,530	3,00	4,020	347,316	4,020	347,610	0,294
68+7,662	-4,020	347,819	0,344	-4,020	347,475	-3,500	347,721	-3,00	347,843	347,826	0,017	3,500	347,931	3,00	4,020	347,716	4,020	347,984	0,268
68+10,000	-4,020	347,961	0,371	-4,020	347,590	-3,500	347,836	-3,00	347,960	347,941	0,020	3,500	348,046	3,00	4,020	347,831	4,020	348,100	0,269
69	-4,020	348,422	0,348	-4,020	348,074	-3,500	348,320	-3,00	348,458	348,425	0,033	3,500	348,530	3,00	4,020	348,316	4,021	348,831	0,515
70	-4,020	349,379	0,336	-4,020	349,043	-3,500	349,289	-3,00	349,435	349,394	0,041	3,500	349,499	3,00	4,020	349,285	4,020	349,653	0,368
71	-4,020	350,230	0,218	-4,020	350,012	-3,500	350,258	-3,00	350,363	350,363	0,000	3,500	350,468	3,00	4,020	350,254	4,020	350,529	0,275
71+6,346	-4,020	350,513	0,228	-4,020	350,285	-3,500	350,531	-3,00	350,667	350,636	0,031	3,500	350,741	3,00	4,020	350,527	4,020	350,795	0,268
72	-4,020	351,163	0,290	-4,020	350,873	-3,500	351,119	-3,00	351,257	351,224	0,034	3,500	351,329	3,00	4,020	351,114	4,021	351,590	0,476
73	-4,020	352,057	0,324	-4,020	351,733	-3,500	351,979	-3,00	352,088	352,084	0,004	3,500	352,189	3,00	4,020	351,975	4,021	352,451	0,476
74	-4,020	352,941	0,347	-4,020	352,594	-3,500	352,840	-3,00	352,948	352,945	0,004	3,500	353,050	3,00	4,020	352,835	4,020	353,277	0,442
75	-4,020	353,784	0,330	-4,020	353,454	-3,500	353,700	-3,00	353,806	353,805	0,001	3,500	353,910	3,00	4,020	353,696	4,020	354,134	0,438
76	-4,020	354,497	0,302	-4,020	354,195	-3,500	354,441	-3,00	354,584	354,546	0,038	3,500	354,651	3,00	4,020	354,437	4,020	354,875	0,438
76+10,000	-4,020	354,815	0,249	-4,020	354,566	-3,500	354,812	-3,00	354,944	354,917	0,028	3,500	355,022	3,00	4,020	354,807	4,020	355,081	0,274
77	-4,020	355,228	0,307	-4,020	354,921	-3,500	355,167	-3,00	355,292	355,272	0,020	3,500	355,377	3,00	4,020	355,163	4,020	355,427	0,264
77+10,000	-4,020	355,687	0,440	-4,020	355,247	-3,500	355,492	-3,00	355,617	355,597	0,020	3,500	355,702	3,00	4,020	355,488	4,021	356,035	0,547
78	-4,020	355,979	0,422	-4,020	355,557	-3,500	355,803	-3,00	355,902	355,908	-0,006	3,500	356,013	3,00	4,020	355,798	4,020	356,235	0,437
79	-4,020	356,455	0,278	-4,020	356,177	-3,500	356,423	-3,00	356,528	356,528	0,000	3,500	356,633	3,00	4,020	356,419	4,020	356,639	0,220
80	-4,020	356,983	0,296	-4,020	356,687	-3,500	356,933	-3,00	356,995	357,038	-0,043	3,500	357,143	3,00	4,020	356,928	4,020	357,081	0,153
80+1,068	-4,020	357,018	0,304	-4,020	356,714	-3,500	356,960	-3,00	357,020	357,065	-0,045	3,500	357,170	3,00	4,020	356,955	4,020	357,142	0,187

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
81	-4,020	357,575	0,379	-4,020	357,196	-3,500	357,442	-3,00	357,596	357,547	0,049	3,500	357,652	3,00	4,020	357,438	4,020	357,882	0,444
82	-4,020	358,302	0,411	-4,020	357,891	-3,500	358,137	-3,00	358,285	358,242	0,043	3,500	358,347	3,00	4,020	358,133	4,020	358,538	0,405
83	-4,020	358,988	0,401	-4,020	358,587	-3,500	358,832	-3,00	358,923	358,937	-0,014	3,500	359,042	3,00	4,020	358,828	4,020	359,102	0,274
84	-4,020	359,695	0,413	-4,020	359,282	-3,500	359,527	-3,00	359,622	359,632	-0,010	3,500	359,737	3,00	4,020	359,523	4,020	359,779	0,256
84+1,849	-4,020	359,747	0,401	-4,020	359,346	-3,500	359,591	-3,00	359,686	359,696	-0,010	3,500	359,801	3,00	4,020	359,587	4,020	359,868	0,281
85	-4,020	360,242	0,329	-4,020	359,913	-3,500	360,159	-3,00	360,215	360,264	-0,049	3,500	360,369	3,00	4,020	360,155	4,020	360,368	0,213
85+1,849	-4,020	360,293	0,329	-4,020	359,964	-3,500	360,210	-3,00	360,268	360,315	-0,047	3,500	360,420	3,00	4,020	360,205	4,020	360,413	0,208
86	-4,020	360,845	0,389	-4,020	360,456	-3,500	360,701	-3,00	360,800	360,806	-0,006	3,500	360,911	3,00	4,020	360,697	4,020	360,936	0,239
86+13,000	-4,020	361,197	0,390	-4,020	360,807	-3,500	361,053	-3,00	361,159	361,158	0,001	3,500	361,263	3,00	4,020	361,049	4,020	361,335	0,286
87	-4,020	361,423	0,390	-4,020	361,033	-3,500	361,274	-2,10	361,341	361,348	-0,007	3,500	361,421	2,10	4,020	361,202	4,020	361,423	0,221
87+3,377	-4,020	361,494	0,352	-4,020	361,142	-3,500	361,381	-1,67	361,439	361,439	0,000	3,500	361,497	1,67	4,020	361,276	4,020	361,524	0,248

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+3,362	-3,820	359,495	0,359	-3,820	359,136	-3,300	359,344	4,10	359,209	359,209	0,000	3,300	359,040	-5,12	3,820	358,783	3,820	359,083	0,300
0+7,411	-3,820	359,383	0,319	-3,820	359,064	-3,300	359,280	2,66	359,115	359,192	-0,077	3,300	359,104	-2,66	3,820	358,860	3,820	358,917	0,057
0+10,811	-3,820	359,267	0,101	-3,820	359,166	-3,300	359,382	2,66	359,104	359,294	-0,190	3,300	359,206	-2,66	3,820	358,962	3,824	358,959	-0,003
0+14,211	-3,820	359,275	0,007	-3,820	359,268	-3,300	359,484	2,66	359,124	359,396	-0,272	3,300	359,308	-2,66	3,820	359,064	3,950	358,977	-0,087
1	-3,820	359,332	0,289	-3,820	359,043	-3,300	359,257	3,10	359,154	359,155	-0,001	3,300	359,052	-3,10	3,820	358,806	3,820	358,994	0,188
1+2,028	-3,820	359,306	0,341	-3,820	358,965	-3,300	359,178	3,26	359,144	359,070	0,074	3,300	358,962	-3,26	3,820	358,715	3,820	358,977	0,262
1+5,328	-3,820	359,243	0,377	-3,820	358,866	-3,300	359,079	3,26	359,090	358,971	0,119	3,300	358,863	-3,26	3,820	358,616	3,820	358,924	0,308
1+8,628	-3,820	359,157	0,390	-3,820	358,767	-3,300	358,980	3,26	358,976	358,872	0,104	3,300	358,764	-3,26	3,820	358,517	3,820	358,845	0,328
2	-3,821	359,015	0,538	-3,820	358,477	-3,300	358,691	3,00	358,724	358,592	0,132	3,300	358,493	-3,00	3,820	358,248	3,820	358,533	0,285
3	-3,821	358,564	0,579	-3,820	357,985	-3,300	358,199	3,00	358,269	358,100	0,169	3,300	358,001	-3,00	3,820	357,756	3,820	358,138	0,382
4	-3,821	358,007	0,514	-3,820	357,493	-3,300	357,707	3,00	357,751	357,608	0,143	3,300	357,509	-3,00	3,820	357,264	3,820	357,641	0,377
5	-3,821	357,422	0,489	-3,820	356,933	-3,300	357,148	3,00	357,164	357,049	0,115	3,300	356,950	-3,00	3,820	356,704	3,820	357,126	0,422
5+7,000	-3,821	357,223	0,485	-3,820	356,738	-3,300	356,952	3,00	356,978	356,853	0,125	3,300	356,754	-3,00	3,820	356,508	3,820	356,920	0,412
5+17,000	-3,820	356,938	0,441	-3,820	356,497	-3,300	356,711	3,00	356,713	356,612	0,101	3,300	356,513	-3,00	3,820	356,268	3,820	356,559	0,291
6	-3,820	356,852	0,413	-3,820	356,439	-3,300	356,654	3,00	356,633	356,555	0,078	3,300	356,456	-3,00	3,820	356,210	3,820	356,576	0,366
6+7,702	-3,820	356,534	0,214	-3,820	356,320	-3,300	356,534	3,00	356,435	356,435	0,000	3,300	356,336	-3,00	3,820	356,090	3,820	356,320	0,230

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+4,295	-3,820	359,733	0,221	-3,820	359,512	-3,300	359,735	1,45	359,687	359,687	0,000	3,300	359,592	-2,87	3,820	359,347	3,820	359,621	0,274
0+7,540	-3,820	359,681	0,254	-3,820	359,427	-3,300	359,643	2,66	359,618	359,555	0,063	3,300	359,467	-2,66	3,820	359,223	3,820	359,508	0,285
0+10,940	-3,820	359,735	0,206	-3,820	359,529	-3,300	359,745	2,66	359,627	359,657	-0,030	3,300	359,569	-2,66	3,820	359,325	3,820	359,496	0,171
0+14,340	-3,820	359,841	0,210	-3,820	359,631	-3,300	359,847	2,66	359,669	359,759	-0,090	3,300	359,671	-2,66	3,820	359,427	3,820	359,515	0,088
1	-3,820	359,867	0,396	-3,820	359,471	-3,300	359,685	3,09	359,698	359,583	0,115	3,300	359,481	-3,09	3,820	359,235	3,820	359,573	0,338
1+2,150	-3,820	359,801	0,390	-3,820	359,411	-3,300	359,624	3,26	359,646	359,516	0,130	3,300	359,408	-3,26	3,820	359,161	3,820	359,501	0,340
1+5,450	-3,820	359,596	0,284	-3,820	359,312	-3,300	359,525	3,26	359,478	359,417	0,061	3,300	359,309	-3,26	3,820	359,062	3,820	359,403	0,341
1+8,750	-3,820	359,440	0,227	-3,820	359,213	-3,300	359,426	3,26	359,326	359,318	0,008	3,300	359,210	-3,26	3,820	358,963	3,820	359,269	0,306
2	-3,820	359,179	0,438	-3,820	358,741	-3,300	358,986	-3,00	358,995	359,085	-0,090	3,300	359,184	3,00	3,820	358,970	3,820	359,158	0,188
2+10,000	-3,820	358,851	0,372	-3,820	358,479	-3,300	358,724	-3,00	358,713	358,823	-0,110	3,300	358,922	3,00	3,820	358,708	3,820	358,913	0,205
3	-3,820	358,574	0,386	-3,820	358,188	-3,300	358,433	-3,00	358,470	358,532	-0,062	3,300	358,631	3,00	3,820	358,417	3,820	358,643	0,226
4	-3,820	358,022	0,417	-3,820	357,605	-3,300	357,851	-3,00	357,936	357,950	-0,014	3,300	358,049	3,00	3,820	357,835	3,820	358,096	0,261
5	-3,820	357,304	0,431	-3,820	356,873	-3,300	357,119	-3,00	357,346	357,218	0,128	3,300	357,317	3,00	3,820	357,102	3,820	357,518	0,416
5+2,000	-3,821	357,290	0,478	-3,820	356,812	-3,300	357,056	-2,68	357,289	357,144	0,145	3,300	357,233	2,68	3,820	357,017	3,820	357,457	0,440
5+12,000	-3,820	357,007	0,418	-3,820	356,589	-3,300	356,824	-1,07	357,004	356,860	0,144	3,300	356,895	1,07	3,820	356,671	3,821	357,152	0,481
6	-3,820	356,684	0,157	-3,820	356,527	-3,300	356,756	0,21	356,775	356,749	0,026	3,300	356,742	-0,21	3,820	356,511	3,820	356,908	0,397
6+2,000	-3,820	356,635	0,107	-3,820	356,528	-3,300	356,756	0,53	356,718	356,738	-0,020	3,300	356,720	-0,53	3,820	356,488	3,820	356,847	0,359
6+7,765	-3,820	356,754	0,213	-3,820	356,541	-3,300	356,763	1,46	356,715	356,715	0,000	3,300	356,667	-1,46	3,820	356,429	3,820	356,677	0,248

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+14,495	-4,021	368,525	0,491	-4,020	368,034	-3,500	368,259	0,81	368,502	368,231	0,271	3,500	368,203	-0,81	4,020	367,968	4,021	368,428	0,460
0+17,995	-4,021	368,494	0,565	-4,020	367,929	-3,500	368,154	0,81	368,449	368,126	0,323	3,500	368,098	-0,81	4,020	367,863	4,020	368,206	0,343
1	-4,021	368,465	0,486	-4,020	367,979	-3,500	368,203	1,25	368,428	368,159	0,269	3,500	368,115	-1,25	4,020	367,879	4,020	368,156	0,277
1+8,000	-4,020	368,547	0,366	-4,020	368,181	-3,500	368,396	3,00	368,424	368,291	0,133	3,500	368,186	-3,00	4,020	367,940	4,020	368,371	0,431
1+10,000	-4,020	368,563	0,349	-4,020	368,214	-3,500	368,429	3,00	368,442	368,324	0,118	3,500	368,219	-3,00	4,020	367,973	4,020	368,392	0,419
2	-4,020	368,644	0,295	-4,020	368,349	-3,500	368,563	3,00	368,583	368,458	0,125	3,500	368,353	-3,00	4,020	368,107	4,020	368,484	0,377
2+10,000	-4,020	368,701	0,278	-4,020	368,423	-3,500	368,637	3,00	368,641	368,532	0,109	3,500	368,427	-3,00	4,020	368,182	4,020	368,553	0,371
3	-4,020	368,741	0,274	-4,020	368,467	-3,500	368,681	3,00	368,654	368,576	0,078	3,500	368,471	-3,00	4,020	368,226	4,020	368,594	0,368
4	-4,020	368,708	0,321	-4,020	368,387	-3,500	368,601	3,00	368,628	368,496	0,132	3,500	368,391	-3,00	4,020	368,146	4,020	368,576	0,430
5	-4,020	368,607	0,300	-4,020	368,307	-3,500	368,521	3,00	368,525	368,416	0,109	3,500	368,311	-3,00	4,020	368,066	4,020	368,397	0,331
5+17,084	-4,020	368,492	0,254	-4,020	368,238	-3,500	368,453	3,00	368,512	368,348	0,164	3,500	368,243	-3,00	4,020	367,997	4,021	368,529	0,532
6	-4,020	368,515	0,288	-4,020	368,227	-3,500	368,441	3,00	368,533	368,336	0,197	3,500	368,231	-3,00	4,020	367,986	4,021	368,535	0,549
6+1,113	-4,020	368,521	0,299	-4,020	368,222	-3,500	368,437	3,00	368,542	368,332	0,210	3,500	368,227	-3,00	4,020	367,981	4,021	368,547	0,566
7	-4,021	368,655	0,508	-4,020	368,147	-3,500	368,361	3,00	368,462	368,256	0,206	3,500	368,151	-3,00	4,020	367,906	4,021	368,464	0,558
8	-4,020	368,460	0,393	-4,020	368,067	-3,500	368,281	3,00	368,356	368,176	0,180	3,500	368,071	-3,00	4,020	367,826	4,021	368,316	0,490
9	-4,020	368,329	0,342	-4,020	367,987	-3,500	368,201	3,00	368,238	368,096	0,142	3,500	367,991	-3,00	4,020	367,746	4,021	368,206	0,460
10	-4,020	368,188	0,294	-4,020	367,894	-3,500	368,109	3,00	368,091	368,004	0,087	3,500	367,899	-3,00	4,020	367,653	4,020	368,068	0,415
11	-4,020	367,903	0,101	-4,020	367,802	-3,500	368,016	3,00	367,948	367,911	0,037	3,500	367,806	-3,00	4,020	367,561	4,020	367,958	0,397
11+10,261	-4,020	367,918	0,226	-4,020	367,692	-3,500	367,907	3,00	367,905	367,802	0,103	3,500	367,697	-3,00	4,020	367,451	4,020	367,896	0,445
11+14,210	-4,020	367,885	0,235	-4,020	367,650	-3,500	367,864	3,00	367,870	367,759	0,111	3,500	367,654	-3,00	4,020	367,409	4,020	367,857	0,448
12	-4,020	367,836	0,248	-4,020	367,588	-3,500	367,802	3,00	367,819	367,697	0,122	3,500	367,592	-3,00	4,020	367,347	4,020	367,739	0,392
13	-4,020	367,751	0,377	-4,020	367,374	-3,500	367,588	3,00	367,594	367,483	0,111	3,500	367,378	-3,00	4,020	367,133	4,020	367,529	0,396
14	-4,020	367,528	0,368	-4,020	367,160	-3,500	367,375	3,00	367,339	367,270	0,069	3,500	367,165	-3,00	4,020	366,919	4,020	367,329	0,410
15	-4,020	367,300	0,354	-4,020	366,946	-3,500	367,161	3,00	367,178	367,056	0,122	3,500	366,951	-3,00	4,020	366,705	4,020	367,078	0,373
16	-4,020	367,151	0,419	-4,020	366,732	-3,500	366,947	3,00	367,029	366,842	0,187	3,500	366,737	-3,00	4,020	366,491	4,020	366,884	0,393
16+17,473	-4,020	366,894	0,232	-4,020	366,662	-3,500	366,877	3,00	366,887	366,772	0,115	3,500	366,667	-3,00	4,020	366,421	4,020	366,691	0,270
17	-4,020	366,873	0,221	-4,020	366,652	-3,500	366,867	3,00	366,866	366,762	0,104	3,500	366,657	-3,00	4,020	366,411	4,020	366,685	0,274
17+10,776	-4,020	366,780	0,171	-4,020	366,609	-3,500	366,824	3,00	366,773	366,719	0,054	3,500	366,614	-3,00	4,020	366,368	4,020	366,691	0,323
18	-4,020	366,692	0,120	-4,020	366,572	-3,500	366,787	3,00	366,692	366,682	0,010	3,500	366,577	-3,00	4,020	366,331	4,020	366,555	0,224
18+18,686	-4,020	366,653	0,249	-4,020	366,404	-3,500	366,630	0,67	366,577	366,607	-0,030	3,500	366,438	-4,82	4,020	366,183	4,020	366,461	0,278
24+10,690	-3,920	366,673	0,307	-3,920	366,366	-3,400	366,576	3,86	366,415	366,445	-0,030	3,400	366,341	-3,05	3,920	366,095	3,920	366,440	0,345

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
25	-3,920	366,704	0,439	-3,920	366,265	-3,400	366,479	3,08	366,434	366,374	0,060	3,400	366,272	-3,00	3,920	366,026	3,920	366,408	0,382
25+1,000	-3,920	366,702	0,445	-3,920	366,257	-3,400	366,472	3,00	366,433	366,370	0,063	3,400	366,268	-3,00	3,920	366,022	3,920	366,400	0,378
26	-3,921	366,654	0,473	-3,920	366,181	-3,400	366,396	3,00	366,396	366,294	0,102	3,400	366,192	-3,00	3,920	365,946	3,920	366,340	0,394
27	-3,921	366,573	0,472	-3,920	366,101	-3,400	366,316	3,00	366,299	366,214	0,085	3,400	366,112	-3,00	3,920	365,866	3,920	366,307	0,441
28	-3,920	366,420	0,399	-3,920	366,021	-3,400	366,236	3,00	366,163	366,134	0,029	3,400	366,032	-3,00	3,920	365,786	3,920	366,199	0,413
28+3,000	-3,920	366,398	0,389	-3,920	366,009	-3,400	366,224	3,00	366,140	366,122	0,018	3,400	366,020	-3,00	3,920	365,774	3,920	366,161	0,387
29	-3,920	366,044	0,254	-3,920	365,790	-3,400	366,005	3,00	365,949	365,903	0,046	3,400	365,801	-3,00	3,920	365,555	3,920	365,831	0,276
29+4,851	-3,920	365,965	0,237	-3,920	365,728	-3,400	365,942	3,00	365,889	365,840	0,049	3,400	365,738	-3,00	3,920	365,493	3,920	365,763	0,270
30	-3,920	365,933	0,400	-3,920	365,533	-3,400	365,747	3,00	365,675	365,645	0,030	3,400	365,543	-3,00	3,920	365,297	3,920	365,705	0,408
31	-3,920	365,585	0,310	-3,920	365,275	-3,400	365,489	3,00	365,387	365,387	0,000	3,400	365,285	-3,00	3,920	365,040	3,920	365,434	0,394
32	-3,920	365,319	0,395	-3,920	364,924	-3,400	365,138	3,00	365,076	365,036	0,040	3,400	364,934	-3,00	3,920	364,689	3,920	364,977	0,288
33	-3,920	364,765	0,192	-3,920	364,573	-3,400	364,788	3,00	364,701	364,686	0,015	3,400	364,584	-3,00	3,920	364,338	3,920	364,738	0,400
33+2,259	-3,920	364,722	0,188	-3,920	364,534	-3,400	364,748	3,00	364,664	364,646	0,018	3,400	364,544	-3,00	3,920	364,298	3,920	364,690	0,392
34	-3,920	364,601	0,379	-3,920	364,222	-3,400	364,437	3,00	364,351	364,335	0,016	3,400	364,233	-3,00	3,920	363,987	3,920	364,408	0,421
35	-3,920	364,250	0,379	-3,920	363,871	-3,400	364,086	3,00	364,020	363,984	0,036	3,400	363,882	-3,00	3,920	363,636	3,920	363,966	0,330
35+1,991	-3,920	364,216	0,380	-3,920	363,836	-3,400	364,051	3,00	363,976	363,949	0,027	3,400	363,847	-3,00	3,920	363,601	3,920	363,901	0,300
36	-3,920	363,909	0,388	-3,920	363,521	-3,400	363,735	3,00	363,645	363,633	0,012	3,400	363,531	-3,00	3,920	363,285	3,920	363,670	0,385
37	-3,920	363,546	0,404	-3,920	363,142	-3,400	363,356	3,00	363,282	363,254	0,028	3,400	363,152	-3,00	3,920	362,906	3,920	363,308	0,402
38	-3,920	363,132	0,369	-3,920	362,763	-3,400	362,977	3,00	362,875	362,875	0,000	3,400	362,773	-3,00	3,920	362,528	3,920	362,917	0,389
39	-3,920	362,673	0,407	-3,920	362,266	-3,400	362,480	3,00	362,425	362,378	0,047	3,400	362,276	-3,00	3,920	362,031	3,920	362,474	0,443
40	-3,920	362,174	0,405	-3,920	361,769	-3,400	361,983	3,00	361,902	361,881	0,021	3,400	361,779	-3,00	3,920	361,534	3,920	361,844	0,310
40+19,054	-3,920	361,498	0,202	-3,920	361,296	-3,400	361,510	3,00	361,389	361,408	-0,019	3,400	361,306	-3,00	3,920	361,060	3,920	361,342	0,282
41	-3,920	361,474	0,202	-3,920	361,272	-3,400	361,486	3,00	361,362	361,384	-0,022	3,400	361,282	-3,00	3,920	361,037	3,920	361,305	0,268
42	-3,920	361,100	0,361	-3,920	360,739	-3,400	360,953	3,00	360,845	360,851	-0,006	3,400	360,749	-3,00	3,920	360,504	3,920	360,909	0,405
43	-3,920	360,494	0,288	-3,920	360,206	-3,400	360,421	3,00	360,316	360,319	-0,003	3,400	360,217	-3,00	3,920	359,971	3,920	360,362	0,391
44	-3,920	359,891	0,218	-3,920	359,673	-3,400	359,888	3,00	359,765	359,786	-0,021	3,400	359,684	-3,00	3,920	359,438	3,920	359,703	0,265
44+4,832	-3,920	359,676	0,131	-3,920	359,545	-3,400	359,759	3,00	359,627	359,657	-0,030	3,400	359,555	-3,00	3,920	359,309	3,920	359,623	0,314
44+18,452	-3,994	359,133	-0,049	-3,920	359,182	-3,400	359,396	3,00	359,104	359,294	-0,190	3,400	359,192	-3,00	3,920	358,946	3,920	359,129	0,183
45	-4,027	359,068	-0,072	-3,920	359,140	-3,400	359,355	3,00	359,021	359,253	-0,232	3,400	359,151	-3,00	3,920	358,905	3,920	359,055	0,150
46	-3,920	358,849	0,242	-3,920	358,607	-3,400	358,822	3,00	358,609	358,720	-0,111	3,400	358,618	-3,00	3,920	358,372	3,920	358,646	0,274
47	-3,921	358,526	0,451	-3,920	358,075	-3,400	358,289	3,00	358,295	358,187	0,108	3,400	358,085	-3,00	3,920	357,839	3,921	358,321	0,482

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
48	-3,921	358,148	0,462	-3,920	357,686	-3,400	357,900	3,00	357,882	357,798	0,084	3,400	357,696	-3,00	3,920	357,450	3,921	357,939	0,489
49	-3,920	357,609	0,312	-3,920	357,297	-3,400	357,511	3,00	357,411	357,409	0,002	3,400	357,307	-3,00	3,920	357,061	3,921	357,523	0,462
50	-3,920	356,898	0,185	-3,920	356,713	-3,400	356,927	3,00	356,876	356,825	0,051	3,400	356,723	-3,00	3,920	356,478	3,920	356,667	0,189
50+5,279	-3,920	356,754	0,195	-3,920	356,559	-3,400	356,773	3,00	356,734	356,671	0,063	3,400	356,569	-3,00	3,920	356,324	3,920	356,612	0,288
50+10,000	-3,920	356,627	0,206	-3,920	356,421	-3,400	356,636	3,00	356,621	356,534	0,087	3,400	356,432	-3,00	3,920	356,186	3,920	356,554	0,368
50+18,871	-3,920	356,364	0,223	-3,920	356,141	-3,400	356,355	3,00	356,264	356,253	0,011	3,400	356,151	-3,00	3,920	355,905	3,920	356,164	0,259
51	-3,920	356,306	0,204	-3,920	356,102	-3,400	356,316	3,00	356,211	356,214	-0,003	3,400	356,112	-3,00	3,920	355,867	3,920	356,108	0,241
51+10,000	-3,920	355,965	0,238	-3,920	355,727	-3,400	355,941	3,00	355,819	355,839	-0,020	3,400	355,737	-3,00	3,920	355,492	3,920	355,833	0,341
52	-3,920	355,647	0,323	-3,920	355,324	-3,400	355,539	3,00	355,474	355,437	0,037	3,400	355,335	-3,00	3,920	355,089	3,920	355,508	0,419
52+10,000	-3,920	355,331	0,409	-3,920	354,922	-3,400	355,136	3,00	355,113	355,034	0,079	3,400	354,932	-3,00	3,920	354,686	3,920	355,111	0,425
53	-3,920	354,899	0,412	-3,920	354,487	-3,400	354,702	3,00	354,706	354,600	0,106	3,400	354,498	-3,00	3,920	354,252	3,920	354,610	0,358
53+10,000	-3,920	354,397	0,407	-3,920	353,990	-3,400	354,204	3,00	354,235	354,102	0,133	3,400	354,000	-3,00	3,920	353,755	3,920	354,132	0,377
54	-3,920	353,756	0,295	-3,920	353,461	-3,400	353,675	3,00	353,566	353,573	-0,007	3,400	353,471	-3,00	3,920	353,225	3,920	353,660	0,435
54+15,000	-3,920	352,899	0,232	-3,920	352,667	-3,400	352,881	3,00	352,763	352,779	-0,016	3,400	352,677	-3,00	3,920	352,431	3,920	352,737	0,306
55	-3,920	352,675	0,392	-3,920	352,283	-3,400	352,514	-0,02	352,534	352,514	0,020	3,400	352,515	0,02	3,920	352,285	3,920	352,639	0,354
55+4,311	-3,921	352,496	0,543	-3,920	351,953	-3,400	352,197	-2,63	352,354	352,286	0,068	3,400	352,376	2,63	3,920	352,159	3,920	352,529	0,370
55+5,732	-3,921	352,430	0,586	-3,920	351,844	-3,400	352,092	-3,49	352,339	352,211	0,128	3,400	352,330	3,49	3,920	352,118	3,920	352,523	0,405
55+9,032	-3,920	352,144	0,201	-3,920	351,943	-3,400	352,191	-3,49	352,330	352,310	0,020	3,400	352,429	3,49	3,920	352,217	3,920	352,545	0,328

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+14,498	-4,020	368,532	0,381	-4,020	368,151	-3,500	368,376	0,81	368,559	368,348	0,211	3,500	368,320	-0,81	4,020	368,085	4,021	368,546	0,461
0+17,998	-4,020	368,404	0,358	-4,020	368,046	-3,500	368,271	0,81	368,534	368,243	0,291	3,500	368,215	-0,81	4,020	367,980	4,021	368,514	0,534
1	-4,020	368,359	0,307	-4,020	368,052	-3,500	368,279	0,46	368,481	368,263	0,218	3,500	368,247	-0,46	4,020	368,015	4,021	368,496	0,481
2	-4,021	368,573	0,459	-4,020	368,114	-3,500	368,359	-3,00	368,650	368,464	0,186	3,500	368,569	3,00	4,020	368,355	4,020	368,721	0,366
3	-4,020	368,596	0,402	-4,020	368,194	-3,500	368,439	-3,00	368,713	368,544	0,169	3,500	368,649	3,00	4,020	368,435	4,020	368,807	0,372
3+16,000	-4,020	368,615	0,357	-4,020	368,258	-3,500	368,503	-3,00	368,686	368,608	0,078	3,500	368,713	3,00	4,020	368,499	4,020	368,782	0,283
4	-4,020	368,618	0,376	-4,020	368,242	-3,500	368,487	-3,00	368,666	368,592	0,074	3,500	368,697	3,00	4,020	368,483	4,020	368,756	0,273
5	-4,020	368,360	0,198	-4,020	368,162	-3,500	368,407	-3,00	368,526	368,512	0,014	3,500	368,617	3,00	4,020	368,403	4,020	368,615	0,212
5+12,788	-4,020	368,270	0,160	-4,020	368,110	-3,500	368,356	-3,00	368,431	368,461	-0,030	3,500	368,356	-3,00	4,020	368,110	4,020	368,424	0,314
24+4,425	-3,820	365,771	0,272	-3,820	365,499	-3,300	365,745	-3,00	365,814	365,844	-0,030	3,300	365,943	3,00	3,820	365,729	3,820	366,022	0,293
25	-3,820	365,795	0,390	-3,820	365,405	-3,300	365,651	-3,00	365,707	365,750	-0,043	3,300	365,849	3,00	3,820	365,634	3,820	366,034	0,400
26	-3,820	365,705	0,421	-3,820	365,284	-3,300	365,529	-3,00	365,618	365,628	-0,010	3,300	365,727	3,00	3,820	365,513	3,821	365,969	0,456
27	-3,820	365,541	0,379	-3,820	365,162	-3,300	365,408	-3,00	365,520	365,507	0,013	3,300	365,606	3,00	3,820	365,392	3,821	365,865	0,473
27+13,511	-3,820	365,343	0,262	-3,820	365,081	-3,300	365,326	-3,00	365,500	365,425	0,075	3,300	365,524	3,00	3,820	365,310	3,821	365,813	0,503
28	-3,820	365,396	0,355	-3,820	365,041	-3,300	365,287	-3,00	365,481	365,386	0,095	3,300	365,485	3,00	3,820	365,270	3,821	365,778	0,508
29	-3,821	365,416	0,496	-3,820	364,920	-3,300	365,166	-3,00	365,376	365,265	0,111	3,300	365,364	3,00	3,820	365,149	3,820	365,539	0,390
29+10,721	-3,820	365,288	0,433	-3,820	364,855	-3,300	365,101	-3,00	365,313	365,200	0,113	3,300	365,299	3,00	3,820	365,084	3,820	365,413	0,329
30	-3,820	365,241	0,442	-3,820	364,799	-3,300	365,044	-3,00	365,241	365,143	0,098	3,300	365,242	3,00	3,820	365,028	3,821	365,483	0,455
30+10,000	-3,820	365,154	0,416	-3,820	364,738	-3,300	364,984	-3,00	365,172	365,083	0,089	3,300	365,182	3,00	3,820	364,967	3,820	365,417	0,450
31	-3,820	364,990	0,341	-3,820	364,649	-3,300	364,895	-3,00	365,036	364,994	0,042	3,300	365,093	3,00	3,820	364,879	3,820	365,317	0,438
31+10,000	-3,820	364,814	0,309	-3,820	364,505	-3,300	364,751	-3,00	364,888	364,850	0,038	3,300	364,949	3,00	3,820	364,734	3,821	365,207	0,473
32	-3,820	364,594	0,261	-3,820	364,333	-3,300	364,578	-3,00	364,702	364,677	0,025	3,300	364,776	3,00	3,820	364,562	3,820	365,011	0,449
33	-3,820	364,243	0,255	-3,820	363,988	-3,300	364,233	-3,00	364,354	364,332	0,022	3,300	364,431	3,00	3,820	364,217	3,820	364,501	0,284
33+2,283	-3,820	364,209	0,261	-3,820	363,948	-3,300	364,194	-3,00	364,321	364,293	0,028	3,300	364,392	3,00	3,820	364,178	3,820	364,463	0,285
34	-3,820	364,069	0,426	-3,820	363,643	-3,300	363,888	-3,00	364,008	363,987	0,021	3,300	364,086	3,00	3,820	363,872	3,820	364,298	0,426
35	-3,820	363,633	0,335	-3,820	363,298	-3,300	363,544	-3,00	363,670	363,643	0,027	3,300	363,742	3,00	3,820	363,527	3,820	363,957	0,430
36	-3,820	363,296	0,343	-3,820	362,953	-3,300	363,199	-3,00	363,346	363,298	0,048	3,300	363,397	3,00	3,820	363,182	3,820	363,629	0,447
37	-3,820	363,001	0,393	-3,820	362,608	-3,300	362,854	-3,00	362,943	362,953	-0,010	3,300	363,052	3,00	3,820	362,837	3,820	363,223	0,386
38	-3,820	362,573	0,403	-3,820	362,170	-3,300	362,415	-3,00	362,508	362,514	-0,006	3,300	362,613	3,00	3,820	362,399	3,820	362,770	0,371
38+9,728	-3,820	362,176	0,219	-3,820	361,957	-3,300	362,202	-3,00	362,289	362,301	-0,012	3,300	362,400	3,00	3,820	362,186	3,820	362,566	0,380
39	-3,820	362,129	0,397	-3,820	361,732	-3,300	361,977	-3,00	362,058	362,076	-0,018	3,300	362,175	3,00	3,820	361,961	3,820	362,349	0,388

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
40	-3,820	361,589	0,359	-3,820	361,230	-3,300	361,475	-3,00	361,588	361,574	0,014	3,300	361,673	3,00	3,820	361,459	3,820	361,874	0,415
41	-3,820	361,131	0,403	-3,820	360,728	-3,300	360,974	-3,00	361,099	361,073	0,026	3,300	361,172	3,00	3,820	360,957	3,820	361,238	0,281
41+5,002	-3,820	360,986	0,383	-3,820	360,603	-3,300	360,848	-3,00	360,986	360,947	0,039	3,300	361,046	3,00	3,820	360,832	3,820	361,103	0,271
42	-3,820	360,578	0,351	-3,820	360,227	-3,300	360,472	-3,00	360,666	360,571	0,095	3,300	360,670	3,00	3,820	360,456	3,820	360,877	0,421
43	-3,820	360,121	0,396	-3,820	359,725	-3,300	359,971	-3,00	360,166	360,070	0,096	3,300	360,169	3,00	3,820	359,954	3,820	360,384	0,430
44	-3,820	359,440	0,217	-3,820	359,223	-3,300	359,469	-3,00	359,617	359,568	0,049	3,300	359,667	3,00	3,820	359,453	3,820	359,857	0,404
44+4,623	-3,820	359,308	0,235	-3,820	359,073	-3,300	359,318	-3,00	359,478	359,417	0,061	3,300	359,516	3,00	3,820	359,302	3,820	359,665	0,363
44+18,320	-3,820	358,965	0,339	-3,820	358,626	-3,300	358,872	-3,00	359,090	358,971	0,119	3,300	359,070	3,00	3,820	358,855	3,820	359,148	0,293
45	-3,820	358,890	0,319	-3,820	358,571	-3,300	358,817	-3,00	359,018	358,916	0,102	3,300	359,015	3,00	3,820	358,801	3,820	359,076	0,275
46	-3,820	358,290	0,371	-3,820	357,919	-3,300	358,165	-3,00	358,352	358,264	0,088	3,300	358,363	3,00	3,820	358,149	3,821	358,625	0,476
47	-3,820	357,793	0,425	-3,820	357,368	-3,300	357,614	-3,00	357,819	357,713	0,106	3,300	357,812	3,00	3,820	357,597	3,821	358,079	0,482
48	-3,820	357,206	0,389	-3,820	356,817	-3,300	357,063	-3,00	357,236	357,162	0,074	3,300	357,261	3,00	3,820	357,046	3,821	357,497	0,451
49	-3,820	356,679	0,413	-3,820	356,266	-3,300	356,512	-3,00	356,699	356,611	0,088	3,300	356,710	3,00	3,820	356,495	3,821	356,979	0,484
50	-3,820	356,014	0,299	-3,820	355,715	-3,300	355,960	-3,00	356,157	356,059	0,098	3,300	356,158	3,00	3,820	355,944	3,820	356,278	0,334
50+3,295	-3,820	355,935	0,311	-3,820	355,624	-3,300	355,870	-3,00	356,083	355,969	0,114	3,300	356,068	3,00	3,820	355,853	3,820	356,200	0,347
50+15,009	-3,820	355,657	0,356	-3,820	355,301	-3,300	355,547	-3,00	355,732	355,646	0,086	3,300	355,745	3,00	3,820	355,530	3,820	355,910	0,380
51	-3,820	355,484	0,320	-3,820	355,164	-3,300	355,409	-3,00	355,638	355,508	0,130	3,300	355,607	3,00	3,820	355,393	3,820	355,799	0,406
51+10,000	-3,820	355,320	0,432	-3,820	354,888	-3,300	355,134	-3,00	355,317	355,233	0,084	3,300	355,332	3,00	3,820	355,117	3,821	355,602	0,485
52	-3,820	354,956	0,377	-3,820	354,579	-3,300	354,824	-3,00	354,977	354,923	0,054	3,300	355,022	3,00	3,820	354,808	3,820	355,242	0,434
52+10,000	-3,820	354,594	0,392	-3,820	354,202	-3,300	354,447	-3,00	354,633	354,546	0,087	3,300	354,645	3,00	3,820	354,431	3,820	354,876	0,445
53	-3,820	354,190	0,399	-3,820	353,791	-3,300	354,036	-3,00	354,235	354,135	0,100	3,300	354,234	3,00	3,820	354,020	3,821	354,471	0,451
54	-3,820	353,340	0,371	-3,820	352,969	-3,300	353,215	-3,00	353,388	353,314	0,074	3,300	353,413	3,00	3,820	353,198	3,820	353,576	0,378
54+11,066	-3,820	352,770	0,256	-3,820	352,514	-3,300	352,760	-3,00	352,894	352,859	0,035	3,300	352,958	3,00	3,820	352,744	3,820	353,062	0,318
55	-3,820	352,532	0,385	-3,820	352,147	-3,300	352,393	-3,00	352,486	352,492	-0,006	3,300	352,591	3,00	3,820	352,377	3,820	352,640	0,263
55+19,875	-3,820	351,585	0,439	-3,820	351,146	-3,300	351,394	-3,49	351,663	351,509	0,154	3,300	351,624	3,49	3,820	351,412	3,820	351,837	0,425
56	-3,820	351,587	0,438	-3,820	351,149	-3,300	351,398	-3,49	351,662	351,513	0,149	3,300	351,628	3,49	3,820	351,416	3,820	351,837	0,421
56+3,175	-3,820	351,442	0,197	-3,820	351,245	-3,300	351,493	-3,49	351,650	351,608	0,042	3,300	351,723	3,49	3,820	351,511	3,820	351,821	0,310

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+10,000	-3,820	352,998	0,376	-3,820	352,622	-3,300	352,871	-3,64	352,991	352,991	0,000	3,300	353,081	2,72	3,820	352,865	3,820	353,270	0,405
1	-3,820	352,647	0,350	-3,820	352,297	-3,300	352,543	-3,00	352,674	352,642	0,032	3,300	352,741	3,00	3,820	352,526	3,820	352,926	0,400
1+9,503	-3,820	352,236	0,271	-3,820	351,965	-3,300	352,211	-3,00	352,330	352,310	0,020	3,300	352,409	3,00	3,820	352,194	3,820	352,505	0,311
2	-3,820	352,010	0,412	-3,820	351,598	-3,300	351,844	-3,00	351,978	351,943	0,035	3,300	352,042	3,00	3,820	351,828	3,820	352,113	0,285
2+9,580	-3,820	351,521	0,257	-3,820	351,264	-3,300	351,509	-3,00	351,650	351,608	0,042	3,300	351,707	3,00	3,820	351,493	3,820	351,743	0,250
3	-3,820	351,264	0,372	-3,820	350,892	-3,300	351,139	-3,19	351,254	351,244	0,010	3,300	351,370	3,81	3,820	351,160	3,820	351,367	0,207
3+3,352	-3,820	351,102	0,330	-3,820	350,772	-3,300	351,019	-3,28	351,127	351,127	0,000	3,300	351,266	4,20	3,820	351,058	3,820	351,417	0,359

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	-6,271	332,174	0,466	-6,270	331,708	-5,750	331,954	-3,00	332,217	332,126	0,091	5,750	332,299	3,00	6,270	332,084	6,270	332,258	0,174
0+6,759	-6,270	331,826	0,153	-6,270	331,673	-5,750	331,919	-3,00	331,977	332,091	-0,114	5,750	332,264	3,00	6,270	332,049	6,270	332,160	0,111
0+14,682	-6,270	331,551	0,098	-6,270	331,453	-5,750	331,699	-3,00	331,821	331,871	-0,050	5,750	332,044	3,00	6,270	331,829	6,270	332,070	0,241
1	-6,270	331,670	0,238	-6,270	331,432	-5,750	331,677	-3,00	331,766	331,850	-0,084	5,750	332,022	3,00	6,270	331,808	6,270	332,038	0,230
1+1,441	-6,270	331,585	0,159	-6,270	331,426	-5,750	331,672	-3,00	331,782	331,844	-0,062	5,750	332,017	3,00	6,270	331,802	6,270	332,041	0,239

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	-6,468	332,369	-0,132	-6,270	332,501	-5,750	332,716	3,00	332,523	332,543	-0,020	5,750	332,371	-3,00	6,270	332,125	6,270	332,452	0,327
0+6,759	-6,979	332,365	-0,472	-6,270	332,837	-5,750	333,052	3,00	332,570	332,879	-0,309	5,750	332,822	-1,00	6,270	332,586	6,270	332,769	0,183
1	-6,317	332,263	-0,032	-6,270	332,295	-5,750	332,509	3,00	332,299	332,336	-0,037	5,750	332,175	-2,81	6,270	331,930	6,270	332,366	0,436
1+1,402	-6,270	332,243	0,006	-6,270	332,237	-5,750	332,452	3,00	332,247	332,279	-0,032	5,750	332,107	-3,00	6,270	331,861	6,270	332,258	0,397