



GOVERNO DO ESTADO DE MATO GROSSO
SECRETARIA DE ESTADO DE INFRAESTRUTURA E LOGÍSTICA
SUPERINTENDÊNCIA DE PROJETOS

PROJETO EXECUTIVO DE ENGENHARIA
PARA IMPLANTAÇÃO E PAVIMENTAÇÃO

RODOVIA : LINHA CABAÇÚ

TRECHO : ENTR. BR-364 - LINHA CABAÇÚ (KM 0,0 A KM 42,75)

EXTENSÃO : 42,75 KM

CÓDIGO S.R.E. : -

VOLUME ANEXO 3C - CÁLCULO DOS VOLUMES E NOTAS DE SERVIÇO
DE TERRAPLENAGEM

MARÇO/2022

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SUPERVISÃO : SUPERINTENDÊNCIA DE PROJETOS - SUPR
COORDENAÇÃO : COORDENADORIA DE ANÁLISE E APROVAÇÃO DE PROJETOS - COPR
DIREÇÃO : SECRETARIA ADJUNTA DE OBRAS RODOVIÁRIAS - SAOR
CONCESSORES : **PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO - MT**
ELABORAÇÃO : PLANEJE - PROJETOS, ENGENHARIA E SUPERVISÃO
RESP. TÉCNICO : ENGº LOURIVALDO PEREIRA DE SOUSA FILHO RNP: 1204894655
ART Nº : 1220210174633

VOLUME ANEXO 3C - CÁLCULO DOS VOLUMES E NOTAS DE SERVIÇO
DE TERRAPLENAGEM

Elaboração:



MARÇO/2022

1.0 - SUMÁRIO

SUMÁRIO

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2.0 - APRESENTAÇÃO

2.0 – APRESENTAÇÃO

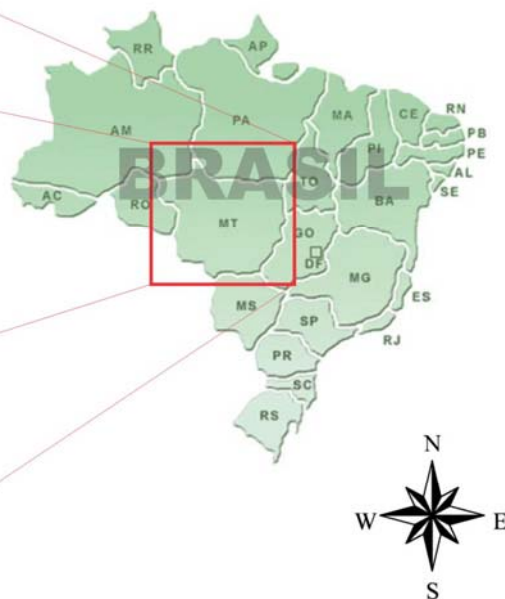
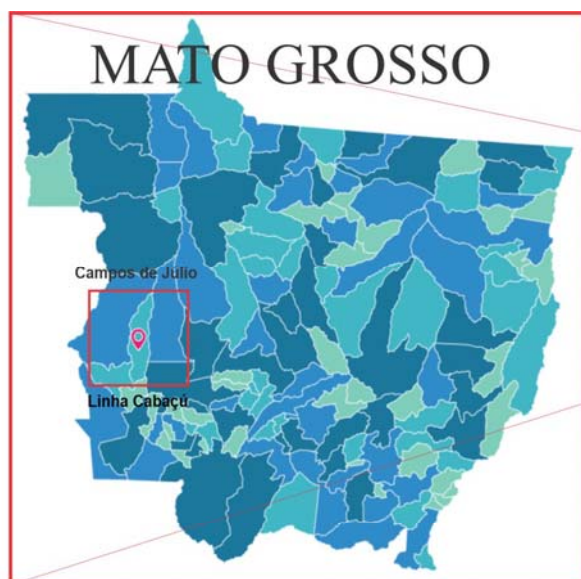
A **Planeje – Projetos, Engenharia e Supervisão**, apresenta a **Secretaria de Estado de Infraestrutura e Logística - SINFRA**, o ***Volume Anexo 3C – Cálculo de Volumes e Notas de Serviço de Terraplenagem***, referente a Elaboração do Projeto Executivo de Engenharia para Implantação e Pavimentação da Linha Cabaçú, Trecho: Entrº BR-364 – Linha Cabaçú (Km 0,00 ao Km 42,75) e Extensão: 42,75 Km.

Neste volume são apresentados os Cálculos dos Volumes, Notas de Serviço de Terraplenagem e Coordenadas do Eixo de Locação, necessários a execução da obra.

O projeto ao qual pertence este volume é constituído por 8 (oito) volumes descritos a seguir:

- **Volume 1 – Relatório do Projeto e Documentos para Concorrência;**
- **Volume 2 – Projeto de Execução;**
- **Volume 2.1 – Projeto de Execução (Seções Transversais);**
- **Volume 3 – Memória Justificativa;**
- **Volume Anexo 3A – Estudos Geotécnicos;**
- **Volume Anexo 3C – Cálculo dos Volumes e Notas de Serviço de Terraplenagem;**
- **Volume Anexo 3E – Relatório Final de Avaliação Ambiental (RFAA);**
- **Volume 4 – Orçamento das obras.**

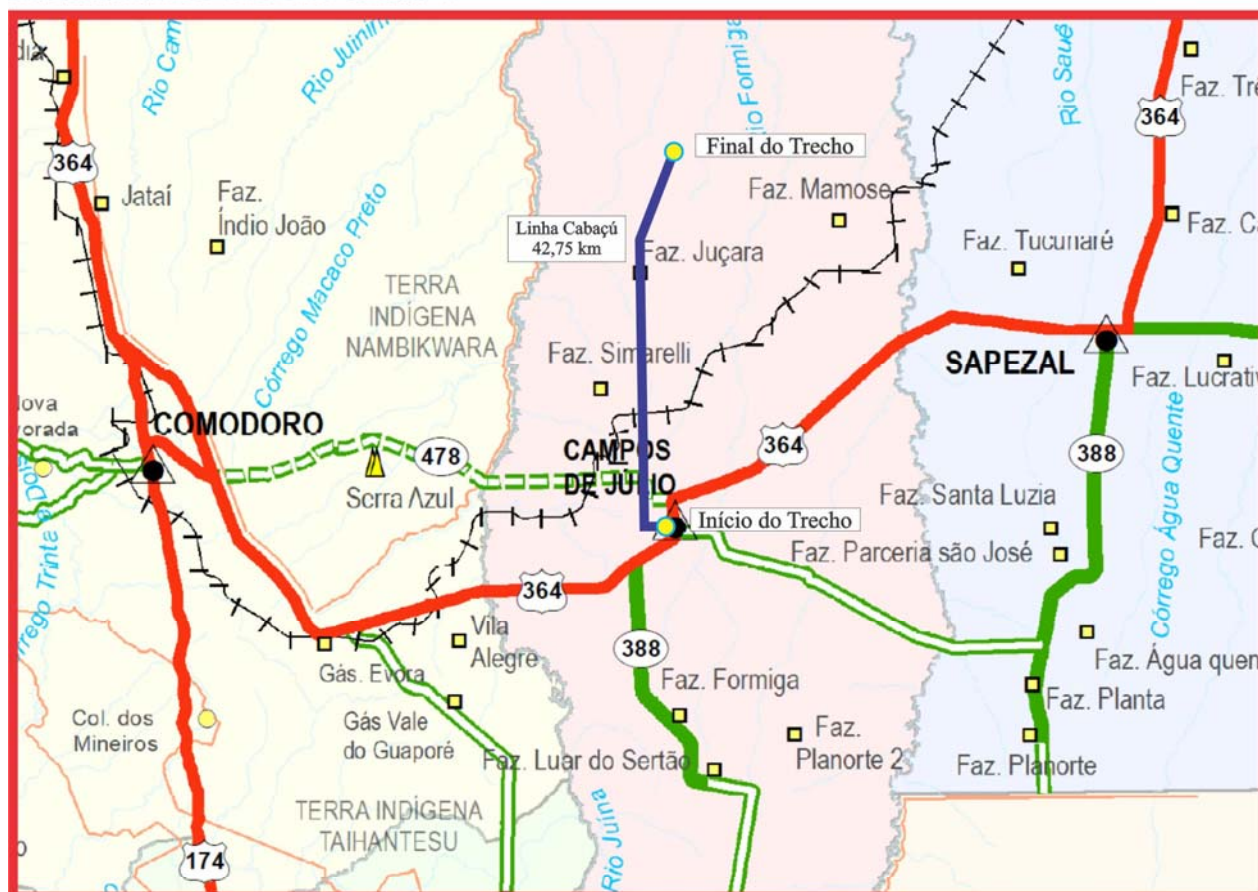
3.0 - MAPA DE SITUAÇÃO



Coordenadas

Início do Trecho: 13° 43' 7.94" S / 59° 16' 22.13" W

Final do Trecho: 13° 21' 13.31" S / 59° 15' 23.55" W



<p>Rodovia : Linha Cabaçu</p> <p>Trecho : Entrô BR-364 - Linha Cabaçu (Km 0,00 - Km 42,75)</p> <p>Extensão : 42,75 Km</p>	<p>PROJETO EXECUTIVO DE ENGENHARIA PARA IMPLANTAÇÃO E PAVIMENTAÇÃO DA RODOVIA LINHA CABAÇU</p> <p>MAPA DE SITUAÇÃO</p> <p>Escala: 1:1.250.000</p>
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4.0 – CÁLCULO DOS VOLUMES DE TERRAPLENAGEM

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
0	0,082	0,082	1,021	1,021					
					10,000	0,820	0,820	29,950	29,950
1		0,082	1,974	2,995					
					10,000		0,820	43,500	73,450
2		0,082	2,376	5,371					
					10,000		0,820	61,550	135,000
3		0,082	3,779	9,150					
					10,000		0,820	81,170	216,170
4		0,082	4,338	13,488					
					10,000		0,820	85,800	301,970
5		0,082	4,242	17,730					
					10,000		0,820	85,880	387,850
6		0,082	4,346	22,076					
					10,000		0,820	94,870	482,720
7		0,082	5,141	27,217					
					10,000		0,820	109,110	591,830
8		0,082	5,770	32,987					
					10,000		0,820	104,950	696,780
9		0,082	4,725	37,712					
					10,000	1,510	2,330	47,590	744,370
10	0,151	0,233	0,034	37,746					
					10,000	1,510	3,840	20,420	764,790
11		0,233	2,008	39,754					
					10,000		3,840	77,780	842,570
12		0,233	5,770	45,524					
					10,000		3,840	144,600	987,170
13		0,233	8,690	54,214					
					10,000		3,840	178,190	1.165,360
14		0,233	9,129	63,343					
					10,000		3,840	184,380	1.349,740
15		0,233	9,309	72,652					
					10,000		3,840	187,190	1.536,930
16		0,233	9,410	82,062					
					10,000		3,840	194,340	1.731,270
17		0,233	10,024	92,086					
					10,000		3,840	198,580	1.929,850
18		0,233	9,834	101,920					
					10,000		3,840	196,370	2.126,220
19		0,233	9,803	111,723					
					10,000		3,840	204,470	2.330,690
20		0,233	10,644	122,367					
					10,000		3,840	216,500	2.547,190
21		0,233	11,006	133,373					
					10,000		3,840	219,510	2.766,700
22		0,233	10,945	144,318					
					10,000		3,840	223,950	2.990,650
23		0,233	11,450	155,768					
					10,000		3,840	229,030	3.219,680
24		0,233	11,453	167,221					
					10,000		3,840	222,900	3.442,580
25		0,233	10,837	178,058					
					10,000		3,840	157,720	3.600,300
26		0,233	4,935	182,993					
					10,000		3,840	77,290	3.677,590
27		0,233	2,794	185,787					
					10,000		3,840	89,260	3.766,850
28		0,233	6,132	191,919					
					10,000		3,840	178,510	3.945,360
29		0,233	11,719	203,638					
					10,000		3,840	237,680	4.183,040
30		0,233	12,049	215,687					
					10,000		3,840	240,810	4.423,850
31		0,233	12,032	227,719					
					10,000		3,840	244,180	4.668,030
32		0,233	12,386	240,105					
					10,000		3,840	255,390	4.923,420
33		0,233	13,153	253,258					
					10,000		3,840	271,460	5.194,880
34		0,233	13,993	267,251					
					10,000		3,840	279,440	5.474,320

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
35		0,233	13,951	281,202					
					10,000		3,840	278,060	5.752,380
36		0,233	13,855	295,057					
					10,000		3,840	274,120	6.026,500
37		0,233	13,557	308,614					
					10,000		3,840	280,850	6.307,350
38		0,233	14,528	323,142					
					10,000		3,840	288,830	6.596,180
39		0,233	14,355	337,497					
					10,000		3,840	288,750	6.884,930
40		0,233	14,520	352,017					
					10,000		3,840	288,210	7.173,140
41		0,233	14,301	366,318					
					10,000		3,840	277,830	7.450,970
42		0,233	13,482	379,800					
					10,000		3,840	219,810	7.670,780
43		0,233	8,499	388,299					
					10,000		3,840	148,670	7.819,450
44		0,233	6,368	394,667					
					10,000		3,840	159,520	7.978,970
45		0,233	9,584	404,251					
					10,000		3,840	234,770	8.213,740
46		0,233	13,893	418,144					
					10,000		3,840	282,950	8.496,690
47		0,233	14,402	432,546					
					10,000		3,840	278,820	8.775,510
48		0,233	13,480	446,026					
					10,000		3,840	268,680	9.044,190
49		0,233	13,388	459,414					
					10,000		3,840	267,590	9.311,780
50		0,233	13,371	472,785					
					10,000		3,840	265,400	9.577,180
51		0,233	13,169	485,954					
					10,000		3,840	260,710	9.837,890
52		0,233	12,902	498,856					
					10,000		3,840	259,800	10.097,690
53		0,233	13,078	511,934					
					10,000		3,840	257,990	10.355,680
54		0,233	12,721	524,655					
					10,000		3,840	255,210	10.610,890
55		0,233	12,800	537,455					
					10,000		3,840	253,140	10.864,030
56		0,233	12,514	549,969					
					10,000		3,840	241,720	11.105,750
57		0,233	11,658	561,627					
					10,000		3,840	177,330	11.283,080
58		0,233	6,075	567,702					
					10,000		3,840	98,410	11.381,490
59		0,233	3,766	571,468					
					10,000		3,840	109,840	11.491,330
60		0,233	7,218	578,686					
					10,000		3,840	200,030	11.691,360
61		0,233	12,785	591,471					
					10,000		3,840	256,330	11.947,690
62		0,233	12,848	604,319					
					10,000		3,840	248,270	12.195,960
63		0,233	11,979	616,298					
					10,000		3,840	231,390	12.427,350
64		0,233	11,160	627,458					
					10,000		3,840	217,470	12.644,820
65		0,233	10,587	638,045					
					10,000		3,840	206,050	12.850,870
66		0,233	10,018	648,063					
					10,000		3,840	195,690	13.046,560
67		0,233	9,551	657,614					
					10,000		3,840	187,710	13.234,270
68		0,233	9,220	666,834					
					10,000		3,840	181,400	13.415,670
69		0,233	8,920	675,754					
					10,000		3,840	180,240	13.595,910

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
70		0,233	9,104	684,858					
					5,361		3,840	96,621	13.692,531
70+10,722		0,233	8,919	693,777					
					4,639		3,840	82,175	13.774,706
71		0,233	8,795	702,572					
					10,000		3,840	174,120	13.948,826
72		0,233	8,617	711,189					
					10,000		3,840	166,810	14.115,636
73		0,233	8,064	719,253					
					10,000		3,840	159,750	14.275,386
74		0,233	7,911	727,164					
					10,000		3,840	159,950	14.435,336
75		0,233	8,084	735,248					
					10,000		3,840	161,470	14.596,806
76		0,233	8,063	743,311					
					5,361		3,840	94,021	14.690,827
76+10,722		0,233	9,475	752,786					
					4,639		3,840	79,536	14.770,363
77		0,233	7,670	760,456					
					10,000	1,210	5,050	143,340	14.913,703
78	0,121	0,354	6,664	767,120					
					10,000	2,700	7,750	116,020	15.029,723
79	0,149	0,503	4,938	772,058					
					10,000	2,800	10,550	100,070	15.129,793
80	0,131	0,634	5,069	777,127					
					10,000	2,270	12,820	103,630	15.233,423
81	0,096	0,730	5,294	782,421					
					10,000	1,540	14,360	108,950	15.342,373
82	0,058	0,788	5,601	788,022					
					10,000	0,850	15,210	113,140	15.455,513
83	0,027	0,815	5,713	793,735					
					10,000	0,350	15,560	115,710	15.571,223
84	0,008	0,823	5,858	799,593					
					10,000	0,090	15,650	130,100	15.701,323
85	0,001	0,824	7,152	806,745					
					10,000	0,010	15,660	147,350	15.848,673
86		0,824	7,583	814,328					
					10,000		15,660	153,550	16.002,223
87		0,824	7,772	822,100					
					10,000		15,660	168,000	16.170,223
88		0,824	9,028	831,128					
					6,898		15,660	140,447	16.310,670
88+13,795		0,824	11,334	842,462					
					3,103		15,660	73,501	16.384,171
89		0,824	12,357	854,819					
					10,000		15,660	231,040	16.615,211
90		0,824	10,747	865,566					
					10,000		15,660	206,960	16.822,171
91		0,824	9,949	875,515					
					10,000		15,660	206,100	17.028,271
92		0,824	10,661	886,176					
					10,000		15,660	210,880	17.239,151
93		0,824	10,427	896,603					
					10,000		15,660	206,780	17.445,931
94		0,824	10,251	906,854					
					6,898		15,660	136,577	17.582,508
94+13,795		0,824	9,550	916,404					
					3,103		15,660	54,936	17.637,444
95		0,824	8,157	924,561					
					10,000		15,660	136,220	17.773,664
96		0,824	5,465	930,026					
					10,000		15,660	108,050	17.881,714
97		0,824	5,340	935,366					
					10,000		15,660	152,760	18.034,474
98		0,824	9,936	945,302					
					10,000		15,660	187,970	18.222,444
99		0,824	8,861	954,163					
					10,000		15,660	187,010	18.409,454
100		0,824	9,840	964,003					
					10,000		15,660	199,150	18.608,604

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
101		0,824	10,075	974,078					
					10,000		15,660	211,390	18.819,994
102		0,824	11,064	985,142					
					10,000		15,660	226,910	19.046,904
103		0,824	11,627	996,769					
					10,000		15,660	241,810	19.288,714
104		0,824	12,554	1.009,323					
					10,000		15,660	253,630	19.542,344
105		0,824	12,809	1.022,132					
					10,000		15,660	246,680	19.789,024
106		0,824	11,859	1.033,991					
					10,000		15,660	239,090	20.028,114
107		0,824	12,050	1.046,041					
					10,000		15,660	248,060	20.276,174
108		0,824	12,756	1.058,797					
					10,000		15,660	262,030	20.538,204
109		0,824	13,447	1.072,244					
					10,000		15,660	261,930	20.800,134
110		0,824	12,746	1.084,990					
					10,000		15,660	253,180	21.053,314
111		0,824	12,572	1.097,562					
					10,000		15,660	255,630	21.308,944
112		0,824	12,991	1.110,553					
					10,000		15,660	203,210	21.512,154
113		0,824	7,330	1.117,883					
					10,000		15,660	106,020	21.618,174
114		0,824	3,272	1.121,155					
					10,000		15,660	127,550	21.745,724
115		0,824	9,483	1.130,638					
					10,000		15,660	222,960	21.968,684
116		0,824	12,813	1.143,451					
					10,000		15,660	234,070	22.202,754
117		0,824	10,594	1.154,045					
					10,000		15,660	219,970	22.422,724
118		0,824	11,403	1.165,448					
					10,000		15,660	233,990	22.656,714
119		0,824	11,996	1.177,444					
					10,000		15,660	238,900	22.895,614
120		0,824	11,894	1.189,338					
					10,000		15,660	236,230	23.131,844
121		0,824	11,729	1.201,067					
					10,000		15,660	236,420	23.368,264
122		0,824	11,913	1.212,980					
					10,000		15,660	234,310	23.602,574
123		0,824	11,518	1.224,498					
					10,000		15,660	223,040	23.825,614
124		0,824	10,786	1.235,284					
					10,000		15,660	215,300	24.040,914
125		0,824	10,744	1.246,028					
					10,000		15,660	213,160	24.254,074
126		0,824	10,572	1.256,600					
					10,000		15,660	217,440	24.471,514
127		0,824	11,172	1.267,772					
					10,000		15,660	215,510	24.687,024
128		0,824	10,379	1.278,151					
					10,000		15,660	217,980	24.905,004
129		0,824	11,419	1.289,570					
					10,000		15,660	207,100	25.112,104
130		0,824	9,291	1.298,861					
					10,000		15,660	133,620	25.245,724
131		0,824	4,071	1.302,932					
					10,000		15,660	67,660	25.313,384
132		0,824	2,695	1.305,627					
					10,000		15,660	85,260	25.398,644
133		0,824	5,831	1.311,458					
					10,000		15,660	148,590	25.547,234
134		0,824	9,028	1.320,486					
					10,000		15,660	170,430	25.717,664
135		0,824	8,015	1.328,501					
					10,000		15,660	162,380	25.880,044

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
136		0,824	8,223	1.336,724					
					10,000		15,660	166,260	26.046,304
137		0,824	8,403	1.345,127					
					10,000		15,660	160,580	26.206,884
138		0,824	7,655	1.352,782					
					10,000		15,660	151,320	26.358,204
139		0,824	7,477	1.360,259					
					10,000		15,660	143,950	26.502,154
140		0,824	6,918	1.367,177					
					10,000		15,660	137,450	26.639,604
141		0,824	6,827	1.374,004					
					10,000		15,660	144,260	26.783,864
142		0,824	7,599	1.381,603					
					10,000		15,660	162,930	26.946,794
143		0,824	8,694	1.390,297					
					10,000		15,660	167,480	27.114,274
144		0,824	8,054	1.398,351					
					10,000		15,660	159,140	27.273,414
145		0,824	7,860	1.406,211					
					10,000		15,660	168,370	27.441,784
146		0,824	8,977	1.415,188					
					10,000		15,660	181,590	27.623,374
147		0,824	9,182	1.424,370					
					10,000		15,660	172,460	27.795,834
148		0,824	8,064	1.432,434					
					10,000	0,240	15,900	96,950	27.892,784
149	0,024	0,848	1,631	1.434,065					
					10,000	0,240	16,140	30,340	27.923,124
150		0,848	1,403	1.435,468					
					10,000		16,140	84,460	28.007,584
151		0,848	7,043	1.442,511					
					10,000		16,140	149,250	28.156,834
152		0,848	7,882	1.450,393					
					10,000		16,140	163,690	28.320,524
153		0,848	8,487	1.458,880					
					10,000		16,140	178,640	28.499,164
154		0,848	9,377	1.468,257					
					10,000		16,140	188,960	28.688,124
155		0,848	9,519	1.477,776					
					10,000		16,140	209,540	28.897,664
156		0,848	11,435	1.489,211					
					10,000		16,140	242,050	29.139,714
157		0,848	12,770	1.501,981					
					10,000		16,140	264,460	29.404,174
158		0,848	13,676	1.515,657					
					10,000		16,140	278,010	29.682,184
159		0,848	14,125	1.529,782					
					10,000		16,140	278,520	29.960,704
160		0,848	13,727	1.543,509					
					10,000		16,140	265,250	30.225,954
161		0,848	12,798	1.556,307					
					10,000		16,140	233,950	30.459,904
162		0,848	10,597	1.566,904					
					10,000		16,140	203,370	30.663,274
163		0,848	9,740	1.576,644					
					10,000		16,140	166,050	30.829,324
164		0,848	6,865	1.583,509					
					4,409		16,140	57,372	30.886,696
164+8,817		0,848	6,149	1.589,658					
					5,592	0,240	16,380	47,735	30.934,431
165	0,043	0,891	2,388	1.592,046					
					10,000	2,200	18,580	46,820	30.981,251
166	0,177	1,068	2,294	1.594,340					
					10,000	1,770	20,350	64,540	31.045,791
167		1,068	4,160	1.598,500					
					10,000		20,350	101,050	31.146,841
168		1,068	5,945	1.604,445					
					10,000		20,350	122,590	31.269,431
169		1,068	6,314	1.610,759					
					10,000		20,350	126,850	31.396,281

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
170		1,068	6,371	1.617,130					
					10,000		20,350	110,160	31.506,441
171		1,068	4,645	1.621,775					
					10,000		20,350	97,510	31.603,951
172		1,068	5,106	1.626,881					
					10,000		20,350	110,480	31.714,431
173		1,068	5,942	1.632,823					
					10,000		20,350	147,520	31.861,951
174		1,068	8,810	1.641,633					
					10,000		20,350	172,260	32.034,211
175		1,068	8,416	1.650,049					
					10,000		20,350	151,850	32.186,061
176		1,068	6,769	1.656,818					
					10,000		20,350	148,870	32.334,931
177		1,068	8,118	1.664,936					
					10,000		20,350	178,520	32.513,451
178		1,068	9,734	1.674,670					
					10,000		20,350	186,100	32.699,551
179		1,068	8,876	1.683,546					
					10,000		20,350	170,030	32.869,581
180		1,068	8,127	1.691,673					
					10,000		20,350	154,520	33.024,101
181		1,068	7,325	1.698,998					
					10,000		20,350	146,330	33.170,431
182		1,068	7,308	1.706,306					
					10,000		20,350	155,730	33.326,161
183		1,068	8,265	1.714,571					
					10,000		20,350	184,040	33.510,201
184		1,068	10,139	1.724,710					
					10,000		20,350	214,790	33.724,991
185		1,068	11,340	1.736,050					
					10,000		20,350	234,940	33.959,931
186		1,068	12,154	1.748,204					
					10,000		20,350	218,000	34.177,931
187		1,068	9,646	1.757,850					
					10,000		20,350	220,190	34.398,121
188		1,068	12,373	1.770,223					
					10,000		20,350	241,640	34.639,761
189		1,068	11,791	1.782,014					
					10,000		20,350	232,800	34.872,561
190		1,068	11,489	1.793,503					
					10,000		20,350	218,040	35.090,601
191		1,068	10,315	1.803,818					
					10,000		20,350	204,090	35.294,691
192		1,068	10,094	1.813,912					
					10,000		20,350	209,700	35.504,391
193		1,068	10,876	1.824,788					
					10,000		20,350	201,430	35.705,821
194		1,068	9,267	1.834,055					
					10,000		20,350	188,400	35.894,221
195		1,068	9,573	1.843,628					
					10,000		20,350	189,510	36.083,731
196		1,068	9,378	1.853,006					
					10,000		20,350	185,880	36.269,611
197		1,068	9,210	1.862,216					
					10,000		20,350	208,520	36.478,131
198		1,068	11,642	1.873,858					
					10,000		20,350	235,860	36.713,991
199		1,068	11,944	1.885,802					
					10,000		20,350	245,350	36.959,341
200		1,068	12,591	1.898,393					
					10,000		20,350	240,000	37.199,341
201		1,068	11,409	1.909,802					
					10,000		20,350	242,980	37.442,321
202		1,068	12,889	1.922,691					
					10,000		20,350	272,710	37.715,031
203		1,068	14,382	1.937,073					
					10,000		20,350	296,750	38.011,781
204		1,068	15,293	1.952,366					
					10,000		20,350	323,880	38.335,661

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
205		1,068	17,095	1.969,461					
					10,000		20,350	332,700	38.668,361
206		1,068	16,175	1.985,636					
					10,000		20,350	329,020	38.997,381
207		1,068	16,727	2.002,363					
					10,000		20,350	331,860	39.329,241
208		1,068	16,459	2.018,822					
					10,000		20,350	331,870	39.661,111
209		1,068	16,728	2.035,550					
					10,000		20,350	330,590	39.991,701
210		1,068	16,331	2.051,881					
					10,000		20,350	339,970	40.331,671
211		1,068	17,666	2.069,547					
					10,000		20,350	303,630	40.635,301
212		1,068	12,697	2.082,244					
					10,000		20,350	237,020	40.872,321
213		1,068	11,005	2.093,249					
					10,000		20,350	206,690	41.079,011
214		1,068	9,664	2.102,913					
					10,000		20,350	245,050	41.324,061
215		1,068	14,841	2.117,754					
					10,000		20,350	297,780	41.621,841
216		1,068	14,937	2.132,691					
					10,000		20,350	292,930	41.914,771
217		1,068	14,356	2.147,047					
					10,000		20,350	324,790	42.239,561
218		1,068	18,123	2.165,170					
					10,000		20,350	344,890	42.584,451
219		1,068	16,366	2.181,536					
					10,000		20,350	317,230	42.901,681
220		1,068	15,357	2.196,893					
					10,000		20,350	279,750	43.181,431
221		1,068	12,618	2.209,511					
					10,000		20,350	255,460	43.436,891
222		1,068	12,928	2.222,439					
					10,000		20,350	275,120	43.712,011
223		1,068	14,584	2.237,023					
					10,000		20,350	285,530	43.997,541
224		1,068	13,969	2.250,992					
					10,000		20,350	274,390	44.271,931
225		1,068	13,470	2.264,462					
					10,000		20,350	262,920	44.534,851
226		1,068	12,822	2.277,284					
					10,000		20,350	221,970	44.756,821
227		1,068	9,375	2.286,659					
					10,000		20,350	200,230	44.957,051
228		1,068	10,648	2.297,307					
					10,000		20,350	201,890	45.158,941
229		1,068	9,541	2.306,848					
					10,000	2,230	22,580	124,050	45.282,991
230	0,223	1,291	2,864	2.309,712					
					10,000	6,460	29,040	48,280	45.331,271
231	0,423	1,714	1,964	2.311,676					
					10,000	6,160	35,200	54,580	45.385,851
232	0,193	1,907	3,494	2.315,170					
					10,000	1,930	37,130	113,120	45.498,971
233		1,907	7,818	2.322,988					
					10,000		37,130	164,840	45.663,811
234		1,907	8,666	2.331,654					
					10,000		37,130	179,370	45.843,181
235		1,907	9,271	2.340,925					
					10,000		37,130	180,650	46.023,831
236		1,907	8,794	2.349,719					
					10,000		37,130	152,520	46.176,351
237		1,907	6,458	2.356,177					
					10,000	0,220	37,350	142,010	46.318,361
238	0,022	1,929	7,743	2.363,920					
					10,000	0,250	37,600	148,590	46.466,951
239	0,003	1,932	7,116	2.371,036					
					10,000	0,030	37,630	137,610	46.604,561

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
240		1,932	6,645	2.377,681					
					10,000		37,630	129,780	46.734,341
241		1,932	6,333	2.384,014					
					10,000	0,010	37,640	106,950	46.841,291
242	0,001	1,933	4,362	2.388,376					
					10,000	0,010	37,650	102,850	46.944,141
243		1,933	5,923	2.394,299					
					10,000		37,650	119,940	47.064,081
244		1,933	6,071	2.400,370					
					10,000	0,160	37,810	121,880	47.185,961
245	0,016	1,949	6,117	2.406,487					
					10,000	2,160	39,970	122,640	47.308,601
246	0,200	2,149	6,147	2.412,634					
					10,000	3,670	43,640	101,390	47.409,991
247	0,167	2,316	3,992	2.416,626					
					10,000	1,980	45,620	99,660	47.509,651
248	0,031	2,347	5,974	2.422,600					
					10,000	2,910	48,530	120,100	47.629,751
249	0,260	2,607	6,036	2.428,636					
					10,000	2,600	51,130	125,810	47.755,561
250		2,607	6,545	2.435,181					
					10,000		51,130	127,740	47.883,301
251		2,607	6,229	2.441,410					
					10,000		51,130	107,560	47.990,861
252		2,607	4,527	2.445,937					
					10,000		51,130	98,150	48.089,011
253		2,607	5,288	2.451,225					
					10,000	10,290	61,420	52,880	48.141,891
254	1,029	3,636		2.451,225					
					10,000	28,600	90,020		48.141,891
255	1,831	5,467		2.451,225					
					10,000	22,210	112,230	11,190	48.153,081
256	0,390	5,857	1,119	2.452,344					
					10,000	3,900	116,130	67,810	48.220,891
257		5,857	5,662	2.458,006					
					10,000	0,200	116,330	113,940	48.334,831
258	0,020	5,877	5,732	2.463,738					
					10,000	0,200	116,530	132,850	48.467,681
259		5,877	7,553	2.471,291					
					10,000		116,530	154,260	48.621,941
260		5,877	7,873	2.479,164					
					10,000		116,530	165,390	48.787,331
261		5,877	8,666	2.487,830					
					10,000		116,530	177,910	48.965,241
262		5,877	9,125	2.496,955					
					10,000		116,530	158,420	49.123,661
263		5,877	6,717	2.503,672					
					10,000		116,530	166,090	49.289,751
264		5,877	9,892	2.513,564					
					10,000		116,530	198,650	49.488,401
265		5,877	9,973	2.523,537					
					10,000		116,530	204,790	49.693,191
266		5,877	10,506	2.534,043					
					10,000		116,530	214,400	49.907,591
267		5,877	10,934	2.544,977					
					10,000		116,530	218,100	50.125,691
268		5,877	10,876	2.555,853					
					10,000		116,530	234,130	50.359,821
269		5,877	12,537	2.568,390					
					10,000		116,530	248,040	50.607,861
270		5,877	12,267	2.580,657					
					10,000		116,530	246,340	50.854,201
271		5,877	12,367	2.593,024					
					10,000		116,530	246,260	51.100,461
272		5,877	12,259	2.605,283					
					10,000		116,530	201,260	51.301,721
273		5,877	7,867	2.613,150					
					10,000	0,500	117,030	121,240	51.422,961
274	0,050	5,927	4,257	2.617,407					
					10,000	0,500	117,530	84,910	51.507,871

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
275		5,927	4,234	2.621,641					
					10,000		117,530	139,080	51.646,951
276		5,927	9,674	2.631,315					
					10,000		117,530	239,380	51.886,331
277		5,927	14,264	2.645,579					
					10,000		117,530	284,650	52.170,981
278		5,927	14,201	2.659,780					
					10,000		117,530	311,290	52.482,271
279		5,927	16,928	2.676,708					
					10,000		117,530	342,220	52.824,491
280		5,927	17,294	2.694,002					
					10,000		117,530	337,450	53.161,941
281		5,927	16,451	2.710,453					
					10,000		117,530	328,140	53.490,081
282		5,927	16,363	2.726,816					
					10,000		117,530	329,340	53.819,421
283		5,927	16,571	2.743,387					
					10,000		117,530	335,680	54.155,101
284		5,927	16,997	2.760,384					
					10,000		117,530	345,380	54.500,481
285		5,927	17,541	2.777,925					
					10,000		117,530	344,630	54.845,111
286		5,927	16,922	2.794,847					
					10,000		117,530	325,410	55.170,521
287		5,927	15,619	2.810,466					
					10,000		117,530	307,000	55.477,521
288		5,927	15,081	2.825,547					
					10,000		117,530	300,250	55.777,771
289		5,927	14,944	2.840,491					
					10,000		117,530	291,610	56.069,381
290		5,927	14,217	2.854,708					
					10,000		117,530	275,580	56.344,961
291		5,927	13,341	2.868,049					
					10,000		117,530	213,360	56.558,321
292		5,927	7,995	2.876,044					
					10,000		117,530	173,460	56.731,781
293		5,927	9,351	2.885,395					
					10,000		117,530	138,770	56.870,551
294		5,927	4,526	2.889,921					
					10,000	0,380	117,910	70,180	56.940,731
295	0,038	5,965	2,492	2.892,413					
					10,000	0,380	118,290	52,750	56.993,481
296		5,965	2,783	2.895,196					
					10,000		118,290	90,760	57.084,241
297		5,965	6,293	2.901,489					
					10,000		118,290	177,870	57.262,111
298		5,965	11,494	2.912,983					
					10,000		118,290	233,390	57.495,501
299		5,965	11,845	2.924,828					
					10,000		118,290	222,850	57.718,351
300		5,965	10,440	2.935,268					
					10,000		118,290	209,220	57.927,571
301		5,965	10,482	2.945,750					
					10,000		118,290	201,430	58.129,001
302		5,965	9,661	2.955,411					
					10,000		118,290	195,210	58.324,211
303		5,965	9,860	2.965,271					
					10,000		118,290	185,310	58.509,521
304		5,965	8,671	2.973,942					
					10,000		118,290	172,750	58.682,271
305		5,965	8,604	2.982,546					
					10,000		118,290	159,380	58.841,651
306		5,965	7,334	2.989,880					
					10,000		118,290	132,970	58.974,621
307		5,965	5,963	2.995,843					
					10,000		118,290	114,740	59.089,361
308		5,965	5,511	3.001,354					
					10,000	0,010	118,300	77,010	59.166,371
309	0,001	5,966	2,190	3.003,544					
					10,000	19,100	137,400	21,900	59.188,271

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
310	1,909	7,875		3.003,544					
					10,000	41,310	178,710		59.188,271
311	2,222	10,097		3.003,544					
					10,000	28,920	207,630	8,660	59.196,931
312	0,670	10,767	0,866	3.004,410					
					10,000	6,700	214,330	68,830	59.265,761
313		10,767	6,017	3.010,427					
					10,000		214,330	140,840	59.406,601
314		10,767	8,067	3.018,494					
					10,000		214,330	160,380	59.566,981
315		10,767	7,971	3.026,465					
					10,000		214,330	162,380	59.729,361
316		10,767	8,267	3.034,732					
					10,000		214,330	159,920	59.889,281
317		10,767	7,725	3.042,457					
					10,000		214,330	144,570	60.033,851
318		10,767	6,732	3.049,189					
					10,000		214,330	145,380	60.179,231
319		10,767	7,806	3.056,995					
					10,000		214,330	157,570	60.336,801
320		10,767	7,951	3.064,946					
					10,000		214,330	153,840	60.490,641
321		10,767	7,433	3.072,379					
					10,000		214,330	125,780	60.616,421
322		10,767	5,145	3.077,524					
					10,000		214,330	116,610	60.733,031
323		10,767	6,516	3.084,040					
					10,000		214,330	111,900	60.844,931
324		10,767	4,674	3.088,714					
					10,000	6,030	220,360	46,740	60.891,671
325	0,603	11,370		3.088,714					
					10,000	6,030	226,390	13,280	60.904,951
326		11,370	1,328	3.090,042					
					10,000		226,390	48,350	60.953,301
327		11,370	3,507	3.093,549					
					10,000		226,390	128,210	61.081,511
328		11,370	9,314	3.102,863					
					10,000		226,390	194,970	61.276,481
329		11,370	10,183	3.113,046					
					10,000		226,390	207,770	61.484,251
330		11,370	10,594	3.123,640					
					10,000		226,390	217,440	61.701,691
331		11,370	11,150	3.134,790					
					10,000		226,390	222,150	61.923,841
332		11,370	11,065	3.145,855					
					10,000		226,390	224,350	62.148,191
333		11,370	11,370	3.157,225					
					10,000		226,390	202,300	62.350,491
334		11,370	8,860	3.166,085					
					10,000		226,390	145,710	62.496,201
335		11,370	5,711	3.171,796					
					10,000		226,390	93,110	62.589,311
336		11,370	3,600	3.175,396					
					10,000		226,390	114,140	62.703,451
337		11,370	7,814	3.183,210					
					10,000		226,390	218,270	62.921,721
338		11,370	14,013	3.197,223					
					10,000		226,390	298,300	63.220,021
339		11,370	15,817	3.213,040					
					10,000		226,390	331,300	63.551,321
340		11,370	17,313	3.230,353					
					10,000		226,390	342,050	63.893,371
341		11,370	16,892	3.247,245					
					10,000		226,390	311,990	64.205,361
342		11,370	14,307	3.261,552					
					10,000		226,390	320,810	64.526,171
343		11,370	17,774	3.279,326					
					10,000		226,390	361,480	64.887,651
344		11,370	18,374	3.297,700					
					10,000		226,390	356,180	65.243,831

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
345		11,370	17,244	3.314,944					
					10,000		226,390	336,510	65.580,341
346		11,370	16,407	3.331,351					
					10,000		226,390	289,170	65.869,511
347		11,370	12,510	3.343,861					
					10,000		226,390	218,050	66.087,561
348		11,370	9,295	3.353,156					
					10,000		226,390	173,160	66.260,721
349		11,370	8,021	3.361,177					
					10,000		226,390	219,940	66.480,661
350		11,370	13,973	3.375,150					
					10,000		226,390	308,570	66.789,231
351		11,370	16,884	3.392,034					
					10,000		226,390	345,100	67.134,331
352		11,370	17,626	3.409,660					
					10,000		226,390	336,500	67.470,831
353		11,370	16,024	3.425,684					
					10,000		226,390	365,160	67.835,991
354		11,370	20,492	3.446,176					
					10,000		226,390	404,450	68.240,441
355		11,370	19,953	3.466,129					
					10,000		226,390	401,400	68.641,841
356		11,370	20,187	3.486,316					
					10,000		226,390	385,390	69.027,231
357		11,370	18,352	3.504,668					
					10,000		226,390	371,360	69.398,591
358		11,370	18,784	3.523,452					
					10,000		226,390	368,340	69.766,931
359		11,370	18,050	3.541,502					
					10,000		226,390	366,600	70.133,531
360		11,370	18,610	3.560,112					
					10,000		226,390	373,510	70.507,041
361		11,370	18,741	3.578,853					
					10,000		226,390	350,050	70.857,091
362		11,370	16,264	3.595,117					
					10,000		226,390	335,780	71.192,871
363		11,370	17,314	3.612,431					
					10,000		226,390	338,660	71.531,531
364		11,370	16,552	3.628,983					
					10,000		226,390	327,280	71.858,811
365		11,370	16,176	3.645,159					
					10,000		226,390	305,280	72.164,091
366		11,370	14,352	3.659,511					
					10,000		226,390	229,350	72.393,441
367		11,370	8,583	3.668,094					
					10,000		226,390	164,900	72.558,341
368		11,370	7,907	3.676,001					
					10,000		226,390	138,700	72.697,041
369		11,370	5,963	3.681,964					
					10,000		226,390	157,270	72.854,311
370		11,370	9,764	3.691,728					
					10,000		226,390	218,130	73.072,441
371		11,370	12,049	3.703,777					
					10,000		226,390	243,530	73.315,971
372		11,370	12,304	3.716,081					
					10,000		226,390	274,240	73.590,211
373		11,370	15,120	3.731,201					
					10,000		226,390	321,370	73.911,581
374		11,370	17,017	3.748,218					
					10,000		226,390	368,140	74.279,721
375		11,370	19,797	3.768,015					
					10,000		226,390	443,350	74.723,071
376		11,370	24,538	3.792,553					
					10,000		226,390	541,380	75.264,451
377		11,370	29,600	3.822,153					
					10,000		226,390	631,210	75.895,661
378		11,370	33,521	3.855,674					
					10,000		226,390	700,470	76.596,131
379		11,370	36,526	3.892,200					
					10,000		226,390	746,520	77.342,651

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
380		11,370	38,126	3.930,326					
					10,000		226,390	713,230	78.055,881
381		11,370	33,197	3.963,523					
					10,000		226,390	570,410	78.626,291
382		11,370	23,844	3.987,367					
					10,000		226,390	425,780	79.052,071
383		11,370	18,734	4.006,101					
					10,000		226,390	326,410	79.378,481
384		11,370	13,907	4.020,008					
					10,000		226,390	261,870	79.640,351
385		11,370	12,280	4.032,288					
					10,000		226,390	174,540	79.814,891
386		11,370	5,174	4.037,462					
					10,000		226,390	74,360	79.889,251
387		11,370	2,262	4.039,724					
					10,000		226,390	90,070	79.979,321
388		11,370	6,745	4.046,469					
					10,000		226,390	174,480	80.153,801
389		11,370	10,703	4.057,172					
					10,000		226,390	226,920	80.380,721
390		11,370	11,989	4.069,161					
					10,000		226,390	257,190	80.637,911
391		11,370	13,730	4.082,891					
					10,000		226,390	275,060	80.912,971
392		11,370	13,776	4.096,667					
					10,000		226,390	286,540	81.199,511
393		11,370	14,878	4.111,545					
					10,000		226,390	300,150	81.499,661
394		11,370	15,137	4.126,682					
					10,000		226,390	294,810	81.794,471
395		11,370	14,344	4.141,026					
					10,000		226,390	305,700	82.100,171
396		11,370	16,226	4.157,252					
					10,000		226,390	323,670	82.423,841
397		11,370	16,141	4.173,393					
					10,000		226,390	323,600	82.747,441
398		11,370	16,219	4.189,612					
					10,000		226,390	303,370	83.050,811
399		11,370	14,118	4.203,730					
					10,000		226,390	267,610	83.318,421
400		11,370	12,643	4.216,373					
					10,000		226,390	166,170	83.484,591
401		11,370	3,974	4.220,347					
					10,000		226,390	79,280	83.563,871
402		11,370	3,954	4.224,301					
					10,000		226,390	120,770	83.684,641
403		11,370	8,123	4.232,424					
					10,000		226,390	164,480	83.849,121
404		11,370	8,325	4.240,749					
					10,000		226,390	201,470	84.050,591
405		11,370	11,822	4.252,571					
					10,000		226,390	242,050	84.292,641
406		11,370	12,383	4.264,954					
					10,000		226,390	242,260	84.534,901
407		11,370	11,843	4.276,797					
					10,000		226,390	230,600	84.765,501
408		11,370	11,217	4.288,014					
					10,000		226,390	220,990	84.986,491
409		11,370	10,882	4.298,896					
					10,000		226,390	221,070	85.207,561
410		11,370	11,225	4.310,121					
					10,000		226,390	213,870	85.421,431
411		11,370	10,162	4.320,283					
					10,000		226,390	215,330	85.636,761
412		11,370	11,371	4.331,654					
					10,000		226,390	215,540	85.852,301
413		11,370	10,183	4.341,837					
					10,000		226,390	190,400	86.042,701
414		11,370	8,857	4.350,694					
					10,000		226,390	195,370	86.238,071

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
415		11,370	10,680	4.361,374					
					10,000		226,390	201,710	86.439,781
416		11,370	9,491	4.370,865					
					10,000		226,390	198,620	86.638,401
417		11,370	10,371	4.381,236					
					10,000		226,390	201,750	86.840,151
418		11,370	9,804	4.391,040					
					10,000		226,390	160,670	87.000,821
419		11,370	6,263	4.397,303					
					10,000		226,390	131,760	87.132,581
420		11,370	6,913	4.404,216					
					10,000	0,250	226,640	71,490	87.204,071
421	0,025	11,395	0,236	4.404,452					
					10,000	8,190	234,830	2,870	87.206,941
422	0,794	12,189	0,051	4.404,503					
					10,000	7,950	242,780	41,270	87.248,211
423	0,001	12,190	4,076	4.408,579					
					10,000	0,010	242,790	102,010	87.350,221
424		12,190	6,125	4.414,704					
					10,000		242,790	129,050	87.479,271
425		12,190	6,780	4.421,484					
					10,000		242,790	139,540	87.618,811
426		12,190	7,174	4.428,658					
					10,000		242,790	147,120	87.765,931
427		12,190	7,538	4.436,196					
					10,000		242,790	145,040	87.910,971
428		12,190	6,966	4.443,162					
					10,000		242,790	145,690	88.056,661
429		12,190	7,603	4.450,765					
					10,000		242,790	149,670	88.206,331
430		12,190	7,364	4.458,129					
					10,000		242,790	154,190	88.360,521
431		12,190	8,055	4.466,184					
					10,000		242,790	160,050	88.520,571
432		12,190	7,950	4.474,134					
					10,000		242,790	152,860	88.673,431
433		12,190	7,336	4.481,470					
					10,000		242,790	156,230	88.829,661
434		12,190	8,287	4.489,757					
					10,000		242,790	165,330	88.994,991
435		12,190	8,246	4.498,003					
					10,000		242,790	171,180	89.166,171
436		12,190	8,872	4.506,875					
					10,000		242,790	188,260	89.354,431
437		12,190	9,954	4.516,829					
					10,000		242,790	202,930	89.557,361
438		12,190	10,339	4.527,168					
					10,000		242,790	215,730	89.773,091
439		12,190	11,234	4.538,402					
					10,000		242,790	217,080	89.990,171
440		12,190	10,474	4.548,876					
					10,000		242,790	170,160	90.160,331
441		12,190	6,542	4.555,418					
					10,000		242,790	122,080	90.282,411
442		12,190	5,666	4.561,084					
					10,000		242,790	154,400	90.436,811
443		12,190	9,774	4.570,858					
					10,000		242,790	232,020	90.668,831
444		12,190	13,428	4.584,286					
					10,000		242,790	262,060	90.930,891
445		12,190	12,778	4.597,064					
					10,000		242,790	264,090	91.194,981
446		12,190	13,631	4.610,695					
					10,000		242,790	271,210	91.466,191
447		12,190	13,490	4.624,185					
					10,000		242,790	268,890	91.735,081
448		12,190	13,399	4.637,584					
					10,000		242,790	253,640	91.988,721
449		12,190	11,965	4.649,549					
					10,000		242,790	234,380	92.223,101

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
450		12,190	11,473	4.661,022					
					10,000		242,790	223,910	92.447,011
451		12,190	10,918	4.671,940					
					10,000		242,790	216,860	92.663,871
452		12,190	10,768	4.682,708					
					10,000		242,790	217,770	92.881,641
453		12,190	11,009	4.693,717					
					10,000		242,790	225,690	93.107,331
454		12,190	11,560	4.705,277					
					10,000		242,790	209,940	93.317,271
455		12,190	9,434	4.714,711					
					10,000		242,790	158,650	93.475,921
456		12,190	6,431	4.721,142					
					10,000		242,790	133,640	93.609,561
457		12,190	6,933	4.728,075					
					10,000		242,790	192,300	93.801,861
458		12,190	12,297	4.740,372					
					10,000		242,790	243,040	94.044,901
459		12,190	12,007	4.752,379					
					10,000		242,790	229,910	94.274,811
460		12,190	10,984	4.763,363					
					10,000		242,790	213,760	94.488,571
461		12,190	10,392	4.773,755					
					10,000		242,790	217,780	94.706,351
462		12,190	11,386	4.785,141					
					10,000		242,790	225,150	94.931,501
463		12,190	11,129	4.796,270					
					10,000		242,790	208,670	95.140,171
464		12,190	9,738	4.806,008					
					10,000		242,790	192,880	95.333,051
465		12,190	9,550	4.815,558					
					10,000		242,790	189,230	95.522,281
466		12,190	9,373	4.824,931					
					10,000		242,790	191,980	95.714,261
467		12,190	9,825	4.834,756					
					10,000		242,790	197,440	95.911,701
468		12,190	9,919	4.844,675					
					10,000		242,790	188,090	96.099,791
469		12,190	8,890	4.853,565					
					10,000		242,790	185,530	96.285,321
470		12,190	9,663	4.863,228					
					10,000		242,790	189,630	96.474,951
471		12,190	9,300	4.872,528					
					10,000		242,790	182,820	96.657,771
472		12,190	8,982	4.881,510					
					10,000		242,790	184,530	96.842,301
473		12,190	9,471	4.890,981					
					10,000		242,790	185,690	97.027,991
474		12,190	9,098	4.900,079					
					10,000		242,790	181,880	97.209,871
475		12,190	9,090	4.909,169					
					10,000		242,790	167,190	97.377,061
476		12,190	7,629	4.916,798					
					10,000		242,790	109,220	97.486,281
477		12,190	3,293	4.920,091					
					10,000		242,790	62,250	97.548,531
478		12,190	2,932	4.923,023					
					10,000		242,790	97,410	97.645,941
479		12,190	6,809	4.929,832					
					10,000		242,790	147,540	97.793,481
480		12,190	7,945	4.937,777					
					10,000		242,790	156,650	97.950,131
481		12,190	7,720	4.945,497					
					10,000		242,790	155,840	98.105,971
482		12,190	7,864	4.953,361					
					10,000		242,790	155,850	98.261,821
483		12,190	7,721	4.961,082					
					10,000		242,790	154,710	98.416,531
484		12,190	7,750	4.968,832					
					10,000		242,790	145,690	98.562,221

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
485		12,190	6,819	4.975,651					
					10,000		242,790	140,350	98.702,571
486		12,190	7,216	4.982,867					
					10,000		242,790	133,490	98.836,061
487		12,190	6,133	4.989,000					
					10,000		242,790	126,330	98.962,391
488		12,190	6,500	4.995,500					
					10,000		242,790	129,060	99.091,451
489		12,190	6,406	5.001,906					
					10,000		242,790	124,820	99.216,271
490		12,190	6,076	5.007,982					
					10,000		242,790	125,060	99.341,331
491		12,190	6,430	5.014,412					
					10,000		242,790	131,290	99.472,621
492		12,190	6,699	5.021,111					
					10,000		242,790	132,600	99.605,221
493		12,190	6,561	5.027,672					
					10,000		242,790	124,710	99.729,931
494		12,190	5,910	5.033,582					
					10,000		242,790	111,800	99.841,731
495		12,190	5,270	5.038,852					
					10,000		242,790	102,980	99.944,711
496		12,190	5,028	5.043,880					
					10,000		242,790	101,200	100.045,911
497		12,190	5,092	5.048,972					
					10,000		242,790	100,180	100.146,091
498		12,190	4,926	5.053,898					
					10,000		242,790	90,130	100.236,221
499		12,190	4,087	5.057,985					
					10,000		242,790	79,220	100.315,441
500		12,190	3,835	5.061,820					
					10,000	0,010	242,800	42,530	100.357,971
501	0,001	12,191	0,418	5.062,238					
					10,000	0,170	242,970	9,170	100.367,141
502	0,016	12,207	0,499	5.062,737					
					10,000	0,160	243,130	44,070	100.411,211
503		12,207	3,908	5.066,645					
					10,000		243,130	103,270	100.514,481
504		12,207	6,419	5.073,064					
					10,000		243,130	128,130	100.642,611
505		12,207	6,394	5.079,458					
					10,000		243,130	132,180	100.774,791
506		12,207	6,824	5.086,282					
					10,000		243,130	146,390	100.921,181
507		12,207	7,815	5.094,097					
					10,000		243,130	159,360	101.080,541
508		12,207	8,121	5.102,218					
					10,000		243,130	158,510	101.239,051
509		12,207	7,730	5.109,948					
					10,000		243,130	160,840	101.399,891
510		12,207	8,354	5.118,302					
					10,000		243,130	175,470	101.575,361
511		12,207	9,193	5.127,495					
					10,000		243,130	189,660	101.765,021
512		12,207	9,773	5.137,268					
					10,000		243,130	198,550	101.963,571
513		12,207	10,082	5.147,350					
					10,000		243,130	194,100	102.157,671
514		12,207	9,328	5.156,678					
					10,000		243,130	200,290	102.357,961
515		12,207	10,701	5.167,379					
					10,000		243,130	221,040	102.579,001
516		12,207	11,403	5.178,782					
					10,000		243,130	222,290	102.801,291
517		12,207	10,826	5.189,608					
					10,000		243,130	224,080	103.025,371
518		12,207	11,582	5.201,190					
					10,000		243,130	209,240	103.234,611
519		12,207	9,342	5.210,532					
					10,000		243,130	160,640	103.395,251

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
520		12,207	6,722	5.217,254					
					10,000		243,130	87,960	103.483,211
521		12,207	2,074	5.219,328					
					10,000		243,130	72,190	103.555,401
522		12,207	5,145	5.224,473					
					10,000		243,130	132,730	103.688,131
523		12,207	8,128	5.232,601					
					10,000		243,130	166,730	103.854,861
524		12,207	8,545	5.241,146					
					10,000		243,130	185,000	104.039,861
525		12,207	9,955	5.251,101					
					10,000		243,130	199,370	104.239,231
526		12,207	9,982	5.261,083					
					10,000		243,130	205,540	104.444,771
527		12,207	10,572	5.271,655					
					10,000		243,130	205,010	104.649,781
528		12,207	9,929	5.281,584					
					10,000		243,130	195,570	104.845,351
529		12,207	9,628	5.291,212					
					10,000		243,130	192,560	105.037,911
530		12,207	9,628	5.300,840					
					10,000		243,130	197,740	105.235,651
531		12,207	10,146	5.310,986					
					10,000		243,130	201,710	105.437,361
532		12,207	10,025	5.321,011					
					10,000		243,130	197,770	105.635,131
533		12,207	9,752	5.330,763					
					10,000		243,130	197,250	105.832,381
534		12,207	9,973	5.340,736					
					10,000		243,130	177,470	106.009,851
535		12,207	7,774	5.348,510					
					10,000		243,130	119,290	106.129,141
536		12,207	4,155	5.352,665					
					10,000		243,130	102,860	106.232,001
537		12,207	6,131	5.358,796					
					10,000		243,130	154,980	106.386,981
538		12,207	9,367	5.368,163					
					10,000		243,130	207,170	106.594,151
539		12,207	11,350	5.379,513					
					10,000		243,130	227,330	106.821,481
540		12,207	11,383	5.390,896					
					10,000		243,130	244,130	107.065,611
541		12,207	13,030	5.403,926					
					10,000		243,130	271,330	107.336,941
542		12,207	14,103	5.418,029					
					10,000		243,130	289,330	107.626,271
543		12,207	14,830	5.432,859					
					10,000		243,130	293,860	107.920,131
544		12,207	14,556	5.447,415					
					10,000		243,130	289,740	108.209,871
545		12,207	14,418	5.461,833					
					10,000		243,130	307,040	108.516,911
546		12,207	16,286	5.478,119					
					10,000		243,130	328,600	108.845,511
547		12,207	16,574	5.494,693					
					10,000		243,130	333,410	109.178,921
548		12,207	16,767	5.511,460					
					10,000		243,130	333,690	109.512,611
549		12,207	16,602	5.528,062					
					10,000		243,130	317,200	109.829,811
550		12,207	15,118	5.543,180					
					10,000		243,130	313,590	110.143,401
551		12,207	16,241	5.559,421					
					10,000		243,130	334,480	110.477,881
552		12,207	17,207	5.576,628					
					10,000		243,130	352,580	110.830,461
553		12,207	18,051	5.594,679					
					10,000		243,130	351,330	111.181,791
554		12,207	17,082	5.611,761					
					10,000		243,130	319,870	111.501,661

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
555		12,207	14,905	5.626,666					
					10,000		243,130	278,440	111.780,101
556		12,207	12,939	5.639,605					
					10,000		243,130	231,510	112.011,611
557		12,207	10,212	5.649,817					
					10,000		243,130	177,230	112.188,841
558		12,207	7,511	5.657,328					
					10,000		243,130	183,780	112.372,621
559		12,207	10,867	5.668,195					
					10,000		243,130	255,710	112.628,331
560		12,207	14,704	5.682,899					
					10,000		243,130	296,510	112.924,841
561		12,207	14,947	5.697,846					
					10,000		243,130	296,960	113.221,801
562		12,207	14,749	5.712,595					
					10,000		243,130	292,790	113.514,591
563		12,207	14,530	5.727,125					
					10,000		243,130	283,670	113.798,261
564		12,207	13,837	5.740,962					
					10,000		243,130	263,800	114.062,061
565		12,207	12,543	5.753,505					
					10,000		243,130	249,240	114.311,301
566		12,207	12,381	5.765,886					
					10,000		243,130	244,030	114.555,331
567		12,207	12,022	5.777,908					
					10,000		243,130	241,050	114.796,381
568		12,207	12,083	5.789,991					
					10,000		243,130	237,840	115.034,221
569		12,207	11,701	5.801,692					
					10,000		243,130	219,410	115.253,631
570		12,207	10,240	5.811,932					
					10,000		243,130	205,390	115.459,021
571		12,207	10,299	5.822,231					
					10,000		243,130	200,330	115.659,351
572		12,207	9,734	5.831,965					
					10,000		243,130	191,230	115.850,581
573		12,207	9,389	5.841,354					
					10,000		243,130	180,870	116.031,451
574		12,207	8,698	5.850,052					
					10,000		243,130	175,790	116.207,241
575		12,207	8,881	5.858,933					
					10,000		243,130	177,150	116.384,391
576		12,207	8,834	5.867,767					
					10,000		243,130	171,540	116.555,931
577		12,207	8,320	5.876,087					
					10,000		243,130	161,610	116.717,541
578		12,207	7,841	5.883,928					
					10,000		243,130	146,420	116.863,961
579		12,207	6,801	5.890,729					
					10,000		243,130	141,010	117.004,971
580		12,207	7,300	5.898,029					
					10,000		243,130	143,230	117.148,201
581		12,207	7,023	5.905,052					
					10,000		243,130	148,680	117.296,881
582		12,207	7,845	5.912,897					
					10,000		243,130	158,660	117.455,541
583		12,207	8,021	5.920,918					
					10,000		243,130	157,560	117.613,101
584		12,207	7,735	5.928,653					
					10,000		243,130	154,070	117.767,171
585		12,207	7,672	5.936,325					
					10,000		243,130	133,240	117.900,411
586		12,207	5,652	5.941,977					
					10,000	0,450	243,580	66,630	117.967,041
587	0,045	12,252	1,011	5.942,988					
					10,000	0,450	244,030	70,720	118.037,761
588		12,252	6,061	5.949,049					
					10,000		244,030	152,120	118.189,881
589		12,252	9,151	5.958,200					
					10,000		244,030	181,660	118.371,541

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
590		12,252	9,015	5.967,215					
					10,000		244,030	186,980	118.558,521
591		12,252	9,683	5.976,898					
					10,000		244,030	196,950	118.755,471
592		12,252	10,012	5.986,910					
					10,000		244,030	209,590	118.965,061
593		12,252	10,947	5.997,857					
					10,000		244,030	221,070	119.186,131
594		12,252	11,160	6.009,017					
					10,000		244,030	211,110	119.397,241
595		12,252	9,951	6.018,968					
					10,000		244,030	212,860	119.610,101
596		12,252	11,335	6.030,303					
					10,000		244,030	226,330	119.836,431
597		12,252	11,298	6.041,601					
					10,000		244,030	224,360	120.060,791
598		12,252	11,138	6.052,739					
					10,000		244,030	224,460	120.285,251
599		12,252	11,308	6.064,047					
					10,000		244,030	221,670	120.506,921
600		12,252	10,859	6.074,906					
					10,000		244,030	217,960	120.724,881
601		12,252	10,937	6.085,843					
					10,000		244,030	211,670	120.936,551
602		12,252	10,230	6.096,073					
					10,000		244,030	194,840	121.131,391
603		12,252	9,254	6.105,327					
					10,000		244,030	125,710	121.257,101
604		12,252	3,317	6.108,644					
					10,000		244,030	88,760	121.345,861
605		12,252	5,559	6.114,203					
					10,000		244,030	163,390	121.509,251
606		12,252	10,780	6.124,983					
					10,000		244,030	225,050	121.734,301
607		12,252	11,725	6.136,708					
					10,000		244,030	241,630	121.975,931
608		12,252	12,438	6.149,146					
					10,000		244,030	244,500	122.220,431
609		12,252	12,012	6.161,158					
					10,000		244,030	224,550	122.444,981
610		12,252	10,443	6.171,601					
					10,000		244,030	211,230	122.656,211
611		12,252	10,680	6.182,281					
					10,000		244,030	206,610	122.862,821
612		12,252	9,981	6.192,262					
					10,000		244,030	198,380	123.061,201
613		12,252	9,857	6.202,119					
					10,000		244,030	198,010	123.259,211
614		12,252	9,944	6.212,063					
					10,000		244,030	196,840	123.456,051
615		12,252	9,740	6.221,803					
					10,000		244,030	190,430	123.646,481
616		12,252	9,303	6.231,106					
					10,000		244,030	180,860	123.827,341
617		12,252	8,783	6.239,889					
					10,000		244,030	173,250	124.000,591
618		12,252	8,542	6.248,431					
					10,000		244,030	158,120	124.158,711
619		12,252	7,270	6.255,701					
					10,000		244,030	140,640	124.299,351
620		12,252	6,794	6.262,495					
					10,000		244,030	105,630	124.404,981
621		12,252	3,769	6.266,264					
					10,000	2,300	246,330	47,220	124.452,201
622	0,230	12,482	0,953	6.267,217					
					10,000	2,300	248,630	32,730	124.484,931
623		12,482	2,320	6.269,537					
					10,000		248,630	91,180	124.576,111
624		12,482	6,798	6.276,335					
					10,000		248,630	155,080	124.731,191

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
625		12,482	8,710	6.285,045					
					10,000		248,630	163,030	124.894,221
626		12,482	7,593	6.292,638					
					10,000		248,630	149,090	125.043,311
627		12,482	7,316	6.299,954					
					10,000		248,630	158,700	125.202,011
628		12,482	8,554	6.308,508					
					10,000		248,630	176,330	125.378,341
629		12,482	9,079	6.317,587					
					10,000		248,630	177,660	125.556,001
630		12,482	8,687	6.326,274					
					10,000		248,630	178,590	125.734,591
631		12,482	9,172	6.335,446					
					10,000		248,630	189,810	125.924,401
632		12,482	9,809	6.345,255					
					10,000		248,630	206,840	126.131,241
633		12,482	10,875	6.356,130					
					10,000		248,630	196,310	126.327,551
634		12,482	8,756	6.364,886					
					10,000		248,630	179,650	126.507,201
635		12,482	9,209	6.374,095					
					10,000		248,630	161,740	126.668,941
636		12,482	6,965	6.381,060					
					10,000		248,630	114,180	126.783,121
637		12,482	4,453	6.385,513					
					10,000	0,630	249,260	51,830	126.834,951
638	0,063	12,545	0,730	6.386,243					
					10,000	0,630	249,890	64,030	126.898,981
639		12,545	5,673	6.391,916					
					10,000		249,890	150,270	127.049,251
640		12,545	9,354	6.401,270					
					10,000		249,890	194,730	127.243,981
641		12,545	10,119	6.411,389					
					10,000		249,890	199,630	127.443,611
642		12,545	9,844	6.421,233					
					10,000		249,890	192,940	127.636,551
643		12,545	9,450	6.430,683					
					10,000		249,890	191,990	127.828,541
644		12,545	9,749	6.440,432					
					10,000		249,890	199,370	128.027,911
645		12,545	10,188	6.450,620					
					10,000		249,890	194,960	128.222,871
646		12,545	9,308	6.459,928					
					10,000		249,890	213,330	128.436,201
647		12,545	12,025	6.471,953					
					10,000		249,890	247,750	128.683,951
648		12,545	12,750	6.484,703					
					10,000		249,890	266,970	128.950,921
649		12,545	13,947	6.498,650					
					10,000		249,890	287,350	129.238,271
650		12,545	14,788	6.513,438					
					10,000		249,890	296,600	129.534,871
651		12,545	14,872	6.528,310					
					10,000		249,890	312,050	129.846,921
652		12,545	16,333	6.544,643					
					10,000		249,890	321,870	130.168,791
653		12,545	15,854	6.560,497					
					10,000		249,890	291,790	130.460,581
654		12,545	13,325	6.573,822					
					10,000		249,890	260,130	130.720,711
655		12,545	12,688	6.586,510					
					10,000		249,890	283,000	131.003,711
656		12,545	15,612	6.602,122					
					10,000		249,890	352,320	131.356,031
657		12,545	19,620	6.621,742					
					10,000		249,890	395,940	131.751,971
658		12,545	19,974	6.641,716					
					10,000		249,890	406,060	132.158,031
659		12,545	20,632	6.662,348					
					10,000		249,890	410,310	132.568,341

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
660		12,545	20,399	6.682,747					
					10,000		249,890	401,680	132.970,021
661		12,545	19,769	6.702,516					
					10,000		249,890	390,730	133.360,751
662		12,545	19,304	6.721,820					
					10,000		249,890	387,630	133.748,381
663		12,545	19,459	6.741,279					
					10,000		249,890	387,000	134.135,381
664		12,545	19,241	6.760,520					
					10,000		249,890	384,350	134.519,731
665		12,545	19,194	6.779,714					
					10,000		249,890	379,060	134.898,791
666		12,545	18,712	6.798,426					
					10,000		249,890	363,630	135.262,421
667		12,545	17,651	6.816,077					
					10,000		249,890	350,960	135.613,381
668		12,545	17,445	6.833,522					
					10,000		249,890	348,270	135.961,651
669		12,545	17,382	6.850,904					
					10,000		249,890	294,020	136.255,671
670		12,545	12,020	6.862,924					
					10,000		249,890	234,920	136.490,591
671		12,545	11,472	6.874,396					
					10,000		249,890	258,530	136.749,121
672		12,545	14,381	6.888,777					
					10,000		249,890	309,290	137.058,411
673		12,545	16,548	6.905,325					
					10,000		249,890	346,710	137.405,121
674		12,545	18,123	6.923,448					
					10,000		249,890	365,040	137.770,161
675		12,545	18,381	6.941,829					
					10,000		249,890	371,030	138.141,191
676		12,545	18,722	6.960,551					
					10,000		249,890	364,530	138.505,721
677		12,545	17,731	6.978,282					
					10,000		249,890	352,250	138.857,971
678		12,545	17,494	6.995,776					
					10,000		249,890	344,800	139.202,771
679		12,545	16,986	7.012,762					
					10,000		249,890	312,000	139.514,771
680		12,545	14,214	7.026,976					
					10,000		249,890	296,670	139.811,441
681		12,545	15,453	7.042,429					
					10,000		249,890	351,570	140.163,011
682		12,545	19,704	7.062,133					
					10,000		249,890	399,690	140.562,701
683		12,545	20,265	7.082,398					
					10,000		249,890	406,930	140.969,631
684		12,545	20,428	7.102,826					
					10,000		249,890	420,860	141.390,491
685		12,545	21,658	7.124,484					
					10,000		249,890	433,940	141.824,431
686		12,545	21,736	7.146,220					
					10,000		249,890	440,720	142.265,151
687		12,545	22,336	7.168,556					
					10,000		249,890	447,500	142.712,651
688		12,545	22,414	7.190,970					
					10,000		249,890	447,030	143.159,681
689		12,545	22,289	7.213,259					
					10,000		249,890	431,830	143.591,511
690		12,545	20,894	7.234,153					
					10,000		249,890	433,930	144.025,441
691		12,545	22,499	7.256,652					
					10,000		249,890	447,160	144.472,601
692		12,545	22,217	7.278,869					
					10,000		249,890	439,330	144.911,931
693		12,545	21,716	7.300,585					
					10,000		249,890	431,950	145.343,881
694		12,545	21,479	7.322,064					
					10,000		249,890	420,970	145.764,851

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
695		12,545	20,618	7.342,682					
					10,000		249,890	389,600	146.154,451
696		12,545	18,342	7.361,024					
					10,000		249,890	370,480	146.524,931
697		12,545	18,706	7.379,730					
					10,000		249,890	341,450	146.866,381
698		12,545	15,439	7.395,169					
					10,000		249,890	233,810	147.100,191
699		12,545	7,942	7.403,111					
					10,000		249,890	189,240	147.289,431
700		12,545	10,982	7.414,093					
					10,000		249,890	226,170	147.515,601
701		12,545	11,635	7.425,728					
					10,000		249,890	256,370	147.771,971
702		12,545	14,002	7.439,730					
					10,000		249,890	268,120	148.040,091
703		12,545	12,810	7.452,540					
					10,000		249,890	254,450	148.294,541
704		12,545	12,635	7.465,175					
					10,000		249,890	244,390	148.538,931
705		12,545	11,804	7.476,979					
					10,000		249,890	208,700	148.747,631
706		12,545	9,066	7.486,045					
					10,000		249,890	185,870	148.933,501
707		12,545	9,521	7.495,566					
					10,000		249,890	195,870	149.129,371
708		12,545	10,066	7.505,632					
					10,000		249,890	192,360	149.321,731
709		12,545	9,170	7.514,802					
					10,000		249,890	185,570	149.507,301
710		12,545	9,387	7.524,189					
					10,000		249,890	179,810	149.687,111
711		12,545	8,594	7.532,783					
					10,000		249,890	175,690	149.862,801
712		12,545	8,975	7.541,758					
					10,000		249,890	181,700	150.044,501
713		12,545	9,195	7.550,953					
					10,000		249,890	190,160	150.234,661
714		12,545	9,821	7.560,774					
					10,000		249,890	190,090	150.424,751
715		12,545	9,188	7.569,962					
					10,000		249,890	187,630	150.612,381
716		12,545	9,575	7.579,537					
					10,000		249,890	163,860	150.776,241
717		12,545	6,811	7.586,348					
					10,000		249,890	114,750	150.890,991
718		12,545	4,664	7.591,012					
					10,000		249,890	66,980	150.957,971
719		12,545	2,034	7.593,046					
					10,000		249,890	79,240	151.037,211
720		12,545	5,890	7.598,936					
					10,000		249,890	151,140	151.188,351
721		12,545	9,224	7.608,160					
					10,000		249,890	170,240	151.358,591
722		12,545	7,800	7.615,960					
					10,000		249,890	153,910	151.512,501
723		12,545	7,591	7.623,551					
					10,000		249,890	169,890	151.682,391
724		12,545	9,398	7.632,949					
					10,000		249,890	187,210	151.869,601
725		12,545	9,323	7.642,272					
					10,000		249,890	186,750	152.056,351
726		12,545	9,352	7.651,624					
					10,000		249,890	187,080	152.243,431
727		12,545	9,356	7.660,980					
					10,000		249,890	182,310	152.425,741
728		12,545	8,875	7.669,855					
					10,000		249,890	165,330	152.591,071
729		12,545	7,658	7.677,513					
					10,000		249,890	174,760	152.765,831

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
730		12,545	9,818	7.687,331					
					10,000		249,890	197,940	152.963,771
731		12,545	9,976	7.697,307					
					10,000		249,890	190,430	153.154,201
732		12,545	9,067	7.706,374					
					10,000		249,890	191,690	153.345,891
733		12,545	10,102	7.716,476					
					10,000		249,890	203,410	153.549,301
734		12,545	10,239	7.726,715					
					10,000		249,890	203,550	153.752,851
735		12,545	10,116	7.736,831					
					10,000		249,890	186,980	153.939,831
736		12,545	8,582	7.745,413					
					10,000		249,890	140,420	154.080,251
737		12,545	5,460	7.750,873					
					10,000		249,890	72,310	154.152,561
738		12,545	1,771	7.752,644					
					10,000		249,890	98,340	154.250,901
739		12,545	8,063	7.760,707					
					10,000		249,890	176,570	154.427,471
740		12,545	9,594	7.770,301					
					10,000		249,890	176,460	154.603,931
741		12,545	8,052	7.778,353					
					10,000		249,890	182,800	154.786,731
742		12,545	10,228	7.788,581					
					10,000		249,890	200,240	154.986,971
743		12,545	9,796	7.798,377					
					10,000		249,890	195,050	155.182,021
744		12,545	9,709	7.808,086					
					10,000		249,890	193,420	155.375,441
745		12,545	9,633	7.817,719					
					10,000		249,890	182,320	155.557,761
746		12,545	8,599	7.826,318					
					10,000		249,890	164,000	155.721,761
747		12,545	7,801	7.834,119					
					10,000		249,890	160,200	155.881,961
748		12,545	8,219	7.842,338					
					10,000		249,890	170,960	156.052,921
749		12,545	8,877	7.851,215					
					10,000		249,890	181,970	156.234,891
750		12,545	9,320	7.860,535					
					10,000		249,890	182,330	156.417,221
751		12,545	8,913	7.869,448					
					10,000		249,890	173,640	156.590,861
752		12,545	8,451	7.877,899					
					10,000		249,890	160,730	156.751,591
753		12,545	7,622	7.885,521					
					10,000		249,890	164,000	156.915,591
754		12,545	8,778	7.894,299					
					10,000		249,890	170,110	157.085,701
755		12,545	8,233	7.902,532					
					10,000		249,890	159,920	157.245,621
756		12,545	7,759	7.910,291					
					10,000		249,890	150,410	157.396,031
757		12,545	7,282	7.917,573					
					10,000		249,890	149,530	157.545,561
758		12,545	7,671	7.925,244					
					10,000		249,890	131,970	157.677,531
759		12,545	5,526	7.930,770					
					10,000		249,890	123,630	157.801,161
760		12,545	6,837	7.937,607					
					10,000		249,890	114,520	157.915,681
761		12,545	4,615	7.942,222					
					10,000	3,040	252,930	48,380	157.964,061
762	0,304	12,849	0,223	7.942,445					
					10,000	3,040	255,970	16,900	157.980,961
763		12,849	1,467	7.943,912					
					10,000		255,970	67,530	158.048,491
764		12,849	5,286	7.949,198					
					10,000		255,970	124,470	158.172,961

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
765		12,849	7,161	7.956,359					
					10,000		255,970	152,350	158.325,311
766		12,849	8,074	7.964,433					
					10,000		255,970	147,200	158.472,511
767		12,849	6,646	7.971,079					
					10,000		255,970	139,120	158.611,631
768		12,849	7,266	7.978,345					
					10,000		255,970	142,670	158.754,301
769		12,849	7,001	7.985,346					
					10,000		255,970	129,190	158.883,491
770		12,849	5,918	7.991,264					
					10,000		255,970	120,520	159.004,011
771		12,849	6,134	7.997,398					
					10,000		255,970	101,750	159.105,761
772		12,849	4,041	8.001,439					
					10,000	6,010	261,980	45,630	159.151,391
773	0,601	13,450	0,522	8.001,961					
					10,000	63,590	325,570	5,220	159.156,611
774	5,758	19,208		8.001,961					
					10,000	91,110	416,680		159.156,611
775	3,353	22,561		8.001,961					
					10,000	33,530	450,210	27,010	159.183,621
776		22,561	2,701	8.004,662					
					10,000		450,210	53,640	159.237,261
777		22,561	2,663	8.007,325					
					10,000		450,210	88,870	159.326,131
778		22,561	6,224	8.013,549					
					10,000		450,210	130,250	159.456,381
779		22,561	6,801	8.020,350					
					10,000		450,210	126,020	159.582,401
780		22,561	5,801	8.026,151					
					10,000		450,210	114,210	159.696,611
781		22,561	5,620	8.031,771					
					10,000		450,210	121,020	159.817,631
782		22,561	6,482	8.038,253					
					10,000	0,310	450,520	108,770	159.926,401
783	0,031	22,592	4,395	8.042,648					
					10,000	0,310	450,830	105,830	160.032,231
784		22,592	6,188	8.048,836					
					10,000		450,830	123,660	160.155,891
785		22,592	6,178	8.055,014					
					10,000		450,830	115,430	160.271,321
786		22,592	5,365	8.060,379					
					10,000		450,830	114,610	160.385,931
787		22,592	6,096	8.066,475					
					10,000		450,830	121,190	160.507,121
788		22,592	6,023	8.072,498					
					10,000		450,830	117,680	160.624,801
789		22,592	5,745	8.078,243					
					10,000		450,830	80,850	160.705,651
790		22,592	2,340	8.080,583					
					10,000	30,680	481,510	23,400	160.729,051
791	3,068	25,660		8.080,583					
					10,000	49,060	530,570		160.729,051
792	1,838	27,498		8.080,583					
					10,000	18,380	548,950	36,700	160.765,751
793		27,498	3,670	8.084,253					
					10,000		548,950	101,020	160.866,771
794		27,498	6,432	8.090,685					
					10,000		548,950	131,990	160.998,761
795		27,498	6,767	8.097,452					
					10,000		548,950	155,090	161.153,851
796		27,498	8,742	8.106,194					
					10,000		548,950	149,360	161.303,211
797		27,498	6,194	8.112,388					
					10,000		548,950	153,730	161.456,941
798		27,498	9,179	8.121,567					
					10,000		548,950	183,570	161.640,511
799		27,498	9,178	8.130,745					
					10,000		548,950	176,690	161.817,201

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
800		27,498	8,491	8.139,236					
					10,000		548,950	170,640	161.987,841
801		27,498	8,573	8.147,809					
					10,000		548,950	181,940	162.169,781
802		27,498	9,621	8.157,430					
					10,000		548,950	195,150	162.364,931
803		27,498	9,894	8.167,324					
					10,000		548,950	190,620	162.555,551
804		27,498	9,168	8.176,492					
					10,000		548,950	185,860	162.741,411
805		27,498	9,418	8.185,910					
					10,000		548,950	176,300	162.917,711
806		27,498	8,212	8.194,122					
					10,000		548,950	158,410	163.076,121
807		27,498	7,629	8.201,751					
					10,000		548,950	105,050	163.181,171
808		27,498	2,876	8.204,627					
					10,000	19,290	568,240	28,760	163.209,931
809	1,929	29,427		8.204,627					
					10,000	23,260	591,500	1,000	163.210,931
810	0,397	29,824	0,100	8.204,727					
					10,000	3,970	595,470	65,780	163.276,711
811		29,824	6,478	8.211,205					
					10,000		595,470	111,580	163.388,291
812		29,824	4,680	8.215,885					
					10,000		595,470	125,360	163.513,651
813		29,824	7,856	8.223,741					
					10,000		595,470	192,000	163.705,651
814		29,824	11,344	8.235,085					
					10,000		595,470	232,030	163.937,681
815		29,824	11,859	8.246,944					
					10,000		595,470	243,540	164.181,221
816		29,824	12,495	8.259,439					
					10,000		595,470	247,660	164.428,881
817		29,824	12,271	8.271,710					
					10,000		595,470	237,070	164.665,951
818		29,824	11,436	8.283,146					
					10,000		595,470	248,320	164.914,271
819		29,824	13,396	8.296,542					
					10,000		595,470	274,240	165.188,511
820		29,824	14,028	8.310,570					
					10,000		595,470	274,320	165.462,831
821		29,824	13,404	8.323,974					
					10,000		595,470	276,810	165.739,641
822		29,824	14,277	8.338,251					
					10,000		595,470	286,170	166.025,811
823		29,824	14,340	8.352,591					
					10,000		595,470	272,720	166.298,531
824		29,824	12,932	8.365,523					
					10,000		595,470	277,240	166.575,771
825		29,824	14,792	8.380,315					
					10,000		595,470	294,440	166.870,211
826		29,824	14,652	8.394,967					
					10,000		595,470	293,050	167.163,261
827		29,824	14,653	8.409,620					
					10,000		595,470	297,150	167.460,411
828		29,824	15,062	8.424,682					
					10,000		595,470	296,260	167.756,671
829		29,824	14,564	8.439,246					
					10,000		595,470	277,370	168.034,041
830		29,824	13,173	8.452,419					
					10,000		595,470	246,670	168.280,711
831		29,824	11,494	8.463,913					
					10,000		595,470	178,920	168.459,631
832		29,824	6,398	8.470,311					
					10,000		595,470	124,810	168.584,441
833		29,824	6,083	8.476,394					
					10,000		595,470	174,980	168.759,421
834		29,824	11,415	8.487,809					
					10,000		595,470	274,090	169.033,511

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
835		29,824	15,994	8.503,803					
					10,000		595,470	328,020	169.361,531
836		29,824	16,808	8.520,611					
					10,000		595,470	334,870	169.696,401
837		29,824	16,679	8.537,290					
					10,000		595,470	336,330	170.032,731
838		29,824	16,954	8.554,244					
					10,000		595,470	342,570	170.375,301
839		29,824	17,303	8.571,547					
					10,000		595,470	335,660	170.710,961
840		29,824	16,263	8.587,810					
					10,000		595,470	324,700	171.035,661
841		29,824	16,207	8.604,017					
					10,000		595,470	296,200	171.331,861
842		29,824	13,413	8.617,430					
					10,000		595,470	295,550	171.627,411
843		29,824	16,142	8.633,572					
					10,000		595,470	319,400	171.946,811
844		29,824	15,798	8.649,370					
					10,000		595,470	307,210	172.254,021
845		29,824	14,923	8.664,293					
					10,000		595,470	290,560	172.544,581
846		29,824	14,133	8.678,426					
					10,000		595,470	270,600	172.815,181
847		29,824	12,927	8.691,353					
					10,000		595,470	253,930	173.069,111
848		29,824	12,466	8.703,819					
					10,000		595,470	246,640	173.315,751
849		29,824	12,198	8.716,017					
					10,000		595,470	243,000	173.558,751
850		29,824	12,102	8.728,119					
					9,065		595,470	221,422	173.780,173
850+18,130		29,824	12,324	8.740,443					
					0,935		595,470	23,069	173.803,242
851		29,824	12,349	8.752,792					
					10,000		595,470	248,720	174.051,962
852		29,824	12,523	8.765,315					
					10,000		595,470	264,110	174.316,072
853		29,824	13,888	8.779,203					
					10,000		595,470	273,260	174.589,332
854		29,824	13,438	8.792,641					
					10,000		595,470	270,000	174.859,332
855		29,824	13,562	8.806,203					
					10,000		595,470	211,510	175.070,842
856		29,824	7,589	8.813,792					
					10,000		595,470	168,290	175.239,132
857		29,824	9,240	8.823,032					
					10,000		595,470	195,190	175.434,322
858		29,824	10,279	8.833,311					
					10,000		595,470	236,200	175.670,522
859		29,824	13,341	8.846,652					
					10,000		595,470	267,410	175.937,932
860		29,824	13,400	8.860,052					
					10,000		595,470	268,610	176.206,542
861		29,824	13,461	8.873,513					
					10,000		595,470	263,170	176.469,712
862		29,824	12,856	8.886,369					
					10,000		595,470	248,550	176.718,262
863		29,824	11,999	8.898,368					
					10,000		595,470	234,900	176.953,162
864		29,824	11,491	8.909,859					
					10,000		595,470	228,990	177.182,152
865		29,824	11,408	8.921,267					
					10,000		595,470	219,800	177.401,952
866		29,824	10,572	8.931,839					
					10,000		595,470	213,570	177.615,522
867		29,824	10,785	8.942,624					
					10,000		595,470	216,180	177.831,702
868		29,824	10,833	8.953,457					
					10,000		595,470	213,890	178.045,592

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
869		29,824	10,556	8.964,013					
					10,000		595,470	199,290	178.244,882
870		29,824	9,373	8.973,386					
					10,000		595,470	180,230	178.425,112
871		29,824	8,650	8.982,036					
					10,000		595,470	181,390	178.606,502
872		29,824	9,489	8.991,525					
					10,000		595,470	188,510	178.795,012
873		29,824	9,362	9.000,887					
					10,000		595,470	153,510	178.948,522
874		29,824	5,989	9.006,876					
					10,000		595,470	125,130	179.073,652
875		29,824	6,524	9.013,400					
					10,000		595,470	121,180	179.194,832
876		29,824	5,594	9.018,994					
					10,000		595,470	105,590	179.300,422
877		29,824	4,965	9.023,959					
					10,000		595,470	108,350	179.408,772
878		29,824	5,870	9.029,829					
					10,000		595,470	113,980	179.522,752
879		29,824	5,528	9.035,357					
					10,000		595,470	77,180	179.599,932
880		29,824	2,190	9.037,547					
					10,000		595,470	46,240	179.646,172
881		29,824	2,434	9.039,981					
					10,000		595,470	60,870	179.707,042
882		29,824	3,653	9.043,634					
					10,000		595,470	77,110	179.784,152
883		29,824	4,058	9.047,692					
					10,000		595,470	84,580	179.868,732
884		29,824	4,400	9.052,092					
					10,000		595,470	111,840	179.980,572
885		29,824	6,784	9.058,876					
					10,000		595,470	141,070	180.121,642
886		29,824	7,323	9.066,199					
					10,000		595,470	153,620	180.275,262
887		29,824	8,039	9.074,238					
					10,000		595,470	158,950	180.434,212
888		29,824	7,856	9.082,094					
					10,000		595,470	153,490	180.587,702
889		29,824	7,493	9.089,587					
					10,000		595,470	148,800	180.736,502
890		29,824	7,387	9.096,974					
					10,000		595,470	142,760	180.879,262
891		29,824	6,889	9.103,863					
					10,000		595,470	135,730	181.014,992
892		29,824	6,684	9.110,547					
					10,000		595,470	126,780	181.141,772
893		29,824	5,994	9.116,541					
					10,000		595,470	120,150	181.261,922
894		29,824	6,021	9.122,562					
					10,000		595,470	118,740	181.380,662
895		29,824	5,853	9.128,415					
					10,000		595,470	121,830	181.502,492
896		29,824	6,330	9.134,745					
					10,000		595,470	129,540	181.632,032
897		29,824	6,624	9.141,369					
					10,000	0,050	595,520	112,990	181.745,022
898	0,005	29,829	4,675	9.146,044					
					10,000	7,780	603,300	50,070	181.795,092
899	0,773	30,602	0,332	9.146,376					
					10,000	31,240	634,540	3,320	181.798,412
900	2,351	32,953		9.146,376					
					10,000	23,530	658,070	9,700	181.808,112
901	0,002	32,955	0,970	9.147,346					
					10,000	0,020	658,090	55,140	181.863,252
902		32,955	4,544	9.151,890					
					10,000		658,090	111,740	181.974,992
903		32,955	6,630	9.158,520					
					10,000		658,090	119,620	182.094,612

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
904		32,955	5,332	9.163,852					
					10,000		658,090	122,990	182.217,602
905		32,955	6,967	9.170,819					
					10,000		658,090	144,660	182.362,262
906		32,955	7,499	9.178,318					
					10,000		658,090	147,160	182.509,422
907		32,955	7,217	9.185,535					
					10,000		658,090	149,140	182.658,562
908		32,955	7,697	9.193,232					
					10,000		658,090	150,020	182.808,582
909		32,955	7,305	9.200,537					
					10,000		658,090	154,990	182.963,572
910		32,955	8,194	9.208,731					
					10,000		658,090	158,400	183.121,972
911		32,955	7,646	9.216,377					
					10,000		658,090	159,570	183.281,542
912		32,955	8,311	9.224,688					
					10,000		658,090	170,750	183.452,292
913		32,955	8,764	9.233,452					
					10,000		658,090	159,190	183.611,482
914		32,955	7,155	9.240,607					
					10,000		658,090	133,570	183.745,052
915		32,955	6,202	9.246,809					
					10,000		658,090	78,300	183.823,352
916		32,955	1,628	9.248,437					
					10,000		658,090	29,800	183.853,152
917		32,955	1,352	9.249,789					
					10,000		658,090	80,800	183.933,952
918		32,955	6,728	9.256,517					
					10,000		658,090	188,160	184.122,112
919		32,955	12,088	9.268,605					
					10,000		658,090	261,850	184.383,962
920		32,955	14,097	9.282,702					
					10,000		658,090	279,390	184.663,352
921		32,955	13,842	9.296,544					
					10,000		658,090	277,810	184.941,162
922		32,955	13,939	9.310,483					
					10,000		658,090	284,350	185.225,512
923		32,955	14,496	9.324,979					
					10,000		658,090	294,780	185.520,292
924		32,955	14,982	9.339,961					
					10,000		658,090	295,480	185.815,772
925		32,955	14,566	9.354,527					
					10,000		658,090	285,320	186.101,092
926		32,955	13,966	9.368,493					
					10,000		658,090	286,790	186.387,882
927		32,955	14,713	9.383,206					
					10,000		658,090	291,880	186.679,762
928		32,955	14,475	9.397,681					
					10,000		658,090	287,700	186.967,462
929		32,955	14,295	9.411,976					
					10,000		658,090	276,400	187.243,862
930		32,955	13,345	9.425,321					
					10,000		658,090	269,200	187.513,062
931		32,955	13,575	9.438,896					
					10,000		658,090	201,610	187.714,672
932		32,955	6,586	9.445,482					
					10,000		658,090	100,380	187.815,052
933		32,955	3,452	9.448,934					
					10,000		658,090	115,400	187.930,452
934		32,955	8,088	9.457,022					
					10,000		658,090	180,830	188.111,282
935		32,955	9,995	9.467,017					
					10,000		658,090	224,430	188.335,712
936		32,955	12,448	9.479,465					
					10,000		658,090	253,160	188.588,872
937		32,955	12,868	9.492,333					
					10,000		658,090	253,520	188.842,392
938		32,955	12,484	9.504,817					
					10,000		658,090	240,990	189.083,382

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
939		32,955	11,615	9.516,432					
					10,000		658,090	228,610	189.311,992
940		32,955	11,246	9.527,678					
					10,000		658,090	227,080	189.539,072
941		32,955	11,462	9.539,140					
					10,000		658,090	224,350	189.763,422
942		32,955	10,973	9.550,113					
					10,000		658,090	223,120	189.986,542
943		32,955	11,339	9.561,452					
					10,000		658,090	218,660	190.205,202
944		32,955	10,527	9.571,979					
					10,000		658,090	205,610	190.410,812
945		32,955	10,034	9.582,013					
					10,000		658,090	200,310	190.611,122
946		32,955	9,997	9.592,010					
					10,000		658,090	198,040	190.809,162
947		32,955	9,807	9.601,817					
					10,000		658,090	160,150	190.969,312
948		32,955	6,208	9.608,025					
					10,000		658,090	91,510	191.060,822
949		32,955	2,943	9.610,968					
					10,000	13,100	671,190	29,430	191.090,252
950	1,310	34,265		9.610,968					
					10,000	13,850	685,040	6,040	191.096,292
951	0,075	34,340	0,604	9.611,572					
					10,000	0,750	685,790	57,540	191.153,832
952		34,340	5,150	9.616,722					
					10,000		685,790	125,180	191.279,012
953		34,340	7,368	9.624,090					
					10,000		685,790	138,240	191.417,252
954		34,340	6,456	9.630,546					
					10,000		685,790	146,480	191.563,732
955		34,340	8,192	9.638,738					
					10,000		685,790	152,690	191.716,422
956		34,340	7,077	9.645,815					
					10,000		685,790	137,540	191.853,962
957		34,340	6,677	9.652,492					
					10,000		685,790	145,120	191.999,082
958		34,340	7,835	9.660,327					
					10,000		685,790	149,690	192.148,772
959		34,340	7,134	9.667,461					
					10,000		685,790	129,070	192.277,842
960		34,340	5,773	9.673,234					
					10,000		685,790	128,050	192.405,892
961		34,340	7,032	9.680,266					
					10,000		685,790	137,010	192.542,902
962		34,340	6,669	9.686,935					
					10,000		685,790	135,880	192.678,782
963		34,340	6,919	9.693,854					
					10,000		685,790	134,540	192.813,322
964		34,340	6,535	9.700,389					
					10,000		685,790	114,870	192.928,192
965		34,340	4,952	9.705,341					
					10,000		685,790	92,750	193.020,942
966		34,340	4,323	9.709,664					
					10,000	12,800	698,590	43,230	193.064,172
967	1,280	35,620		9.709,664					
					10,000	40,440	739,030		193.064,172
968	2,764	38,384		9.709,664					
					10,000	27,640	766,670	14,180	193.078,352
969		38,384	1,418	9.711,082					
					10,000		766,670	77,390	193.155,742
970		38,384	6,321	9.717,403					
					10,000		766,670	131,910	193.287,652
971		38,384	6,870	9.724,273					
					10,000		766,670	146,300	193.433,952
972		38,384	7,760	9.732,033					
					10,000		766,670	144,270	193.578,222
973		38,384	6,667	9.738,700					
					10,000		766,670	143,880	193.722,102

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
974		38,384	7,721	9.746,421					
					10,000		766,670	154,820	193.876,922
975		38,384	7,761	9.754,182					
					10,000		766,670	157,990	194.034,912
976		38,384	8,038	9.762,220					
					10,000		766,670	168,200	194.203,112
977		38,384	8,782	9.771,002					
					10,000		766,670	174,040	194.377,152
978		38,384	8,622	9.779,624					
					10,000		766,670	192,000	194.569,152
979		38,384	10,578	9.790,202					
					10,000		766,670	218,400	194.787,552
980		38,384	11,262	9.801,464					
					10,000		766,670	219,380	195.006,932
981		38,384	10,676	9.812,140					
					10,000		766,670	188,000	195.194,932
982		38,384	8,124	9.820,264					
					10,000		766,670	119,450	195.314,382
983		38,384	3,821	9.824,085					
					10,000		766,670	61,130	195.375,512
984		38,384	2,292	9.826,377					
					1,176		766,670	5,786	195.381,298
984+2,351		38,384	2,630	9.829,007					
					8,825		766,670	68,293	195.449,591
985		38,384	5,109	9.834,116					
					10,000		766,670	177,350	195.626,941
986		38,384	12,626	9.846,742					
					10,000		766,670	297,680	195.924,621
987		38,384	17,142	9.863,884					
					10,000		766,670	341,040	196.265,661
988		38,384	16,962	9.880,846					
					10,000		766,670	308,670	196.574,331
989		38,384	13,905	9.894,751					
					10,000		766,670	312,190	196.886,521
990		38,384	17,314	9.912,065					
					10,000		766,670	355,570	197.242,091
991		38,384	18,243	9.930,308					
					10,000		766,670	352,440	197.594,531
992		38,384	17,001	9.947,309					
					10,000		766,670	345,000	197.939,531
993		38,384	17,499	9.964,808					
					10,000		766,670	353,820	198.293,351
994		38,384	17,883	9.982,691					
					10,000		766,670	364,990	198.658,341
995		38,384	18,616	10.001,307					
					10,000		766,670	364,550	199.022,891
996		38,384	17,839	10.019,146					
					10,000		766,670	368,950	199.391,841
997		38,384	19,056	10.038,202					
					10,000		766,670	376,930	199.768,771
998		38,384	18,637	10.056,839					
					10,000		766,670	379,600	200.148,371
999		38,384	19,323	10.076,162					
					10,000		766,670	387,030	200.535,401
1000		38,384	19,380	10.095,542					
					10,000		766,670	369,830	200.905,231
1001		38,384	17,603	10.113,145					
					10,000		766,670	336,950	201.242,181
1002		38,384	16,092	10.129,237					
					10,000		766,670	315,370	201.557,551
1003		38,384	15,445	10.144,682					
					10,000		766,670	296,520	201.854,071
1004		38,384	14,207	10.158,889					
					10,000		766,670	274,050	202.128,121
1005		38,384	13,198	10.172,087					
					10,000		766,670	245,580	202.373,701
1006		38,384	11,360	10.183,447					
					10,000		766,670	217,520	202.591,221
1007		38,384	10,392	10.193,839					
					10,000		766,670	206,580	202.797,801

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1008		38,384	10,266	10.204,105					
					10,000		766,670	182,360	202.980,161
1009		38,384	7,970	10.212,075					
					10,000		766,670	156,920	203.137,081
1010		38,384	7,722	10.219,797					
					10,000		766,670	177,090	203.314,171
1011		38,384	9,987	10.229,784					
					10,000		766,670	209,380	203.523,551
1012		38,384	10,951	10.240,735					
					10,000		766,670	214,150	203.737,701
1013		38,384	10,464	10.251,199					
					10,000		766,670	163,410	203.901,111
1014		38,384	5,877	10.257,076					
					10,000		766,670	87,000	203.988,111
1015		38,384	2,823	10.259,899					
					10,000		766,670	78,850	204.066,961
1016		38,384	5,062	10.264,961					
					10,000		766,670	152,550	204.219,511
1017		38,384	10,193	10.275,154					
					10,000		766,670	206,090	204.425,601
1018		38,384	10,416	10.285,570					
					10,000		766,670	198,380	204.623,981
1019		38,384	9,422	10.294,992					
					10,000		766,670	182,190	204.806,171
1020		38,384	8,797	10.303,789					
					10,000		766,670	175,340	204.981,511
1021		38,384	8,737	10.312,526					
					10,000		766,670	172,560	205.154,071
1022		38,384	8,519	10.321,045					
					10,000		766,670	158,620	205.312,691
1023		38,384	7,343	10.328,388					
					10,000		766,670	108,240	205.420,931
1024		38,384	3,481	10.331,869					
					10,000	8,920	775,590	34,810	205.455,741
1025	0,892	39,276		10.331,869					
					10,000	8,920	784,510	25,440	205.481,181
1026		39,276	2,544	10.334,413					
					10,000		784,510	103,430	205.584,611
1027		39,276	7,799	10.342,212					
					10,000		784,510	162,490	205.747,101
1028		39,276	8,450	10.350,662					
					10,000		784,510	173,920	205.921,021
1029		39,276	8,942	10.359,604					
					10,000		784,510	181,750	206.102,771
1030		39,276	9,233	10.368,837					
					10,000		784,510	174,980	206.277,751
1031		39,276	8,265	10.377,102					
					10,000		784,510	161,690	206.439,441
1032		39,276	7,904	10.385,006					
					10,000		784,510	146,170	206.585,611
1033		39,276	6,713	10.391,719					
					10,000		784,510	152,460	206.738,071
1034		39,276	8,533	10.400,252					
					10,000		784,510	163,440	206.901,511
1035		39,276	7,811	10.408,063					
					10,000		784,510	162,620	207.064,131
1036		39,276	8,451	10.416,514					
					10,000		784,510	166,240	207.230,371
1037		39,276	8,173	10.424,687					
					10,000		784,510	165,380	207.395,751
1038		39,276	8,365	10.433,052					
					10,000		784,510	156,000	207.551,751
1039		39,276	7,235	10.440,287					
					10,000		784,510	150,750	207.702,501
1040		39,276	7,840	10.448,127					
					10,000		784,510	133,970	207.836,471
1041		39,276	5,557	10.453,684					
					10,000		784,510	71,670	207.908,141
1042		39,276	1,610	10.455,294					
					10,000	9,490	794,000	16,100	207.924,241

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1043	0,949	40,225		10.455,294					
					10,000	9,490	803,490	29,190	207.953,431
1044		40,225	2,919	10.458,213					
					10,000		803,490	90,000	208.043,431
1045		40,225	6,081	10.464,294					
					10,000		803,490	140,040	208.183,471
1046		40,225	7,923	10.472,217					
					10,000		803,490	159,000	208.342,471
1047		40,225	7,977	10.480,194					
					10,000		803,490	160,640	208.503,111
1048		40,225	8,087	10.488,281					
					10,000		803,490	163,790	208.666,901
1049		40,225	8,292	10.496,573					
					10,000		803,490	165,840	208.832,741
1050		40,225	8,292	10.504,865					
					10,000		803,490	158,360	208.991,101
1051		40,225	7,544	10.512,409					
					10,000		803,490	155,660	209.146,761
1052		40,225	8,022	10.520,431					
					10,000		803,490	167,820	209.314,581
1053		40,225	8,760	10.529,191					
					10,000		803,490	183,870	209.498,451
1054		40,225	9,627	10.538,818					
					10,000		803,490	193,420	209.691,871
1055		40,225	9,715	10.548,533					
					10,000		803,490	196,360	209.888,231
1056		40,225	9,921	10.558,454					
					10,000		803,490	197,690	210.085,921
1057		40,225	9,848	10.568,302					
					10,000		803,490	210,170	210.296,091
1058		40,225	11,169	10.579,471					
					10,000		803,490	226,440	210.522,531
1059		40,225	11,475	10.590,946					
					10,000		803,490	223,260	210.745,791
1060		40,225	10,851	10.601,797					
					10,000		803,490	215,520	210.961,311
1061		40,225	10,701	10.612,498					
					10,000		803,490	215,800	211.177,111
1062		40,225	10,879	10.623,377					
					10,000		803,490	204,400	211.381,511
1063		40,225	9,561	10.632,938					
					10,000		803,490	196,650	211.578,161
1064		40,225	10,104	10.643,042					
					10,000		803,490	199,090	211.777,251
1065		40,225	9,805	10.652,847					
					10,000		803,490	203,810	211.981,061
1066		40,225	10,576	10.663,423					
					10,000		803,490	225,320	212.206,381
1067		40,225	11,956	10.675,379					
					10,000		803,490	219,280	212.425,661
1068		40,225	9,972	10.685,351					
					10,000		803,490	214,170	212.639,831
1069		40,225	11,445	10.696,796					
					10,000		803,490	234,720	212.874,551
1070		40,225	12,027	10.708,823					
					10,000		803,490	231,050	213.105,601
1071		40,225	11,078	10.719,901					
					10,000		803,490	219,470	213.325,071
1072		40,225	10,869	10.730,770					
					10,000		803,490	211,820	213.536,891
1073		40,225	10,313	10.741,083					
					10,000		803,490	159,810	213.696,701
1074		40,225	5,668	10.746,751					
					10,000		803,490	94,480	213.791,181
1075		40,225	3,780	10.750,531					
					10,000		803,490	91,100	213.882,281
1076		40,225	5,330	10.755,861					
					10,000		803,490	137,420	214.019,701
1077		40,225	8,412	10.764,273					
					10,000		803,490	162,710	214.182,411

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1078		40,225	7,859	10.772,132					
					10,000		803,490	122,570	214.304,981
1079		40,225	4,398	10.776,530					
					10,000		803,490	112,040	214.417,021
1080		40,225	6,806	10.783,336					
					10,000		803,490	128,820	214.545,841
1081		40,225	6,076	10.789,412					
					10,000		803,490	125,110	214.670,951
1082		40,225	6,435	10.795,847					
					10,000		803,490	125,770	214.796,721
1083		40,225	6,142	10.801,989					
					10,000		803,490	119,320	214.916,041
1084		40,225	5,790	10.807,779					
					10,000		803,490	108,870	215.024,911
1085		40,225	5,097	10.812,876					
					10,000		803,490	104,990	215.129,901
1086		40,225	5,402	10.818,278					
					10,000		803,490	109,720	215.239,621
1087		40,225	5,570	10.823,848					
					10,000		803,490	111,240	215.350,861
1088		40,225	5,554	10.829,402					
					10,000		803,490	116,560	215.467,421
1089		40,225	6,102	10.835,504					
					10,000		803,490	126,660	215.594,081
1090		40,225	6,564	10.842,068					
					10,000		803,490	127,390	215.721,471
1091		40,225	6,175	10.848,243					
					10,000		803,490	132,190	215.853,661
1092		40,225	7,044	10.855,287					
					10,000		803,490	140,750	215.994,411
1093		40,225	7,031	10.862,318					
					10,000		803,490	137,150	216.131,561
1094		40,225	6,684	10.869,002					
					10,000		803,490	104,820	216.236,381
1095		40,225	3,798	10.872,800					
					10,000		803,490	68,450	216.304,831
1096		40,225	3,047	10.875,847					
					10,000		803,490	79,910	216.384,741
1097		40,225	4,944	10.880,791					
					10,000		803,490	145,390	216.530,131
1098		40,225	9,595	10.890,386					
					10,000		803,490	193,260	216.723,391
1099		40,225	9,731	10.900,117					
					10,000		803,490	194,560	216.917,951
1100		40,225	9,725	10.909,842					
					10,000		803,490	196,880	217.114,831
1101		40,225	9,963	10.919,805					
					10,000		803,490	204,100	217.318,931
1102		40,225	10,447	10.930,252					
					10,000		803,490	219,540	217.538,471
1103		40,225	11,507	10.941,759					
					10,000		803,490	236,780	217.775,251
1104		40,225	12,171	10.953,930					
					10,000		803,490	249,700	218.024,951
1105		40,225	12,799	10.966,729					
					10,000		803,490	273,100	218.298,051
1106		40,225	14,511	10.981,240					
					10,000		803,490	292,200	218.590,251
1107		40,225	14,709	10.995,949					
					10,000		803,490	312,200	218.902,451
1108		40,225	16,511	11.012,460					
					10,000		803,490	339,030	219.241,481
1109		40,225	17,392	11.029,852					
					10,000		803,490	333,480	219.574,961
1110		40,225	15,956	11.045,808					
					10,000		803,490	339,540	219.914,501
1111		40,225	17,998	11.063,806					
					10,000		803,490	380,380	220.294,881
1112		40,225	20,040	11.083,846					
					10,000		803,490	410,350	220.705,231

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1113		40,225	20,995	11.104,841					
					10,000		803,490	444,310	221.149,541
1114		40,225	23,436	11.128,277					
					10,000		803,490	474,070	221.623,611
1115		40,225	23,971	11.152,248					
					10,000		803,490	494,640	222.118,251
1116		40,225	25,493	11.177,741					
					10,000		803,490	514,500	222.632,751
1117		40,225	25,957	11.203,698					
					10,000		803,490	575,220	223.207,971
1118		40,225	31,565	11.235,263					
					10,000		803,490	628,750	223.836,721
1119		40,225	31,310	11.266,573					
					10,000		803,490	626,860	224.463,581
1120		40,225	31,376	11.297,949					
					10,000		803,490	637,420	225.101,001
1121		40,225	32,366	11.330,315					
					10,000		803,490	663,500	225.764,501
1122		40,225	33,984	11.364,299					
					10,000		803,490	664,550	226.429,051
1123		40,225	32,471	11.396,770					
					10,000		803,490	652,360	227.081,411
1124		40,225	32,765	11.429,535					
					10,000		803,490	652,990	227.734,401
1125		40,225	32,534	11.462,069					
					10,000		803,490	650,030	228.384,431
1126		40,225	32,469	11.494,538					
					10,000		803,490	650,890	229.035,321
1127		40,225	32,620	11.527,158					
					10,000		803,490	628,200	229.663,521
1128		40,225	30,200	11.557,358					
					10,000		803,490	600,350	230.263,871
1129		40,225	29,835	11.587,193					
					10,000		803,490	577,600	230.841,471
1130		40,225	27,925	11.615,118					
					10,000		803,490	543,040	231.384,511
1131		40,225	26,379	11.641,497					
					10,000		803,490	501,470	231.885,981
1132		40,225	23,768	11.665,265					
					10,000		803,490	471,680	232.357,661
1133		40,225	23,400	11.688,665					
					10,000		803,490	455,520	232.813,181
1134		40,225	22,152	11.710,817					
					10,000		803,490	394,460	233.207,641
1135		40,225	17,294	11.728,111					
					10,000		803,490	324,040	233.531,681
1136		40,225	15,110	11.743,221					
					10,000		803,490	270,030	233.801,711
1137		40,225	11,893	11.755,114					
					10,000		803,490	213,150	234.014,861
1138		40,225	9,422	11.764,536					
					10,000		803,490	183,390	234.198,251
1139		40,225	8,917	11.773,453					
					10,000		803,490	189,850	234.388,101
1140		40,225	10,068	11.783,521					
					10,000		803,490	199,990	234.588,091
1141		40,225	9,931	11.793,452					
					10,000		803,490	190,690	234.778,781
1142		40,225	9,138	11.802,590					
					10,000		803,490	181,470	234.960,251
1143		40,225	9,009	11.811,599					
					10,000		803,490	173,730	235.133,981
1144		40,225	8,364	11.819,963					
					10,000		803,490	175,220	235.309,201
1145		40,225	9,158	11.829,121					
					10,000		803,490	183,870	235.493,071
1146		40,225	9,229	11.838,350					
					10,000		803,490	184,140	235.677,211
1147		40,225	9,185	11.847,535					
					10,000		803,490	187,470	235.864,681

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1148		40,225	9,562	11.857,097					
					10,000		803,490	199,050	236.063,731
1149		40,225	10,343	11.867,440					
					10,000		803,490	197,990	236.261,721
1150		40,225	9,456	11.876,896					
					10,000		803,490	186,040	236.447,761
1151		40,225	9,148	11.886,044					
					10,000		803,490	172,380	236.620,141
1152		40,225	8,090	11.894,134					
					10,000		803,490	169,530	236.789,671
1153		40,225	8,863	11.902,997					
					10,000		803,490	168,780	236.958,451
1154		40,225	8,015	11.911,012					
					10,000		803,490	141,410	237.099,861
1155		40,225	6,126	11.917,138					
					10,000		803,490	98,480	237.198,341
1156		40,225	3,722	11.920,860					
					10,000	6,060	809,550	39,690	237.238,031
1157	0,606	40,831	0,247	11.921,107					
					10,000	6,060	815,610	28,370	237.266,401
1158		40,831	2,590	11.923,697					
					10,000		815,610	104,350	237.370,751
1159		40,831	7,845	11.931,542					
					10,000		815,610	158,050	237.528,801
1160		40,831	7,960	11.939,502					
					10,000		815,610	153,930	237.682,731
1161		40,831	7,433	11.946,935					
					10,000		815,610	142,640	237.825,371
1162		40,831	6,831	11.953,766					
					10,000		815,610	143,830	237.969,201
1163		40,831	7,552	11.961,318					
					10,000		815,610	145,200	238.114,401
1164		40,831	6,968	11.968,286					
					10,000		815,610	112,950	238.227,351
1165		40,831	4,327	11.972,613					
					10,000		815,610	91,680	238.319,031
1166		40,831	4,841	11.977,454					
					10,000		815,610	96,940	238.415,971
1167		40,831	4,853	11.982,307					
					10,000		815,610	101,520	238.517,491
1168		40,831	5,299	11.987,606					
					10,000		815,610	99,530	238.617,021
1169		40,831	4,654	11.992,260					
					10,000		815,610	103,930	238.720,951
1170		40,831	5,739	11.997,999					
					10,000		815,610	117,600	238.838,551
1171		40,831	6,021	12.004,020					
					10,000		815,610	118,490	238.957,041
1172		40,831	5,828	12.009,848					
					10,000		815,610	116,220	239.073,261
1173		40,831	5,794	12.015,642					
					10,000		815,610	99,880	239.173,141
1174		40,831	4,194	12.019,836					
					10,000	18,100	833,710	42,020	239.215,161
1175	1,810	42,641	0,008	12.019,844					
					10,000	24,780	858,490	9,990	239.225,151
1176	0,668	43,309	0,991	12.020,835					
					10,000	6,680	865,170	53,220	239.278,371
1177		43,309	4,331	12.025,166					
					10,000		865,170	101,370	239.379,741
1178		43,309	5,806	12.030,972					
					10,000		865,170	119,530	239.499,271
1179		43,309	6,147	12.037,119					
					10,000		865,170	123,500	239.622,771
1180		43,309	6,203	12.043,322					
					10,000		865,170	120,790	239.743,561
1181		43,309	5,876	12.049,198					
					10,000		865,170	118,820	239.862,381
1182		43,309	6,006	12.055,204					
					10,000		865,170	119,700	239.982,081

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1183		43,309	5,964	12.061,168					
					10,000	0,090	865,260	101,790	240.083,871
1184	0,009	43,318	4,215	12.065,383					
					10,000	0,090	865,350	80,870	240.164,741
1185		43,318	3,872	12.069,255					
					10,000		865,350	79,900	240.244,641
1186		43,318	4,118	12.073,373					
					10,000		865,350	84,320	240.328,961
1187		43,318	4,314	12.077,687					
					10,000		865,350	87,570	240.416,531
1188		43,318	4,443	12.082,130					
					10,000		865,350	75,210	240.491,741
1189		43,318	3,078	12.085,208					
					10,000	9,920	875,270	31,690	240.523,431
1190	0,992	44,310	0,091	12.085,299					
					10,000	45,060	920,330	0,910	240.524,341
1191	3,514	47,824		12.085,299					
					10,000	43,260	963,590	0,460	240.524,801
1192	0,812	48,636	0,046	12.085,345					
					10,000	8,120	971,710	29,360	240.554,161
1193		48,636	2,890	12.088,235					
					10,000		971,710	73,200	240.627,361
1194		48,636	4,430	12.092,665					
					10,000		971,710	90,570	240.717,931
1195		48,636	4,627	12.097,292					
					10,000		971,710	98,700	240.816,631
1196		48,636	5,243	12.102,535					
					10,000		971,710	115,330	240.931,961
1197		48,636	6,290	12.108,825					
					10,000		971,710	128,510	241.060,471
1198		48,636	6,561	12.115,386					
					10,000		971,710	130,990	241.191,461
1199		48,636	6,538	12.121,924					
					10,000		971,710	144,020	241.335,481
1200		48,636	7,864	12.129,788					
					10,000		971,710	155,480	241.490,961
1201		48,636	7,684	12.137,472					
					10,000		971,710	166,340	241.657,301
1202		48,636	8,950	12.146,422					
					10,000		971,710	180,620	241.837,921
1203		48,636	9,112	12.155,534					
					10,000		971,710	140,890	241.978,811
1204		48,636	4,977	12.160,511					
					10,000	1,180	972,890	64,460	242.043,271
1205	0,118	48,754	1,469	12.161,980					
					10,000	1,180	974,070	70,130	242.113,401
1206		48,754	5,544	12.167,524					
					10,000		974,070	168,720	242.282,121
1207		48,754	11,328	12.178,852					
					10,000		974,070	221,410	242.503,531
1208		48,754	10,813	12.189,665					
					10,000		974,070	219,890	242.723,421
1209		48,754	11,176	12.200,841					
					10,000		974,070	223,460	242.946,881
1210		48,754	11,170	12.212,011					
					10,000		974,070	219,950	243.166,831
1211		48,754	10,825	12.222,836					
					10,000		974,070	210,730	243.377,561
1212		48,754	10,248	12.233,084					
					10,000		974,070	213,260	243.590,821
1213		48,754	11,078	12.244,162					
					10,000		974,070	212,680	243.803,501
1214		48,754	10,190	12.254,352					
					10,000		974,070	199,420	244.002,921
1215		48,754	9,752	12.264,104					
					10,000		974,070	186,440	244.189,361
1216		48,754	8,892	12.272,996					
					10,000		974,070	172,410	244.361,771
1217		48,754	8,349	12.281,345					
					10,000		974,070	149,090	244.510,861

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1218		48,754	6,560	12.287,905					
					10,000		974,070	131,440	244.642,301
1219		48,754	6,584	12.294,489					
					10,000		974,070	98,700	244.741,001
1220		48,754	3,286	12.297,775					
					10,000	2,400	976,470	46,720	244.787,721
1221	0,240	48,994	1,386	12.299,161					
					10,000	2,410	978,880	37,520	244.825,241
1222	0,001	48,995	2,366	12.301,527					
					10,000	0,010	978,890	77,000	244.902,241
1223		48,995	5,334	12.306,861					
					10,000	0,470	979,360	75,680	244.977,921
1224	0,047	49,042	2,234	12.309,095					
					10,000	0,470	979,830	81,840	245.059,761
1225		49,042	5,950	12.315,045					
					10,000		979,830	128,500	245.188,261
1226		49,042	6,900	12.321,945					
					10,000		979,830	136,150	245.324,411
1227		49,042	6,715	12.328,660					
					10,000		979,830	132,090	245.456,501
1228		49,042	6,494	12.335,154					
					10,000		979,830	119,080	245.575,581
1229		49,042	5,414	12.340,568					
					10,000		979,830	115,770	245.691,351
1230		49,042	6,163	12.346,731					
					10,000		979,830	131,860	245.823,211
1231		49,042	7,023	12.353,754					
					10,000		979,830	134,490	245.957,701
1232		49,042	6,426	12.360,180					
					10,000		979,830	126,690	246.084,391
1233		49,042	6,243	12.366,423					
					10,000		979,830	131,430	246.215,821
1234		49,042	6,900	12.373,323					
					10,000		979,830	138,510	246.354,331
1235		49,042	6,951	12.380,274					
					10,000		979,830	145,300	246.499,631
1236		49,042	7,579	12.387,853					
					10,000		979,830	149,220	246.648,851
1237		49,042	7,343	12.395,196					
					10,000		979,830	95,030	246.743,881
1238		49,042	2,160	12.397,356					
					10,000		979,830	48,220	246.792,101
1239		49,042	2,662	12.400,018					
					10,000		979,830	75,290	246.867,391
1240		49,042	4,867	12.404,885					
					10,000		979,830	136,680	247.004,071
1241		49,042	8,801	12.413,686					
					10,000		979,830	183,370	247.187,441
1242		49,042	9,536	12.423,222					
					10,000		979,830	197,740	247.385,181
1243		49,042	10,238	12.433,460					
					10,000		979,830	202,000	247.587,181
1244		49,042	9,962	12.443,422					
					10,000		979,830	202,950	247.790,131
1245		49,042	10,333	12.453,755					
					10,000		979,830	212,380	248.002,511
1246		49,042	10,905	12.464,660					
					10,000		979,830	212,900	248.215,411
1247		49,042	10,385	12.475,045					
					10,000		979,830	207,920	248.423,331
1248		49,042	10,407	12.485,452					
					10,000		979,830	202,680	248.626,011
1249		49,042	9,861	12.495,313					
					10,000		979,830	197,800	248.823,811
1250		49,042	9,919	12.505,232					
					10,000		979,830	202,020	249.025,831
1251		49,042	10,283	12.515,515					
					10,000		979,830	199,290	249.225,121
1252		49,042	9,646	12.525,161					
					10,000		979,830	171,840	249.396,961

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1253		49,042	7,538	12.532,699					
					10,000		979,830	105,840	249.502,801
1254		49,042	3,046	12.535,745					
					10,000		979,830	58,740	249.561,541
1255		49,042	2,828	12.538,573					
					10,000		979,830	82,810	249.644,351
1256		49,042	5,453	12.544,026					
					10,000		979,830	148,650	249.793,001
1257		49,042	9,412	12.553,438					
					10,000		979,830	175,270	249.968,271
1258		49,042	8,115	12.561,553					
					10,000		979,830	167,170	250.135,441
1259		49,042	8,602	12.570,155					
					10,000		979,830	173,940	250.309,381
1260		49,042	8,792	12.578,947					
					10,000		979,830	163,700	250.473,081
1261		49,042	7,578	12.586,525					
					10,000		979,830	159,610	250.632,691
1262		49,042	8,383	12.594,908					
					10,000		979,830	163,300	250.795,991
1263		49,042	7,947	12.602,855					
					10,000		979,830	143,890	250.939,881
1264		49,042	6,442	12.609,297					
					10,000		979,830	143,010	251.082,891
1265		49,042	7,859	12.617,156					
					10,000		979,830	154,420	251.237,311
1266		49,042	7,583	12.624,739					
					10,000		979,830	144,280	251.381,591
1267		49,042	6,845	12.631,584					
					10,000		979,830	134,800	251.516,391
1268		49,042	6,635	12.638,219					
					10,000		979,830	126,240	251.642,631
1269		49,042	5,989	12.644,208					
					10,000		979,830	93,490	251.736,121
1270		49,042	3,360	12.647,568					
					10,000	0,490	980,320	41,090	251.777,211
1271	0,049	49,091	0,749	12.648,317					
					10,000	39,450	1.019,770	7,490	251.784,701
1272	3,896	52,987		12.648,317					
					10,000	40,630	1.060,400	5,270	251.789,971
1273	0,167	53,154	0,527	12.648,844					
					10,000	1,670	1.062,070	30,730	251.820,701
1274		53,154	2,546	12.651,390					
					10,000		1.062,070	83,420	251.904,121
1275		53,154	5,796	12.657,186					
					10,000		1.062,070	139,630	252.043,751
1276		53,154	8,167	12.665,353					
					10,000		1.062,070	150,260	252.194,011
1277		53,154	6,859	12.672,212					
					10,000		1.062,070	127,630	252.321,641
1278		53,154	5,904	12.678,116					
					10,000		1.062,070	109,300	252.430,941
1279		53,154	5,026	12.683,142					
					10,000		1.062,070	92,770	252.523,711
1280		53,154	4,251	12.687,393					
					10,000		1.062,070	83,470	252.607,181
1281		53,154	4,096	12.691,489					
					10,000		1.062,070	92,670	252.699,851
1282		53,154	5,171	12.696,660					
					10,000		1.062,070	100,710	252.800,561
1283		53,154	4,900	12.701,560					
					10,000		1.062,070	101,650	252.902,211
1284		53,154	5,265	12.706,825					
					10,000		1.062,070	108,370	253.010,581
1285		53,154	5,572	12.712,397					
					10,000		1.062,070	115,500	253.126,081
1286		53,154	5,978	12.718,375					
					10,000		1.062,070	120,180	253.246,261
1287		53,154	6,040	12.724,415					
					10,000		1.062,070	85,190	253.331,451

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1288		53,154	2,479	12.726,894					
					10,000	22,600	1.084,670	24,790	253.356,241
1289	2,260	55,414		12.726,894					
					10,000	22,600	1.107,270	27,530	253.383,771
1290		55,414	2,753	12.729,647					
					10,000		1.107,270	93,780	253.477,551
1291		55,414	6,625	12.736,272					
					10,000		1.107,270	126,970	253.604,521
1292		55,414	6,072	12.742,344					
					10,000		1.107,270	116,510	253.721,031
1293		55,414	5,579	12.747,923					
					10,000		1.107,270	113,200	253.834,231
1294		55,414	5,741	12.753,664					
					10,000		1.107,270	117,570	253.951,801
1295		55,414	6,016	12.759,680					
					10,000		1.107,270	119,470	254.071,271
1296		55,414	5,931	12.765,611					
					10,000		1.107,270	121,490	254.192,761
1297		55,414	6,218	12.771,829					
					10,000		1.107,270	121,110	254.313,871
1298		55,414	5,893	12.777,722					
					10,000		1.107,270	122,030	254.435,901
1299		55,414	6,310	12.784,032					
					10,000		1.107,270	124,140	254.560,041
1300		55,414	6,104	12.790,136					
					10,000		1.107,270	127,320	254.687,361
1301		55,414	6,628	12.796,764					
					10,000		1.107,270	130,700	254.818,061
1302		55,414	6,442	12.803,206					
					10,000		1.107,270	132,340	254.950,401
1303		55,414	6,792	12.809,998					
					10,000		1.107,270	142,140	255.092,541
1304		55,414	7,422	12.817,420					
					10,000		1.107,270	137,840	255.230,381
1305		55,414	6,362	12.823,782					
					10,000		1.107,270	143,030	255.373,411
1306		55,414	7,941	12.831,723					
					10,000		1.107,270	151,060	255.524,471
1307		55,414	7,165	12.838,888					
					10,000		1.107,270	80,380	255.604,851
1308		55,414	0,873	12.839,761					
					10,000	0,480	1.107,750	16,040	255.620,891
1309	0,048	55,462	0,731	12.840,492					
					10,000	0,480	1.108,230	45,430	255.666,321
1310		55,462	3,812	12.844,304					
					10,000		1.108,230	95,640	255.761,961
1311		55,462	5,752	12.850,056					
					10,000		1.108,230	126,590	255.888,551
1312		55,462	6,907	12.856,963					
					10,000		1.108,230	134,890	256.023,441
1313		55,462	6,582	12.863,545					
					10,000		1.108,230	134,540	256.157,981
1314		55,462	6,872	12.870,417					
					10,000		1.108,230	140,450	256.298,431
1315		55,462	7,173	12.877,590					
					10,000		1.108,230	146,040	256.444,471
1316		55,462	7,431	12.885,021					
					10,000		1.108,230	142,820	256.587,291
1317		55,462	6,851	12.891,872					
					10,000		1.108,230	145,770	256.733,061
1318		55,462	7,726	12.899,598					
					10,000		1.108,230	152,820	256.885,881
1319		55,462	7,556	12.907,154					
					10,000		1.108,230	156,550	257.042,431
1320		55,462	8,099	12.915,253					
					10,000		1.108,230	162,670	257.205,101
1321		55,462	8,168	12.923,421					
					10,000		1.108,230	165,410	257.370,511
1322		55,462	8,373	12.931,794					
					10,000		1.108,230	168,730	257.539,241

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1323		55,462	8,500	12.940,294					
					10,000		1.108,230	183,050	257.722,291
1324		55,462	9,805	12.950,099			1.108,230	123,780	257.846,071
					10,000		1.108,230	65,440	257.911,511
1325		55,462	2,573	12.952,672			1.108,230		258.031,211
					10,000		1.108,230	119,700	258.221,471
1326		55,462	3,971	12.956,643			1.108,230	190,260	258.437,471
					10,000		1.108,230	216,000	258.636,831
1327		55,462	7,999	12.964,642			1.108,230	188,430	258.825,261
					10,000		1.108,230	195,740	259.021,001
1328		55,462	11,027	12.975,669			1.108,230	196,440	259.217,441
					10,000		1.108,230	191,520	259.408,961
1329		55,462	10,573	12.986,242			1.108,230	186,710	259.595,671
					10,000		1.108,230	177,560	259.773,231
1330		55,462	9,363	12.995,605			1.108,230	182,270	259.955,501
					10,000		1.108,230	188,370	260.143,871
1331		55,462	9,480	13.005,085			1.108,230	181,000	260.324,871
					10,000		1.108,230	175,140	260.500,011
1332		55,462	10,094	13.015,179			1.108,230	173,250	260.673,261
					10,000		1.108,230	172,400	260.845,661
1333		55,462	9,550	13.024,729			1.108,230	163,050	261.008,711
					10,000		1.108,230	107,650	261.116,361
1334		55,462	9,602	13.034,331			1.108,230	43,200	261.159,561
					10,000		1.108,230	90,540	261.250,101
1335		55,462	9,069	13.043,400			1.108,230	174,890	261.424,991
					10,000		1.108,230	182,570	261.607,561
1336		55,462	8,687	13.052,087			1.108,230	171,080	261.778,641
					10,000		1.108,230	173,470	261.952,111
1337		55,462	9,540	13.061,627			1.108,230	180,940	262.133,051
					10,000		1.108,230	184,430	262.317,481
1338		55,462	9,297	13.070,924			1.108,230	181,970	262.499,451
					10,000		1.108,230	184,910	262.684,361
1339		55,462	8,803	13.079,727			1.108,230	184,770	262.869,131
					10,000		1.108,230	185,630	263.054,761
1340		55,462	8,711	13.088,438			1.108,230	191,300	263.246,061
					10,000		1.108,230	189,490	263.435,551
1341		55,462	8,614	13.097,052					
					10,000				
1342		55,462	8,626	13.105,678					
					10,000				
1343		55,462	7,679	13.113,357					
					10,000				
1344		55,462	3,086	13.116,443					
					10,000				
1345		55,462	1,234	13.117,677					
					10,000				
1346		55,462	7,820	13.125,497					
					10,000				
1347		55,462	9,669	13.135,166					
					10,000				
1348		55,462	8,588	13.143,754					
					10,000				
1349		55,462	8,520	13.152,274					
					10,000				
1350		55,462	8,827	13.161,101					
					10,000				
1351		55,462	9,267	13.170,368					
					10,000				
1352		55,462	9,176	13.179,544					
					10,000				
1353		55,462	9,021	13.188,565					
					10,000				
1354		55,462	9,470	13.198,035					
					10,000				
1355		55,462	9,007	13.207,042					
					10,000				
1356		55,462	9,556	13.216,598					
					10,000				
1357		55,462	9,574	13.226,172					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1358		55,462	9,375	13.235,547					
					10,000		1.108,230	190,100	263.625,651
1359		55,462	9,635	13.245,182			1.108,230	196,490	263.822,141
					10,000		1.108,230	185,940	264.008,081
1360		55,462	10,014	13.255,196			1.108,230		
					10,000		1.112,040	88,900	264.096,981
1361		55,462	8,580	13.263,776		3,810	1.112,040		
					10,000	3,810	1.115,850	52,170	264.149,151
1362	0,381	55,843	0,310	13.264,086			1.115,850	121,370	264.270,521
					10,000		1.115,850	175,110	264.445,631
1363		55,843	4,907	13.268,993			1.115,850	200,260	264.645,891
					10,000		1.115,850	192,250	264.838,141
1364		55,843	7,230	13.276,223			1.115,850	183,850	265.021,991
					10,000		1.115,850	168,250	265.190,241
1365		55,843	10,281	13.286,504			1.115,850	162,180	265.352,421
					10,000		1.115,850	160,390	265.512,811
1366		55,843	9,745	13.296,249			1.115,850	148,840	265.661,651
					10,000		1.115,850	143,270	265.804,921
1367		55,843	9,480	13.305,729			1.115,850	140,230	265.945,151
					10,000		1.115,850	147,660	266.092,811
1368		55,843	8,905	13.314,634			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1369		55,843	7,920	13.322,554			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1370		55,843	8,298	13.330,852			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1371		55,843	7,741	13.338,593			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1372		55,843	7,143	13.345,736			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1373		55,843	7,184	13.352,920			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1374		55,843	6,839	13.359,759			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1375		55,843	7,927	13.367,686			1.115,850	134,310	266.227,121
					10,000		1.115,850	134,310	266.227,121
1376		55,843	5,504	13.373,190			1.115,850	134,310	266.227,121
					10,000	21,780	1.137,630	55,040	266.282,161
1377	2,178	58,021		13.373,190			1.159,410	21,880	266.304,041
					10,000	21,780	1.159,410	51,890	266.355,931
1378		58,021	2,188	13.375,378			1.159,410	93,140	266.449,071
					10,000		1.159,410	121,870	266.570,941
1379		58,021	3,001	13.378,379			1.159,410	135,370	266.706,311
					10,000		1.159,410	139,970	266.846,281
1380		58,021	6,313	13.384,692			1.159,410	124,030	266.970,311
					10,000		1.159,410	124,290	267.094,601
1381		58,021	5,874	13.390,566			1.159,410	137,800	267.232,401
					10,000		1.159,410	157,370	267.389,771
1382		58,021	7,663	13.398,229			1.159,410	159,220	267.548,991
					10,000		1.159,410	157,960	267.706,951
1383		58,021	6,334	13.404,563			1.159,410	168,340	267.875,291
					10,000		1.159,410	118,800	267.994,091
1384		58,021	6,069	13.410,632			1.159,410	34,470	268.028,561
					10,000	4,940	1.164,350	12,970	268.041,531
1385		58,021	6,360	13.416,992			1.164,350		
					10,000		1.169,290		
1386		58,021	7,420	13.424,412			1.169,290		
					10,000				
1387		58,021	8,317	13.432,729					
					10,000				
1388		58,021	7,605	13.440,334					
					10,000				
1389		58,021	8,191	13.448,525					
					10,000				
1390		58,021	8,643	13.457,168					
					10,000				
1391		58,021	3,237	13.460,405					
					10,000				
1392	0,494	58,515	0,210	13.460,615					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1393		58,515	1,087	13.461,702					
					10,000		1.169,290	69,190	268.110,721
1394		58,515	5,832	13.467,534					
					10,000		1.169,290	113,850	268.224,571
1395		58,515	5,553	13.473,087					
					10,000		1.169,290	129,070	268.353,641
1396		58,515	7,354	13.480,441					
					10,000		1.169,290	139,370	268.493,011
1397		58,515	6,583	13.487,024					
					10,000		1.169,290	137,480	268.630,491
1398		58,515	7,165	13.494,189					
					10,000		1.169,290	137,680	268.768,171
1399		58,515	6,603	13.500,792					
					10,000		1.169,290	136,500	268.904,671
1400		58,515	7,047	13.507,839					
					10,000		1.169,290	135,010	269.039,681
1401		58,515	6,454	13.514,293					
					10,000		1.169,290	127,890	269.167,571
1402		58,515	6,335	13.520,628					
					10,000		1.169,290	128,270	269.295,841
1403		58,515	6,492	13.527,120					
					10,000		1.169,290	132,080	269.427,921
1404		58,515	6,716	13.533,836					
					10,000		1.169,290	133,400	269.561,321
1405		58,515	6,624	13.540,460					
					10,000		1.169,290	143,560	269.704,881
1406		58,515	7,732	13.548,192					
					10,000		1.169,290	122,490	269.827,371
1407		58,515	4,517	13.552,709					
					10,000	10,700	1.179,990	45,170	269.872,541
1408	1,070	59,585		13.552,709					
					10,000	11,110	1.191,100	4,220	269.876,761
1409	0,041	59,626	0,422	13.553,131					
					10,000	0,410	1.191,510	66,840	269.943,601
1410		59,626	6,262	13.559,393					
					10,000		1.191,510	137,590	270.081,191
1411		59,626	7,497	13.566,890					
					10,000		1.191,510	154,560	270.235,751
1412		59,626	7,959	13.574,849					
					10,000		1.191,510	153,000	270.388,751
1413		59,626	7,341	13.582,190					
					10,000		1.191,510	151,280	270.540,031
1414		59,626	7,787	13.589,977					
					10,000		1.191,510	162,340	270.702,371
1415		59,626	8,447	13.598,424					
					10,000		1.191,510	168,890	270.871,261
1416		59,626	8,442	13.606,866					
					10,000		1.191,510	166,790	271.038,051
1417		59,626	8,237	13.615,103					
					10,000		1.191,510	164,980	271.203,031
1418		59,626	8,261	13.623,364					
					10,000		1.191,510	163,610	271.366,641
1419		59,626	8,100	13.631,464					
					10,000		1.191,510	170,750	271.537,391
1420		59,626	8,975	13.640,439					
					10,000		1.191,510	173,640	271.711,031
1421		59,626	8,389	13.648,828					
					10,000		1.191,510	146,910	271.857,941
1422		59,626	6,302	13.655,130					
					10,000	7,340	1.198,850	64,470	271.922,411
1423	0,734	60,360	0,145	13.655,275					
					10,000	7,340	1.206,190	40,800	271.963,211
1424		60,360	3,935	13.659,210					
					10,000		1.206,190	84,980	272.048,191
1425		60,360	4,563	13.663,773					
					10,000		1.206,190	147,480	272.195,671
1426		60,360	10,185	13.673,958					
					10,000		1.206,190	199,540	272.395,211
1427		60,360	9,769	13.683,727					
					10,000		1.206,190	194,010	272.589,221

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1428		60,360	9,632	13.693,359					
					10,000		1.206,190	195,410	272.784,631
1429		60,360	9,909	13.703,268					
					10,000		1.206,190	200,190	272.984,821
1430		60,360	10,110	13.713,378					
					10,000		1.206,190	192,210	273.177,031
1431		60,360	9,111	13.722,489					
					10,000		1.206,190	194,030	273.371,061
1432		60,360	10,292	13.732,781					
					10,000		1.206,190	207,480	273.578,541
1433		60,360	10,456	13.743,237					
					10,000		1.206,190	205,250	273.783,791
1434		60,360	10,069	13.753,306					
					10,000		1.206,190	194,330	273.978,121
1435		60,360	9,364	13.762,670					
					10,000		1.206,190	201,940	274.180,061
1436		60,360	10,830	13.773,500					
					10,000		1.206,190	216,050	274.396,111
1437		60,360	10,775	13.784,275					
					10,000		1.206,190	216,480	274.612,591
1438		60,360	10,873	13.795,148					
					10,000		1.206,190	213,410	274.826,001
1439		60,360	10,468	13.805,616					
					10,000		1.206,190	200,580	275.026,581
1440		60,360	9,590	13.815,206					
					10,000	0,180	1.206,370	104,440	275.131,021
1441	0,018	60,378	0,854	13.816,060					
					10,000	0,180	1.206,550	58,240	275.189,261
1442		60,378	4,970	13.821,030					
					10,000		1.206,550	128,560	275.317,821
1443		60,378	7,886	13.828,916					
					10,000		1.206,550	189,610	275.507,431
1444		60,378	11,075	13.839,991					
					10,000		1.206,550	226,900	275.734,331
1445		60,378	11,615	13.851,606					
					10,000		1.206,550	231,930	275.966,261
1446		60,378	11,578	13.863,184					
					10,000		1.206,550	225,200	276.191,461
1447		60,378	10,942	13.874,126					
					10,000		1.206,550	216,190	276.407,651
1448		60,378	10,677	13.884,803					
					10,000		1.206,550	205,800	276.613,451
1449		60,378	9,903	13.894,706					
					10,000		1.206,550	206,610	276.820,061
1450		60,378	10,758	13.905,464					
					10,000		1.206,550	212,160	277.032,221
1451		60,378	10,458	13.915,922					
					10,000		1.206,550	211,740	277.243,961
1452		60,378	10,716	13.926,638					
					10,000		1.206,550	216,940	277.460,901
1453		60,378	10,978	13.937,616					
					10,000		1.206,550	218,820	277.679,721
1454		60,378	10,904	13.948,520					
					10,000		1.206,550	211,060	277.890,781
1455		60,378	10,202	13.958,722					
					10,000		1.206,550	216,300	278.107,081
1456		60,378	11,428	13.970,150					
					10,000		1.206,550	211,760	278.318,841
1457		60,378	9,748	13.979,898					
					10,000		1.206,550	142,120	278.460,961
1458		60,378	4,464	13.984,362					
					10,000		1.206,550	74,510	278.535,471
1459		60,378	2,987	13.987,349					
					10,000		1.206,550	110,640	278.646,111
1460		60,378	8,077	13.995,426					
					10,000		1.206,550	192,200	278.838,311
1461		60,378	11,143	14.006,569					
					10,000		1.206,550	225,030	279.063,341
1462		60,378	11,360	14.017,929					
					10,000		1.206,550	223,230	279.286,571

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1463		60,378	10,963	14.028,892					
					10,000		1.206,550	219,610	279.506,181
1464		60,378	10,998	14.039,890					
					10,000		1.206,550	214,880	279.721,061
1465		60,378	10,490	14.050,380					
					10,000		1.206,550	213,150	279.934,211
1466		60,378	10,825	14.061,205					
					10,000		1.206,550	213,160	280.147,371
1467		60,378	10,491	14.071,696					
					10,000		1.206,550	210,750	280.358,121
1468		60,378	10,584	14.082,280					
					10,000		1.206,550	208,740	280.566,861
1469		60,378	10,290	14.092,570					
					10,000		1.206,550	208,970	280.775,831
1470		60,378	10,607	14.103,177					
					10,000		1.206,550	211,460	280.987,291
1471		60,378	10,539	14.113,716					
					10,000		1.206,550	213,180	281.200,471
1472		60,378	10,779	14.124,495					
					10,000		1.206,550	194,560	281.395,031
1473		60,378	8,677	14.133,172					
					10,000		1.206,550	190,720	281.585,751
1474		60,378	10,395	14.143,567					
					10,000		1.206,550	216,510	281.802,261
1475		60,378	11,256	14.154,823					
					10,000		1.206,550	200,930	282.003,191
1476		60,378	8,837	14.163,660					
					10,000		1.206,550	129,280	282.132,471
1477		60,378	4,091	14.167,751					
					10,000		1.206,550	76,210	282.208,681
1478		60,378	3,530	14.171,281					
					10,000		1.206,550	105,680	282.314,361
1479		60,378	7,038	14.178,319					
					10,000		1.206,550	189,410	282.503,771
1480		60,378	11,903	14.190,222					
					10,000		1.206,550	233,410	282.737,181
1481		60,378	11,438	14.201,660					
					10,000		1.206,550	230,200	282.967,381
1482		60,378	11,582	14.213,242					
					10,000		1.206,550	226,700	283.194,081
1483		60,378	11,088	14.224,330					
					10,000		1.206,550	214,060	283.408,141
1484		60,378	10,318	14.234,648					
					10,000		1.206,550	202,570	283.610,711
1485		60,378	9,939	14.244,587					
					10,000		1.206,550	206,820	283.817,531
1486		60,378	10,743	14.255,330					
					10,000		1.206,550	210,130	284.027,661
1487		60,378	10,270	14.265,600					
					10,000		1.206,550	207,530	284.235,191
1488		60,378	10,483	14.276,083					
					10,000		1.206,550	209,980	284.445,171
1489		60,378	10,515	14.286,598					
					10,000		1.206,550	209,820	284.654,991
1490		60,378	10,467	14.297,065					
					10,000		1.206,550	192,750	284.847,741
1491		60,378	8,808	14.305,873					
					10,000		1.206,550	188,760	285.036,501
1492		60,378	10,068	14.315,941					
					10,000		1.206,550	179,810	285.216,311
1493		60,378	7,913	14.323,854					
					10,000		1.206,550	99,490	285.315,801
1494		60,378	2,036	14.325,890					
					10,000		1.206,550	50,720	285.366,521
1495		60,378	3,036	14.328,926					
					10,000		1.206,550	100,680	285.467,201
1496		60,378	7,032	14.335,958					
					10,000		1.206,550	162,610	285.629,811
1497		60,378	9,229	14.345,187					
					10,000		1.206,550	192,240	285.822,051

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1498		60,378	9,995	14.355,182					
					10,000		1.206,550	192,260	286.014,311
1499		60,378	9,231	14.364,413			1.206,550	185,280	286.199,591
					10,000		1.206,550	188,390	286.387,981
1500		60,378	9,297	14.373,710			1.206,550	166,710	286.554,691
					10,000		1.206,550	152,900	286.707,591
1501		60,378	9,542	14.383,252			1.206,550	166,020	286.873,611
					10,000		1.206,550	162,870	287.036,481
1502		60,378	7,129	14.390,381			1.206,550	162,310	287.198,791
					10,000		1.206,550	164,090	287.362,881
1503		60,378	8,161	14.398,542			1.206,550	150,950	287.513,831
					10,000		1.206,550	140,450	287.654,281
1504		60,378	8,441	14.406,983			1.206,550	125,040	287.779,321
					10,000		1.206,550	67,600	287.846,921
1505		60,378	7,846	14.414,829			1.206,550	28,050	287.874,971
					10,000	0,660	1.207,210	67,320	287.942,291
1506		60,378	8,385	14.423,214			1.206,550	123,970	288.066,261
					10,000	1,470	1.208,680	143,640	288.209,901
1507		60,378	8,024	14.431,238			1.206,550	140,650	288.350,551
					10,000	0,810	1.209,490	143,170	288.493,721
1508		60,378	7,071	14.438,309			1.206,550	143,110	288.636,831
					10,000		1.206,550	139,490	288.776,321
1509		60,378	6,974	14.445,283			1.206,550	138,980	288.915,301
					10,000		1.206,550	133,880	289.049,181
1510		60,378	5,530	14.450,813			1.206,550	130,530	289.179,711
					10,000		1.206,550	134,980	289.314,691
1511	0,066	60,444	1,230	14.452,043			1.206,550	130,900	289.445,591
					10,000		1.206,550	128,100	289.573,691
1512	0,081	60,525	1,575	14.453,618			1.206,550	128,700	289.702,391
					10,000		1.206,550	62,350	289.764,741
1513		60,525	5,157	14.458,775			1.206,550	0,340	289.765,081
					10,000		1.206,550	7,810	289.772,891
1514		60,525	7,240	14.466,015			1.206,550	61,480	289.834,371
					10,000		1.206,550	111,030	289.945,401
1515		60,525	7,124	14.473,139			1.206,550	108,510	290.053,911
					10,000		1.206,550	105,990	290.159,901
1516		60,525	6,941	14.480,080			1.206,550		
					10,000		1.206,550		
1517		60,525	7,376	14.487,456			1.206,550		
					10,000		1.206,550		
1518		60,525	6,935	14.494,391			1.206,550		
					10,000		1.206,550		
1519		60,525	7,014	14.501,405			1.206,550		
					10,000		1.206,550		
1520		60,525	6,884	14.508,289			1.206,550		
					10,000		1.206,550		
1521		60,525	6,504	14.514,793			1.206,550		
					10,000		1.206,550		
1522		60,525	6,549	14.521,342			1.206,550		
					10,000		1.206,550		
1523		60,525	6,949	14.528,291			1.206,550		
					10,000		1.206,550		
1524		60,525	6,141	14.534,432			1.206,550		
					10,000		1.206,550		
1525		60,525	6,669	14.541,101			1.206,550		
					10,000		1.206,550		
1526		60,525	6,201	14.547,302			1.206,550		
					10,000	2,550	1.212,040		
1527	0,255	60,780	0,034	14.547,336			1.212,040		
					10,000	19,260	1.231,300		
1528	1,671	62,451		14.547,336			1.231,300		
					10,000	20,560	1.251,860		
1529	0,385	62,836	0,781	14.548,117			1.251,860		
					10,000	3,850	1.255,710		
1530		62,836	5,367	14.553,484			1.255,710		
					10,000		1.255,710		
1531		62,836	5,736	14.559,220			1.255,710		
					10,000		1.255,710		
1532		62,836	5,115	14.564,335			1.255,710		
					10,000		1.255,710		
					10,000		1.255,710		

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1533		62,836	5,484	14.569,819					
					10,000		1.255,710	108,140	290.268,041
1534		62,836	5,330	14.575,149					
					10,000		1.255,710	103,130	290.371,171
1535		62,836	4,983	14.580,132					
					10,000		1.255,710	100,030	290.471,201
1536		62,836	5,020	14.585,152					
					10,000		1.255,710	98,330	290.569,531
1537		62,836	4,813	14.589,965					
					10,000		1.255,710	107,580	290.677,111
1538		62,836	5,945	14.595,910					
					10,000		1.255,710	125,260	290.802,371
1539		62,836	6,581	14.602,491					
					10,000		1.255,710	127,050	290.929,421
1540		62,836	6,124	14.608,615					
					10,000		1.255,710	123,070	291.052,491
1541		62,836	6,183	14.614,798					
					10,000		1.255,710	120,610	291.173,101
1542		62,836	5,878	14.620,676					
					10,000		1.255,710	114,400	291.287,501
1543		62,836	5,562	14.626,238					
					10,000		1.255,710	92,570	291.380,071
1544		62,836	3,695	14.629,933					
					10,000	0,590	1.256,300	54,210	291.434,281
1545	0,059	62,895	1,726	14.631,659					
					10,000	0,590	1.256,890	54,200	291.488,481
1546		62,895	3,694	14.635,353					
					10,000		1.256,890	95,730	291.584,211
1547		62,895	5,879	14.641,232					
					10,000		1.256,890	117,880	291.702,091
1548		62,895	5,909	14.647,141					
					10,000		1.256,890	125,520	291.827,611
1549		62,895	6,643	14.653,784					
					10,000		1.256,890	126,500	291.954,111
1550		62,895	6,007	14.659,791					
					10,000		1.256,890	118,240	292.072,351
1551		62,895	5,817	14.665,608					
					10,000		1.256,890	122,640	292.194,991
1552		62,895	6,447	14.672,055					
					10,000		1.256,890	127,960	292.322,951
1553		62,895	6,349	14.678,404					
					10,000		1.256,890	130,060	292.453,011
1554		62,895	6,657	14.685,061					
					10,000		1.256,890	129,540	292.582,551
1555		62,895	6,297	14.691,358					
					10,000		1.256,890	127,150	292.709,701
1556		62,895	6,418	14.697,776					
					10,000		1.256,890	119,780	292.829,481
1557		62,895	5,560	14.703,336					
					10,000		1.256,890	120,510	292.949,991
1558		62,895	6,491	14.709,827					
					10,000		1.256,890	125,570	293.075,561
1559		62,895	6,066	14.715,893					
					10,000		1.256,890	89,690	293.165,251
1560		62,895	2,903	14.718,796					
					10,000	27,770	1.284,660	29,030	293.194,281
1561	2,777	65,672		14.718,796					
					10,000	27,770	1.312,430	33,020	293.227,301
1562		65,672	3,302	14.722,098					
					10,000		1.312,430	83,660	293.310,961
1563		65,672	5,064	14.727,162					
					10,000		1.312,430	107,270	293.418,231
1564		65,672	5,663	14.732,825					
					10,000		1.312,430	114,530	293.532,761
1565		65,672	5,790	14.738,615					
					10,000		1.312,430	111,140	293.643,901
1566		65,672	5,324	14.743,939					
					10,000		1.312,430	98,830	293.742,731
1567		65,672	4,559	14.748,498					
					10,000		1.312,430	94,430	293.837,161

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1568		65,672	4,884	14.753,382					
					10,000		1.312,430	97,560	293.934,721
1569		65,672	4,872	14.758,254			1.312,430	102,200	294.036,921
					10,000		1.312,430	108,280	294.145,201
1570		65,672	5,348	14.763,602			1.312,430	108,760	294.253,961
					10,000		1.312,430	115,050	294.369,011
1571		65,672	5,480	14.769,082			1.312,430	123,210	294.492,221
					10,000		1.312,430	121,310	294.613,531
1572		65,672	5,396	14.774,478			1.312,430	80,320	294.693,851
					10,000		1.312,430	21,130	294.714,981
1573		65,672	6,109	14.780,587			1.312,430	29,530	294.744,511
					10,000		1.312,430	77,550	294.822,061
1574		65,672	6,212	14.786,799			1.312,430	112,790	294.934,851
					10,000		1.312,430	130,540	295.065,391
1575		65,672	5,919	14.792,718			1.312,430	123,520	295.188,911
					10,000		1.312,430	121,470	295.310,381
1576		65,672	2,113	14.794,831			1.312,430	135,750	295.446,131
					10,000		1.312,430	134,630	295.580,761
1577	4,071	69,743		14.794,831		40,710	1.353,140	124,300	295.705,061
					10,000	40,710	1.393,850	128,100	295.833,161
1578		69,743	2,953	14.797,784			1.393,850	138,410	295.971,571
					10,000		1.393,850	135,030	296.106,601
1579		69,743	4,802	14.802,586			1.393,850	68,480	296.175,081
					10,000		1.393,850	15,150	296.190,231
1580		69,743	6,477	14.809,063			1.393,850	65,580	296.255,811
					10,000		1.393,850	126,690	296.382,501
1581		69,743	6,577	14.815,640			1.393,850	138,240	296.520,741
					10,000		1.393,850	136,070	296.656,811
1582		69,743	5,775	14.821,415			1.393,850	140,460	296.797,271
					10,000		1.393,850	137,530	296.934,801
1583		69,743	6,372	14.827,787			1.393,850	139,410	297.074,211
					10,000		1.393,850	149,340	297.223,551
1584		69,743	7,203	14.834,990			1.393,850	148,310	297.371,861
					10,000		1.393,850	143,800	297.515,661
1585		69,743	6,260	14.841,250			1.393,850	138,450	297.654,111
					10,000		1.393,850	123,880	297.777,991
1586		69,743	6,170	14.847,420			1.393,850		
					10,000		1.393,850		
1587		69,743	6,640	14.854,060			1.393,850		
					10,000		1.393,850		
1588		69,743	7,201	14.861,261			1.393,850		
					10,000		1.393,850		
1589		69,743	6,302	14.867,563			1.393,850		
					10,000	4,830	1.398,680		
1590	0,483	70,226	0,546	14.868,109			1.404,420		
					10,000	5,740	1.404,420		
1591	0,091	70,317	0,969	14.869,078			1.405,330		
					10,000	0,910	1.405,330		
1592		70,317	5,589	14.874,667			1.405,330		
					10,000		1.405,330		
1593		70,317	7,080	14.881,747			1.405,330		
					10,000		1.405,330		
1594		70,317	6,744	14.888,491			1.405,330		
					10,000		1.405,330		
1595		70,317	6,863	14.895,354			1.405,330		
					10,000		1.405,330		
1596		70,317	7,183	14.902,537			1.405,330		
					10,000		1.405,330		
1597		70,317	6,570	14.909,107			1.405,330		
					10,000		1.405,330		
1598		70,317	7,371	14.916,478			1.405,330		
					10,000		1.405,330		
1599		70,317	7,563	14.924,041			1.405,330		
					10,000		1.405,330		
1600		70,317	7,268	14.931,309			1.405,330		
					10,000		1.405,330		
1601		70,317	7,112	14.938,421			1.405,330		
					10,000		1.405,330		
1602		70,317	6,733	14.945,154			1.405,330		
					10,000		1.405,330		

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1603		70,317	5,655	14.950,809					
					10,000		1.405,330	128,340	297.906,331
1604		70,317	7,179	14.957,988					
					10,000		1.405,330	142,190	298.048,521
1605		70,317	7,040	14.965,028					
					10,000		1.405,330	139,450	298.187,971
1606		70,317	6,905	14.971,933					
					10,000		1.405,330	130,630	298.318,601
1607		70,317	6,158	14.978,091					
					10,000	16,310	1.421,640	61,580	298.380,181
1608	1,631	71,948		14.978,091					
					10,000	16,310	1.437,950	34,140	298.414,321
1609		71,948	3,414	14.981,505					
					10,000		1.437,950	95,920	298.510,241
1610		71,948	6,178	14.987,683					
					10,000		1.437,950	139,940	298.650,181
1611		71,948	7,816	14.995,499					
					10,000		1.437,950	152,060	298.802,241
1612		71,948	7,390	15.002,889					
					10,000		1.437,950	143,270	298.945,511
1613		71,948	6,937	15.009,826					
					10,000		1.437,950	129,680	299.075,191
1614		71,948	6,031	15.015,857					
					10,000		1.437,950	125,120	299.200,311
1615		71,948	6,481	15.022,338					
					10,000		1.437,950	135,070	299.335,381
1616		71,948	7,026	15.029,364					
					10,000		1.437,950	144,340	299.479,721
1617		71,948	7,408	15.036,772					
					10,000		1.437,950	145,760	299.625,481
1618		71,948	7,168	15.043,940					
					10,000		1.437,950	131,840	299.757,321
1619		71,948	6,016	15.049,956					
					10,000		1.437,950	131,690	299.889,011
1620		71,948	7,153	15.057,109					
					10,000		1.437,950	151,480	300.040,491
1621		71,948	7,995	15.065,104					
					10,000		1.437,950	139,690	300.180,181
1622		71,948	5,974	15.071,078					
					10,000		1.437,950	78,780	300.258,961
1623		71,948	1,904	15.072,982					
					10,000	15,830	1.453,780	19,040	300.278,001
1624	1,583	73,531		15.072,982					
					10,000	15,830	1.469,610	59,350	300.337,351
1625		73,531	5,935	15.078,917					
					10,000		1.469,610	129,490	300.466,841
1626		73,531	7,014	15.085,931					
					10,000		1.469,610	141,170	300.608,011
1627		73,531	7,103	15.093,034					
					10,000		1.469,610	137,410	300.745,421
1628		73,531	6,638	15.099,672					
					10,000		1.469,610	135,610	300.881,031
1629		73,531	6,923	15.106,595					
					10,000		1.469,610	125,000	301.006,031
1630		73,531	5,577	15.112,172					
					10,000		1.469,610	134,380	301.140,411
1631		73,531	7,861	15.120,033					
					0,356		1.469,610	5,612	301.146,023
1631+0,712		73,531	7,903	15.127,936					
					9,644		1.469,610	161,624	301.307,647
1632		73,531	8,856	15.136,792					
					10,000		1.469,610	177,050	301.484,697
1633		73,531	8,849	15.145,641					
					0,356		1.469,610	6,260	301.490,957
1633+0,712		73,531	8,735	15.154,376					
					9,644	0,829	1.470,439	147,669	301.638,626
1634	0,086	73,617	6,577	15.160,953					
					10,000	0,860	1.471,299	155,420	301.794,046
1635		73,617	8,965	15.169,918					
					5,408		1.471,299	96,365	301.890,411

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1635+10,816		73,617	8,854	15.178,772					
					4,592		1.471,299	80,052	301.970,463
1636		73,617	8,579	15.187,351					
					10,000		1.471,299	172,620	302.143,083
1637		73,617	8,683	15.196,034					
					5,408		1.471,299	90,238	302.233,321
1637+10,816		73,617	8,003	15.204,037					
					4,592		1.471,299	71,598	302.304,919
1638		73,617	7,589	15.211,626					
					10,000		1.471,299	155,030	302.459,949
1639		73,617	7,914	15.219,540					
					10,000		1.471,299	159,110	302.619,059
1640		73,617	7,997	15.227,537					
					10,000		1.471,299	164,620	302.783,679
1641		73,617	8,465	15.236,002					
					10,000		1.471,299	167,100	302.950,779
1642		73,617	8,245	15.244,247					
					10,000		1.471,299	167,530	303.118,309
1643		73,617	8,508	15.252,755					
					10,000		1.471,299	165,810	303.284,119
1644		73,617	8,073	15.260,828					
					10,000		1.471,299	166,800	303.450,919
1645		73,617	8,607	15.269,435					
					10,000		1.471,299	176,720	303.627,639
1646		73,617	9,065	15.278,500					
					10,000		1.471,299	188,000	303.815,639
1647		73,617	9,735	15.288,235					
					10,000		1.471,299	201,250	304.016,889
1648		73,617	10,390	15.298,625					
					10,000		1.471,299	207,090	304.223,979
1649		73,617	10,319	15.308,944					
					10,000		1.471,299	199,420	304.423,399
1650		73,617	9,623	15.318,567					
					10,000		1.471,299	191,440	304.614,839
1651		73,617	9,521	15.328,088					
					10,000		1.471,299	190,680	304.805,519
1652		73,617	9,547	15.337,635					
					10,000		1.471,299	189,770	304.995,289
1653		73,617	9,430	15.347,065					
					10,000		1.471,299	188,220	305.183,509
1654		73,617	9,392	15.356,457					
					10,000		1.471,299	180,430	305.363,939
1655		73,617	8,651	15.365,108					
					10,000		1.471,299	177,180	305.541,119
1656		73,617	9,067	15.374,175					
					10,000		1.471,299	181,920	305.723,039
1657		73,617	9,125	15.383,300					
					10,000		1.471,299	170,740	305.893,779
1658		73,617	7,949	15.391,249					
					10,000		1.471,299	167,120	306.060,899
1659		73,617	8,763	15.400,012					
					10,000		1.471,299	178,370	306.239,269
1660		73,617	9,074	15.409,086					
					10,000		1.471,299	177,810	306.417,079
1661		73,617	8,707	15.417,793					
					10,000		1.471,299	177,460	306.594,539
1662		73,617	9,039	15.426,832					
					10,000		1.471,299	181,730	306.776,269
1663		73,617	9,134	15.435,966					
					10,000		1.471,299	179,990	306.956,259
1664		73,617	8,865	15.444,831					
					10,000		1.471,299	174,610	307.130,869
1665		73,617	8,596	15.453,427					
					10,000		1.471,299	171,600	307.302,469
1666		73,617	8,564	15.461,991					
					10,000		1.471,299	169,390	307.471,859
1667		73,617	8,375	15.470,366					
					10,000		1.471,299	172,630	307.644,489
1668		73,617	8,888	15.479,254					
					10,000		1.471,299	175,500	307.819,989

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1669		73,617	8,662	15.487,916					
					10,000		1.471,299	169,450	307.989,439
1670		73,617	8,283	15.496,199					
					10,000		1.471,299	166,430	308.155,869
1671		73,617	8,360	15.504,559					
					10,000		1.471,299	168,940	308.324,809
1672		73,617	8,534	15.513,093					
					10,000		1.471,299	166,030	308.490,839
1673		73,617	8,069	15.521,162					
					10,000		1.471,299	158,180	308.649,019
1674		73,617	7,749	15.528,911					
					10,000		1.471,299	155,830	308.804,849
1675		73,617	7,834	15.536,745					
					10,000		1.471,299	149,240	308.954,089
1676		73,617	7,090	15.543,835					
					10,000		1.471,299	153,390	309.107,479
1677		73,617	8,249	15.552,084					
					10,000		1.471,299	166,230	309.273,709
1678		73,617	8,374	15.560,458					
					10,000		1.471,299	169,060	309.442,769
1679		73,617	8,532	15.568,990					
					10,000		1.471,299	166,450	309.609,219
1680		73,617	8,113	15.577,103					
					10,000		1.471,299	157,820	309.767,039
1681		73,617	7,669	15.584,772					
					10,000		1.471,299	130,280	309.897,319
1682		73,617	5,359	15.590,131					
					10,000		1.471,299	128,250	310.025,569
1683		73,617	7,466	15.597,597					
					10,000		1.471,299	153,900	310.179,469
1684		73,617	7,924	15.605,521					
					10,000		1.471,299	158,190	310.337,659
1685		73,617	7,895	15.613,416					
					10,000		1.471,299	161,430	310.499,089
1686		73,617	8,248	15.621,664					
					10,000		1.471,299	164,930	310.664,019
1687		73,617	8,245	15.629,909					
					10,000		1.471,299	156,390	310.820,409
1688		73,617	7,394	15.637,303					
					10,000		1.471,299	161,100	310.981,509
1689		73,617	8,716	15.646,019					
					10,000		1.471,299	172,920	311.154,429
1690		73,617	8,576	15.654,595					
					10,000		1.471,299	173,140	311.327,569
1691		73,617	8,738	15.663,333					
					10,000		1.471,299	179,490	311.507,059
1692		73,617	9,211	15.672,544					
					10,000		1.471,299	185,730	311.692,789
1693		73,617	9,362	15.681,906					
					10,000		1.471,299	181,690	311.874,479
1694		73,617	8,807	15.690,713					
					10,000		1.471,299	189,390	312.063,869
1695		73,617	10,132	15.700,845					
					10,000		1.471,299	202,920	312.266,789
1696		73,617	10,160	15.711,005					
					10,000		1.471,299	203,410	312.470,199
1697		73,617	10,181	15.721,186					
					10,000		1.471,299	204,470	312.674,669
1698		73,617	10,266	15.731,452					
					10,000		1.471,299	204,190	312.878,859
1699		73,617	10,153	15.741,605					
					10,000		1.471,299	201,190	313.080,049
1700		73,617	9,966	15.751,571					
					10,000		1.471,299	212,690	313.292,739
1701		73,617	11,303	15.762,874					
					10,000		1.471,299	222,740	313.515,479
1702		73,617	10,971	15.773,845					
					10,000		1.471,299	220,210	313.735,689
1703		73,617	11,050	15.784,895					
					10,000		1.471,299	222,790	313.958,479

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1704		73,617	11,229	15.796,124					
					10,000		1.471,299	210,690	314.169,169
1705		73,617	9,840	15.805,964			1.471,299	205,120	314.374,289
					10,000		1.471,299	213,010	314.587,299
1706		73,617	10,672	15.816,636			1.471,299	207,710	314.795,009
					10,000		1.471,299	199,940	314.994,949
1707		73,617	10,629	15.827,265			1.471,299	200,400	315.195,349
					10,000		1.471,299	189,020	315.384,369
1708		73,617	10,142	15.837,407			1.471,299	187,920	315.572,289
					10,000		1.471,299	191,220	315.763,509
1709		73,617	9,852	15.847,259			1.471,299	176,850	315.940,359
					10,000		1.471,299	174,460	316.114,819
1710		73,617	10,188	15.857,447			1.471,299	176,430	316.291,249
					10,000		1.471,299	177,390	316.468,639
1711		73,617	8,714	15.866,161			1.471,299	178,140	316.646,779
					10,000		1.471,299	178,710	316.825,489
1712		73,617	10,078	15.876,239			1.471,299	168,510	316.993,999
					10,000		1.471,299	153,980	317.147,979
1713		73,617	9,044	15.885,283			1.471,299	162,500	317.310,479
					10,000		1.471,299	165,430	317.475,909
1714		73,617	8,641	15.893,924			1.471,299	163,660	317.639,569
					10,000		1.471,299	174,690	317.814,259
1715		73,617	8,805	15.902,729			1.471,299	180,610	317.994,869
					10,000		1.471,299	185,290	318.180,159
1716		73,617	8,838	15.911,567			1.471,299	192,770	318.372,929
					10,000		1.471,299	185,570	318.558,499
1717		73,617	8,901	15.920,468			1.471,299	172,150	318.730,649
					10,000		1.471,299	180,670	318.911,319
1718		73,617	8,913	15.929,381			1.471,299	180,800	319.092,119
					10,000		1.471,299	180,610	319.272,729
1719		73,617	8,958	15.938,339			1.471,299	189,500	319.462,229
					10,000		1.471,299	192,330	319.654,559
1720		73,617	7,893	15.946,232			1.471,299	192,370	319.846,929
					10,000		1.471,299	193,930	320.040,859
1721		73,617	7,505	15.953,737			1.471,299	204,260	320.245,119
					10,000		1.471,299	210,480	320.455,599
1722		73,617	8,745	15.962,482					
					10,000				
1723		73,617	7,798	15.970,280					
					10,000				
1724		73,617	8,568	15.978,848					
					10,000				
1725		73,617	8,901	15.987,749					
					10,000				
1726		73,617	9,160	15.996,909					
					10,000				
1727		73,617	9,369	16.006,278					
					10,000				
1728		73,617	9,908	16.016,186					
					10,000				
1729		73,617	8,649	16.024,835					
					10,000				
1730		73,617	8,566	16.033,401					
					10,000				
1731		73,617	9,501	16.042,902					
					10,000				
1732		73,617	8,579	16.051,481					
					10,000				
1733		73,617	9,482	16.060,963					
					10,000				
1734		73,617	9,468	16.070,431					
					10,000				
1735		73,617	9,765	16.080,196					
					10,000				
1736		73,617	9,472	16.089,668					
					10,000				
1737		73,617	9,921	16.099,589					
					10,000				
1738		73,617	10,505	16.110,094					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1739		73,617	10,543	16.120,637					
					10,000		1.471,299	210,030	320.665,629
1740		73,617	10,460	16.131,097			1.471,299	210,050	320.875,679
					10,000		1.471,299	212,400	321.088,079
1741		73,617	10,545	16.141,642					
					10,000		1.471,299	173,974	321.262,053
1742		73,617	10,695	16.152,337					
					8,008		1.471,299	44,145	321.306,198
1742+16,016		73,617	11,030	16.163,367					
					1,992		1.471,299	214,970	321.521,168
1743		73,617	11,131	16.174,498					
					10,000		1.471,299	202,820	321.723,988
1744		73,617	10,366	16.184,864					
					10,000		1.471,299	196,400	321.920,388
1745		73,617	9,916	16.194,780					
					10,000		1.471,299	192,260	322.112,648
1746		73,617	9,724	16.204,504					
					10,000		1.471,299	183,690	322.296,338
1747		73,617	9,502	16.214,006					
					10,000		1.471,299	148,450	322.444,788
1748		73,617	8,867	16.222,873					
					10,000		1.471,299	125,410	322.570,198
1749		73,617	5,978	16.228,851					
					10,000		1.471,299	152,030	322.722,228
1750		73,617	6,563	16.235,414					
					10,000		1.471,299	185,000	322.907,228
1751		73,617	8,640	16.244,054					
					10,000		1.471,299	198,260	323.105,488
1752		73,617	9,860	16.253,914					
					10,000		1.471,299	202,830	323.308,318
1753		73,617	9,966	16.263,880					
					10,000		1.471,299	203,470	323.511,788
1754		73,617	10,317	16.274,197					
					10,000		1.471,299	198,540	323.710,328
1755		73,617	10,030	16.284,227					
					10,000		1.471,299	195,060	323.905,388
1756		73,617	9,824	16.294,051					
					10,000		1.471,299	196,360	324.101,748
1757		73,617	9,682	16.303,733					
					10,000		1.471,299	199,590	324.301,338
1758		73,617	9,954	16.313,687					
					10,000		1.471,299	198,130	324.499,468
1759		73,617	10,005	16.323,692					
					10,000		1.471,299	186,100	324.685,568
1760		73,617	9,808	16.333,500					
					10,000		1.471,299	194,510	324.880,078
1761		73,617	8,802	16.342,302					
					10,000		1.471,299	227,250	325.107,328
1762		73,617	10,649	16.352,951					
					10,000		1.471,299	246,460	325.353,788
1763		73,617	12,076	16.365,027					
					10,000		1.471,299	249,200	325.602,988
1764		73,617	12,570	16.377,597					
					10,000		1.471,299	249,350	325.852,338
1765		73,617	12,350	16.389,947					
					10,000		1.471,299	246,240	326.098,578
1766		73,617	12,585	16.402,532					
					10,000		1.471,299	239,370	326.337,948
1767		73,617	12,039	16.414,571					
					10,000		1.471,299	244,670	326.582,618
1768		73,617	11,898	16.426,469					
					10,000		1.471,299	246,230	326.828,848
1769		73,617	12,569	16.439,038					
					10,000		1.471,299	238,870	327.067,718
1770		73,617	12,054	16.451,092					
					10,000		1.471,299	235,340	327.303,058
1771		73,617	11,833	16.462,925					
					10,000		1.471,299	232,110	327.535,168
1772		73,617	11,701	16.474,626					
					10,000		1.471,299		

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1773		73,617	11,510	16.486,136					
					10,000		1.471,299	234,250	327.769,418
1774		73,617	11,915	16.498,051			1.471,299	228,730	327.998,148
					10,000		1.471,299	217,760	328.215,908
1775		73,617	10,958	16.509,009			1.471,299	213,710	328.429,618
					10,000		1.471,299	214,370	328.643,988
1776		73,617	10,818	16.519,827			1.471,299	203,970	328.847,958
					10,000		1.471,299	201,650	329.049,608
1777		73,617	10,553	16.530,380			1.471,299	210,620	329.260,228
					10,000		1.471,299	201,030	329.461,258
1778		73,617	10,884	16.541,264			1.471,299	184,760	329.646,018
					10,000		1.471,299	176,940	329.822,958
1779		73,617	9,513	16.550,777			1.471,299	160,610	329.983,568
					10,000		1.471,299	160,290	330.143,858
1780		73,617	10,652	16.561,429			1.471,299	180,180	330.324,038
					10,000		1.471,299	189,380	330.513,418
1781		73,617	10,410	16.571,839			1.471,299	180,840	330.694,258
					10,000		1.471,299	169,450	330.863,708
1782		73,617	9,693	16.581,532			1.471,299	168,260	331.031,968
					10,000		1.471,299	167,840	331.199,808
1783		73,617	8,783	16.590,315			1.471,299	166,350	331.366,158
					10,000		1.471,299	162,690	331.528,848
1784		73,617	8,911	16.599,226			1.471,299	164,630	331.693,478
					10,000		1.471,299	160,510	331.853,988
1785		73,617	7,150	16.606,376			1.471,299	150,150	332.004,138
					10,000		1.471,299	149,440	332.153,578
1786		73,617	8,879	16.615,255			1.471,299	155,260	332.308,838
					10,000		1.471,299	152,280	332.461,118
1787		73,617	9,139	16.624,394			1.471,299	145,150	332.606,268
					10,000		1.471,299	138,480	332.744,748
1788		73,617	9,799	16.634,193			1.471,299	126,970	332.871,718
					10,000		1.471,299	130,560	333.002,278
1789		73,617	8,285	16.642,478			1.471,299	147,090	333.149,368
					10,000		1.471,299	154,700	333.304,068
1790		73,617	8,660	16.651,138			1.471,299	150,170	333.454,238
					10,000		1.471,299	136,470	333.590,708
1791		73,617	8,166	16.659,304					
					10,000				
1792		73,617	8,618	16.667,922					
					10,000				
1793		73,617	8,017	16.675,939					
					10,000				
1794		73,617	8,252	16.684,191					
					10,000				
1795		73,617	8,211	16.692,402					
					10,000				
1796		73,617	7,840	16.700,242					
					10,000				
1797		73,617	7,175	16.707,417					
					10,000				
1798		73,617	7,769	16.715,186					
					10,000				
1799		73,617	7,757	16.722,943					
					10,000				
1800		73,617	7,471	16.730,414					
					10,000				
1801		73,617	7,044	16.737,458					
					10,000				
1802		73,617	6,804	16.744,262					
					10,000				
1803		73,617	5,893	16.750,155					
					10,000				
1804		73,617	7,163	16.757,318					
					10,000				
1805		73,617	7,546	16.764,864					
					10,000				
1806		73,617	7,924	16.772,788					
					10,000				
1807		73,617	7,093	16.779,881					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1808		73,617	6,554	16.786,435					
					10,000		1.471,299	128,580	333.719,288
1809		73,617	6,304	16.792,739					
					10,000		1.471,299	135,040	333.854,328
1810		73,617	7,200	16.799,939					
					10,000		1.471,299	134,850	333.989,178
1811		73,617	6,285	16.806,224					
					10,000		1.471,299	132,370	334.121,548
1812		73,617	6,952	16.813,176					
					10,000		1.471,299	138,750	334.260,298
1813		73,617	6,923	16.820,099					
					10,000		1.471,299	132,240	334.392,538
1814		73,617	6,301	16.826,400					
					10,000		1.471,299	116,980	334.509,518
1815		73,617	5,397	16.831,797					
					10,000		1.471,299	120,370	334.629,888
1816		73,617	6,640	16.838,437					
					10,000		1.471,299	129,790	334.759,678
1817		73,617	6,339	16.844,776					
					10,000		1.471,299	123,880	334.883,558
1818		73,617	6,049	16.850,825					
					10,000		1.471,299	120,970	335.004,528
1819		73,617	6,048	16.856,873					
					10,000		1.471,299	123,850	335.128,378
1820		73,617	6,337	16.863,210					
					10,000		1.471,299	126,670	335.255,048
1821		73,617	6,330	16.869,540					
					10,000		1.471,299	134,560	335.389,608
1822		73,617	7,126	16.876,666					
					10,000		1.471,299	136,810	335.526,418
1823		73,617	6,555	16.883,221					
					10,000		1.471,299	128,520	335.654,938
1824		73,617	6,297	16.889,518					
					10,000		1.471,299	128,280	335.783,218
1825		73,617	6,531	16.896,049					
					10,000		1.471,299	134,520	335.917,738
1826		73,617	6,921	16.902,970					
					10,000		1.471,299	134,110	336.051,848
1827		73,617	6,490	16.909,460					
					10,000		1.471,299	139,480	336.191,328
1828		73,617	7,458	16.916,918					
					10,000		1.471,299	147,970	336.339,298
1829		73,617	7,339	16.924,257					
					10,000		1.471,299	152,310	336.491,608
1830		73,617	7,892	16.932,149					
					10,000		1.471,299	148,720	336.640,328
1831		73,617	6,980	16.939,129					
					10,000		1.471,299	137,200	336.777,528
1832		73,617	6,740	16.945,869					
					10,000		1.471,299	130,730	336.908,258
1833		73,617	6,333	16.952,202					
					10,000		1.471,299	132,180	337.040,438
1834		73,617	6,885	16.959,087					
					10,000		1.471,299	144,060	337.184,498
1835		73,617	7,521	16.966,608					
					10,000		1.471,299	146,490	337.330,988
1836		73,617	7,128	16.973,736					
					10,000		1.471,299	145,470	337.476,458
1837		73,617	7,419	16.981,155					
					10,000		1.471,299	146,590	337.623,048
1838		73,617	7,240	16.988,395					
					10,000		1.471,299	146,430	337.769,478
1839		73,617	7,403	16.995,798					
					10,000		1.471,299	152,000	337.921,478
1840		73,617	7,797	17.003,595					
					10,000		1.471,299	155,420	338.076,898
1841		73,617	7,745	17.011,340					
					10,000		1.471,299	156,660	338.233,558
1842		73,617	7,921	17.019,261					
					10,000		1.471,299	158,820	338.392,378

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1843		73,617	7,961	17.027,222					
					10,000		1.471,299	164,090	338.556,468
1844		73,617	8,448	17.035,670			1.471,299	163,890	338.720,358
					10,000		1.471,299	159,140	338.879,498
1845		73,617	7,941	17.043,611			1.471,299	159,630	339.039,128
					10,000		1.471,299	168,400	339.207,528
1846		73,617	7,973	17.051,584			1.471,299	181,820	339.389,348
					10,000		1.471,299	178,880	339.568,228
1847		73,617	7,990	17.059,574			1.471,299	172,160	339.740,388
					10,000		1.471,299	186,200	339.926,588
1848		73,617	8,850	17.068,424			1.471,299	198,380	340.124,968
					10,000		1.471,299	195,460	340.320,428
1849		73,617	9,332	17.077,756			1.471,299	200,050	340.520,478
					10,000		1.471,299	207,720	340.728,198
1850		73,617	8,556	17.086,312			1.471,299	204,770	340.932,968
					10,000		1.471,299	208,550	341.141,518
1851		73,617	8,660	17.094,972			1.471,299	215,810	341.357,328
					10,000		1.471,299	203,650	341.560,978
1852		73,617	9,960	17.104,932			1.471,299	188,040	341.749,018
					10,000		1.471,299	181,200	341.930,218
1853		73,617	9,878	17.114,810			1.471,299	175,510	342.105,728
					10,000		1.471,299	177,560	342.283,288
1854		73,617	9,668	17.124,478			1.471,299	183,810	342.467,098
					10,000		1.471,299	176,280	342.643,378
1855		73,617	10,337	17.134,815			1.471,299	165,660	342.809,038
					10,000		1.471,299	161,210	342.970,248
1856		73,617	10,435	17.145,250			1.471,299	153,850	343.124,098
					10,000		1.471,299	159,150	343.283,248
1857		73,617	10,042	17.155,292			1.471,299	173,020	343.456,268
					10,000		1.471,299	23,981	343.480,249
1858		73,617	10,813	17.166,105			1.471,299	144,363	343.624,612
					1,355		1.471,299	155,940	343.780,552
1859		73,617	10,768	17.176,873			1.471,299	151,040	343.931,592
					8,646		1.471,299	148,870	344.080,462
1860		73,617	9,597	17.186,470			1.471,299	155,240	344.235,702
					10,000		1.471,299	147,020	344.382,722
1861		73,617	9,207	17.195,677					
					10,000				
1862		73,617	8,913	17.204,590					
					10,000				
1863		73,617	8,638	17.213,228					
					10,000				
1864		73,617	9,118	17.222,346					
					10,000				
1865		73,617	9,263	17.231,609					
					10,000				
1866		73,617	8,365	17.239,974					
					10,000				
1867		73,617	8,201	17.248,175					
					10,000				
1868		73,617	7,920	17.256,095					
					10,000				
1869		73,617	7,465	17.263,560					
					10,000				
1870		73,617	8,450	17.272,010					
					10,000				
1871		73,617	8,852	17.280,862					
					1,355				
1871+2,709		73,617	8,853	17.289,715					
					8,646				
1872		73,617	7,845	17.297,560					
					10,000				
1873		73,617	7,749	17.305,309					
					10,000				
1874		73,617	7,355	17.312,664					
					10,000				
1875		73,617	7,532	17.320,196					
					10,000				
1876		73,617	7,992	17.328,188					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1877		73,617	6,710	17.334,898					
					10,000		1.471,299	140,070	344.522,792
1878		73,617	7,297	17.342,195			1.471,299	147,790	344.670,582
					10,000		1.471,299	146,860	344.817,442
1879		73,617	7,482	17.349,677			1.471,299	145,970	344.963,412
					10,000		1.471,299	147,500	345.110,912
1880		73,617	7,204	17.356,881			1.471,299	147,240	345.258,152
					10,000		1.471,299	148,330	345.406,482
1881		73,617	7,393	17.364,274			1.471,299	150,600	345.557,082
					10,000		1.471,299	147,570	345.704,652
1882		73,617	7,357	17.371,631			1.471,299	145,360	345.850,012
					10,000		1.471,299	153,950	346.003,962
1883		73,617	7,367	17.378,998			1.471,299	160,810	346.164,772
					10,000		1.471,299	158,450	346.323,222
1884		73,617	7,466	17.386,464			1.471,299	151,340	346.474,562
					10,000		1.471,299	143,580	346.618,142
1885		73,617	7,594	17.394,058			1.471,299	142,840	346.760,982
					10,000		1.471,299	155,490	346.916,472
1886		73,617	7,163	17.401,221			1.471,299	164,390	347.080,862
					10,000		1.471,299	165,840	347.246,702
1887		73,617	7,373	17.408,594			1.471,299	155,630	347.402,332
					10,000		1.471,299	148,610	347.550,942
1888		73,617	8,022	17.416,616			1.471,299	149,270	347.700,212
					10,000		1.471,299	139,580	347.839,792
1889		73,617	8,059	17.424,675			1.471,299	143,850	347.983,642
					10,000		1.471,299	149,760	348.133,402
1890		73,617	7,786	17.432,461			1.471,299	148,870	348.282,272
					10,000		1.471,299	152,480	348.434,752
1891		73,617	7,348	17.439,809			1.471,299	149,250	348.584,002
					10,000		1.471,299	147,860	348.731,862
1892		73,617	7,010	17.446,819			1.471,299	160,270	348.892,132
					10,000		1.471,299	162,280	349.054,412
1893		73,617	7,274	17.454,093			1.471,299	159,300	349.213,712
					10,000		1.471,299	167,580	349.381,292
1894		73,617	8,275	17.462,368			1.471,299	170,350	349.551,642
					10,000		1.471,299	171,070	349.722,712
1895		73,617	8,164	17.470,532					
					10,000				
1896		73,617	8,420	17.478,952					
					10,000				
1897		73,617	7,143	17.486,095					
					10,000				
1898		73,617	7,718	17.493,813					
					10,000				
1899		73,617	7,209	17.501,022					
					10,000				
1900		73,617	6,749	17.507,771					
					10,000				
1901		73,617	7,636	17.515,407					
					10,000				
1902		73,617	7,340	17.522,747					
					10,000				
1903		73,617	7,547	17.530,294					
					10,000				
1904		73,617	7,701	17.537,995					
					10,000				
1905		73,617	7,224	17.545,219					
					10,000				
1906		73,617	7,562	17.552,781					
					10,000				
1907		73,617	8,465	17.561,246					
					10,000				
1908		73,617	7,763	17.569,009					
					10,000				
1909		73,617	8,167	17.577,176					
					10,000				
1910		73,617	8,591	17.585,767					
					10,000				
1911		73,617	8,444	17.594,211					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1912		73,617	8,663	17.602,874					
					10,000		1.471,299	187,020	349.909,732
1913		73,617	10,039	17.612,913			1.471,299	198,070	350.107,802
					10,000		1.471,299	193,930	350.301,732
1914		73,617	9,768	17.622,681			1.471,299	191,760	350.493,492
					10,000		1.471,299	188,720	350.682,212
1915		73,617	9,625	17.632,306			1.471,299	187,400	350.869,612
					10,000		1.471,299	189,250	351.058,862
1916		73,617	9,551	17.641,857			1.471,299	197,060	351.255,922
					10,000		1.471,299	200,080	351.456,002
1917		73,617	9,321	17.651,178			1.471,299	195,950	351.651,952
					10,000		1.471,299	188,190	351.840,142
1918		73,617	9,419	17.660,597			1.471,299	176,860	352.017,002
					10,000		1.471,299	176,240	352.193,242
1919		73,617	9,506	17.670,103			1.471,299	183,980	352.377,222
					10,000		1.471,299	187,660	352.564,882
1920		73,617	10,200	17.680,303			1.471,299	188,950	352.753,832
					10,000		1.471,299	193,970	352.947,802
1921		73,617	9,808	17.690,111			1.471,299	198,130	353.145,932
					10,000		1.471,299	204,300	353.350,232
1922		73,617	9,787	17.699,898			1.471,299	216,640	353.566,872
					10,000		1.471,299	217,290	353.784,162
1923		73,617	9,032	17.708,930			1.471,299	205,620	353.989,782
					10,000		1.471,299	203,980	354.193,762
1924		73,617	8,654	17.717,584			1.471,299	205,170	354.398,932
					10,000		1.471,299	212,620	354.611,552
1925		73,617	8,970	17.726,554			1.471,299	227,530	354.839,082
					10,000		1.471,299	212,810	355.051,892
1926		73,617	9,428	17.735,982			1.471,299	205,440	355.257,332
					10,000		1.471,299	211,890	355.469,222
1927		73,617	9,338	17.745,320			1.471,299	204,310	355.673,532
					10,000		1.471,299	205,380	355.878,912
1928		73,617	9,557	17.754,877			1.471,299	200,270	356.079,182
					10,000		1.471,299	197,520	356.276,702
1929		73,617	9,840	17.764,717			1.471,299	200,790	356.477,492
					10,000		1.471,299	199,050	356.676,542
1930		73,617	9,973	17.774,690					
					10,000				
1931		73,617	10,457	17.785,147					
					10,000				
1932		73,617	11,207	17.796,354					
					10,000				
1933		73,617	10,522	17.806,876					
					10,000				
1934		73,617	10,040	17.816,916					
					10,000				
1935		73,617	10,358	17.827,274					
					10,000				
1936		73,617	10,159	17.837,433					
					10,000				
1937		73,617	11,103	17.848,536					
					10,000				
1938		73,617	11,650	17.860,186					
					10,000				
1939		73,617	9,631	17.869,817					
					10,000				
1940		73,617	10,913	17.880,730					
					10,000				
1941		73,617	10,276	17.891,006					
					10,000				
1942		73,617	10,155	17.901,161					
					10,000				
1943		73,617	10,383	17.911,544					
					10,000				
1944		73,617	9,644	17.921,188					
					10,000				
1945		73,617	10,108	17.931,296					
					10,000				
1946		73,617	9,971	17.941,267					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1947		73,617	9,934	17.951,201					
					10,000		1.471,299	195,180	356.871,722
1948		73,617	9,584	17.960,785			1.471,299	197,080	357.068,802
					10,000		1.471,299	198,850	357.267,652
1949		73,617	10,124	17.970,909			1.471,299	197,460	357.465,112
					10,000		1.471,299	190,420	357.655,532
1950		73,617	9,761	17.980,670			1.471,299	177,390	357.832,922
					10,000		1.471,299	174,420	358.007,342
1951		73,617	9,985	17.990,655			1.471,299	182,810	358.190,152
					10,000		1.471,299	190,160	358.380,312
1952		73,617	9,057	17.999,712			1.471,299	187,410	358.567,722
					10,000		1.471,299	180,280	358.748,002
1953		73,617	8,682	18.008,394			1.471,299	178,610	358.926,612
					10,000		1.471,299	184,720	359.111,332
1954		73,617	8,760	18.017,154			1.471,299	183,270	359.294,602
					10,000		1.471,299	177,200	359.471,802
1955		73,617	9,521	18.026,675			1.471,299	177,030	359.648,832
					10,000		1.471,299	185,050	359.833,882
1956		73,617	9,495	18.036,170			1.471,299	183,410	360.017,292
					10,000		1.471,299	166,930	360.184,222
1957		73,617	9,246	18.045,416			1.471,299	164,020	360.348,242
					10,000		1.471,299	167,550	360.515,792
1958		73,617	8,782	18.054,198			1.471,299	159,810	360.675,602
					10,000		1.471,299	146,050	360.821,652
1959		73,617	9,079	18.063,277			1.471,299	136,880	360.958,532
					10,000		1.471,299	139,480	361.098,012
1960		73,617	9,393	18.072,670			1.471,299	148,380	361.246,392
					10,000		1.471,299	156,980	361.403,372
1961		73,617	8,934	18.081,604			1.471,299	163,580	361.566,952
					10,000		1.471,299	158,670	361.725,622
1962		73,617	8,786	18.090,390			1.471,299	151,530	361.877,152
					10,000		1.471,299	146,880	362.024,032
1963		73,617	8,917	18.099,307			1.471,299	142,460	362.166,492
					10,000		1.471,299	147,030	362.313,522
1964		73,617	9,588	18.108,895			1.471,299	161,540	362.475,062
					10,000		1.471,299	164,100	362.639,162
1965		73,617	8,753	18.117,648					
					10,000				
1966		73,617	7,940	18.125,588					
					10,000				
1967		73,617	8,462	18.134,050					
					10,000				
1968		73,617	8,293	18.142,343					
					10,000				
1969		73,617	7,688	18.150,031					
					10,000				
1970		73,617	6,917	18.156,948					
					10,000				
1971		73,617	6,771	18.163,719					
					10,000				
1972		73,617	7,177	18.170,896					
					10,000				
1973		73,617	7,661	18.178,557					
					10,000				
1974		73,617	8,037	18.186,594					
					10,000				
1975		73,617	8,321	18.194,915					
					10,000				
1976		73,617	7,546	18.202,461					
					10,000				
1977		73,617	7,607	18.210,068					
					10,000				
1978		73,617	7,081	18.217,149					
					10,000				
1979		73,617	7,165	18.224,314					
					10,000				
1980		73,617	7,538	18.231,852					
					10,000				
1981		73,617	8,616	18.240,468					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
1982		73,617	7,794	18.248,262					
					10,000		1.471,299	150,610	362.789,772
1983		73,617	7,267	18.255,529			1.471,299	144,190	362.933,962
					10,000		1.471,299	144,820	363.078,782
1984		73,617	7,152	18.262,681			1.471,299	148,140	363.226,922
					10,000		1.471,299	144,220	363.371,142
1985		73,617	7,330	18.270,011			1.471,299	127,020	363.498,162
					10,000		1.471,299	115,490	363.613,652
1986		73,617	7,484	18.277,495			1.471,299	116,140	363.729,792
					10,000		1.471,299	126,880	363.856,672
1987		73,617	6,938	18.284,433			1.471,299	147,420	364.004,092
					10,000		1.471,299	156,730	364.160,822
1988		73,617	5,764	18.290,197			1.471,299	156,960	364.317,782
					10,000		1.471,299	165,670	364.483,452
1989		73,617	5,785	18.295,982			1.471,299	165,220	364.648,672
					10,000		1.471,299	151,560	364.800,232
1990		73,617	5,829	18.301,811			1.471,299	159,410	364.959,642
					10,000		1.471,299	166,840	365.126,482
1991		73,617	6,859	18.308,670			1.471,299	161,820	365.288,302
					10,000		1.471,299	169,100	365.457,402
1992		73,617	7,883	18.316,553			1.471,299	175,200	365.632,602
					10,000		1.471,299	184,960	365.817,562
1993		73,617	7,790	18.324,343			1.471,299	194,150	366.011,712
					10,000		1.471,299	192,750	366.204,462
1994		73,617	7,906	18.332,249			1.471,299	192,040	366.396,502
					10,000		1.471,299	192,090	366.588,592
1995		73,617	8,661	18.340,910			1.471,299	204,050	366.792,642
					10,000		1.471,299	214,450	367.007,092
1996		73,617	7,861	18.348,771			1.471,299	210,300	367.217,392
					10,000		1.471,299	208,460	367.425,852
1997		73,617	7,295	18.356,066			1.471,299	202,330	367.628,182
					10,000		1.471,299	201,300	367.829,482
1998		73,617	8,646	18.364,712			1.471,299	217,740	368.047,222
					10,000		1.471,299	239,120	368.286,342
1999		73,617	8,038	18.372,750			1.471,299	248,820	368.535,162
					10,000		1.471,299	244,970	368.780,132
2000		73,617	8,144	18.380,894					
					10,000				
2001		73,617	8,766	18.389,660					
					10,000				
2002		73,617	8,754	18.398,414					
					10,000				
2003		73,617	9,742	18.408,156					
					10,000				
2004		73,617	9,673	18.417,829					
					10,000				
2005		73,617	9,602	18.427,431					
					10,000				
2006		73,617	9,602	18.437,033					
					10,000				
2007		73,617	9,607	18.446,640					
					10,000				
2008		73,617	10,798	18.457,438					
					10,000				
2009		73,617	10,647	18.468,085					
					10,000				
2010		73,617	10,383	18.478,468					
					10,000				
2011		73,617	10,463	18.488,931					
					10,000				
2012		73,617	9,770	18.498,701					
					10,000				
2013		73,617	10,360	18.509,061					
					10,000				
2014		73,617	11,414	18.520,475					
					10,000				
2015		73,617	12,498	18.532,973					
					10,000				
2016		73,617	12,384	18.545,357					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
2017		73,617	12,113	18.557,470					
					10,000		1.471,299	245,990	369.026,122
2018		73,617	12,486	18.569,956			1.471,299	256,400	369.282,522
					10,000		1.471,299	266,310	369.548,832
2019		73,617	13,154	18.583,110			1.471,299	274,450	369.823,282
					10,000		1.471,299	270,440	370.093,722
2020		73,617	13,477	18.596,587			1.471,299	258,940	370.352,662
					10,000		1.471,299	254,750	370.607,412
2021		73,617	13,968	18.610,555			1.471,299	260,330	370.867,742
					10,000		1.471,299	273,990	371.141,732
2022		73,617	13,076	18.623,631			1.471,299	270,520	371.412,252
					10,000		1.471,299	270,070	371.682,322
2023		73,617	12,818	18.636,449			1.471,299	271,840	371.954,162
					10,000		1.471,299	256,950	372.211,112
2024		73,617	12,657	18.649,106			1.471,299	255,720	372.466,832
					10,000		1.471,299	260,870	372.727,702
2025		73,617	13,376	18.662,482			1.471,299	254,750	372.982,452
					10,000		1.471,299	249,310	373.231,762
2026		73,617	14,023	18.676,505			1.471,299	248,810	373.480,572
					10,000		1.471,299	241,060	373.721,632
2027		73,617	13,029	18.689,534			1.471,299	240,290	373.961,922
					10,000		1.471,299	251,380	374.213,302
2028		73,617	13,978	18.703,512			1.471,299	254,300	374.467,602
					10,000		1.471,299	251,750	374.719,352
2029		73,617	13,206	18.716,718			1.471,299	241,320	374.960,672
					10,000		1.471,299	230,360	375.191,032
2030		73,617	12,489	18.729,207			1.471,299	232,550	375.423,582
					10,000		1.471,299	228,320	375.651,902
2031		73,617	13,083	18.742,290			1.471,299	223,040	375.874,942
					10,000		1.471,299	226,610	376.101,552
2032		73,617	13,004	18.755,294			1.471,299	227,810	376.329,362
					10,000		1.471,299	226,620	376.555,982
2033		73,617	12,471	18.767,765			1.471,299	220,480	376.776,462
					10,000		1.471,299	209,560	376.986,022
2034		73,617	12,460	18.780,225			1.471,299	210,280	377.196,302
					10,000		1.471,299	207,050	377.403,352
2035		73,617	12,421	18.792,646					
					10,000				
2036		73,617	11,685	18.804,331					
					10,000				
2037		73,617	12,344	18.816,675					
					10,000				
2038		73,617	12,794	18.829,469					
					10,000				
2039		73,617	12,636	18.842,105					
					10,000				
2040		73,617	12,539	18.854,644					
					10,000				
2041		73,617	11,593	18.866,237					
					10,000				
2042		73,617	11,443	18.877,680					
					10,000				
2043		73,617	11,812	18.889,492					
					10,000				
2044		73,617	11,020	18.900,512					
					10,000				
2045		73,617	11,284	18.911,796					
					10,000				
2046		73,617	11,377	18.923,173					
					10,000				
2047		73,617	11,404	18.934,577					
					10,000				
2048		73,617	11,258	18.945,835					
					10,000				
2049		73,617	10,790	18.956,625					
					10,000				
2050		73,617	10,166	18.966,791					
					10,000				
2051		73,617	10,862	18.977,653					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
2052		73,617	9,843	18.987,496					
					10,000		1.471,299	192,580	377.595,932
2053		73,617	9,415	18.996,911			1.471,299	188,000	377.783,932
					10,000		1.471,299	180,910	377.964,842
2054		73,617	9,385	19.006,296			1.471,299	175,830	378.140,672
					10,000		1.471,299	177,920	378.318,592
2055		73,617	8,706	19.015,002			1.471,299	176,000	378.494,592
					10,000		1.471,299	182,500	378.677,092
2056		73,617	8,877	19.023,879			1.471,299	183,080	378.860,172
					10,000		1.471,299	169,490	379.029,662
2057		73,617	8,915	19.032,794			1.471,299	168,040	379.197,702
					10,000		1.471,299	165,190	379.362,892
2058		73,617	8,685	19.041,479			1.471,299	148,680	379.511,572
					10,000		1.471,299	138,560	379.650,132
2059		73,617	9,565	19.051,044			1.471,299	140,620	379.790,752
					10,000		1.471,299	147,780	379.938,532
2060		73,617	8,743	19.059,787			1.471,299	149,660	380.088,192
					10,000		1.471,299	138,120	380.226,312
2061		73,617	8,206	19.067,993			1.471,299	133,830	380.360,142
					10,000		1.471,299	135,080	380.495,222
2062		73,617	8,598	19.076,591			1.471,299	133,450	380.628,672
					10,000		1.471,299	149,390	380.778,062
2063		73,617	7,921	19.084,512			1.471,299	163,890	380.941,952
					10,000		1.471,299	172,130	381.114,082
2064		73,617	6,947	19.091,459			1.471,299	172,950	381.287,032
					10,000		1.471,299	157,940	381.444,972
2065		73,617	6,909	19.098,368			1.471,299	158,910	381.603,882
					10,000		1.471,299	156,990	381.760,872
2066		73,617	7,153	19.105,521			1.471,299	136,530	381.897,402
					10,000		1.471,299	126,160	382.023,562
2067		73,617	7,625	19.113,146			1.471,299	124,170	382.147,732
					10,000		1.471,299	127,920	382.275,652
2068		73,617	7,341	19.120,487			1.471,299	139,170	382.414,822
					10,000		1.471,299	150,590	382.565,412
2069		73,617	6,471	19.126,958			1.471,299	149,380	382.714,792
					10,000		1.471,299	136,240	382.851,032
2070		73,617	6,912	19.133,870					
					10,000				
2071		73,617	6,596	19.140,466					
					10,000				
2072		73,617	6,749	19.147,215					
					10,000				
2073		73,617	8,190	19.155,405					
					10,000				
2074		73,617	8,199	19.163,604					
					10,000				
2075		73,617	9,014	19.172,618					
					10,000				
2076		73,617	8,281	19.180,899					
					10,000				
2077		73,617	7,513	19.188,412					
					10,000				
2078		73,617	8,378	19.196,790					
					10,000				
2079		73,617	7,321	19.204,111					
					10,000				
2080		73,617	6,332	19.210,443					
					10,000				
2081		73,617	6,284	19.216,727					
					10,000				
2082		73,617	6,133	19.222,860					
					10,000				
2083		73,617	6,659	19.229,519					
					10,000				
2084		73,617	7,258	19.236,777					
					10,000				
2085		73,617	7,801	19.244,578					
					10,000				
2086		73,617	7,137	19.251,715					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
2087		73,617	6,487	19.258,202					
					10,000		1.471,299	121,670	382.972,702
2088		73,617	5,680	19.263,882			1.471,299	124,280	383.096,982
					10,000		1.471,299	146,590	383.243,572
2089		73,617	6,748	19.270,630			1.471,299	154,380	383.397,952
					10,000		1.471,299	149,280	383.547,232
2090		73,617	7,911	19.278,541			1.471,299	140,770	383.688,002
					10,000		1.471,299	150,890	383.838,892
2091		73,617	7,527	19.286,068			1.471,299	161,880	384.000,772
					10,000		1.471,299	155,420	384.156,192
2092		73,617	7,401	19.293,469			1.471,299	153,450	384.309,642
					10,000		1.471,299	145,920	384.455,562
2093		73,617	6,676	19.300,145			1.471,299	145,910	384.601,472
					10,000		1.471,299	161,640	384.763,112
2094		73,617	8,413	19.308,558			1.471,299	163,760	384.926,872
					10,000		1.471,299	159,510	385.086,382
2095		73,617	7,775	19.316,333			1.471,299	160,790	385.247,172
					10,000		1.471,299	157,660	385.404,832
2096		73,617	7,767	19.324,100			1.471,299	170,470	385.575,302
					10,000		1.471,299	182,440	385.757,742
2097		73,617	7,578	19.331,678			1.471,299	181,880	385.939,622
					10,000		1.471,299	170,030	386.109,652
2098		73,617	7,014	19.338,692			1.471,299	145,650	386.255,302
					10,000		1.471,299	150,340	386.405,642
2099		73,617	7,577	19.346,269			1.471,299	165,400	386.571,042
					10,000		1.471,299	166,830	386.737,872
2100		73,617	8,587	19.354,856			1.471,299	169,850	386.907,722
					10,000		1.471,299	168,910	387.076,632
2101		73,617	7,789	19.362,645			1.471,299	182,790	387.259,422
					10,000		1.471,299	190,820	387.450,242
2102		73,617	8,162	19.370,807			1.471,299	195,400	387.645,642
					10,000		1.471,299	209,450	387.855,092
2103		73,617	7,917	19.378,724			1.471,299	209,410	388.064,502
					10,000		1.471,299	218,280	388.282,782
2104		73,617	7,849	19.386,573			1.471,299	225,280	388.508,062
					10,000		1.471,299	219,240	388.727,302
2105		73,617	9,198	19.395,771					
					10,000				
2106		73,617	9,046	19.404,817					
					10,000				
2107		73,617	9,142	19.413,959					
					10,000				
2108		73,617	7,861	19.421,820					
					10,000				
2109		73,617	6,704	19.428,524					
					10,000				
2110		73,617	8,330	19.436,854					
					10,000				
2111		73,617	8,210	19.445,064					
					10,000				
2112		73,617	8,473	19.453,537					
					10,000				
2113		73,617	8,512	19.462,049					
					10,000				
2114		73,617	8,379	19.470,428					
					10,000				
2115		73,617	9,900	19.480,328					
					10,000				
2116		73,617	9,182	19.489,510					
					10,000				
2117		73,617	10,358	19.499,868					
					10,000				
2118		73,617	10,587	19.510,455					
					10,000				
2119		73,617	10,354	19.520,809					
					10,000				
2120		73,617	11,474	19.532,283					
					10,000				
2121		73,617	11,054	19.543,337					
					10,000				

Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte	Á. C. Acum.	Á. Aterro	Á. A. Acum.	Semi-Dist.	Vol. Corte	Vol. C.Acum.	Vol. Aterro	Vol. A.Acum.
2122		73,617	10,870	19.554,207					
					10,000		1.471,299	230,020	388.957,322
2123		73,617	12,132	19.566,339					
					10,000		1.471,299	245,240	389.202,562
2124		73,617	12,392	19.578,731					
					10,000		1.471,299	238,350	389.440,912
2125		73,617	11,443	19.590,174					
					10,000		1.471,299	239,530	389.680,442
2126		73,617	12,510	19.602,684					
					10,000		1.471,299	244,920	389.925,362
2127		73,617	11,982	19.614,666					
					10,000		1.471,299	238,400	390.163,762
2128		73,617	11,858	19.626,524					
					10,000		1.471,299	233,660	390.397,422
2129		73,617	11,508	19.638,032					
					10,000		1.471,299	233,300	390.630,722
2130		73,617	11,822	19.649,854					
					10,000		1.471,299	241,720	390.872,442
2131		73,617	12,350	19.662,204					
					10,000		1.471,299	254,120	391.126,562
2132		73,617	13,062	19.675,266					
					10,000		1.471,299	259,330	391.385,892
2133		73,617	12,871	19.688,137					
					10,000		1.471,299	248,620	391.634,512
2134		73,617	11,991	19.700,128					
					10,000		1.471,299	237,620	391.872,132
2135		73,617	11,771	19.711,899					
					10,000		1.471,299	186,230	392.058,362
2136		73,617	6,852	19.718,751					
					10,000		1.471,299	136,930	392.195,292
2137		73,617	6,841	19.725,592					
					6,946		1.471,299	93,070	392.288,362
2137+13,891		73,617	6,559	19.732,151					

5.0 – NOTAS DE SERVIÇO DE TERRAPLENAGEM

Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Banqueta					Eixo					Crista de Corte em Rocha					Bordo				
Estaca	Distância	Offset	Altura	Cota	Distância	Cota	Distância	Cota	%	Distância	Cota	Distância	Cota	%	Distância	Cota	Distância	Offset	Altura
Linha Cabaçu																			
	6,228	642,550	-0,152			6,000	642,702	-3,000			6,000	642,882	642,882	-0,094	6,000	642,702	-3,000	6,427	642,417
1	6,395	642,509	-0,263			6,000	642,772	-3,000			6,000	642,858	642,952	-0,094	6,000	642,772	-3,000	6,323	642,557
2	6,395	642,579	-0,263			6,000	642,842	-3,000			6,000	642,900	643,022	-0,122	6,000	642,842	-3,000	6,314	642,633
3	6,330	642,692	-0,220			6,000	642,912	-3,000			6,000	642,825	643,092	-0,267	6,000	642,912	-3,000	6,466	642,601
4	6,341	642,754	-0,227			6,000	642,981	-3,000			6,000	642,856	643,161	-0,305	6,000	642,981	-3,000	6,548	642,616
5	6,367	642,806	-0,245			6,000	643,051	-3,000			6,000	642,882	643,231	-0,349	6,000	643,051	-3,000	6,459	642,745
6	6,403	642,853	-0,268			6,000	643,121	-3,000			6,000	642,912	643,301	-0,389	6,000	643,121	-3,000	6,487	642,796
7	6,450	642,891	-0,300			6,000	643,191	-3,000			6,000	642,934	643,371	-0,437	6,000	643,191	-3,000	6,627	642,773
8	6,689	642,802	-0,459			6,000	643,261	-3,000			6,000	642,988	643,441	-0,453	6,000	643,261	-3,000	6,728	642,776
9	6,617	642,919	-0,411			6,000	643,330	-3,000			6,000	643,193	643,510	-0,317	6,000	643,330	-3,000	6,655	642,893
10	6,004	643,404	0,004			6,000	643,400	-3,000			6,000	643,559	643,580	-0,021	6,000	643,400	-3,000	6,073	643,351
11	6,395	643,206	-0,264			6,000	643,470	-3,000			6,000	643,464	643,650	-0,186	6,000	643,470	-3,000	6,252	643,302
12	6,613	643,131	-0,409			6,000	643,540	-3,000			6,000	643,273	643,720	-0,447	6,000	643,540	-3,000	6,677	643,088
13	6,860	643,037	-0,573			6,000	643,610	-3,000			6,000	643,133	643,790	-0,657	6,000	643,610	-3,000	6,936	642,986
14	6,763	643,171	-0,509			6,000	643,680	-3,000			6,000	643,163	643,860	-0,697	6,000	643,680	-3,000	7,211	642,873
15	6,726	643,265	-0,484			6,000	643,749	-3,000			6,000	643,208	643,929	-0,721	6,000	643,749	-3,000	7,141	642,988
16	6,716	643,342	-0,477			6,000	643,819	-3,000			6,000	643,241	643,999	-0,758	6,000	643,819	-3,000	6,969	643,173
17	7,227	643,071	-0,818			6,000	643,889	-3,000			6,000	643,268	644,069	-0,801	6,000	643,889	-3,000	6,928	643,270
18	6,944	643,330	-0,629			6,000	643,959	-3,000			6,000	643,347	644,139	-0,792	6,000	643,959	-3,000	6,938	643,334
19	6,849	643,463	-0,566			6,000	644,029	-3,000			6,000	643,386	644,209	-0,823	6,000	644,029	-3,000	7,053	643,327
20	6,786	643,574	-0,524			6,000	644,098	-3,000			6,000	643,416	644,278	-0,862	6,000	644,098	-3,000	7,281	643,244
21	6,809	643,629	-0,539			6,000	644,168	-3,000			6,000	643,450	644,348	-0,898	6,000	644,168	-3,000	7,271	643,321
22	7,066	643,528	-0,710			6,000	644,238	-3,000			6,000	643,519	644,418	-0,899	6,000	644,238	-3,000	7,043	643,543
23	7,325	643,425	-0,883			6,000	644,308	-3,000			6,000	643,576	644,488	-0,912	6,000	644,308	-3,000	7,007	643,636
24	7,422	643,430	-0,948			6,000	644,378	-3,000			6,000	643,630	644,558	-0,928	6,000	644,378	-3,000	6,994	643,715
25	7,100	643,715	-0,733			6,000	644,448	-3,000			6,000	643,757	644,628	-0,871	6,000	644,448	-3,000	7,025	643,765
26	6,537	644,159	-0,358			6,000	644,517	-3,000			6,000	644,246	644,697	-0,451	6,000	644,517	-3,000	6,592	644,122
27	6,170	644,474	-0,113			6,000	644,587	-3,000			6,000	644,447	644,767	-0,320	6,000	644,587	-3,000	6,304	644,384
28	6,446	644,360	-0,297			6,000	644,657	-3,000			6,000	644,315	644,837	-0,522	6,000	644,657	-3,000	6,765	644,147
29	7,003	644,058	-0,669			6,000	644,727	-3,000			6,000	644,011	644,907	-0,896	6,000	644,727	-3,000	7,157	643,956
30	7,148	644,031	-0,766			6,000	644,797	-3,000			6,000	644,010	644,977	-0,967	6,000	644,797	-3,000	7,100	644,064
31	7,056	644,162	-0,704			6,000	644,866	-3,000			6,000	644,016	645,046	-1,030	6,000	644,866	-3,000	7,097	644,134
32	7,327	644,052	-0,884			6,000	644,936	-3,000			6,000	644,109	645,116	-1,007	6,000	644,936	-3,000	7,135	644,180
33	7,332	644,118	-0,888			6,000	645,006	-3,000			6,000	644,142	645,186	-1,044	6,000	645,006	-3,000	7,402	644,072
34	7,332	644,188	-0,888			6,000	645,076	-3,000			6,000	644,185	645,256	-1,071	6,000	645,076	-3,000	7,598	644,011
35	7,369	644,233	-0,913			6,000	645,146	-3,000			6,000	644,234	645,326	-1,092	6,000	645,146	-3,000	7,422	644,198
36	7,332	644,328	-0,888			6,000	645,216	-3,000			6,000	644,289	645,396	-1,107	6,000	645,216	-3,000	7,286	644,359
37	7,293	644,423	-0,862			6,000	645,285	-3,000			6,000	644,339	645,465	-1,126	6,000	645,285	-3,000	7,263	644,443
38	7,348	644,457	-0,898			6,000	645,355	-3,000			6,000	644,379	645,535	-1,156	6,000	645,355	-3,000	7,448	644,390
39	7,483	644,437	-0,988			6,000	645,425	-3,000			6,000	644,471	645,605	-1,134	6,000	645,425	-3,000	7,500	644,425
40	7,534	644,472	-1,023			6,000	645,495	-3,000			6,000	644,573	645,675	-1,102	6,000	645,495	-3,000	7,389	644,569
41	7,563	644,523	-1,042			6,000	645,565	-3,000			6,000	644,671	645,745	-1,074	6,000	645,565	-3,000	7,400	644,632
42	7,381	644,714	-0,920			6,000	645,634	-3,000			6,000	644,806	645,814	-1,008	6,000	645,634	-3,000	7,397	644,703
43	6,924	645,088	-0,616			6,000	645,704	-3,000			6,000	645,196	645,884	-0,688	6,000	645,704	-3,000	6,955	645,067
44	6,731	645,287	-0,487			6,000	645,774	-3,000			6,000	645,403	645,954	-0,551	6,000	645,774	-3,000	6,629	645,355
45	7,288	644,985	-0,859			6,000	645,844	-3,000			6,000	645,289	646,024	-0,735	6,000	645,844	-3,000	7,446	644,880
46	7,814	644,705	-1,209			6,000	645,914	-3,000			6,000	645,101	646,094	-0,993	6,000	645,914	-3,000	7,404	644,978
47	7,732	644,829	-1,155			6,000	645,984	-3,000			6,000	645,129	646,164	-1,035	6,000	645,984	-3,000	7,316	645,106
48	7,265	645,210	-0,843			6,000	646,053	-3,000			6,000	645,227	646,233	-1,006	6,000	646,053	-3,000	7,386	645,129
49	7,245	645,293	-0,830			6,000	646,123	-3,000			6,000	645,312	646,303	-0,991	6,000	646,123	-3,000	7,514	645,114
50	7,340	645,300	-0,893			6,000	646,193	-3,000			6,000	645,335	646,373	-1,038	6,000	646,193	-3,000	7,567	645,149
51	7,301	645,396	-0,867			6,000	646,263	-3,000			6,000	645,475	646,443	-0,968	6,000	646,263	-3,000	7,518	645,251
52	7,476	645,349	-0,984			6,000	646,333	-3,000			6,000	645,574	646,513	-0,939	6,000	646,333	-3,000	7,374	645,417
53	7,510	645,395	-1,007			6,000	646,402	-3,000			6,000	645,638	646,582	-0,944	6,000	646,402	-3,000	7,301	645,535
54	7,362	645,584	-0,908			6,000	646,472	-3,000			6,000	645,695	646,852	-0,957	6,000	646,472	-3,000	7,354	645,569
55	7,210	645,735	-0,807			6,000	646,542	-3,000			6,000	645,743	646,722	-0,979	6,000	646,542	-3,000	7,430	645,589
56	7,146	645,848	-0,764			6,000	646,612	-3,000			6,000	645,809	646,792	-0,983	6,000	646,612	-3,000	7,540	645,585

Nota de Serviço de Terraplenagem															
Estaca	Lado Esquerdo					Eixo					Lado Direito				
	Distância	Cota	Altura	Offset	Distância	Cota	Distância	Cota	Altura	Offset	Distância	Cota	Distância	Cota	Altura
57	7.106	645.945	-0.737		6.000	646.682	-3.000	645.914	646.862	-0.948	6.000	646.682	-3.000	7.366	645.771
58	7.290	645.891	-0.860		6.000	646.751	-3.000	646.408	646.931	-0.523	6.000	646.751	-3.000	6.621	646.337
59	6.715	646.344	-0.477		6.000	646.821	-3.000	646.655	647.001	-0.346	6.000	646.821	-3.000	6.390	646.561
60	7.364	645.982	-0.909		6.000	646.891	-3.000	646.503	647.071	-0.568	6.000	646.891	-3.000	6.936	646.267
61	7.014	646.285	-0.676		6.000	646.961	-3.000	646.181	647.141	-0.960	6.000	646.961	-3.000	7.628	645.875
62	7.144	646.268	-0.763		6.000	647.031	-3.000	646.253	647.211	-0.958	6.000	647.031	-3.000	7.336	646.141
63	7.090	646.375	-0.726		6.000	647.101	-3.000	646.350	647.281	-0.931	6.000	647.101	-3.000	7.189	646.308
64	7.099	646.437	-0.733		6.000	647.170	-3.000	646.497	647.350	-0.853	6.000	647.170	0.000	7.147	646.405
65	7.125	646.490	-0.750		6.000	647.240	-3.000	646.635	647.420	-0.785	6.000	647.240	0.000	7.104	646.504
66	7.108	646.571	-0.739		6.000	647.310	-3.000	646.763	647.490	-0.727	6.000	647.310	-3.000	7.131	646.556
67	7.058	646.675	-0.705		6.000	647.380	-3.000	646.877	647.560	-0.683	6.000	647.380	-3.000	7.063	646.672
68	6.988	646.791	-0.659		6.000	647.450	-3.000	646.973	647.630	-0.657	6.000	647.450	-3.000	7.071	646.736
69	7.016	646.919	-0.657		6.030	647.576	-2.050	647.084	647.699	-0.615	6.030	647.576	-2.050	7.002	646.871
70	7.217	646.963	-0.763		6.073	647.726	-0.710	647.117	647.769	-0.652	6.073	647.726	-0.710	6.948	647.003
70+10.722	7.330	646.984	-0.823		6.096	647.807		647.223	647.807	-0.584	6.096	647.807		6.963	647.045
71	7.375	647.037	-0.840		6.115	647.877	0.620	647.276	647.839	-0.563	6.115	647.839	-0.563	6.964	647.090
72	7.471	647.153	-0.876		6.158	648.029	1.950	647.397	647.909	-0.512	6.158	647.909	-0.512	6.898	647.230
73	7.601	647.248	-0.934		6.200	648.182	3.290	647.534	647.979	-0.445	6.200	647.534	-0.445	6.767	647.397
74	7.646	647.401	-0.936		6.242	648.337	4.620	647.529	648.049	-0.520	6.242	647.529	-0.520	6.665	647.478
75	7.691	647.555	-0.937		6.285	648.492	5.950	647.440	648.118	-0.678	6.285	647.440	-0.678	6.600	647.534
76	7.552	647.833	-0.816		6.327	648.649	7.290	647.590	648.188	-0.598	6.327	647.590	-0.598	6.474	647.629
76+10.722	7.503	647.966	-0.768		6.350	648.734	8.000	647.778	648.226	-0.448	6.350	647.778	-0.448	7.318	647.073
77	7.238	648.174	-0.592		6.350	648.766	8.000	647.297	648.258	-0.961	6.350	647.297	-0.961	6.445	647.687
78	7.917	647.791	-1.045		6.350	648.836	8.000	647.979	648.328	-0.349	6.350	647.979	-0.349	6.478	647.948
79	7.586	648.082	-0.824		6.350	648.906	8.000	648.061	648.398	-0.337	6.350	648.061	-0.337	6.492	648.032
80	7.591	648.148	-0.827		6.350	648.975	8.000	648.119	648.467	-0.348	6.350	648.119	-0.348	6.486	648.095
81	7.625	648.195	-0.850		6.350	649.045	8.000	648.170	648.537	-0.367	6.350	648.170	-0.367	6.466	648.145
82	7.653	648.246	-0.869		6.350	649.115	8.000	648.215	648.607	-0.392	6.350	648.215	-0.392	6.440	648.189
83	7.596	648.350	-0.831		6.350	649.181	8.000	648.253	648.673	-0.420	6.350	648.253	-0.420	6.411	648.226
84	7.632	648.383	-0.855		6.350	649.238	8.000	648.315	648.730	-0.415	6.350	648.315	-0.415	6.383	648.255
85	7.896	648.255	-1.031		6.350	649.286	8.000	648.278	648.778	-0.500	6.350	648.278	-0.500	6.362	648.282
86	8.027	648.208	-1.118		6.350	649.326	8.000	648.303	648.818	-0.515	6.350	648.303	-0.515	6.357	648.317
87	8.011	648.250	-1.108		6.350	649.358	8.000	648.322	648.850	-0.528	6.350	648.322	-0.528	6.400	648.309
88	8.237	648.123	-1.258		6.350	649.381	8.000	648.252	648.873	-0.621	6.350	648.252	-0.621	6.421	648.318
88+13.795	8.253	648.124	-1.268		6.350	649.392	8.000	648.082	648.884	-0.802	6.350	648.082	-0.802	6.802	648.075
89	8.236	648.102	-1.266		6.337	649.368	7.590	648.027	648.888	-0.861	6.337	648.027	-0.861	7.025	647.948
90	8.042	648.122	-1.165		6.294	649.287	6.250	648.033	648.894	-0.861	6.294	648.033	-0.861	6.803	648.161
91	7.757	648.196	-1.003		6.252	649.199	4.920	648.188	648.891	-0.703	6.252	648.188	-0.703	6.938	648.127
92	7.608	648.171	-0.932		6.210	649.103	3.590	648.214	648.881	-0.667	6.210	648.214	-0.667	7.369	647.885
93	7.368	648.200	-0.800		6.167	649.000	2.250	648.194	648.861	-0.667	6.167	648.194	-0.667	7.362	647.890
94	7.141	648.212	-0.678		6.125	648.890	0.920	648.076	648.833	-0.757	6.125	648.076	-0.757	7.320	647.853
94+13.795	7.356	647.971	-0.840		6.096	648.811		648.168	648.811	-0.643	6.096	648.168	-0.643	7.275	647.841
95	7.269	647.985	-0.791		6.082	648.776	-0.410	648.239	648.801	-0.562	6.082	648.239	-0.562	7.082	647.953
96	6.829	648.138	-0.526		6.040	648.664	-1.750	648.372	648.769	-0.397	6.040	648.372	-0.397	6.945	647.985
97	6.291	648.363	-0.194		6.000	648.557	-3.000	648.310	648.737	-0.427	6.000	648.557	-3.000	7.059	647.851
98	6.834	647.969	-0.556		6.000	648.525	-3.000	647.992	648.705	-0.713	6.000	648.525	-3.000	7.205	647.722
99	6.619	648.081	-0.412		6.000	648.493	-3.000	647.899	648.673	-0.774	6.000	648.493	-3.000	7.195	647.696
100	6.819	647.915	-0.546		6.000	648.461	-3.000	647.880	648.641	-0.761	6.000	648.461	-3.000	7.236	647.637
101	6.893	647.833	-0.595		6.000	648.428	-3.000	647.813	648.608	-0.795	6.000	648.428	-3.000	7.342	647.534
102	7.152	647.628	-0.768		6.000	648.396	-3.000	647.738	648.576	-0.838	6.000	648.396	-3.000	7.445	647.433
103	7.187	647.573	-0.791		6.000	648.364	-3.000	647.666	648.544	-0.878	6.000	648.364	-3.000	7.573	647.315
104	7.379	647.413	-0.919		6.000	648.332	-3.000	647.581	648.512	-0.931	6.000	648.332	-3.000	7.659	647.226
105	7.295	647.437	-0.863		6.000	648.300	-3.000	647.506	648.480	-0.974	6.000	648.300	-3.000	7.549	647.268
106	7.117	647.523	-0.745		6.000	648.268	-3.000	647.503	648.448	-0.945	6.000	648.268	-3.000	7.336	647.378
107	7.266	647.392	-0.844		6.000	648.236	-3.000	647.463	648.416	-0.953	6.000	648.236	-3.000	7.202	647.434
108	7.326	647.320	-0.884		6.000	648.204	-3.000	647.392	648.384	-0.992	6.000	648.204	-3.000	7.463	647.229
109	7.300	647.304	-0.867		6.000	648.171	-3.000	647.328	648.351	-1.023	6.000	648.171	-3.000	7.606	647.100
110	7.206	647.335	-0.804		6.000	648.139	-3.000	647.329	648.319	-0.990	6.000	648.139	-3.000	7.624	647.056

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				
	Distância	Cota	Altura	Offset		Distância	Cota	%	Bordo	Distância	Cota	%	Bordo	Distância	Cota	Distância	Cota	Distância	Cota	Offset
111	7.067	647.395	-0.712			6.000	648.107	-3.000	6.000	648.107	-3.000	-0.948	6.000	648.107	-3.000	7.619	647.027	-1.080		
112	7.278	647.223	-0.852			6.000	648.075	-3.000	6.000	648.075	-3.000	-0.906	6.000	648.075	-3.000	7.872	646.827	-1.248		
113	6.781	647.523	-0.520			6.000	648.043	-3.000	6.000	648.043	-3.000	-0.564	6.000	648.043	-3.000	7.301	647.175	-0.868		
114	6.394	647.748	-0.263			6.000	648.011	-3.000	6.000	648.011	-3.000	-0.300	6.000	648.011	-3.000	6.428	647.725	-0.286		
115	7.059	647.273	-0.706			6.000	647.979	-3.000	6.000	647.979	-3.000	-0.669	6.000	647.979	-3.000	7.618	646.900	-1.079		
116	7.275	647.097	-0.850			6.000	647.947	-3.000	6.000	647.947	-3.000	-0.821	6.000	647.947	-3.000	7.728	646.795	-1.152		
117	6.970	647.268	-0.647			6.000	647.915	-3.000	6.000	647.915	-3.000	-0.821	6.000	647.915	-3.000	7.495	646.918	-0.997		
118	7.045	647.186	-0.696			6.000	647.882	-3.000	6.000	647.882	-3.000	-0.814	6.000	647.882	-3.000	7.580	646.828	-1.054		
119	7.110	647.110	-0.740			6.000	647.850	-3.000	6.000	647.850	-3.000	-0.834	6.000	647.850	-3.000	7.630	646.763	-1.087		
120	7.163	647.042	-0.776			6.000	647.818	-3.000	6.000	647.818	-3.000	-0.858	6.000	647.818	-3.000	7.579	646.765	-1.053		
121	7.089	647.060	-0.726			6.000	647.786	-3.000	6.000	647.786	-3.000	-0.851	6.000	647.786	-3.000	7.519	646.773	-1.013		
122	7.045	647.058	-0.696			6.000	647.754	-3.000	6.000	647.754	-3.000	-0.821	6.000	647.754	-3.000	7.726	646.603	-1.151		
123	7.091	646.995	-0.727			6.000	647.722	-3.000	6.000	647.722	-3.000	-0.791	6.000	647.722	-3.000	7.602	646.654	-1.068		
124	6.956	647.053	-0.637			6.000	647.690	-3.000	6.000	647.690	-3.000	-0.785	6.000	647.690	-3.000	7.597	646.626	-1.064		
125	6.785	647.135	-0.523			6.000	647.658	-3.000	6.000	647.658	-3.000	-0.807	6.000	647.658	-3.000	7.585	646.602	-1.056		
126	6.764	647.116	-0.509			6.000	647.625	-3.000	6.000	647.625	-3.000	-0.820	6.000	647.625	-3.000	7.553	646.590	-1.035		
127	6.827	647.042	-0.551			6.000	647.593	-3.000	6.000	647.593	-3.000	-0.819	6.000	647.593	-3.000	7.597	646.528	-1.065		
128	7.004	646.892	-0.669			6.000	647.561	-3.000	6.000	647.561	-3.000	-0.801	6.000	647.561	-3.000	7.429	646.609	-0.952		
129	7.042	646.834	-0.695			6.000	647.529	-3.000	6.000	647.529	-3.000	-0.819	6.000	647.529	-3.000	7.528	646.510	-1.019		
130	6.848	646.932	-0.565			6.000	647.497	-3.000	6.000	647.497	-3.000	-0.726	6.000	647.497	-3.000	7.161	646.723	-0.774		
131	6.237	647.307	-0.158			6.000	647.465	-3.000	6.000	647.465	-3.000	-0.319	6.000	647.465	-3.000	6.924	646.849	-0.616		
132	6.061	647.392	-0.041			6.000	647.433	-3.000	6.000	647.433	-3.000	-0.181	6.000	647.433	-3.000	7.251	646.599	-0.834		
133	6.377	647.149	-0.252			6.000	647.401	-3.000	6.000	647.401	-3.000	-0.402	6.000	647.401	-3.000	7.663	646.293	-1.108		
134	6.660	646.929	-0.440			6.000	647.369	-3.000	6.000	647.369	-3.000	-0.741	6.000	647.369	-3.000	7.283	646.514	-0.855		
135	6.788	646.811	-0.525			6.000	647.336	-3.000	6.000	647.336	-3.000	-0.657	6.000	647.336	-3.000	6.929	646.717	-0.619		
136	6.844	646.742	-0.562			6.000	647.304	-3.000	6.000	647.304	-3.000	-0.714	6.000	647.304	-3.000	7.005	646.634	-0.670		
137	6.920	646.659	-0.613			6.000	647.272	-3.000	6.000	647.272	-3.000	-0.738	6.000	647.272	-3.000	6.971	646.624	-0.648		
138	6.887	646.649	-0.591			6.000	647.240	-3.000	6.000	647.240	-3.000	-0.669	6.000	647.240	-3.000	6.713	646.764	-0.476		
139	6.867	646.630	-0.578			6.000	647.208	-3.000	6.000	647.208	-3.000	-0.698	6.000	647.208	-3.000	6.515	646.864	-0.344		
140	6.890	646.583	-0.593			6.000	647.176	-3.000	6.000	647.176	-3.000	-0.658	6.000	647.176	-3.000	6.539	646.817	-0.359		
141	6.735	646.654	-0.490			6.000	647.144	-3.000	6.000	647.144	-3.000	-0.625	6.000	647.144	-3.000	6.571	646.763	-0.381		
142	6.838	646.553	-0.559			6.000	647.112	-3.000	6.000	647.112	-3.000	-0.730	6.000	647.112	-3.000	6.636	646.688	-0.424		
143	6.771	646.565	-0.514			6.000	647.079	-3.000	6.000	647.079	-3.000	-0.844	6.000	647.079	-3.000	6.572	646.698	-0.381		
144	6.847	646.482	-0.565			6.000	647.047	-3.000	6.000	647.047	-3.000	-0.786	6.000	647.047	-3.000	6.442	646.752	-0.295		
145	6.923	646.400	-0.615			6.000	647.015	-3.000	6.000	647.015	-3.000	-0.790	6.000	647.015	-3.000	6.527	646.663	-0.352		
146	6.807	646.445	-0.538			6.000	646.983	-3.000	6.000	646.983	-3.000	-0.829	6.000	646.983	-3.000	6.628	646.565	-0.418		
147	7.012	646.276	-0.675			6.000	646.951	-3.000	6.000	646.951	-3.000	-0.863	6.000	646.951	-3.000	6.617	646.539	-0.412		
148	6.793	646.390	-0.529			6.000	646.919	-3.000	6.000	646.919	-3.000	-0.690	6.000	646.919	-3.000	6.903	646.317	-0.802		
149	6.201	646.753	-0.134			6.000	646.887	-3.000	6.000	646.887	-3.000	-0.223	6.000	646.887	-3.000	6.035	646.922	0.035		
150	6.157	646.751	-0.104			6.000	646.855	-3.000	6.000	646.855	-3.000	-0.182	6.000	646.855	-3.000	6.043	646.827	-0.028		
151	6.551	646.455	-0.367			6.000	646.822	-3.000	6.000	646.822	-3.000	-0.684	6.000	646.822	-3.000	6.681	646.368	-0.454		
152	7.009	646.117	-0.673			6.000	646.790	-3.000	6.000	646.790	-3.000	-0.702	6.000	646.790	-3.000	6.606	646.386	-0.404		
153	7.027	646.073	-0.685			6.000	646.758	-3.000	6.000	646.758	-3.000	-0.693	6.000	646.758	-3.000	6.583	646.369	-0.389		
154	6.859	646.154	-0.572			6.000	646.726	-3.000	6.000	646.726	-3.000	-0.796	6.000	646.726	-3.000	6.892	646.131	-0.595		
155	7.010	646.020	-0.674			6.000	646.694	-3.000	6.000	646.694	-3.000	-0.847	6.000	646.694	-3.000	6.977	646.043	-0.651		
156	6.881	646.075	-0.587			6.000	646.662	-3.000	6.000	646.662	-3.000	-0.941	6.000	646.662	-3.000	7.195	645.865	-0.797		
157	6.992	645.975	-0.655			6.000	646.630	-3.000	6.000	646.630	-3.000	-1.024	6.000	646.630	-3.000	7.593	645.568	-1.062		
158	7.001	645.930	-0.668			6.000	646.598	-3.000	6.000	646.598	-3.000	-1.089	6.000	646.598	-3.000	7.823	645.383	-1.215		
159	7.100	645.833	-0.733			6.000	646.566	-3.000	6.000	646.566	-3.000	-1.100	6.000	646.566	-3.000	7.889	645.307	-1.259		
160	7.112	645.792	-0.741			6.000	646.533	-3.000	6.000	646.533	-3.000	-1.066	6.000	646.533	-3.000	7.722	645.385	-1.148		
161	7.145	645.738	-0.763			6.000	646.501	-3.000	6.000	646.501	-3.000	-1.049	6.000	646.501	-3.000	7.493	645.505	-0.996		
162	7.217	645.658	-0.811			6.000	646.469	-3.000	6.000	646.469	-3.000	-0.929	6.000	646.469	-3.000	6.934	645.847	-0.822		
163	7.294	645.574	-0.863			6.000	646.437	-3.000	6.000	646.437	-3.000	-0.851	6.000	646.437	-3.000	6.772	645.922	-0.515		
164	6.642	645.977	-0.428			6.000	646.405	-3.000	6.000	646.405	-3.000	-0.566	6.000	646.405	-3.000	7.275	645.555	-0.850		
164+8.817	6.283	646.202	-0.189			6.000	646.391	-3.000	6.000	646.391	-3.000	-0.407	6.000	646.391	-3.000	7.632	645.303	-1.088		
165	6.427	646.088	-0.285			6.000	646.373	-3.000	6.000	646.373	-3.000	-0.203	6.000	646.373	-3.000	6.579	645.987	-0.386		
166	6.062	646.403	0.062			6.000	646.341	-3.000	6.000	646.341	-3.000	-0.182	6.000	646.341	-3.000	6.917	645.730	-0.611		
167	6.025	646.292	-0.017			6.000	646.309	-3.000	6.000	646.309	-3.000	-0.301	6.000	646.309	-3.000	7.363	645.400	-0.909		

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				
	Distância	Cota	Altura	Offset		Distância	Cota	%	Bordo	Distância	Cota	%	Bordo	Distância	Cota	Distância	Cota	Distância	Cota	Offset
168	6.316	646.065	-0.211			6.000	646.276	-3.000	645.992	646.456	-0.464	-3.000	6.000	646.276	-3.000	7.315	645.400	-0.876		
169	6.581	645.857	-0.387			6.000	646.244	-3.000	645.922	646.424	-0.502	-3.000	6.000	646.244	-3.000	7.054	645.542	-0.702		
170	6.676	645.761	-0.451			6.000	646.212	-3.000	645.918	646.392	-0.474	-3.000	6.000	646.212	-3.000	7.248	645.380	-0.832		
171	6.504	645.844	-0.336			6.000	646.180	-3.000	645.907	646.360	-0.453	-3.000	6.000	646.180	-3.000	6.544	645.818	-0.362		
172	6.656	645.711	-0.437			6.000	646.148	-3.000	645.938	646.328	-0.390	-3.000	6.000	646.148	-3.000	6.730	645.661	-0.487		
173	6.875	645.533	-0.583			6.000	646.116	-3.000	645.852	646.296	-0.444	-3.000	6.000	646.116	-3.000	6.761	645.609	-0.507		
174	7.323	645.202	-0.882			6.000	646.084	-3.000	645.677	646.264	-0.587	-3.000	6.000	646.084	-3.000	7.475	645.101	-0.983		
175	7.447	645.087	-0.965			6.000	646.052	-3.000	645.660	646.232	-0.572	-3.000	6.000	646.052	-3.000	7.253	645.217	-0.835		
176	7.146	645.256	-0.764			6.000	646.020	-3.000	645.629	646.200	-0.571	-3.000	6.000	646.020	-3.000	6.469	645.707	-0.313		
177	6.853	645.418	-0.569			6.000	645.987	-3.000	645.572	646.167	-0.595	-3.000	6.000	645.987	-3.000	7.207	645.182	-0.805		
178	7.255	645.119	-0.836			6.000	645.955	-3.000	645.508	646.135	-0.627	-3.000	6.000	645.955	-3.000	8.104	644.553	-1.402		
179	7.104	645.187	-0.736			6.000	645.923	-3.000	645.525	646.103	-0.578	-3.000	6.000	645.923	-3.000	8.656	644.153	-1.770		
180	6.940	645.265	-0.626			6.000	645.891	-3.000	645.584	646.071	-0.487	-3.000	6.000	645.891	-3.000	8.746	644.061	-1.830		
181	6.852	645.291	-0.568			6.000	645.859	-3.000	645.576	646.039	-0.463	-3.000	6.000	645.859	-3.000	8.286	644.335	-1.524		
182	7.337	644.936	-0.891			6.000	645.827	-3.000	645.421	646.007	-0.586	-3.000	6.000	645.827	-3.000	6.627	645.409	-0.418		
183	6.930	645.175	-0.620			6.000	645.795	-3.000	645.400	645.975	-0.575	-3.000	6.000	645.795	-3.000	8.767	643.950	-1.845		
184	7.169	644.983	-0.780			6.000	645.763	-3.000	645.301	645.943	-0.642	-3.000	6.000	645.763	-3.000	8.814	643.887	-1.876		
185	7.569	644.684	-1.046			6.000	645.730	-3.000	645.222	645.910	-0.688	-3.000	6.000	645.730	-3.000	8.462	644.089	-1.641		
186	7.668	644.586	-1.112			6.000	645.698	-3.000	645.169	645.878	-0.709	-3.000	6.000	645.698	-3.000	8.681	643.910	-1.788		
187	7.545	644.636	-1.030			6.000	645.666	-3.000	645.088	645.846	-0.758	-3.000	6.000	645.666	-3.000	6.902	645.065	-0.601		
188	7.453	644.665	-0.969			6.000	645.634	-3.000	645.075	645.814	-0.739	-3.000	6.000	645.634	-3.000	8.521	643.953	-1.881		
189	7.598	644.537	-1.065			6.000	645.602	-3.000	645.064	645.782	-0.718	-3.000	6.000	645.602	-3.000	8.925	643.652	-1.950		
190	7.799	644.371	-1.199			6.000	645.570	-3.000	645.028	645.750	-0.722	-3.000	6.000	645.570	-3.000	8.497	643.906	-1.664		
191	7.799	644.338	-1.200			6.000	645.538	-3.000	645.010	645.718	-0.708	-3.000	6.000	645.538	-3.000	7.268	644.693	-0.845		
192	7.434	644.550	-0.956			6.000	645.506	-3.000	644.940	645.686	-0.746	-3.000	6.000	645.506	-3.000	7.176	644.722	-0.784		
193	7.255	644.636	-0.837			6.000	645.473	-3.000	644.881	645.653	-0.772	-3.000	6.000	645.473	-3.000	7.850	644.239	-1.234		
194	7.101	644.707	-0.734			6.000	645.441	-3.000	644.959	645.621	-0.662	-3.000	6.000	645.441	-3.000	7.680	644.321	-1.120		
195	7.332	644.521	-0.888			6.000	645.409	-3.000	644.949	645.589	-0.640	-3.000	6.000	645.409	-3.000	8.484	643.753	-1.656		
196	7.608	644.305	-1.072			6.000	645.377	-3.000	644.891	645.557	-0.666	-3.000	6.000	645.377	-3.000	7.598	644.312	-1.065		
197	7.284	644.489	-0.856			6.000	645.345	-3.000	644.796	645.525	-0.729	-3.000	6.000	645.345	-3.000	6.816	644.801	-0.544		
198	7.318	644.434	-0.879			6.000	645.313	-3.000	644.751	645.493	-0.742	-3.000	6.000	645.313	-3.000	8.599	643.580	-1.733		
199	7.819	644.068	-1.213			6.000	645.281	-3.000	644.658	645.461	-0.803	-3.000	6.000	645.281	-3.000	7.888	644.023	-1.258		
200	7.745	644.085	-1.164			6.000	645.249	-3.000	644.589	645.429	-0.840	-3.000	6.000	645.249	-3.000	8.188	643.790	-1.459		
201	7.460	644.244	-0.973			6.000	645.217	-3.000	644.544	645.397	-0.853	-3.000	6.000	645.217	-3.000	7.328	644.332	-0.885		
202	7.425	644.233	-0.950			6.000	645.183	-3.000	644.422	645.363	-0.941	-3.000	6.000	645.183	-3.000	7.343	644.288	-0.895		
203	7.340	644.252	-0.893			6.000	645.145	-3.000	644.317	645.325	-1.008	-3.000	6.000	645.145	-3.000	8.216	643.668	-1.477		
204	7.368	644.191	-0.912			6.000	645.103	-3.000	644.081	645.283	-1.202	-3.000	6.000	645.103	-3.000	7.720	643.957	-1.146		
205	7.438	644.099	-0.959			6.000	645.058	-3.000	643.901	645.238	-1.337	-3.000	6.000	645.058	-3.000	7.490	644.065	-0.993		
206	7.657	643.904	-1.105			6.000	645.009	-3.000	643.823	645.189	-1.366	-3.000	6.000	645.009	-3.000	7.371	644.095	-0.914		
207	7.498	643.957	-0.999			6.000	644.956	-3.000	643.785	645.136	-1.351	-3.000	6.000	644.956	-3.000	7.372	644.041	-0.915		
208	7.441	643.939	-0.961			6.000	644.900	-3.000	643.723	645.080	-1.357	-3.000	6.000	644.900	-3.000	7.258	644.061	-0.839		
209	7.321	643.960	-0.880			6.000	644.840	-3.000	643.663	645.020	-1.357	-3.000	6.000	644.840	-3.000	7.387	643.915	-0.925		
210	7.376	643.859	-0.917			6.000	644.776	-3.000	643.647	644.956	-1.309	-3.000	6.000	644.776	-3.000	7.244	643.947	-0.829		
211	7.623	643.626	-1.082			6.000	644.708	-3.000	643.498	644.888	-1.390	-3.000	6.000	644.708	-3.000	7.140	643.877	-0.760		
212	7.315	643.761	-0.876			6.000	644.637	-3.000	643.725	644.817	-1.092	-3.000	6.000	644.637	-3.000	7.042	643.788	-0.695		
213	7.437	643.604	-0.958			6.000	644.562	-3.000	643.859	644.742	-0.903	-3.000	6.000	644.562	-3.000	7.042	643.867	-0.695		
214	6.989	643.824	-0.659			6.000	644.483	-3.000	643.885	644.663	-0.778	-3.000	6.000	644.483	-3.000	7.042	643.788	-0.695		
215	7.289	643.540	-0.860			6.000	644.400	-3.000	643.447	644.580	-1.133	-3.000	6.000	644.400	-3.000	7.673	643.284	-1.116		
216	7.130	643.561	-0.753			6.000	644.314	-3.000	643.244	644.494	-1.250	-3.000	6.000	644.314	-3.000	7.689	643.188	-1.126		
217	7.524	643.208	-1.016			6.000	644.224	-3.000	643.152	644.404	-1.252	-3.000	6.000	644.224	-3.000	6.888	643.632	-0.592		
218	7.153	643.361	-0.769			6.000	644.130	-3.000	642.878	644.310	-1.432	-3.000	6.000	644.130	-3.000	7.958	642.824	-1.306		
219	7.097	643.301	-0.731			6.000	644.032	-3.000	642.935	644.212	-1.277	-3.000	6.000	644.032	-3.000	8.030	642.679	-1.353		
220	6.931	643.310	-0.621			6.000	643.931	-3.000	642.940	644.111	-1.171	-3.000	6.000	643.931	-3.000	8.056	642.561	-1.370		
221	6.882	643.238	-0.588			6.000	643.826	-3.000	642.855	644.006	-1.151	-3.000	6.000	643.826	-3.000	6.841	643.265	-0.561		
222	7.081	642.997	-0.720			6.000	643.717	-3.000	642.758	643.897	-1.139	-3.000	6.000	643.717	-3.000	6.961	643.076	-0.641		
223	7.225	642.788	-0.817			6.000	643.605	-3.000	642.656	643.785	-1.129	-3.000	6.000	643.605	-3.000	7.782	642.417	-1.188		
224	6.733	643.001	-0.488			6.000	643.489	-3.000	642.564	643.669	-1.105	-3.000	6.000	643.489	-3.000	7.880	642.236	-1.253		
225	6.644	642.940	-0.429			6.000	643.369	-3.000	642.472	643.549	-1.077	-3.000	6.000	643.369	-3.000	7				

Nota de Serviço de Terraplenagem																					
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha					
	Distância	Cota	Altura	Offset		Bordo	%	Cota	Terreno	Cota	Cota	Vermeilha	Distância	Bordo	%	Distância	Cota	Distância	Cota	Offset	
226	6.771	642.733	-0.514			6.000	643.247	-3.000	642.410	643.427	-1.017			6.000	643.247	-3.000			7.498	642.248	-0.999
227	6.513	642.783	-0.342			6.000	643.125	-3.000	642.377	643.305	-0.928			6.000	643.125	-3.000			6.691	642.664	-0.461
228	6.434	642.713	-0.290			6.000	643.003	-3.000	642.308	643.183	-0.875			6.000	643.003	-3.000			7.388	642.078	-0.925
229	6.427	642.596	-0.285			6.000	642.881	-3.000	642.342	643.061	-0.719			6.000	642.881	-3.000			7.538	641.855	-1.026
230	6.282	643.041	0.282			6.000	642.759	-3.000	642.644	642.939	-0.295			6.000	642.759	-3.000			6.552	642.391	-0.368
231	6.545	643.182	0.545			6.000	642.637	-3.000	642.615	642.817	-0.202			6.000	642.637	-3.000			6.404	642.367	-0.270
232	6.279	642.794	0.279			6.000	642.515	-3.000	642.279	642.695	-0.416			6.000	642.515	-3.000			6.073	642.466	-0.049
233	6.001	642.394	0.001			6.000	642.393	-3.000	641.902	642.573	-0.671			6.000	642.393	-3.000			7.237	641.588	-0.825
234	6.138	642.180	-0.092			6.000	642.272	-3.000	641.676	642.452	-0.776			6.000	642.272	-3.000			7.328	641.387	-0.855
235	6.106	642.080	-0.070			6.000	642.150	-3.000	641.550	642.330	-0.780			6.000	642.150	-3.000			7.288	641.292	-0.885
236	6.235	641.871	-0.157			6.000	642.028	-3.000	641.434	642.208	-0.714			6.000	642.028	-3.000			7.179	641.242	-0.786
237	6.080	641.853	-0.053			6.000	641.906	-3.000	641.380	642.086	-0.706			6.000	641.906	-3.000			6.336	641.682	-0.224
238	6.107	641.891	0.107			6.000	641.784	-3.000	641.273	641.964	-0.691			6.000	641.784	-3.000			7.084	641.061	-0.723
239	6.037	641.699	0.037			6.000	641.662	-3.000	641.189	641.842	-0.653			6.000	641.662	-3.000			7.081	640.942	-0.720
240	6.115	641.463	-0.077			6.000	641.540	-3.000	641.086	641.720	-0.634			6.000	641.540	-3.000			7.023	640.858	-0.682
241	6.127	641.333	-0.085			6.000	641.418	-3.000	640.990	641.598	-0.608			6.000	641.418	-3.000			7.029	640.732	-0.686
242	6.022	641.282	-0.015			6.000	641.297	-3.000	640.939	641.477	-0.538			6.000	641.297	-3.000			6.012	641.309	0.012
243	6.007	641.182	0.007			6.000	641.175	-3.000	640.839	641.355	-0.516			6.000	641.175	-3.000			6.976	640.524	-0.651
244	6.094	640.990	-0.063			6.000	641.053	-3.000	640.686	641.233	-0.547			6.000	641.053	-3.000			6.943	640.424	-0.629
245	6.050	640.981	0.050			6.000	640.931	-3.000	640.514	641.111	-0.597			6.000	640.931	-3.000			6.951	640.297	-0.634
246	6.193	641.002	0.193			6.000	640.809	-3.000	640.377	640.989	-0.612			6.000	640.809	-3.000			7.004	640.140	-0.669
247	6.300	640.987	0.300			6.000	640.687	-3.000	640.312	640.867	-0.555			6.000	640.687	-3.000			6.061	640.748	0.061
248	6.070	640.635	0.070			6.000	640.565	-3.000	640.102	640.745	-0.643			6.000	640.565	-3.000			6.945	639.935	-0.630
249	6.258	640.701	0.258			6.000	640.443	-3.000	640.009	640.623	-0.614			6.000	640.443	-3.000			6.951	639.809	-0.634
250	6.011	640.332	0.011			6.000	640.321	-3.000	639.897	640.501	-0.604			6.000	640.321	-3.000			6.967	639.676	-0.645
251	6.130	640.113	-0.087			6.000	640.200	-3.000	639.793	640.380	-0.587			6.000	640.200	-3.000			6.924	639.584	-0.616
252	6.263	639.903	-0.175			6.000	640.078	-3.000	639.779	640.258	-0.488			6.000	640.078	-3.000			6.056	640.041	-0.037
253	7.019	639.276	-0.680			6.000	639.956	-3.000	639.749	640.136	-0.387			6.000	639.956	-3.000			6.701	639.489	-0.467
254	6.181	640.015	0.181			6.000	639.834	-3.000	640.034	640.014	0.020			6.000	639.834	-3.000			6.112	639.946	0.112
255	6.244	639.956	0.244			6.000	639.712	-3.000	639.993	639.892	0.101			6.000	639.712	-3.000			6.168	639.880	0.168
256	6.148	639.738	0.148			6.000	639.590	-3.000	639.642	639.770	-0.128			6.000	639.590	-3.000			6.306	639.386	-0.204
257	6.150	639.368	-0.100			6.000	639.468	-3.000	639.125	639.648	-0.523			6.000	639.468	-3.000			6.801	638.934	-0.534
258	6.070	639.416	0.070			6.000	639.346	-3.000	638.893	639.526	-0.633			6.000	639.346	-3.000			6.702	638.878	-0.468
259	6.013	639.216	-0.009			6.000	639.225	-3.000	638.714	639.405	-0.691			6.000	639.225	-3.000			7.109	638.486	-0.739
260	6.026	639.086	-0.017			6.000	639.103	-3.000	638.544	639.283	-0.739			6.000	639.103	-3.000			7.171	638.322	-0.781
261	6.178	638.862	-0.119			6.000	638.981	-3.000	638.398	639.161	-0.763			6.000	638.981	-3.000			7.238	638.156	-0.825
262	6.046	638.829	-0.030			6.000	638.859	-3.000	638.237	639.039	-0.802			6.000	638.859	-3.000			7.138	638.100	-0.759
263	6.031	638.717	-0.020			6.000	638.737	-3.000	638.083	638.917	-0.834			6.000	638.737	-3.000			6.530	638.383	-0.354
264	6.336	638.391	-0.224			6.000	638.615	-3.000	637.962	638.795	-0.833			6.000	638.615	-3.000			7.335	637.725	-0.890
265	6.083	638.438	-0.055			6.000	638.493	-3.000	637.821	638.673	-0.852			6.000	638.493	-3.000			7.302	637.625	-0.868
266	6.271	638.190	-0.181			6.000	638.371	-3.000	637.687	638.551	-0.864			6.000	638.371	-3.000			7.256	637.533	-0.838
267	6.399	637.983	-0.266			6.000	638.249	-3.000	637.539	638.429	-0.890			6.000	638.249	-3.000			6.865	637.672	-0.577
268	6.679	637.675	-0.453			6.000	638.128	-3.000	637.362	638.308	-0.946			6.000	638.128	-3.000			6.623	637.712	-0.416
269	6.811	637.463	-0.540			6.000	638.003	-3.000	637.159	638.183	-1.024			6.000	638.003	-3.000			6.934	637.380	-0.623
270	6.562	637.498	-0.375			6.000	637.873	-3.000	637.035	638.053	-1.018			6.000	637.873	-3.000			6.992	637.211	-0.662
271	6.494	637.408	-0.329			6.000	637.737	-3.000	636.892	637.917	-1.025			6.000	637.737	-3.000			7.096	637.007	-0.730
272	7.315	636.719	-0.877			6.000	637.596	-3.000	636.783	637.776	-0.993			6.000	637.596	-3.000			7.060	636.889	-0.707
273	6.324	637.234	-0.216			6.000	637.450	-3.000	636.951	637.630	-0.679			6.000	637.450	-3.000			6.941	636.823	-0.627
274	6.053	637.351	0.053			6.000	637.298	-3.000	637.060	637.478	-0.418			6.000	637.298	-3.000			6.473	636.983	-0.315
275	6.163	637.031	-0.109			6.000	637.140	-3.000	636.917	637.320	-0.403			6.000	637.140	-3.000			6.412	636.865	-0.275
276	6.477	636.659	-0.318			6.000	636.977	-3.000	636.380	637.157	-0.777			6.000	636.977	-3.000			6.994	636.315	-0.662
277	6.776	636.291	-0.517			6.000	636.808	-3.000	635.869	636.988	-1.119			6.000	636.808	-3.000			7.247	635.977	-0.831
278	6.991	635.973	-0.661			6.000	636.634	-3.000	635.565	636.814	-1.249			6.000	636.634	-3.000			7.544	635.605	-1.029
279	7.286	635.598	-0.857			6.000	636.455	-3.000	635.321	636.635	-1.314			6.000	636.455	-3.000			7.298	635.590	-0.865
280	7.325	635.386	-0.884			6.000	636.270	-3.000	635.118	636.450	-1.332			6.000	636.270	-3.000			7.478	635.285	-0.985
281	6.821	635.533	-0.547			6.000	636.080	-3.000	634.934	636.260	-1.326			6.000	636.080	-3.000			7.403	635.145	-0.938
282	6.859	635.311	-0.573			6.000	635.884	-3.000	634.719	636.064	-1.345			6.000	635.884	-3.000			7.498	634.886	-0.995
283	6.867	635.104	-0.578			6.000	635.682	-3.000	634.493	635.962	-1.369			6.000	635.682	-3.000			7.568	634.636	-1.046

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				
	Distância	Cota	Altura	Offset	Banqueta	Distância	Cota	Distância	Bordo	%	Distância	Cota	Vermeilha	Cota	%	Distância	Cota	Distância	Cota	Offset
284	6.917	634.864	-0.611			6.000	635.475	-3.000	634.271	635.655	-1.384	6.000	635.475	-3.000		7.370	634.562	-0.913		
285	7.325	634.380	-0.883			6.000	635.263	-3.000	634.074	635.443	-1.369	6.000	635.263	-3.000		7.373	634.348	-0.915		
286	7.563	634.003	-1.042			6.000	635.045	-3.000	633.875	635.225	-1.350	6.000	635.045	-3.000		7.607	633.974	-1.071		
287	7.068	634.110	-0.712			6.000	634.822	-3.000	633.678	635.002	-1.324	6.000	634.822	-3.000		7.246	633.991	-0.831		
288	6.978	633.941	-0.652			6.000	634.593	-3.000	633.453	634.773	-1.320	6.000	634.593	-3.000		7.437	633.635	-0.958		
289	6.906	633.754	-0.604			6.000	634.358	-3.000	633.284	634.538	-1.274	6.000	634.358	-3.000		7.288	633.499	-0.859		
290	6.845	633.555	-0.564			6.000	634.119	-3.000	633.115	634.299	-1.184	6.000	634.119	-3.000		6.981	633.465	-0.654		
291	6.865	633.296	-0.577			6.000	633.873	-3.000	632.986	634.053	-1.067	6.000	633.873	-3.000		7.192	633.078	-0.795		
292	6.792	633.094	-0.528			6.000	633.622	-3.000	633.064	633.802	-0.738	6.000	633.622	-3.000		6.675	633.172	-0.450		
293	6.658	632.928	-0.438			6.000	633.366	-3.000	632.753	633.546	-0.793	6.000	633.366	-3.000		7.057	632.662	-0.704		
294	6.124	633.022	-0.082			6.000	633.104	-3.000	632.864	633.284	-0.420	6.000	633.104	-3.000		6.507	632.766	-0.338		
295	6.065	632.905	0.065			6.000	632.840	-3.000	632.736	633.020	-0.284	6.000	632.840	-3.000		6.293	632.645	-0.195		
296	6.061	632.534	-0.041			6.000	632.575	-3.000	632.444	632.755	-0.311	6.000	632.575	-3.000		6.260	632.401	-0.174		
297	6.452	632.009	-0.302			6.000	632.311	-3.000	631.828	632.491	-0.663	6.000	632.311	-3.000		6.372	632.063	-0.248		
298	6.814	631.503	-0.543			6.000	632.046	-3.000	631.279	632.226	-0.947	6.000	632.046	-3.000		7.319	631.167	-0.879		
299	6.987	631.124	-0.658			6.000	631.782	-3.000	631.036	631.962	-0.926	6.000	631.782	-3.000		7.009	631.110	-0.672		
300	6.598	631.118	-0.399			6.000	631.517	-3.000	630.823	631.697	-0.874	6.000	631.517	-3.000		6.750	631.017	-0.500		
301	6.573	630.871	-0.382			6.000	631.253	-3.000	630.588	631.433	-0.845	6.000	631.253	-3.000		7.019	630.574	-0.679		
302	6.559	630.615	-0.373			6.000	630.988	-3.000	630.342	631.168	-0.826	6.000	630.988	-3.000		6.689	630.529	-0.459		
303	6.572	630.343	-0.381			6.000	630.724	-3.000	630.127	630.904	-0.777	6.000	630.724	-3.000		6.686	630.267	-0.457		
304	6.525	630.109	-0.350			6.000	630.459	-3.000	629.898	630.639	-0.741	6.000	630.459	-3.000		6.743	629.964	-0.495		
305	6.579	629.809	-0.386			6.000	630.195	-3.000	629.699	630.375	-0.676	6.000	630.195	-3.000		6.751	629.695	-0.500		
306	6.330	629.710	-0.220			6.000	629.930	-3.000	629.491	630.110	-0.619	6.000	629.930	-3.000		6.621	629.516	-0.414		
307	6.215	629.523	-0.143			6.000	629.666	-3.000	629.297	629.846	-0.549	6.000	629.666	-3.000		6.511	629.325	-0.341		
308	6.353	629.166	-0.235			6.000	629.401	-3.000	629.105	629.581	-0.476	6.000	629.401	-3.000		6.458	629.095	-0.306		
309	6.128	629.052	-0.085			6.000	629.137	-3.000	629.054	629.317	-0.263	6.000	629.137	-3.000		6.017	629.154	0.017		
310	6.220	629.092	0.220			6.000	628.872	-3.000	629.159	629.052	0.107	6.000	628.872	-3.000		6.321	629.193	0.321		
311	6.345	628.952	0.345			6.000	628.607	-3.000	628.866	628.787	0.079	6.000	628.607	-3.000		6.430	629.037	0.430		
312	6.068	628.411	0.068			6.000	628.343	-3.000	628.355	628.523	-0.168	6.000	628.343	-3.000		6.319	628.662	0.319		
313	6.169	627.965	-0.113			6.000	628.078	-3.000	627.729	628.258	-0.529	6.000	628.078	-3.000		6.332	627.856	-0.222		
314	6.420	627.534	-0.280			6.000	627.814	-3.000	627.280	627.994	-0.714	6.000	627.814	-3.000		6.511	627.473	-0.341		
315	6.526	627.198	-0.351			6.000	627.549	-3.000	627.025	627.729	-0.704	6.000	627.549	-3.000		6.373	627.300	-0.249		
316	6.329	627.066	-0.219			6.000	627.285	-3.000	626.775	627.465	-0.690	6.000	627.285	-3.000		6.515	626.942	-0.343		
317	6.636	626.596	-0.424			6.000	627.020	-3.000	626.560	627.200	-0.640	6.000	627.020	-3.000		6.581	626.633	-0.387		
318	6.667	626.311	-0.445			6.000	626.756	-3.000	626.297	626.936	-0.639	6.000	626.756	-3.000		6.462	626.448	-0.308		
319	6.377	626.240	-0.251			6.000	626.491	-3.000	626.011	626.671	-0.660	6.000	626.491	-3.000		6.639	626.065	-0.426		
320	6.355	625.990	-0.237			6.000	626.227	-3.000	625.760	626.407	-0.647	6.000	626.227	-3.000		6.467	625.916	-0.311		
321	6.437	625.670	-0.292			6.000	625.962	-3.000	625.545	626.142	-0.597	6.000	625.962	-3.000		6.440	625.669	-0.293		
322	6.400	625.432	-0.266			6.000	625.698	-3.000	625.323	625.878	-0.555	6.000	625.698	-3.000		6.048	625.666	-0.032		
323	6.421	625.152	-0.281			6.000	625.433	-3.000	625.107	625.613	-0.506	6.000	625.433	-3.000		6.562	625.058	-0.375		
324	6.210	625.029	-0.140			6.000	625.169	-3.000	624.988	625.349	-0.361	6.000	625.169	-3.000		6.548	624.804	-0.365		
325	6.208	625.112	0.208			6.000	624.904	-3.000	625.104	625.084	0.020	6.000	624.904	-3.000		6.062	624.966	0.062		
326	6.106	624.569	-0.071			6.000	624.640	-3.000	624.668	624.820	-0.152	6.000	624.640	-3.000		6.108	624.588	-0.072		
327	6.268	624.196	-0.179			6.000	624.375	-3.000	624.184	624.555	-0.371	6.000	624.375	-3.000		6.052	624.341	-0.034		
328	6.645	623.681	-0.430			6.000	624.111	-3.000	623.548	624.291	-0.743	6.000	624.111	-3.000		6.825	623.561	-0.550		
329	6.633	623.424	-0.422			6.000	623.846	-3.000	623.220	624.026	-0.806	6.000	623.846	-3.000		6.870	623.266	-0.580		
330	6.633	623.160	-0.422			6.000	623.582	-3.000	622.922	623.762	-0.840	6.000	623.582	-3.000		6.835	623.026	-0.556		
331	6.754	622.814	-0.503			6.000	623.317	-3.000	622.633	623.497	-0.864	6.000	623.317	-3.000		7.101	622.583	-0.734		
332	6.639	622.494	-0.559			6.000	623.053	-3.000	622.346	623.233	-0.887	6.000	623.053	-3.000		7.070	622.339	-0.714		
333	6.872	622.207	-0.581			6.000	622.788	-3.000	622.056	622.968	-0.912	6.000	622.788	-3.000		6.981	622.134	-0.654		
334	6.884	621.932	-0.589			6.000	622.521	-3.000	621.996	622.701	-0.705	6.000	622.521	-3.000		6.811	621.980	-0.541		
335	6.652	621.815	-0.435			6.000	622.250	-3.000	621.938	622.430	-0.492	6.000	622.250	-3.000		6.611	621.843	-0.407		
336	6.068	621.929	-0.045			6.000	621.974	-3.000	621.809	622.154	-0.345	6.000	621.974	-3.000		6.331	621.753	-0.221		
337	6.863	621.118	-0.576			6.000	621.694	-3.000	621.159	621.874	-0.715	6.000	621.694	-3.000		6.540	621.334	-0.360		
338	7.185	620.620	-0.790			6.000	621.410	-3.000	620.566	621.590	-1.024	6.000	621.410	-3.000		7.362	620.502	-0.908		
339	7.285	620.264	-0.857			6.000	621.121	-3.000	620.163	621.301	-1.138	6.000	621.121	-3.000		7.752	619.953	-1.168		
340	7.371	619.913	-0.914			6.000	620.827	-3.000	619.806	621.007	-1.201	6.000	620.827	-3.000		7.909	619.555	-1.272		
341	7.358	619.624	-0.905			6.000	620.529	-3.000	619.523	620.709	-1.186	6.000	620.529	-3.000		7.385	619.606	-0.923		

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset			
	Distância	Cota	Altura	Offset	Distância	Cota	Terreno	Cota	Projeto	Cota	Vermeilha	Distância	Cota	%	Bordo	Distância	Cota	Distância	Cota	Offset
342	7.294	619.364	-0.863		6.000	620.227	-3.000	619.207	620.407	-1.200		6.000	620.227	-3.000	6.000	620.227	-3.000	6.887	619.636	-0.591
343	7.492	618.926	-0.994		6.000	619.920	-3.000	618.773	620.100	-1.327		6.000	619.920	-3.000	6.000	619.920	-3.000	7.240	619.093	-0.827
344	7.588	618.549	-1.059		6.000	619.608	-3.000	618.445	619.788	-1.343		6.000	619.608	-3.000	6.000	619.608	-3.000	7.283	618.753	-0.855
345	7.479	618.306	-0.986		6.000	619.292	-3.000	618.170	619.472	-1.302		6.000	619.292	-3.000	6.000	619.292	-3.000	7.310	618.419	-0.873
346	7.441	618.011	-0.961		6.000	618.972	-3.000	617.942	619.152	-1.210		6.000	618.972	-3.000	6.000	618.972	-3.000	7.312	618.097	-0.875
347	7.391	617.720	-0.927		6.000	618.647	-3.000	617.864	618.827	-0.963		6.000	618.647	-3.000	6.000	618.647	-3.000	7.321	617.767	-0.880
348	7.733	617.163	-1.155		6.000	618.318	-3.000	617.796	618.498	-0.702		6.000	618.318	-3.000	6.000	618.318	-3.000	6.866	617.741	-0.577
349	6.838	617.425	-0.559		6.000	617.984	-3.000	617.520	618.164	-0.644		6.000	617.984	-3.000	6.000	617.984	-3.000	13.900	230.042	17.900
350	7.415	616.703	-0.943		6.000	617.646	-3.000	616.801	617.826	-1.222		6.000	617.646	-3.000	6.000	617.646	-3.000	13.900	229.887	17.900
351	7.430	616.351	-0.953		6.000	617.304	-3.000	616.262	617.484	-1.225		6.000	617.304	-3.000	6.000	617.304	-3.000	13.900	229.496	17.900
352	7.489	615.963	-0.993		6.000	616.956	-3.000	615.798	617.136	-1.338		6.000	616.956	-3.000	6.000	616.956	-3.000	13.900	228.879	17.900
353	7.949	615.306	-1.299		6.000	616.605	-3.000	615.502	616.785	-1.283		6.000	616.605	-3.000	6.000	616.605	-3.000	13.900	228.119	17.900
354	7.728	615.097	-1.152		6.000	616.249	-3.000	614.975	616.429	-1.454		6.000	616.249	-3.000	6.000	616.249	-3.000	13.900	227.216	17.900
355	7.490	614.895	-0.993		6.000	615.888	-3.000	614.592	616.068	-1.476		6.000	615.888	-3.000	6.000	615.888	-3.000	13.900	226.198	17.900
356	7.461	614.549	-0.974		6.000	615.523	-3.000	614.200	615.703	-1.503		6.000	615.523	-3.000	6.000	615.523	-3.000			
357	7.511	614.147	-1.007		6.000	615.154	-3.000	613.848	615.334	-1.486		6.000	615.154	-3.000	6.000	615.154	-3.000			
358	7.448	613.817	-0.965		6.000	614.782	-3.000	613.479	614.962	-1.483		6.000	614.782	-3.000	6.000	614.782	-3.000			
359	7.339	613.518	-0.893		6.000	614.411	-3.000	613.209	614.391	-1.382		6.000	614.411	-3.000	6.000	614.411	-3.000			
360	7.354	613.136	-0.903		6.000	614.039	-3.000	612.848	614.219	-1.371		6.000	614.039	-3.000	6.000	614.039	-3.000			
361	7.289	612.808	-0.859		6.000	613.667	-3.000	612.493	613.847	-1.354		6.000	613.667	-3.000	6.000	613.667	-3.000			
362	7.219	612.483	-0.813		6.000	613.296	-3.000	612.125	613.476	-1.351		6.000	613.296	-3.000	6.000	613.296	-3.000			
363	7.341	612.030	-0.894		6.000	612.924	-3.000	611.813	613.104	-1.291		6.000	612.924	-3.000	6.000	612.924	-3.000			
364	7.193	611.757	-0.795		6.000	612.552	-3.000	611.453	612.732	-1.279		6.000	612.552	-3.000	6.000	612.552	-3.000			
365	7.079	611.462	-0.719		6.000	612.181	-3.000	611.052	612.361	-1.309		6.000	612.181	-3.000	6.000	612.181	-3.000			
366	6.961	611.168	-0.641		6.000	611.809	-3.000	610.835	611.989	-1.154		6.000	611.809	-3.000	6.000	611.809	-3.000			
367	6.847	610.872	-0.565		6.000	611.437	-3.000	610.823	611.617	-0.794		6.000	611.437	-3.000	6.000	611.437	-3.000			
368	6.900	610.466	-0.600		6.000	611.066	-3.000	610.593	611.246	-0.653		6.000	611.066	-3.000	6.000	611.066	-3.000			
369	6.476	610.377	-0.317		6.000	610.694	-3.000	610.366	610.874	-0.508		6.000	610.694	-3.000	6.000	610.694	-3.000			
370	6.944	609.693	-0.629		6.000	610.322	-3.000	609.728	610.502	-0.774		6.000	610.322	-3.000	6.000	610.322	-3.000			
371	6.613	609.542	-0.409		6.000	609.951	-3.000	608.991	610.131	-1.140		6.000	609.951	-3.000	6.000	609.951	-3.000			
372	6.611	609.172	-0.407		6.000	609.579	-3.000	608.584	609.759	-1.175		6.000	609.579	-3.000	6.000	609.579	-3.000			
373	6.811	608.666	-0.541		6.000	609.207	-3.000	608.159	609.387	-1.228		6.000	609.207	-3.000	6.000	609.207	-3.000			
374	6.751	608.351	-0.501		6.000	608.852	-3.000	607.674	609.032	-1.358		6.000	608.852	-3.000	6.000	608.852	-3.000			
375	7.005	607.858	-0.670		6.000	608.528	-3.000	607.092	608.708	-1.626		6.000	608.528	-3.000	6.000	608.528	-3.000			
376	7.962	606.928	-1.308		6.000	608.236	-3.000	606.604	608.416	-1.812		6.000	608.236	-3.000	6.000	608.236	-3.000			
377	9.202	605.843	-2.134		6.000	607.977	-3.000	606.114	608.157	-2.043		6.000	607.977	-3.000	6.000	607.977	-3.000			
378	9.952	605.114	-2.635		6.000	607.749	-3.000	605.645	607.929	-2.284		6.000	607.749	-3.000	6.000	607.749	-3.000			
379	9.486	605.229	-2.324		6.000	607.553	-3.000	605.346	607.733	-2.387		6.000	607.553	-3.000	6.000	607.553	-3.000			
380	9.757	604.886	-2.504		6.000	607.390	-3.000	605.147	607.570	-2.423		6.000	607.390	-3.000	6.000	607.390	-3.000			
381	9.537	604.900	-2.358		6.000	607.258	-3.000	605.370	607.438	-2.068		6.000	607.258	-3.000	6.000	607.258	-3.000			
382	8.810	605.285	-1.873		6.000	607.158	-3.000	605.674	607.338	-1.664		6.000	607.158	-3.000	6.000	607.158	-3.000			
383	7.602	606.023	-1.068		6.000	607.091	-3.000	605.864	607.271	-1.407		6.000	607.091	-3.000	6.000	607.091	-3.000			
384	6.720	606.575	-0.480		6.000	607.055	-3.000	605.956	607.235	-1.279		6.000	607.055	-3.000	6.000	607.055	-3.000			
385	6.619	606.638	-0.413		6.000	607.051	-3.000	606.235	607.231	-0.996		6.000	607.051	-3.000	6.000	607.051	-3.000			
386	6.509	606.740	-0.339		6.000	607.079	-3.000	606.871	607.259	-0.388		6.000	607.079	-3.000	6.000	607.079	-3.000			
387	6.081	607.086	-0.054		6.000	607.140	-3.000	607.121	607.320	-0.199		6.000	607.140	-3.000	6.000	607.140	-3.000			
388	6.311	607.025	-0.207		6.000	607.356	-3.000	606.566	607.536	-0.970		6.000	607.356	-3.000	6.000	607.356	-3.000			
389	6.454	607.053	-0.303		6.000	607.496	-3.000	606.825	607.676	-1.053		6.000	607.496	-3.000	6.000	607.496	-3.000			
390	6.707	607.025	-0.471		6.000	607.637	-3.000	606.680	607.817	-1.137		6.000	607.637	-3.000	6.000	607.637	-3.000			
391	6.844	607.074	-0.563		6.000	607.777	-3.000	606.797	607.957	-1.160		6.000	607.777	-3.000	6.000	607.777	-3.000			
392	6.915	607.167	-0.610		6.000	607.917	-3.000	606.877	608.097	-1.220		6.000	607.917	-3.000	6.000	607.917	-3.000			
393	6.953	607.282	-0.635		6.000	608.057	-3.000	606.914	608.237	-1.323		6.000	608.057	-3.000	6.000	608.057	-3.000			
394	6.990	607.397	-0.660		6.000	608.198	-3.000	607.087	608.378	-1.291		6.000	608.198	-3.000	6.000	608.198	-3.000			
395	7.034	607.509	-0.689		6.000	608.338	-3.000	607.204	608.518	-1.314		6.000	608.338	-3.000	6.000	608.338	-3.000			
396	7.023	607.656	-0.682		6.000	608.478	-3.000	607.325	608.658	-1.333		6.000	608.478	-3.000	6.000	608.478	-3.000			
397	6.972	608.042	-0.576		6.000	608.618	-3.000	607.490	608.798	-1.308		6.000	608.618	-3.000	6.000	608.618	-3.000			
398	6.864	608.042	-0.576		6.000	608.759	-3.000	607.724	608.939	-1.215		6.000	608.759	-3.000	6.000	608.759	-3.000			
399	6.850	608.193	-0.566		6.000	608.759	-3.000	607.724	608.939	-1.215		6.000	608.759	-3.000	6.000	608.759	-3.000			

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset			
	Distância	Cota	Altura	Offset	Distância	Cota	Altura	Offset	Distância	Cota	Altura	Offset	Distância	Cota	Altura	Offset	Distância	Cota	Altura	Offset
400	7.014	608.223	-0.676		6.000	608.899	-3.000	608.104	609.079	-0.975	6.000	608.899	-3.000	6.000	608.899	-3.000	6.929	608.280	-0.619	
401	6.078	608.987	-0.052		6.000	609.039	-3.000	608.814	609.219	-0.405	6.000	609.039	-3.000	6.000	609.039	-3.000	6.270	608.859	-0.180	
402	6.169	609.066	-0.113		6.000	609.179	-3.000	608.961	609.359	-0.398	6.000	609.179	-3.000	6.000	609.179	-3.000	6.293	608.983	-0.196	
403	6.451	609.019	-0.301		6.000	609.320	-3.000	608.740	609.500	-0.760	6.000	609.320	-3.000	6.000	609.320	-3.000	6.718	608.841	-0.479	
404	6.658	609.022	-0.438		6.000	609.460	-3.000	609.033	609.640	-0.607	6.000	609.460	-3.000	6.000	609.460	-3.000	7.112	608.719	-0.741	
405	6.562	609.225	-0.375		6.000	609.600	-3.000	608.780	609.780	-1.059	6.000	609.600	-3.000	6.000	609.600	-3.000	7.273	608.752	-0.848	
406	6.542	609.380	-0.361		6.000	609.741	-3.000	608.852	609.921	-1.069	6.000	609.741	-3.000	6.000	609.741	-3.000	7.370	608.828	-0.913	
407	6.536	609.524	-0.357		6.000	609.881	-3.000	609.031	610.061	-1.030	6.000	609.881	-3.000	6.000	609.881	-3.000	7.246	609.050	-0.831	
408	6.402	609.753	-0.268		6.000	610.021	-3.000	609.189	610.201	-1.012	6.000	610.021	-3.000	6.000	610.021	-3.000	7.320	609.141	-0.880	
409	6.471	609.847	-0.314		6.000	610.161	-3.000	609.337	610.341	-1.004	6.000	610.161	-3.000	6.000	610.161	-3.000	6.941	609.534	-0.627	
410	6.540	609.942	-0.360		6.000	610.302	-3.000	609.508	610.482	-0.974	6.000	610.302	-3.000	6.000	610.302	-3.000	7.201	609.501	-0.801	
411	6.379	610.189	-0.253		6.000	610.442	-3.000	609.723	610.622	-0.899	6.000	610.442	-3.000	6.000	610.442	-3.000	7.077	609.724	-0.718	
412	6.695	610.119	-0.463		6.000	610.582	-3.000	609.835	610.762	-0.927	6.000	610.582	-3.000	6.000	610.582	-3.000	6.733	610.093	-0.489	
413	6.330	610.502	-0.220		6.000	610.722	-3.000	609.970	610.902	-0.932	6.000	610.722	-3.000	6.000	610.722	-3.000	7.101	609.988	-0.734	
414	6.318	610.651	-0.212		6.000	610.863	-3.000	610.154	611.043	-0.889	6.000	610.863	-3.000	6.000	610.863	-3.000	6.981	610.209	-0.654	
415	6.606	610.599	-0.404		6.000	611.003	-3.000	610.317	611.183	-0.866	6.000	611.003	-3.000	6.000	611.003	-3.000	7.190	610.209	-0.794	
416	6.450	610.843	-0.300		6.000	611.143	-3.000	610.477	611.323	-0.846	6.000	611.143	-3.000	6.000	611.143	-3.000	7.123	610.395	-0.748	
417	6.747	610.785	-0.498		6.000	611.283	-3.000	610.598	611.463	-0.865	6.000	611.283	-3.000	6.000	611.283	-3.000	6.712	610.809	-0.474	
418	6.738	610.932	-0.492		6.000	611.424	-3.000	610.746	611.604	-0.858	6.000	611.424	-3.000	6.000	611.424	-3.000	7.051	610.724	-0.700	
419	6.102	611.496	-0.068		6.000	611.564	-3.000	611.060	611.744	-0.684	6.000	611.564	-3.000	6.000	611.564	-3.000	6.492	611.236	-0.328	
420	6.295	611.507	-0.197		6.000	611.704	-3.000	611.339	611.884	-0.545	6.000	611.704	-3.000	6.000	611.704	-3.000	6.718	611.226	-0.478	
421	6.049	611.893	0.049		6.000	611.844	-3.000	611.980	612.024	-0.044	6.000	611.844	-3.000	6.000	611.844	-3.000	6.015	611.834	-0.010	
422	6.237	612.222	0.237		6.000	611.985	-3.000	612.135	612.165	-0.030	6.000	611.985	-3.000	6.000	611.985	-3.000	6.043	612.028	0.043	
423	6.035	612.160	0.035		6.000	612.125	-3.000	611.932	612.305	-0.373	6.000	612.125	-3.000	6.000	612.125	-3.000	6.395	611.862	-0.263	
424	6.004	612.269	0.004		6.000	612.265	-3.000	611.815	612.445	-0.630	6.000	612.265	-3.000	6.000	612.265	-3.000	6.553	611.896	-0.369	
425	6.236	612.248	-0.157		6.000	612.405	-3.000	611.967	612.585	-0.618	6.000	612.405	-3.000	6.000	612.405	-3.000	6.591	612.011	-0.394	
426	6.386	612.288	-0.258		6.000	612.546	-3.000	612.093	612.726	-0.633	6.000	612.546	-3.000	6.000	612.546	-3.000	6.738	612.054	-0.492	
427	6.439	612.393	-0.293		6.000	612.686	-3.000	612.220	612.866	-0.646	6.000	612.686	-3.000	6.000	612.686	-3.000	6.248	612.521	-0.165	
428	6.256	612.655	-0.171		6.000	612.826	-3.000	612.370	613.006	-0.636	6.000	612.826	-3.000	6.000	612.826	-3.000	6.653	612.391	-0.435	
429	6.574	612.583	-0.383		6.000	612.966	-3.000	612.518	613.146	-0.628	6.000	612.966	-3.000	6.000	612.966	-3.000	6.843	612.404	-0.562	
430	6.498	612.775	-0.332		6.000	613.107	-3.000	612.632	613.287	-0.655	6.000	613.107	-3.000	6.000	613.107	-3.000	6.571	612.727	-0.380	
431	6.567	612.869	-0.378		6.000	613.247	-3.000	612.729	613.427	-0.698	6.000	613.247	-3.000	6.000	613.247	-3.000	6.573	612.865	-0.382	
432	6.499	613.054	-0.333		6.000	613.387	-3.000	612.898	613.567	-0.669	6.000	613.387	-3.000	6.000	613.387	-3.000	6.875	612.804	-0.583	
433	6.494	613.198	-0.329		6.000	613.527	-3.000	613.058	613.707	-0.649	6.000	613.527	-3.000	6.000	613.527	-3.000	6.795	612.997	-0.530	
434	6.666	613.224	-0.444		6.000	613.668	-3.000	613.175	613.848	-0.673	6.000	613.668	-3.000	6.000	613.668	-3.000	6.973	613.019	-0.649	
435	6.636	613.384	-0.424		6.000	613.808	-3.000	613.307	613.988	-0.681	6.000	613.808	-3.000	6.000	613.808	-3.000	6.598	613.409	-0.399	
436	6.698	613.482	-0.466		6.000	613.948	-3.000	613.407	614.128	-0.721	6.000	613.948	-3.000	6.000	613.948	-3.000	6.768	613.436	-0.512	
437	6.685	613.631	-0.457		6.000	614.088	-3.000	613.463	614.268	-0.805	6.000	614.088	-3.000	6.000	614.088	-3.000	6.900	613.488	-0.600	
438	6.789	613.703	-0.526		6.000	614.229	-3.000	613.571	614.409	-0.838	6.000	614.229	-3.000	6.000	614.229	-3.000	7.041	613.535	-0.694	
439	6.973	613.720	-0.649		6.000	614.369	-3.000	613.659	614.549	-0.890	6.000	614.369	-3.000	6.000	614.369	-3.000	6.877	613.784	-0.585	
440	7.005	613.839	-0.670		6.000	614.509	-3.000	613.853	614.689	-0.836	6.000	614.509	-3.000	6.000	614.509	-3.000	7.037	613.818	-0.691	
441	6.628	614.231	-0.418		6.000	614.649	-3.000	614.327	614.829	-0.502	6.000	614.649	-3.000	6.000	614.649	-3.000	6.777	614.131	-0.518	
442	6.309	614.584	-0.206		6.000	614.790	-3.000	614.497	614.970	-0.473	6.000	614.790	-3.000	6.000	614.790	-3.000	6.747	614.292	-0.498	
443	6.642	614.496	-0.428		6.000	615.046	-3.000	614.162	615.226	-1.064	6.000	615.046	-3.000	6.000	615.046	-3.000	7.309	614.174	-0.872	
444	7.151	614.279	-0.767		6.000	615.155	-3.000	614.268	615.335	-1.067	6.000	615.155	-3.000	6.000	615.155	-3.000	7.084	614.432	-0.723	
445	6.977	614.504	-0.651		6.000	615.253	-3.000	614.299	615.433	-1.074	6.000	615.253	-3.000	6.000	615.253	-3.000	7.129	614.500	-0.753	
446	7.108	614.514	-0.739		6.000	615.338	-3.000	614.444	615.518	-1.074	6.000	615.338	-3.000	6.000	615.338	-3.000	7.271	614.491	-0.847	
447	7.235	614.515	-0.823		6.000	615.411	-3.000	614.575	615.591	-1.016	6.000	615.411	-3.000	6.000	615.411	-3.000	7.172	614.630	-0.781	
448	7.320	614.531	-0.880		6.000	615.471	-3.000	614.680	615.651	-0.971	6.000	615.471	-3.000	6.000	615.471	-3.000	7.002	614.803	-0.668	
449	7.068	614.759	-0.712		6.000	615.520	-3.000	614.821	615.700	-0.879	6.000	615.520	-3.000	6.000	615.520	-3.000	7.009	614.847	-0.673	
450	6.744	615.024	-0.496		6.000	615.562	-3.000	614.919	615.742	-0.823	6.000	615.562	-3.000	6.000	615.562	-3.000	6.990	614.902	-0.660	
451	7.073	614.847	-0.715		6.000	615.604	-3.000	614.965	615.784	-0.819	6.000	615.604	-3.000	6.000	615.604	-3.000	7.039	614.912	-0.692	
452	7.075	614.887	-0.717		6.000	615.646	-3.000	614.943	615.826	-0.883	6.000	615.646	-3.000	6.000	615.646	-3.000	7.005	614.976	-0.670	
453	7.035	614.956	-0.690		6.000	615.689	-3.000	614.973	615.969	-0.896	6.000	615.689	-3.000	6.0						

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito							
	Distância	Cota	Altura	Offset	Bordo	%	Cota	Projeto	Cota	Vermeilha	Cota	Altura				
458	6.866	615.281	-0.577		6.000	615.858	-3.000	615.057	616.038	-0.981	6.000	615.858	-3.000	7.342	614.964	-0.894
459	6.885	615.310	-0.590		6.000	615.900	-3.000	615.159	616.080	-0.921	6.000	615.900	-3.000	7.224	615.084	-0.816
460	6.871	615.361	-0.581		6.000	615.942	-3.000	615.216	616.122	-0.906	6.000	615.942	-3.000	7.398	615.010	-0.932
461	6.834	615.429	-0.556		6.000	615.985	-3.000	615.266	616.165	-0.899	6.000	615.985	-3.000	6.993	615.323	-0.662
462	6.839	615.468	-0.559		6.000	616.027	-3.000	615.284	616.207	-0.943	6.000	616.027	-3.000	7.449	615.081	-0.966
463	6.864	615.493	-0.576		6.000	616.069	-3.000	615.357	616.249	-0.892	6.000	616.069	-3.000	7.374	615.153	-0.916
464	6.867	615.533	-0.578		6.000	616.111	-3.000	615.435	616.291	-0.856	6.000	616.111	-3.000	6.765	615.601	-0.510
465	6.860	615.714	-0.440		6.000	616.154	-3.000	615.493	616.334	-0.841	6.000	616.154	-3.000	7.310	615.281	-0.873
466	6.731	615.709	-0.487		6.000	616.196	-3.000	615.576	616.376	-0.800	6.000	616.196	-3.000	7.270	615.349	-0.847
467	6.667	615.794	-0.444		6.000	616.238	-3.000	615.602	616.418	-0.816	6.000	616.238	-3.000	7.085	615.515	-0.723
468	6.656	615.843	-0.437		6.000	616.280	-3.000	615.640	616.460	-0.820	6.000	616.280	-3.000	7.255	615.443	-0.837
469	6.663	615.881	-0.442		6.000	616.323	-3.000	615.693	616.503	-0.810	6.000	616.323	-3.000	6.807	615.785	-0.538
470	6.600	615.965	-0.400		6.000	616.365	-3.000	615.767	616.545	-0.778	6.000	616.365	-3.000	7.172	615.584	-0.781
471	6.639	615.981	-0.426		6.000	616.407	-3.000	615.855	616.587	-0.732	6.000	616.407	-3.000	7.006	615.736	-0.671
472	6.626	616.033	-0.417		6.000	616.450	-3.000	615.869	616.630	-0.761	6.000	616.450	-3.000	7.140	615.690	-0.760
473	6.778	615.973	-0.519		6.000	616.492	-3.000	615.913	616.672	-0.759	6.000	616.492	-3.000	7.217	615.681	-0.811
474	6.579	616.148	-0.386		6.000	616.534	-3.000	615.951	616.714	-0.763	6.000	616.534	-3.000	6.933	615.912	-0.622
475	6.509	616.237	-0.339		6.000	616.576	-3.000	615.986	616.756	-0.770	6.000	616.576	-3.000	7.065	615.866	-0.710
476	6.615	616.209	-0.410		6.000	616.619	-3.000	616.119	616.799	-0.680	6.000	616.619	-3.000	6.832	616.064	-0.555
477	6.071	616.614	-0.047		6.000	616.661	-3.000	616.520	616.841	-0.321	6.000	616.661	-3.000	6.340	616.434	-0.227
478	6.161	616.596	-0.107		6.000	616.703	-3.000	616.625	616.883	-0.258	6.000	616.703	-3.000	6.520	616.356	-0.347
479	6.409	616.473	-0.272		6.000	616.745	-3.000	616.348	616.925	-0.577	6.000	616.745	-3.000	6.968	616.100	-0.645
480	6.411	616.514	-0.274		6.000	616.788	-3.000	616.281	616.968	-0.687	6.000	616.788	-3.000	6.701	616.321	-0.467
481	6.430	616.544	-0.286		6.000	616.830	-3.000	616.350	617.010	-0.660	6.000	616.830	-3.000	7.041	616.136	-0.694
482	6.590	616.479	-0.393		6.000	616.872	-3.000	616.391	617.052	-0.661	6.000	616.872	-3.000	7.135	616.116	-0.756
483	6.454	616.611	-0.303		6.000	616.914	-3.000	616.447	617.094	-0.647	6.000	616.914	-3.000	7.092	616.186	-0.728
484	6.448	616.658	-0.299		6.000	616.957	-3.000	616.473	617.137	-0.664	6.000	616.957	-3.000	7.089	616.231	-0.726
485	6.502	616.664	-0.335		6.000	616.999	-3.000	616.516	617.179	-0.663	6.000	616.999	-3.000	6.572	616.618	-0.381
486	6.573	616.659	-0.382		6.000	617.041	-3.000	616.641	617.221	-0.580	6.000	617.041	-3.000	6.862	616.466	-0.575
487	6.367	616.839	-0.245		6.000	617.084	-3.000	616.688	617.264	-0.576	6.000	617.084	-3.000	6.874	616.501	-0.583
488	6.463	616.817	-0.309		6.000	617.126	-3.000	616.748	617.306	-0.558	6.000	617.126	-3.000	6.673	616.677	-0.449
489	6.436	616.878	-0.290		6.000	617.168	-3.000	616.781	617.348	-0.567	6.000	617.168	-3.000	6.649	616.735	-0.433
490	6.596	616.813	-0.397		6.000	617.210	-3.000	616.848	617.390	-0.542	6.000	617.210	-3.000	6.502	616.875	-0.335
491	6.544	616.891	-0.362		6.000	617.253	-3.000	616.887	617.433	-0.546	6.000	617.253	-3.000	6.529	616.900	-0.353
492	6.373	617.046	-0.249		6.000	617.295	-3.000	616.906	617.475	-0.569	6.000	617.295	-3.000	6.814	616.752	-0.543
493	6.486	617.013	-0.324		6.000	617.337	-3.000	616.987	617.517	-0.530	6.000	617.337	-3.000	6.790	616.810	-0.527
494	6.475	617.062	-0.317		6.000	617.379	-3.000	617.072	617.559	-0.487	6.000	617.379	-3.000	6.603	616.977	-0.402
495	6.431	617.135	-0.287		6.000	617.422	-3.000	617.138	617.602	-0.464	6.000	617.422	-3.000	6.713	616.947	-0.475
496	6.386	617.207	-0.257		6.000	617.464	-3.000	617.235	617.644	-0.409	6.000	617.464	-3.000	6.523	617.116	-0.348
497	6.348	617.274	-0.232		6.000	617.506	-3.000	617.220	617.686	-0.466	6.000	617.506	-3.000	6.686	617.049	-0.457
498	6.399	617.294	-0.266		6.000	617.560	-3.000	617.313	617.740	-0.427	6.000	617.560	-3.000	6.516	617.216	-0.344
499	6.393	617.376	-0.262		6.000	617.638	-3.000	617.434	617.818	-0.384	6.000	617.638	-3.000	6.383	617.382	-0.256
500	6.307	617.535	-0.205		6.000	617.740	-3.000	617.539	617.920	-0.381	6.000	617.740	-3.000	6.374	617.491	-0.249
501	6.057	617.827	-0.038		6.000	617.865	-3.000	618.009	618.045	-0.036	6.000	617.865	-3.000	6.202	617.731	-0.134
502	6.037	618.040	0.037		6.000	618.003	-3.000	618.091	618.183	-0.072	6.000	618.003	-3.000	6.160	617.896	-0.107
503	6.351	617.906	-0.234		6.000	618.140	-3.000	617.975	618.320	-0.345	6.000	618.140	-3.000	6.494	617.811	-0.329
504	6.351	618.043	-0.234		6.000	618.277	-3.000	617.861	618.457	-0.596	6.000	618.277	-3.000	6.802	617.742	-0.535
505	6.439	618.121	-0.293		6.000	618.414	-3.000	617.976	618.594	-0.618	6.000	618.414	-3.000	6.627	617.996	-0.418
506	6.456	618.248	-0.304		6.000	618.552	-3.000	618.118	618.732	-0.614	6.000	618.552	-3.000	7.035	617.862	-0.690
507	6.631	618.268	-0.421		6.000	618.689	-3.000	618.234	618.869	-0.635	6.000	618.689	-3.000	7.017	618.011	-0.681
508	6.800	618.293	-0.533		6.000	618.826	-3.000	618.373	619.006	-0.633	6.000	618.826	-3.000	7.021	618.145	-0.681
509	6.619	618.551	-0.413		6.000	618.964	-3.000	618.451	619.144	-0.693	6.000	618.964	-3.000	6.714	618.488	-0.476
510	6.613	618.692	-0.409		6.000	619.101	-3.000	618.605	619.281	-0.676	6.000	619.101	-3.000	6.944	618.472	-0.629
511	6.871	618.657	-0.581		6.000	619.238	-3.000	618.734	619.418	-0.684	6.000	619.238	-3.000	6.762	618.730	-0.508
512	6.978	618.724	-0.652		6.000	619.376	-3.000	618.843	619.556	-0.713	6.000	619.376	-3.000	7.011	618.702	-0.674
513	6.847	618.948	-0.565		6.000	619.513	-3.000	618.957	619.693	-0.736	6.000	619.513	-3.000	7.197	618.715	-0.798
514	6.947	619.019	-0.631		6.000	619.650	-3.000	619.081	619.830	-0.749	6.000	619.650	-3.000	6.910	619.043	-0.607
515	7.003	619.118	-0.669		6.000	619.787	-3.000	619.166	619.967	-0.801	6.000	619.787	-3.000	7.194	618.991	-0.796

Nota de Serviço de Terraplenagem															
Estaca	Lado Esquerdo					Eixo					Lado Direito				
	Distância	Altura	Offset	Distância	Cota	Distância	Cota	%	Bordo	Distância	Cota	Distância	Cota	Offset	
516	7.118	619.180	-0.745	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
517	6.934	619.440	-0.622	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
518	7.136	619.442	-0.757	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
519	7.106	619.600	-0.737	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
520	7.015	619.797	-0.677	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
521	6.183	620.489	-0.122	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
522	6.397	620.483	-0.265	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
523	6.794	620.356	-0.530	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
524	6.678	620.571	-0.452	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
525	6.687	620.702	-0.458	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
526	6.911	620.690	-0.608	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
527	6.963	620.793	-0.642	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
528	6.966	620.928	-0.644	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
529	6.989	621.049	-0.660	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
530	6.909	621.241	-0.606	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
531	6.772	621.470	-0.514	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
532	6.931	621.500	-0.621	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
533	6.955	621.622	-0.637	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
534	7.068	621.684	-0.712	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
535	6.852	621.965	-0.568	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
536	6.427	622.387	-0.284	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
537	6.548	622.442	-0.366	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
538	6.743	622.450	-0.495	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
539	6.814	622.539	-0.543	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
540	7.021	622.539	-0.681	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
541	6.815	622.814	-0.543	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
542	6.822	622.946	-0.548	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
543	7.083	622.910	-0.722	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
544	6.926	623.147	-0.864	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
545	7.296	623.028	-0.864	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
546	7.150	623.245	-0.767	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
547	7.195	623.327	-0.797	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
548	7.263	623.388	-0.842	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
549	7.445	623.365	-0.963	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
550	7.344	623.523	-0.896	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
551	7.407	623.565	-0.938	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
552	7.529	623.561	-1.020	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
553	7.679	623.532	-1.119	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
554	7.560	623.674	-1.040	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
555	7.437	623.812	-0.958	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
556	7.200	624.018	-0.800	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
557	6.931	624.239	-0.621	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
558	7.049	624.196	-0.699	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
559	7.379	624.003	-0.919	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
560	7.395	624.013	-0.930	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
561	7.349	624.057	-0.899	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
562	7.502	623.961	-1.002	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
563	7.455	623.992	-0.970	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
564	7.501	623.953	-1.001	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
565	7.475	623.955	-0.984	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
566	7.393	623.989	-0.929	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
567	7.388	623.962	-0.926	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
568	7.478	623.867	-0.985	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
569	7.355	623.906	-0.903	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
570	7.296	623.895	-0.864	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
571	7.152	623.934	-0.768	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
572	6.906	624.033	-0.604	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	
573	6.782	624.044	-0.522	6.000	620.062	6.000	619.925	-3.000	6.000	619.925	-3.000	6.000	619.925	-3.000	

Nota de Serviço de Terraplenagem																							
Estaca	Lado Esquerdo						Eixo						Lado Direito						Crista de Corte em Rocha				
	Distância	Cota	Altura	Offset	Distância	Cota	Banqueta	Bordo	%	Terreno	Cota	Projeto	Vermeilha	Cota	Bordo	%	Distância	Cota					
574	6.758	623.986	-0.505		6.000	624.491		6.000	624.491	-3.000	623.907	624.671	-0.764	6.000	624.491	-3.000	6.000	624.491	7.071	623.777	-0.714		
575	6.675	623.966	-0.450		6.000	624.416		6.000	624.416	-3.000	623.876	624.596	-0.720	6.000	624.416	-3.000	6.000	624.416	7.245	623.586	-0.830		
576	6.623	623.792	-0.549		6.000	624.341		6.000	624.341	-3.000	623.819	624.521	-0.702	6.000	624.341	-3.000	6.000	624.341	7.186	623.550	-0.791		
577	6.717	623.788	-0.478		6.000	624.266		6.000	624.266	-3.000	623.780	624.446	-0.666	6.000	624.266	-3.000	6.000	624.266	7.133	623.511	-0.755		
578	6.698	623.726	-0.465		6.000	624.191		6.000	624.191	-3.000	623.733	624.371	-0.638	6.000	624.191	-3.000	6.000	624.191	6.985	623.535	-0.656		
579	6.663	623.674	-0.442		6.000	624.116		6.000	624.116	-3.000	623.671	624.296	-0.625	6.000	624.116	-3.000	6.000	624.116	6.621	623.702	-0.414		
580	6.584	623.652	-0.389		6.000	624.041		6.000	624.041	-3.000	623.600	624.221	-0.621	6.000	624.041	-3.000	6.000	624.041	6.922	623.426	-0.615		
581	6.545	623.603	-0.363		6.000	623.966		6.000	623.966	-3.000	623.537	624.146	-0.609	6.000	623.966	-3.000	6.000	623.966	7.003	623.297	-0.669		
582	6.621	623.477	-0.414		6.000	623.891		6.000	623.891	-3.000	623.398	624.071	-0.673	6.000	623.891	-3.000	6.000	623.891	7.000	623.225	-0.666		
583	6.712	623.341	-0.475		6.000	623.816		6.000	623.816	-3.000	623.333	623.996	-0.663	6.000	623.816	-3.000	6.000	623.816	6.842	623.255	-0.561		
584	6.594	623.345	-0.396		6.000	623.741		6.000	623.741	-3.000	623.200	623.921	-0.721	6.000	623.741	-3.000	6.000	623.741	6.674	623.292	-0.449		
585	6.585	623.276	-0.390		6.000	623.666		6.000	623.666	-3.000	623.187	623.846	-0.659	6.000	623.666	-3.000	6.000	623.666	6.894	623.070	-0.596		
586	6.782	623.070	-0.521		6.000	623.591		6.000	623.591	-3.000	623.313	623.771	-0.458	6.000	623.591	-3.000	6.000	623.591	6.537	623.233	-0.358		
587	6.034	623.550	0.034		6.000	623.516		6.000	623.516	-3.000	623.554	623.696	-0.142	6.000	623.516	-3.000	6.000	623.516	6.082	623.461	-0.055		
588	6.411	623.167	-0.274		6.000	623.441		6.000	623.441	-3.000	623.144	623.621	-0.477	6.000	623.441	-3.000	6.000	623.441	6.846	622.877	-0.564		
589	6.616	622.956	-0.410		6.000	623.366		6.000	623.366	-3.000	622.773	623.546	-0.773	6.000	623.366	-3.000	6.000	623.366	6.814	622.823	-0.543		
590	6.828	622.739	-0.552		6.000	623.291		6.000	623.291	-3.000	622.683	623.471	-0.788	6.000	623.291	-3.000	6.000	623.291	6.938	622.666	-0.625		
591	6.794	622.684	-0.529		6.000	623.213		6.000	623.213	-3.000	622.629	623.393	-0.764	6.000	623.213	-3.000	6.000	623.213	6.808	622.674	-0.539		
592	6.914	622.519	-0.610		6.000	623.129		6.000	623.129	-3.000	622.509	623.309	-0.800	6.000	623.129	-3.000	6.000	623.129	6.962	622.488	-0.641		
593	6.977	622.388	-0.651		6.000	623.039		6.000	623.039	-3.000	622.374	623.219	-0.845	6.000	623.039	-3.000	6.000	623.039	6.956	622.402	-0.637		
594	6.989	622.283	-0.660		6.000	622.943		6.000	622.943	-3.000	622.276	623.123	-0.847	6.000	622.943	-3.000	6.000	622.943	6.965	622.300	-0.643		
595	6.886	622.251	-0.590		6.000	622.841		6.000	622.841	-3.000	622.169	623.021	-0.852	6.000	622.841	-3.000	6.000	622.841	7.101	622.107	-0.734		
596	7.040	622.040	-0.693		6.000	622.733		6.000	622.733	-3.000	622.044	622.913	-0.869	6.000	622.733	-3.000	6.000	622.733	7.100	622.000	-0.733		
597	6.942	621.991	-0.628		6.000	622.619		6.000	622.619	-3.000	621.911	622.799	-0.888	6.000	622.619	-3.000	6.000	622.619	7.068	621.907	-0.712		
598	6.948	621.867	-0.632		6.000	622.499		6.000	622.499	-3.000	621.800	622.679	-0.879	6.000	622.499	-3.000	6.000	622.499	6.865	621.922	-0.577		
599	6.941	621.747	-0.627		6.000	622.374		6.000	622.374	-3.000	621.668	622.554	-0.886	6.000	622.374	-3.000	6.000	622.374	6.979	621.721	-0.653		
600	6.888	621.650	-0.592		6.000	622.242		6.000	622.242	-3.000	621.546	622.422	-0.876	6.000	622.242	-3.000	6.000	622.242	6.990	621.582	-0.660		
601	6.957	621.466	-0.638		6.000	622.104		6.000	622.104	-3.000	621.420	622.284	-0.864	6.000	622.104	-3.000	6.000	622.104	6.852	621.536	-0.568		
602	6.836	621.403	-0.557		6.000	621.960		6.000	621.960	-3.000	621.312	622.140	-0.828	6.000	621.960	-3.000	6.000	621.960	6.933	621.338	-0.622		
603	6.778	621.292	-0.519		6.000	621.811		6.000	621.811	-3.000	621.225	621.991	-0.766	6.000	621.811	-3.000	6.000	621.811	6.683	621.356	-0.455		
604	6.572	621.274	-0.381		6.000	621.655		6.000	621.655	-3.000	621.515	621.835	-0.320	6.000	621.655	-3.000	6.000	621.655	6.066	621.611	-0.044		
605	6.465	621.183	-0.310		6.000	621.493		6.000	621.493	-3.000	621.132	621.673	-0.541	6.000	621.493	-3.000	6.000	621.493	6.355	621.256	-0.237		
606	7.145	620.563	-0.763		6.000	621.326		6.000	621.326	-3.000	620.633	621.506	-0.873	6.000	621.326	-3.000	6.000	621.326	7.454	620.356	-0.970		
607	6.963	620.510	-0.642		6.000	621.152		6.000	621.152	-3.000	620.367	621.332	-0.965	6.000	621.152	-3.000	6.000	621.152	6.910	620.546	-0.606		
608	6.881	620.386	-0.587		6.000	620.973		6.000	620.973	-3.000	620.208	621.153	-0.945	6.000	620.973	-3.000	6.000	620.973	7.219	620.160	-0.813		
609	6.855	620.217	-0.570		6.000	620.787		6.000	620.787	-3.000	620.053	620.967	-0.914	6.000	620.787	-3.000	6.000	620.787	7.000	620.120	-0.667		
610	6.849	620.030	-0.566		6.000	620.596		6.000	620.596	-3.000	619.951	620.776	-0.825	6.000	620.596	-3.000	6.000	620.596	6.751	620.095	-0.501		
611	6.723	619.919	-0.482		6.000	620.401		6.000	620.401	-3.000	619.798	620.581	-0.783	6.000	620.401	-3.000	6.000	620.401	6.773	619.886	-0.515		
612	6.753	619.705	-0.502		6.000	620.207		6.000	620.207	-3.000	619.596	620.387	-0.791	6.000	620.207	-3.000	6.000	620.207	6.936	619.583	-0.624		
613	6.797	619.481	-0.531		6.000	620.012		6.000	620.012	-3.000	619.379	620.192	-0.813	6.000	620.012	-3.000	6.000	620.012	6.731	619.525	-0.487		
614	6.455	619.515	-0.303		6.000	619.818		6.000	619.818	-3.000	619.190	619.998	-0.808	6.000	619.818	-3.000	6.000	619.818	6.874	619.235	-0.583		
615	6.969	618.977	-0.646		6.000	619.623		6.000	619.623	-3.000	619.056	619.803	-0.747	6.000	619.623	-3.000	6.000	619.623	6.908	619.018	-0.605		
616	6.808	618.891	-0.538		6.000	619.429		6.000	619.429	-3.000	618.896	619.609	-0.713	6.000	619.429	-3.000	6.000	619.429	6.710	618.955	-0.474		
617	6.560	618.862	-0.373		6.000	619.235		6.000	619.235	-3.000	618.707	619.415	-0.708	6.000	619.235	-3.000	6.000	619.235	6.6				

Nota de Serviço de Terraplenagem																						
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset						
	Distância	Cota	Altura	Distância	Cota	Bordo	%	Terreno	Cota	Projeto	Cota	Vermeilha	Distância	Cota	Bordo	%	Distância	Cota	Distância	Cota		
632	6.882	615.730	-0.588	6.000	616.318	6.000	616.318	-3.000	615.658	616.498	-0.840	6.000	616.318	-3.000	6.000	616.318	-3.000	6.000	616.318	6.850	615.752	-0.566
633	6.681	615.689	-0.454	6.000	616.123	6.000	616.123	-3.000	615.377	616.303	-0.926	6.000	616.123	-3.000	6.000	616.123	-3.000	6.000	616.123	6.875	615.540	-0.583
634	6.573	615.547	-0.382	6.000	615.929	6.000	615.929	-3.000	615.197	616.109	-0.912	6.000	615.929	-3.000	6.000	615.929	-3.000	6.000	615.929	6.576	615.545	-0.394
635	6.687	615.276	-0.458	6.000	615.734	6.000	615.734	-3.000	615.089	615.914	-0.825	6.000	615.734	-3.000	6.000	615.734	-3.000	6.000	615.734	6.751	615.233	-0.501
636	6.479	615.220	-0.320	6.000	615.540	6.000	615.540	-3.000	615.064	615.720	-0.656	6.000	615.540	-3.000	6.000	615.540	-3.000	6.000	615.540	6.531	615.186	-0.354
637	6.518	615.000	-0.345	6.000	615.345	6.000	615.345	-3.000	615.144	615.525	-0.381	6.000	615.345	-3.000	6.000	615.345	-3.000	6.000	615.345	6.505	615.009	-0.336
638	6.003	615.154	0.003	6.000	615.151	6.000	615.151	-3.000	615.173	615.331	-0.158	6.000	615.151	-3.000	6.000	615.151	-3.000	6.000	615.151	6.272	615.423	0.272
639	6.423	614.680	-0.282	6.000	614.962	6.000	614.962	-3.000	614.660	615.142	-0.482	6.000	614.962	-3.000	6.000	614.962	-3.000	6.000	614.962	6.473	614.646	-0.316
640	6.695	614.319	-0.464	6.000	614.783	6.000	614.783	-3.000	614.147	614.963	-0.816	6.000	614.783	-3.000	6.000	614.783	-3.000	6.000	614.783	6.538	614.424	-0.359
641	6.855	614.045	-0.570	6.000	614.615	6.000	614.615	-3.000	613.932	614.795	-0.863	6.000	614.615	-3.000	6.000	614.615	-3.000	6.000	614.615	7.018	614.148	-0.467
642	6.695	613.995	-0.463	6.000	614.458	6.000	614.458	-3.000	613.882	614.638	-0.756	6.000	614.458	-3.000	6.000	614.458	-3.000	6.000	614.458	7.018	613.779	-0.679
643	6.790	613.784	-0.527	6.000	614.311	6.000	614.311	-3.000	613.768	614.491	-0.723	6.000	614.311	-3.000	6.000	614.311	-3.000	6.000	614.311	6.725	613.828	-0.483
644	6.842	613.614	-0.561	6.000	614.175	6.000	614.175	-3.000	613.663	614.355	-0.692	6.000	614.175	-3.000	6.000	614.175	-3.000	6.000	614.175	6.826	613.624	-0.551
645	6.859	613.477	-0.573	6.000	614.050	6.000	614.050	-3.000	613.473	614.230	-0.757	6.000	614.050	-3.000	6.000	614.050	-3.000	6.000	614.050	6.792	613.522	-0.528
646	7.087	613.211	-0.724	6.000	613.935	6.000	613.935	-3.000	613.307	614.115	-0.808	6.000	613.935	-3.000	6.000	613.935	-3.000	6.000	613.935	6.577	613.550	-0.385
647	6.971	613.183	-0.647	6.000	613.830	6.000	613.830	-3.000	613.122	614.010	-0.888	6.000	613.830	-3.000	6.000	613.830	-3.000	6.000	613.830	7.059	613.124	-0.706
648	7.066	613.026	-0.711	6.000	613.737	6.000	613.737	-3.000	612.957	613.917	-0.960	6.000	613.737	-3.000	6.000	613.737	-3.000	6.000	613.737	7.078	613.018	-0.719
649	7.129	612.896	-0.752	6.000	613.648	6.000	613.648	-3.000	612.766	613.828	-1.062	6.000	613.648	-3.000	6.000	613.648	-3.000	6.000	613.648	7.516	612.637	-1.011
650	7.223	612.745	-0.815	6.000	613.560	6.000	613.560	-3.000	612.638	613.740	-1.102	6.000	613.560	-3.000	6.000	613.560	-3.000	6.000	613.560	7.326	612.676	-0.884
651	7.260	612.631	-0.840	6.000	613.471	6.000	613.471	-3.000	612.492	613.651	-1.159	6.000	613.471	-3.000	6.000	613.471	-3.000	6.000	613.471	7.326	612.587	-0.884
652	7.507	612.378	-1.005	6.000	613.383	6.000	613.383	-3.000	612.340	613.563	-1.223	6.000	613.383	-3.000	6.000	613.383	-3.000	6.000	613.383	7.412	612.442	-0.941
653	7.357	612.390	-0.905	6.000	613.295	6.000	613.295	-3.000	612.199	613.475	-1.276	6.000	613.295	-3.000	6.000	613.295	-3.000	6.000	613.295	7.420	612.348	-0.947
654	7.726	612.056	-1.150	6.000	613.206	6.000	613.206	-3.000	612.407	613.386	-0.979	6.000	613.206	-3.000	6.000	613.206	-3.000	6.000	613.206	7.446	612.242	-0.964
655	7.384	612.195	-0.923	6.000	613.118	6.000	613.118	-3.000	612.340	613.298	-0.958	6.000	613.118	-3.000	6.000	613.118	-3.000	6.000	613.118	7.251	612.284	-0.834
656	7.293	612.167	-0.862	6.000	613.029	6.000	613.029	-3.000	612.049	613.209	-1.160	6.000	613.029	-3.000	6.000	613.029	-3.000	6.000	613.029	8.230	611.543	-1.486
657	8.076	611.557	-1.384	6.000	612.941	6.000	612.941	-3.000	611.604	613.121	-1.517	6.000	612.941	-3.000	6.000	612.941	-3.000	6.000	612.941	7.889	611.681	-1.260
658	7.713	611.710	-1.142	6.000	612.852	6.000	612.852	-3.000	611.540	613.032	-1.492	6.000	612.852	-3.000	6.000	612.852	-3.000	6.000	612.852	7.943	611.557	-1.295
659	7.916	611.487	-1.277	6.000	612.764	6.000	612.764	-3.000	611.487	612.944	-1.457	6.000	612.764	-3.000	6.000	612.764	-3.000	6.000	612.764	7.945	611.467	-1.297
660	7.871	611.428	-1.248	6.000	612.676	6.000	612.676	-3.000	611.445	612.856	-1.411	6.000	612.676	-3.000	6.000	612.676	-3.000	6.000	612.676	8.082	611.288	-1.388
661	7.783	611.398	-1.189	6.000	612.587	6.000	612.587	-3.000	611.365	612.767	-1.402	6.000	612.587	-3.000	6.000	612.587	-3.000	6.000	612.587	8.249	611.088	-1.499
662	7.823	611.284	-1.215	6.000	612.499	6.000	612.499	-3.000	611.279	612.679	-1.400	6.000	612.499	-3.000	6.000	612.499	-3.000	6.000	612.499	7.959	611.193	-1.306
663	7.856	611.173	-1.237	6.000	612.410	6.000	612.410	-3.000	611.172	612.590	-1.418	6.000	612.410	-3.000	6.000	612.410	-3.000	6.000	612.410	7.867	611.165	-1.245
664	7.846	611.091	-1.231	6.000	612.322	6.000	612.322	-3.000	611.085	612.502	-1.417	6.000	612.322	-3.000	6.000	612.322	-3.000	6.000	612.322	7.839	611.096	-1.226
665	7.897	610.970	-1.264	6.000	612.234	6.000	612.234	-3.000	611.059	612.414	-1.355	6.000	612.234	-3.000	6.000	612.234	-3.000	6.000	612.234	8.218	610.755	-1.479
666	7.948	610.847	-1.298	6.000	612.145	6.000	612.145	-3.000	611.002	612.325	-1.323	6.000	612.145	-3.000	6.000	612.145	-3.000	6.000	612.145	8.133	610.723	-1.422
667	7.980	610.737	-1.320	6.000	612.057	6.000	612.057	-3.000	610.930	612.237	-1.307	6.000	612.057	-3.000	6.000	612.057	-3.000	6.000	612.057	7.747	610.893	-1.164
668	8.151	610.534	-1.434	6.000	611.968	6.000	611.968	-3.000	610.867	612.148	-1.281	6.000	611.968	-3.000	6.000	611.968	-3.000	6.000	611.968	7.736	610.811	-1.157
669	7.855	610.652	-1.236	6.000	611.888	6.000	611.888	-3.000	610.818	612.068	-1.250	6.000	611.888	-3.000	6.000	611.888	-3.000	6.000	611.888	7.968	610.576	-1.312
670	7.763	610.648	-1.175	6.000	611.823	6.000	611.823	-3.000	611.062	612.003	-0.941	6.000	611.823	-3.000	6.000	611.823	-3.000	6.000	611.823	7.314	610.947	-0.876
671	7.636	610.683	-1.090	6.000	611.773	6.000	611.773	-3.000	611.099	611.953	-0.854	6.000	611.773	-3.000	6.000	611.773	-3.000	6.000	611.773	7.268	610.927	-0.846
672	7.575	610.688	-1.050	6.000	611.73																	

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito			
	Distância	Cota	Altura	Offset	Distância	Cota	Terreno	Cota	Distância	Cota	Terreno	Offset
690	7.905	610.979	-1.270		6.000	612.249	-3.000	610.889	612.429	-1.540	6.000	612.249
691	8.214	610.808	-1.476		6.000	612.284	-3.000	610.866	612.464	-1.598	6.000	612.284
692	7.932	611.031	-1.288		6.000	612.319	-3.000	610.911	612.499	-1.588	6.000	612.319
693	7.891	611.093	-1.261		6.000	612.354	-3.000	610.959	612.534	-1.575	6.000	612.354
694	7.851	611.156	-1.234		6.000	612.390	-3.000	611.061	612.570	-1.509	6.000	612.390
695	8.115	611.015	-1.410		6.000	612.425	-3.000	611.162	612.605	-1.443	6.000	612.425
696	7.593	611.398	-1.062		6.000	612.460	-3.000	611.229	612.640	-1.411	6.000	612.460
697	7.846	611.264	-1.231		6.000	612.495	-3.000	611.358	612.675	-1.317	6.000	612.495
698	7.824	611.512	-1.049		6.000	612.531	-3.000	611.594	612.711	-1.117	6.000	612.531
699	8.624	612.017	-0.519		6.000	612.566	-3.000	612.152	612.746	-0.594	6.000	612.566
700	7.100	611.868	-0.733		6.000	612.601	-3.000	611.979	612.781	-0.802	6.000	612.601
701	7.175	611.853	-0.783		6.000	612.636	-3.000	611.870	612.816	-0.946	6.000	612.636
702	7.086	611.947	-0.724		6.000	612.671	-3.000	611.776	612.851	-1.075	6.000	612.671
703	7.101	611.973	-0.734		6.000	612.707	-3.000	611.898	612.887	-0.989	6.000	612.707
704	7.231	611.921	-0.821		6.000	612.742	-3.000	611.973	612.922	-0.949	6.000	612.742
705	6.975	612.127	-0.650		6.000	612.777	-3.000	612.043	612.957	-0.914	6.000	612.777
706	6.952	612.183	-0.634		6.000	612.817	-3.000	612.179	612.997	-0.818	6.000	612.817
707	6.725	612.382	-0.483		6.000	612.865	-3.000	612.259	613.045	-0.786	6.000	612.865
708	6.625	612.506	-0.416		6.000	612.922	-3.000	612.322	613.102	-0.780	6.000	612.922
709	6.901	612.388	-0.600		6.000	612.988	-3.000	612.428	613.168	-0.740	6.000	612.988
710	6.673	612.614	-0.448		6.000	613.062	-3.000	612.534	613.242	-0.708	6.000	613.062
711	6.943	612.516	-0.629		6.000	613.145	-3.000	612.597	613.325	-0.728	6.000	613.145
712	6.592	612.838	-0.395		6.000	613.233	-3.000	612.663	613.413	-0.750	6.000	613.233
713	6.598	612.922	-0.388		6.000	613.320	-3.000	612.781	613.500	-0.719	6.000	613.320
714	6.882	612.819	-0.588		6.000	613.407	-3.000	612.875	613.587	-0.712	6.000	613.407
715	6.776	612.978	-0.517		6.000	613.495	-3.000	612.951	613.675	-0.724	6.000	613.495
716	6.774	613.066	-0.516		6.000	613.582	-3.000	613.050	613.762	-0.712	6.000	613.582
717	6.784	613.147	-0.523		6.000	613.670	-3.000	613.230	613.850	-0.620	6.000	613.670
718	6.456	613.453	-0.304		6.000	613.757	-3.000	613.600	613.937	-0.337	6.000	613.757
719	6.152	613.744	-0.101		6.000	613.845	-3.000	613.867	614.025	-0.158	6.000	613.845
720	6.423	613.650	-0.282		6.000	613.932	-3.000	613.650	614.112	-0.462	6.000	613.932
721	6.694	613.556	-0.463		6.000	614.019	-3.000	613.469	614.199	-0.730	6.000	614.019
722	6.512	613.766	-0.341		6.000	614.107	-3.000	613.585	614.287	-0.702	6.000	614.107
723	6.876	613.610	-0.584		6.000	614.194	-3.000	613.697	614.374	-0.677	6.000	614.194
724	7.016	613.605	-0.677		6.000	614.282	-3.000	613.729	614.462	-0.733	6.000	614.282
725	6.892	613.774	-0.595		6.000	614.369	-3.000	613.822	614.549	-0.727	6.000	614.369
726	7.063	613.748	-0.709		6.000	614.457	-3.000	613.945	614.637	-0.692	6.000	614.457
727	6.929	613.925	-0.619		6.000	614.544	-3.000	614.009	614.724	-0.715	6.000	614.544
728	6.971	613.984	-0.647		6.000	614.631	-3.000	614.058	614.811	-0.753	6.000	614.631
729	6.933	614.097	-0.622		6.000	614.719	-3.000	614.178	614.899	-0.721	6.000	614.719
730	6.928	614.187	-0.619		6.000	614.806	-3.000	614.214	614.986	-0.772	6.000	614.806
731	7.225	614.078	-0.816		6.000	614.894	-3.000	614.359	615.074	-0.715	6.000	614.894
732	7.158	614.209	-0.772		6.000	614.981	-3.000	614.414	615.161	-0.747	6.000	614.981
733	7.015	614.389	-0.779		6.000	615.066	-3.000	614.514	615.246	-0.732	6.000	615.066
734	7.168	614.365	-0.779		6.000	615.144	-3.000	614.565	615.324	-0.759	6.000	615.144
735	7.098	614.485	-0.732		6.000	615.217	-3.000	614.614	615.397	-0.783	6.000	615.217
736	6.696	614.820	-0.464		6.000	615.284	-3.000	614.765	615.464	-0.699	6.000	615.284
737	6.483	615.024	-0.322		6.000	615.346	-3.000	615.091	615.526	-0.435	6.000	615.346
738	6.013	615.393	-0.008		6.000	615.401	-3.000	615.398	615.581	-0.183	6.000	615.401
739	6.929	614.898	-0.553		6.000	615.451	-3.000	615.050	615.631	-0.581	6.000	615.451
740	6.884	614.838	-0.656		6.000	615.494	-3.000	614.872	615.674	-0.802	6.000	615.494
741	6.858	614.960	-0.572		6.000	615.532	-3.000	614.983	615.712	-0.729	6.000	615.532
742	7.047	614.867	-0.698		6.000	615.565	-3.000	614.935	615.745	-0.810	6.000	615.565
743	7.160	614.818	-0.773		6.000	615.591	-3.000	614.946	615.771	-0.825	6.000	615.591
744	7.009	614.938	-0.673		6.000	615.611	-3.000	614.984	615.791	-0.807	6.000	615.611
745	7.098	614.894	-0.732		6.000	615.626	-3.000	615.018	615.806	-0.788	6.000	615.626
746	6.778	615.117	-0.518		6.000	615.635	-3.000	615.044	615.815	-0.771	6.000	615.635
747	6.956	615.001	-0.637		6.000	615.638	-3.000	615.069	615.818	-0.749	6.000	615.638

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset				
	Distância	Cota	Altura	Distância	Cota	Bordo	%	Terreno	Cota	Projeto	Cota	Vermeilha	Distância	Bordo	Cota	%	Distância	Cota	Distância	Cota
748	6.825	615.085	-0.550	6.000	615.635	6.000	615.635	-3.000	615.048	615.815	6.000	-0.767	6.000	615.635	6.000	615.635	-3.000	6.878	615.050	-0.585
749	7.002	614.959	-0.668	6.000	615.627	6.000	615.627	-3.000	615.035	615.807	6.000	-0.772	6.000	615.627	6.000	615.627	-3.000	6.922	615.012	-0.615
750	7.010	614.938	-0.674	6.000	615.612	6.000	615.612	-3.000	615.024	615.792	6.000	-0.768	6.000	615.612	6.000	615.612	-3.000	6.973	614.963	-0.649
751	6.780	615.072	-0.520	6.000	615.592	6.000	615.592	-3.000	615.031	615.772	6.000	-0.741	6.000	615.592	6.000	615.592	-3.000	6.876	615.008	-0.584
752	7.121	614.818	-0.748	6.000	615.566	6.000	615.566	-3.000	614.995	615.746	6.000	-0.751	6.000	615.566	6.000	615.566	-3.000	6.718	615.087	-0.479
753	6.814	614.991	-0.543	6.000	615.534	6.000	615.534	-3.000	615.036	615.714	6.000	-0.678	6.000	615.534	6.000	615.534	-3.000	6.776	615.017	-0.517
754	7.060	614.790	-0.707	6.000	615.497	6.000	615.497	-3.000	614.975	615.677	6.000	-0.702	6.000	615.497	6.000	615.497	-3.000	6.792	614.969	-0.528
755	6.723	614.971	-0.482	6.000	615.453	6.000	615.453	-3.000	614.918	615.633	6.000	-0.715	6.000	615.453	6.000	615.453	-3.000	6.724	614.971	-0.482
756	7.052	614.702	-0.702	6.000	615.404	6.000	615.404	-3.000	614.926	615.584	6.000	-0.658	6.000	615.404	6.000	615.404	-3.000	6.715	614.927	-0.477
757	6.891	614.755	-0.594	6.000	615.349	6.000	615.349	-3.000	614.884	615.529	6.000	-0.645	6.000	615.349	6.000	615.349	-3.000	6.676	614.898	-0.451
758	6.867	614.710	-0.578	6.000	615.288	6.000	615.288	-3.000	614.906	615.468	6.000	-0.562	6.000	615.288	6.000	615.288	-3.000	6.850	614.722	-0.566
759	6.673	614.773	-0.448	6.000	615.221	6.000	615.221	-3.000	614.902	615.401	6.000	-0.499	6.000	615.221	6.000	615.221	-3.000	6.554	614.852	-0.369
760	6.797	614.618	-0.531	6.000	615.149	6.000	615.149	-3.000	614.803	615.329	6.000	-0.526	6.000	615.149	6.000	615.149	-3.000	6.945	614.519	-0.630
761	6.752	614.569	-0.501	6.000	615.070	6.000	615.070	-3.000	614.911	615.250	6.000	-0.339	6.000	615.070	6.000	615.070	-3.000	6.556	614.699	-0.371
762	6.145	614.889	-0.097	6.000	614.986	6.000	614.986	-3.000	615.208	615.166	6.000	0.042	6.000	614.986	6.000	614.986	-3.000	6.002	614.984	-0.002
763	6.255	614.726	-0.170	6.000	614.896	6.000	614.896	-3.000	615.030	615.076	6.000	-0.046	6.000	614.896	6.000	614.896	-3.000	6.449	614.597	-0.299
764	6.475	614.483	-0.317	6.000	614.800	6.000	614.800	-3.000	614.591	614.980	6.000	-0.389	6.000	614.800	6.000	614.800	-3.000	6.721	614.320	-0.480
765	6.679	614.246	-0.453	6.000	614.699	6.000	614.699	-3.000	614.311	614.879	6.000	-0.568	6.000	614.699	6.000	614.699	-3.000	6.679	614.246	-0.453
766	6.666	614.147	-0.444	6.000	614.591	6.000	614.591	-3.000	614.151	614.771	6.000	-0.620	6.000	614.591	6.000	614.591	-3.000	6.996	613.927	-0.664
767	6.409	614.206	-0.272	6.000	614.478	6.000	614.478	-3.000	614.059	614.658	6.000	-0.599	6.000	614.478	6.000	614.478	-3.000	7.014	613.802	-0.676
768	6.527	614.008	-0.351	6.000	614.359	6.000	614.359	-3.000	613.841	614.539	6.000	-0.698	6.000	614.359	6.000	614.359	-3.000	6.526	614.008	-0.351
769	6.407	613.963	-0.271	6.000	614.234	6.000	614.234	-3.000	613.875	614.414	6.000	-0.539	6.000	614.234	6.000	614.234	-3.000	7.140	613.474	-0.760
770	6.486	613.779	-0.324	6.000	614.103	6.000	614.103	-3.000	613.743	614.283	6.000	-0.540	6.000	614.103	6.000	614.103	-3.000	6.796	613.572	-0.531
771	6.373	613.718	-0.249	6.000	613.967	6.000	613.967	-3.000	613.581	614.147	6.000	-0.566	6.000	613.967	6.000	613.967	-3.000	6.887	613.376	-0.591
772	6.412	613.549	-0.275	6.000	613.824	6.000	613.824	-3.000	613.712	614.004	6.000	-0.292	6.000	613.824	6.000	613.824	-3.000	6.976	613.173	-0.651
773	6.236	613.912	0.236	6.000	613.676	6.000	613.676	-3.000	613.897	613.856	6.000	0.041	6.000	613.676	6.000	613.676	-3.000	6.358	613.437	-0.239
774	6.669	614.190	0.668	6.000	613.522	6.000	613.522	-3.000	614.150	613.702	6.000	0.448	6.000	613.522	6.000	613.522	-3.000	6.242	613.764	0.242
775	6.408	613.770	0.408	6.000	613.362	6.000	613.362	-3.000	613.738	613.542	6.000	0.196	6.000	613.362	6.000	613.362	-3.000	6.173	613.535	0.173
776	6.232	613.042	-0.154	6.000	613.196	6.000	613.196	-3.000	613.137	613.376	6.000	-0.239	6.000	613.196	6.000	613.196	-3.000	6.373	612.948	-0.248
777	6.194	612.895	-0.130	6.000	613.025	6.000	613.025	-3.000	612.943	613.205	6.000	-0.262	6.000	613.025	6.000	613.025	-3.000	6.264	612.849	-0.176
778	6.312	612.640	-0.208	6.000	612.848	6.000	612.848	-3.000	612.504	613.028	6.000	-0.524	6.000	612.848	6.000	612.848	-3.000	6.629	612.429	-0.419
779	6.370	612.421	-0.247	6.000	612.668	6.000	612.668	-3.000	612.305	612.848	6.000	-0.543	6.000	612.668	6.000	612.668	-3.000	6.719	612.189	-0.479
780	6.233	612.332	-0.155	6.000	612.487	6.000	612.487	-3.000	612.114	612.667	6.000	-0.553	6.000	612.487	6.000	612.487	-3.000	6.371	612.239	-0.248
781	6.310	612.100	-0.207	6.000	612.307	6.000	612.307	-3.000	611.979	612.487	6.000	-0.508	6.000	612.307	6.000	612.307	-3.000	6.350	612.074	-0.233
782	6.595	611.730	-0.397	6.000	612.127	6.000	612.127	-3.000	611.818	612.307	6.000	-0.489	6.000	612.127	6.000	612.127	-3.000	6.624	611.711	-0.416
783	6.622	611.532	-0.415	6.000	611.947	6.000	611.947	-3.000	611.661	612.127	6.000	-0.466	6.000	611.947	6.000	611.947	-3.000	6.070	612.017	0.070
784	6.650	611.334	-0.433	6.000	611.767	6.000	611.767	-3.000	611.481	611.947	6.000	-0.466	6.000	611.767	6.000	611.767	-3.000	6.435	611.477	-0.290
785	6.657	611.148	-0.438	6.000	611.586	6.000	611.586	-3.000	611.280	611.766	6.000	-0.486	6.000	611.586	6.000	611.586	-3.000	6.746	611.089	-0.497
786	6.356	611.169	-0.237	6.000	611.406	6.000	611.406	-3.000	611.066	611.586	6.000	-0.520	6.000	611.406	6.000	611.406	-3.000	6.218	611.261	-0.145
787	6.486	610.902	-0.324	6.000	611.226	6.000	611.226	-3.000	610.918	611.406	6.000	-0.488	6.000	611.226	6.000	611.226	-3.000	6.395	610.963	-0.263
788	6.393	610.784	-0.262	6.000	611.046	6.000	611.046	-3.000	610.708	611.226	6.000	-0.518	6.000	611.046	6.000	611.046	-3.000	6.522	610.698	-0.348
789	6.317	610.655	-0.211	6.000	610.866	6.000	610.866	-3.000	610.612	611.046	6.000	-0.434	6.000	610.866	6.000	610.866	-3.000	6.631	610.445	-0.421
790	6.194	610.555	-0.130	6.000	610.685	6.000	610.685	-3.000	610.724	610.865	6.000	-0.141	6.000	610.685	6.000	610.685	-3.000	6.407	610.414	-0.271
791	6.243	610.748	0.243	6.000	610.505	6.000	610.505	-3.000	610.904	610.885	6.000	0.219	6.000	610.505	6.000	610.505	-3.000	6.203	610.708	0.203
792	6.047	610.372	0.047	6.000	610.325	6.000	610.325													

Nota de Serviço de Terraplenagem																					
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				Offset	
	Distância	Cota	Altura	Distância	Cota	Distância	Bordo	%	Terreno	Projeto	Cota	Vermeilha	Distância	Bordo	Cota	%	Distância	Cota	Distância	Cota	Altura
806	6.577	607.417	-0.385	6.000	607.802	6.000	607.802	-3.000	607.244	607.982	-0.738	6.000	607.802	6.000	607.802	-3.000	6.000	607.802	6.801	607.268	-0.534
807	6.651	607.188	-0.434	6.000	607.622	6.000	607.622	-3.000	607.152	607.802	-0.650	6.000	607.622	6.000	607.622	-3.000	6.000	607.622	6.761	607.115	-0.507
808	6.347	607.211	-0.231	6.000	607.442	6.000	607.442	-3.000	607.330	607.622	-0.292	6.000	607.442	6.000	607.442	-3.000	6.000	607.442	6.117	607.364	-0.078
809	6.152	607.414	0.152	6.000	607.262	6.000	607.262	-3.000	607.546	607.442	0.104	6.000	607.262	6.000	607.262	-3.000	6.000	607.262	6.242	607.504	0.242
810	6.152	606.981	-0.101	6.000	607.082	6.000	607.082	-3.000	607.221	607.262	-0.041	6.000	607.082	6.000	607.082	-3.000	6.000	607.082	6.172	607.254	0.172
811	6.777	606.383	-0.518	6.000	606.901	6.000	606.901	-3.000	606.574	607.081	-0.507	6.000	606.901	6.000	606.901	-3.000	6.000	606.901	6.638	606.476	-0.425
812	6.469	606.409	-0.312	6.000	606.721	6.000	606.721	-3.000	606.473	606.901	-0.428	6.000	606.721	6.000	606.721	-3.000	6.000	606.721	6.456	606.417	-0.304
813	6.708	606.069	-0.472	6.000	606.541	6.000	606.541	-3.000	605.854	606.721	-0.867	6.000	606.541	6.000	606.541	-3.000	6.000	606.541	6.785	606.018	-0.523
814	6.884	605.771	-0.590	6.000	606.361	6.000	606.361	-3.000	605.727	606.541	-0.814	6.000	606.361	6.000	606.361	-3.000	6.000	606.361	7.165	605.584	-0.777
815	6.906	605.577	-0.604	6.000	606.181	6.000	606.181	-3.000	605.508	606.361	-0.853	6.000	606.181	6.000	606.181	-3.000	6.000	606.181	7.252	605.346	-0.835
816	7.012	605.325	-0.675	6.000	606.000	6.000	606.000	-3.000	605.285	606.180	-0.895	6.000	606.000	6.000	606.000	-3.000	6.000	606.000	7.354	605.097	-0.903
817	7.149	605.054	-0.766	6.000	605.820	6.000	605.820	-3.000	605.147	606.000	-0.853	6.000	605.820	6.000	605.820	-3.000	6.000	605.820	7.352	604.919	-0.901
818	7.034	604.951	-0.689	6.000	605.640	6.000	605.640	-3.000	604.800	605.820	-1.020	6.000	605.640	6.000	605.640	-3.000	6.000	605.640	7.036	604.949	-0.691
819	7.042	604.765	-0.695	6.000	605.460	6.000	605.460	-3.000	604.707	605.640	-0.933	6.000	605.460	6.000	605.460	-3.000	6.000	605.460	7.549	604.427	-1.033
820	7.205	604.477	-0.803	6.000	605.280	6.000	605.280	-3.000	604.476	605.460	-0.984	6.000	605.280	6.000	605.280	-3.000	6.000	605.280	7.363	604.371	-0.909
821	7.120	604.353	-0.746	6.000	605.099	6.000	605.099	-3.000	604.241	605.279	-1.038	6.000	605.099	6.000	605.099	-3.000	6.000	605.099	7.124	604.349	-0.750
822	7.184	604.130	-0.789	6.000	604.919	6.000	604.919	-3.000	604.002	605.099	-1.097	6.000	604.919	6.000	604.919	-3.000	6.000	604.919	7.497	603.921	-0.988
823	7.132	603.984	-0.755	6.000	604.739	6.000	604.739	-3.000	603.816	604.919	-1.103	6.000	604.739	6.000	604.739	-3.000	6.000	604.739	7.477	603.755	-0.984
824	7.158	603.787	-0.772	6.000	604.559	6.000	604.559	-3.000	603.636	604.739	-1.103	6.000	604.559	6.000	604.559	-3.000	6.000	604.559	7.069	603.847	-0.712
825	7.294	603.516	-0.863	6.000	604.379	6.000	604.379	-3.000	603.464	604.559	-1.095	6.000	604.379	6.000	604.379	-3.000	6.000	604.379	7.646	603.282	-1.097
826	7.293	603.337	-0.862	6.000	604.199	6.000	604.199	-3.000	603.279	604.379	-1.100	6.000	604.199	6.000	604.199	-3.000	6.000	604.199	7.530	603.179	-1.020
827	7.272	603.170	-0.848	6.000	604.018	6.000	604.018	-3.000	603.068	604.198	-1.130	6.000	604.018	6.000	604.018	-3.000	6.000	604.018	7.757	602.847	-1.171
828	7.142	603.078	-0.760	6.000	603.838	6.000	603.838	-3.000	602.810	604.018	-1.208	6.000	603.838	6.000	603.838	-3.000	6.000	603.838	7.786	602.648	-1.190
829	7.170	602.878	-0.780	6.000	603.658	6.000	603.658	-3.000	602.674	603.838	-1.164	6.000	603.658	6.000	603.658	-3.000	6.000	603.658	7.440	602.698	-0.960
830	7.209	602.672	-0.806	6.000	603.478	6.000	603.478	-3.000	602.512	603.658	-1.146	6.000	603.478	6.000	603.478	-3.000	6.000	603.478	7.091	602.751	-0.727
831	7.050	602.598	-0.700	6.000	603.298	6.000	603.298	-3.000	602.551	603.478	-0.927	6.000	603.298	6.000	603.298	-3.000	6.000	603.298	7.468	602.319	-0.979
832	6.806	602.580	-0.537	6.000	603.117	6.000	603.117	-3.000	602.756	603.297	-0.541	6.000	603.117	6.000	603.117	-3.000	6.000	603.117	6.941	602.490	-0.627
833	6.597	602.539	-0.398	6.000	602.937	6.000	602.937	-3.000	602.614	603.117	-0.503	6.000	602.937	6.000	602.937	-3.000	6.000	602.937	6.689	602.478	-0.459
834	7.144	601.994	-0.763	6.000	602.757	6.000	602.757	-3.000	602.063	602.937	-0.874	6.000	602.757	6.000	602.757	-3.000	6.000	602.757	7.473	601.775	-0.982
835	7.342	601.683	-0.894	6.000	602.577	6.000	602.577	-3.000	601.536	602.757	-1.221	6.000	602.577	6.000	602.577	-3.000	6.000	602.577	7.833	601.355	-1.222
836	7.413	601.455	-0.942	6.000	602.397	6.000	602.397	-3.000	601.299	602.577	-1.278	6.000	602.397	6.000	602.397	-3.000	6.000	602.397	7.938	601.105	-1.292
837	7.372	601.301	-0.915	6.000	602.216	6.000	602.216	-3.000	601.070	602.396	-1.326	6.000	602.216	6.000	602.216	-3.000	6.000	602.216	7.824	601.000	-1.216
838	7.407	601.098	-0.938	6.000	602.036	6.000	602.036	-3.000	600.871	602.216	-1.345	6.000	602.036	6.000	602.036	-3.000	6.000	602.036	7.576	600.985	-1.051
839	7.498	600.857	-0.999	6.000	601.856	6.000	601.856	-3.000	600.684	602.036	-1.352	6.000	601.856	6.000	601.856	-3.000	6.000	601.856	7.959	600.550	-1.306
840	7.324	600.793	-0.883	6.000	601.676	6.000	601.676	-3.000	600.491	601.856	-1.365	6.000	601.676	6.000	601.676	-3.000	6.000	601.676	7.682	600.555	-1.121
841	7.223	600.681	-0.815	6.000	601.496	6.000	601.496	-3.000	600.359	601.676	-1.317	6.000	601.496	6.000	601.496	-3.000	6.000	601.496	7.745	600.333	-1.163
842	7.207	600.510	-0.805	6.000	601.315	6.000	601.315	-3.000	600.371	601.495	-1.124	6.000	601.315	6.000	601.315	-3.000	6.000	601.315	7.289	600.456	-0.859
843	7.296	600.271	-0.864	6.000	601.135	6.000	601.135	-3.000	600.023	601.315	-1.292	6.000	601.135	6.000	601.135	-3.000	6.000	601.135	7.606	600.064	-1.071
844	7.323	600.073	-0.882	6.000	600.955	6.000	600.955	-3.000	599.805	601.135	-1.330	6.000	600.955	6.000	600.955	-3.000	6.000	600.955	7.610	599.882	-1.073
845	7.187	599.983	-0.792	6.000	600.775	6.000	600.775	-3.000	599.664	600.955	-1.291	6.000	600.775	6.000	600.775	-3.000	6.000	600.775	7.668	599.663	-1.112
846	7.144	599.842	-0.763	6.000	600.605	6.000	600.605	-3.000	599.556	600.785	-1.229	6.000	600.605	6.000	600.605	-3.000	6.000	600.605	7.466	599.627	-0.978
847	7.120	599.708	-0.747	6.000	600.455	6.000	600.455	-3.000	599.493	600.635	-1.142	6.000	600.4								

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito								
	Distância	Altura	Offset	Banqueta	Distância	Cota	Vermeilha	Cota	Distância	Cota	%	Bordo	Distância	Cota	Offset		
863	7.512	598.357	-1.008	6.000	599.365	-3.000	598.572	599.545	-0.973	6.000	599.365	-3.000	6.000	599.365	7.428	598.413	-0.952
864	7.451	598.339	-0.968	6.000	599.307	-3.000	598.555	599.487	-0.932	6.000	599.307	-3.000	6.000	599.307	7.389	598.381	-0.926
865	7.481	598.262	-0.987	6.000	599.249	-3.000	598.566	599.429	-0.863	6.000	599.249	-3.000	6.000	599.249	7.266	598.405	-0.844
866	7.428	598.239	-0.952	6.000	599.191	-3.000	598.516	599.371	-0.855	6.000	599.191	-3.000	6.000	599.191	7.162	598.417	-0.774
867	7.409	598.194	-0.939	6.000	599.133	-3.000	598.446	599.313	-0.867	6.000	599.133	-3.000	6.000	599.133	7.196	598.335	-0.798
868	7.368	598.163	-0.912	6.000	599.075	-3.000	598.377	599.255	-0.878	6.000	599.075	-3.000	6.000	599.075	7.112	598.334	-0.741
869	7.384	598.094	-0.923	6.000	599.017	-3.000	598.335	599.197	-0.862	6.000	599.017	-3.000	6.000	599.017	6.992	598.356	-0.661
870	7.308	598.087	-0.872	6.000	598.959	-3.000	598.370	599.139	-0.769	6.000	598.959	-3.000	6.000	598.959	7.059	598.253	-0.706
871	7.212	598.093	-0.808	6.000	598.901	-3.000	598.355	599.081	-0.726	6.000	598.901	-3.000	6.000	598.901	6.909	598.295	-0.606
872	7.175	598.060	-0.783	6.000	598.843	-3.000	598.224	599.023	-0.799	6.000	598.843	-3.000	6.000	598.843	6.916	598.232	-0.611
873	7.235	597.962	-0.823	6.000	598.785	-3.000	598.172	598.965	-0.793	6.000	598.785	-3.000	6.000	598.785	6.877	598.201	-0.584
874	7.050	598.027	-0.700	6.000	598.727	-3.000	598.398	598.907	-0.509	6.000	598.727	-3.000	6.000	598.727	6.611	598.320	-0.407
875	6.956	598.032	-0.637	6.000	598.669	-3.000	598.342	598.849	-0.507	6.000	598.669	-3.000	6.000	598.669	6.914	598.060	-0.609
876	6.862	598.036	-0.575	6.000	598.611	-3.000	598.332	598.791	-0.459	6.000	598.611	-3.000	6.000	598.611	6.799	598.078	-0.533
877	6.811	598.012	-0.541	6.000	598.553	-3.000	598.363	598.733	-0.370	6.000	598.553	-3.000	6.000	598.553	6.675	598.103	-0.450
878	6.537	598.137	-0.358	6.000	598.495	-3.000	598.055	598.675	-0.620	6.000	598.495	-3.000	6.000	598.495	6.711	598.021	-0.474
879	6.584	598.047	-0.390	6.000	598.437	-3.000	598.112	598.617	-0.505	6.000	598.437	-3.000	6.000	598.437	6.896	597.840	-0.597
880	6.572	597.998	-0.381	6.000	598.379	-3.000	598.374	598.559	-0.185	6.000	598.379	-3.000	6.000	598.379	6.385	598.122	-0.257
881	6.629	597.902	-0.419	6.000	598.321	-3.000	598.322	598.501	-0.179	6.000	598.321	-3.000	6.000	598.321	6.291	598.127	-0.194
882	6.789	597.737	-0.526	6.000	598.263	-3.000	598.130	598.443	-0.313	6.000	598.263	-3.000	6.000	598.263	6.171	598.149	-0.114
883	6.811	597.665	-0.540	6.000	598.205	-3.000	598.018	598.385	-0.367	6.000	598.205	-3.000	6.000	598.205	6.260	598.032	-0.173
884	6.731	597.660	-0.487	6.000	598.147	-3.000	597.884	598.327	-0.443	6.000	598.147	-3.000	6.000	598.147	6.143	598.052	-0.095
885	6.665	597.646	-0.443	6.000	598.089	-3.000	597.605	598.269	-0.664	6.000	598.089	-3.000	6.000	598.089	6.666	597.645	-0.444
886	6.666	597.587	-0.444	6.000	598.031	-3.000	597.536	598.211	-0.675	6.000	598.031	-3.000	6.000	598.031	6.730	597.544	-0.487
887	6.658	597.535	-0.438	6.000	597.973	-3.000	597.487	598.153	-0.666	6.000	597.973	-3.000	6.000	597.973	7.063	597.264	-0.709
888	6.647	597.484	-0.431	6.000	597.915	-3.000	597.408	598.095	-0.687	6.000	597.915	-3.000	6.000	597.915	6.839	597.355	-0.560
889	6.588	597.465	-0.392	6.000	597.857	-3.000	597.340	598.037	-0.697	6.000	597.857	-3.000	6.000	597.857	6.950	597.224	-0.633
890	6.577	597.415	-0.384	6.000	597.799	-3.000	597.304	597.979	-0.675	6.000	597.799	-3.000	6.000	597.799	6.714	597.323	-0.676
891	6.512	597.400	-0.341	6.000	597.741	-3.000	597.275	597.921	-0.646	6.000	597.741	-3.000	6.000	597.741	6.565	597.364	-0.377
892	6.471	597.369	-0.314	6.000	597.683	-3.000	597.248	597.863	-0.615	6.000	597.683	-3.000	6.000	597.683	6.851	597.116	-0.567
893	6.408	597.353	-0.272	6.000	597.625	-3.000	597.230	597.805	-0.575	6.000	597.625	-3.000	6.000	597.625	6.823	597.076	-0.549
894	6.427	597.282	-0.285	6.000	597.567	-3.000	597.186	597.747	-0.561	6.000	597.567	-3.000	6.000	597.567	6.561	597.193	-0.374
895	6.390	597.249	-0.260	6.000	597.509	-3.000	597.150	597.689	-0.539	6.000	597.509	-3.000	6.000	597.509	6.543	597.147	-0.362
896	6.385	597.195	-0.256	6.000	597.451	-3.000	597.039	597.631	-0.592	6.000	597.451	-3.000	6.000	597.451	6.581	597.064	-0.387
897	6.427	597.109	-0.285	6.000	597.394	-3.000	596.962	597.574	-0.612	6.000	597.394	-3.000	6.000	597.394	6.563	597.019	-0.375
898	6.940	596.709	-0.627	6.000	597.336	-3.000	597.120	597.516	-0.396	6.000	597.336	-3.000	6.000	597.336	6.029	597.365	0.029
899	6.264	597.102	-0.176	6.000	597.278	-3.000	597.492	597.458	0.034	6.000	597.278	-3.000	6.000	597.278	6.120	597.398	0.120
900	6.153	597.373	0.153	6.000	597.220	-3.000	597.510	597.400	0.110	6.000	597.220	-3.000	6.000	597.220	6.256	597.476	0.256
901	6.267	596.984	-0.178	6.000	597.162	-3.000	597.243	597.342	-0.099	6.000	597.162	-3.000	6.000	597.162	6.063	597.120	-0.042
902	6.481	596.783	-0.321	6.000	597.104	-3.000	596.849	597.284	-0.435	6.000	597.104	-3.000	6.000	597.104	6.376	596.853	-0.251
903	6.563	596.671	-0.375	6.000	597.046	-3.000	596.608	597.226	-0.618	6.000	597.046	-3.000	6.000	597.046	6.464	596.737	-0.309
904	6.559	596.615	-0.373	6.000	596.988	-3.000	596.633	597.168	-0.535	6.000	596.988	-3.000	6.000	596.988	6.278	596.803	-0.185
905	6.498	596.598	-0.332	6.000	596.930	-3.000	596.467	597.110	-0.643	6.000	596.930	-3.000	6.000	596.930	6.675	596.480	-0.450
906	6.458	596.566	-0.306	6.000	596.872	-3.000	596.396	597.052	-0.656	6.000	596.872	-3.000	6.000	596.872	6.968	596.227	-0.645
907	6.527	596.463	-0.351	6.000	596.814	-3.000	596.316	596.994	-0.678	6.000	596.814	-3.000	6.000	596.814	6.961	596.173	-0.641
908	6.589	596.364	-0.392	6.000	596.756	-3.000	596.237	596.936	-0.699	6.000	596.756	-3.000	6.000	596.756	6.942	596.128	-0.628
909	6.787	596.173	-0.525	6.000	596.698	-3.000	596.154	596.878	-0.724	6.000	596.698	-3.000	6.000	596.698	6.436	596.408	-0.290
910	6.616	596.229	-0.411	6.000	596.640	-3.000	596.091	596.820	-0.729	6.000	596.640	-3.000	6.000	596.640	6.708	596.168	-0.472
911	6.637	596.158	-0.424	6.000	596.582	-3.000	596.053	596.762	-0.709	6.000	596.582	-3.000	6.000	596.582	6.709	596.109	-0.473
912	6.718	596.045	-0.479	6.000	596.524	-3.000	595.979	596.704	-0.725	6.000	596.524	-3.000	6.000	596.524	6.935	595.900	-0.624
913	6.672	596.018	-0.448	6.000	596.466	-3.000	595.919	596.646	-0.727	6.000	596.466	-3.000	6.000	596.466	6.955	595.830	-0.636
914	6.635	595.985	-0.423	6.000	596.408	-3.000	595.899	59									

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				
	Distância	Altura	Offset	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Cota	Vermeilha	Distância	Cota	Bordo					Distância
921	7,220	595,189	-0,813	6,000	596,002	6,000	596,002	-3,000	595,112	596,182	-1,070	6,000	596,002	-3,000	596,002	6,000	596,002	7,273	595,154	-0,848
922	7,233	595,122	-0,822	6,000	595,944	6,000	595,944	-3,000	595,035	596,124	-1,089	6,000	595,944	-3,000	595,944	6,000	595,944	7,219	595,131	-0,813
923	7,287	595,028	-0,858	6,000	595,886	6,000	595,886	-3,000	594,946	596,066	-1,120	6,000	595,886	-3,000	595,886	6,000	595,886	7,393	594,957	-0,929
924	7,325	594,938	-0,883	6,000	595,821	6,000	595,821	-3,000	594,848	596,001	-1,153	6,000	595,821	-3,000	595,821	6,000	595,821	7,453	594,853	-0,968
925	7,472	594,762	-0,981	6,000	595,743	6,000	595,743	-3,000	594,803	595,923	-1,120	6,000	595,743	-3,000	595,743	6,000	595,743	7,338	594,851	-0,892
926	7,450	594,685	-0,967	6,000	595,652	6,000	595,652	-3,000	594,715	595,832	-1,117	6,000	595,652	-3,000	595,652	6,000	595,652	7,277	594,801	-0,851
927	7,306	594,676	-0,871	6,000	595,547	6,000	595,547	-3,000	594,568	595,727	-1,159	6,000	595,547	-3,000	595,547	6,000	595,547	7,358	594,642	-0,905
928	7,230	594,616	-0,820	6,000	595,436	6,000	595,436	-3,000	594,420	595,616	-1,196	6,000	595,436	-3,000	595,436	6,000	595,436	7,263	594,594	-0,842
929	7,201	594,523	-0,801	6,000	595,324	6,000	595,324	-3,000	594,351	595,504	-1,153	6,000	595,324	-3,000	595,324	6,000	595,324	7,233	594,502	-0,822
930	7,164	594,437	-0,776	6,000	595,213	6,000	595,213	-3,000	594,349	595,393	-1,044	6,000	595,213	-3,000	595,213	6,000	595,213	7,140	594,453	-0,760
931	7,195	594,304	-0,797	6,000	595,101	6,000	595,101	-3,000	594,253	595,281	-1,028	6,000	595,101	-3,000	595,101	6,000	595,101	7,374	594,185	-0,916
932	6,825	594,440	-0,550	6,000	594,990	6,000	594,990	-3,000	594,680	595,170	-0,510	6,000	594,990	-3,000	594,990	6,000	594,990	6,615	594,580	-0,410
933	6,332	594,656	-0,222	6,000	594,878	6,000	594,878	-3,000	594,743	595,058	-0,315	6,000	594,878	-3,000	594,878	6,000	594,878	6,461	594,571	-0,307
934	6,853	594,198	-0,569	6,000	594,767	6,000	594,767	-3,000	594,350	594,947	-0,597	6,000	594,767	-3,000	594,767	6,000	594,767	6,802	594,233	-0,534
935	6,986	593,998	-0,657	6,000	594,655	6,000	594,655	-3,000	593,973	594,835	-0,862	6,000	594,655	-3,000	594,655	6,000	594,655	6,952	594,021	-0,634
936	7,074	593,828	-0,716	6,000	594,544	6,000	594,544	-3,000	593,753	594,724	-0,971	6,000	594,544	-3,000	594,544	6,000	594,544	6,981	593,890	-0,654
937	7,254	593,596	-0,836	6,000	594,432	6,000	594,432	-3,000	593,605	594,612	-1,007	6,000	594,432	-3,000	594,432	6,000	594,432	7,067	593,721	-0,711
938	7,081	593,600	-0,721	6,000	594,321	6,000	594,321	-3,000	593,432	594,501	-1,069	6,000	594,321	-3,000	594,321	6,000	594,321	7,074	593,605	-0,716
939	6,901	593,609	-0,566	6,000	594,209	6,000	594,209	-3,000	593,457	594,389	-0,932	6,000	594,209	-3,000	594,209	6,000	594,209	6,999	593,543	-0,666
940	6,835	593,542	-0,556	6,000	594,098	6,000	594,098	-3,000	593,399	594,278	-0,879	6,000	594,098	-3,000	594,098	6,000	594,098	6,964	593,455	-0,643
941	6,911	593,379	-0,607	6,000	593,986	6,000	593,986	-3,000	593,329	594,166	-0,837	6,000	593,986	-3,000	593,986	6,000	593,986	6,851	593,419	-0,567
942	6,948	593,243	-0,632	6,000	593,875	6,000	593,875	-3,000	593,252	594,055	-0,803	6,000	593,875	-3,000	593,875	6,000	593,875	6,816	593,331	-0,544
943	6,942	593,136	-0,628	6,000	593,764	6,000	593,764	-3,000	593,129	593,944	-0,815	6,000	593,764	-3,000	593,764	6,000	593,764	6,817	593,219	-0,545
944	6,967	593,008	-0,644	6,000	593,652	6,000	593,652	-3,000	593,046	593,832	-0,786	6,000	593,652	-3,000	593,652	6,000	593,652	6,742	593,157	-0,495
945	6,759	593,035	-0,506	6,000	593,541	6,000	593,541	-3,000	592,930	593,721	-0,791	6,000	593,541	-3,000	593,541	6,000	593,541	6,702	593,073	-0,468
946	6,684	592,973	-0,456	6,000	593,429	6,000	593,429	-3,000	592,814	593,609	-0,795	6,000	593,429	-3,000	593,429	6,000	593,429	6,715	592,952	-0,477
947	6,911	592,710	-0,608	6,000	593,318	6,000	593,318	-3,000	592,747	593,498	-0,751	6,000	593,318	-3,000	593,318	6,000	593,318	6,598	592,920	-0,398
948	6,949	592,574	-0,632	6,000	593,206	6,000	593,206	-3,000	592,779	593,386	-0,607	6,000	593,206	-3,000	593,206	6,000	593,206	6,207	593,068	-0,138
949	6,575	592,712	-0,383	6,000	593,095	6,000	593,095	-3,000	593,121	593,275	-0,154	6,000	593,095	-3,000	593,095	6,000	593,095	6,330	592,875	-0,220
950	6,007	592,990	0,007	6,000	592,983	6,000	592,983	-3,000	593,303	593,163	0,140	6,000	592,983	-3,000	592,983	6,000	592,983	6,074	593,056	0,073
951	6,282	592,684	-0,188	6,000	592,872	6,000	592,872	-3,000	593,046	593,052	-0,006	6,000	592,872	-3,000	592,872	6,000	592,872	6,159	592,766	-0,106
952	6,605	592,357	-0,403	6,000	592,760	6,000	592,760	-3,000	592,537	592,940	-0,403	6,000	592,760	-3,000	592,760	6,000	592,760	6,385	592,503	-0,257
953	6,448	592,350	-0,299	6,000	592,649	6,000	592,649	-3,000	592,262	592,829	-0,567	6,000	592,649	-3,000	592,649	6,000	592,649	6,738	592,157	-0,492
954	6,619	592,124	-0,413	6,000	592,537	6,000	592,537	-3,000	592,116	592,717	-0,601	6,000	592,537	-3,000	592,537	6,000	592,537	6,214	592,394	-0,143
955	6,878	591,841	-0,585	6,000	592,426	6,000	592,426	-3,000	591,995	592,606	-0,611	6,000	592,426	-3,000	592,426	6,000	592,426	6,542	592,084	-0,362
956	6,442	592,020	-0,294	6,000	592,314	6,000	592,314	-3,000	591,903	592,494	-0,591	6,000	592,314	-3,000	592,314	6,000	592,314	6,519	591,968	-0,346
957	6,462	591,895	-0,308	6,000	592,203	6,000	592,203	-3,000	591,826	592,383	-0,557	6,000	592,203	-3,000	592,203	6,000	592,203	6,526	591,852	-0,351
958	6,791	591,564	-0,527	6,000	592,091	6,000	592,091	-3,000	591,729	592,271	-0,542	6,000	592,091	-3,000	592,091	6,000	592,091	6,723	591,609	-0,482
959	6,494	591,650	-0,330	6,000	591,980	6,000	591,980	-3,000	591,607	592,160	-0,553	6,000	591,980	-3,000	591,980	6,000	591,980	6,582	591,592	-0,388
960	6,732	591,380	-0,488	6,000	591,868	6,000	591,868	-3,000	591,484	592,048	-0,564	6,000	591,868	-3,000	591,868	6,000	591,868	6,120	591,788	-0,080
961	6,404	591,488	-0,269	6,000	591,757	6,000	591,757	-3,000	591,418	591,937	-0,519	6,000	591,757	-3,000	591,757	6,000	591,757	6,625	591,340	-0,417
962	6,424	591,363	-0,282	6,000	591,645	6,000	591,645	-3,000	591,291	591,825	-0,534	6,000	591,645	-3,000	591,645	6,000	591,645	6,642	591,217	-0,428
963	6,664	591,091	-0,443	6,000	591,534	6,000	591,534	-3,000	591,158	591,714	-0,556	6,000	591,534	-3,000	591,534	6,000	591,534	6,398	591,269	-0,265
964	6,305	591,219	-0,203	6,000	591,422	6,000	591,422	-3,000	591,053	591,602	-0,549	6,000	591,422	-3,000	591,422	6,000	591,422	6,463	591,114	-0,308
965	6,740	590,818	-0,493																	

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito										
	Distância	Altura	Offset	Banqueta	Distância	Cota	Bordo	%	Cota	Vermeilha	Distância	Cota	Bordo	%	Distância	Cota	Offset		
979	6.879	589.463	-0.586	6.000	590.049	6.000	590.049	-3.000	589.327	590.229	-0.902	6.000	590.049	-3.000	6.000	590.049	6.711	589.575	-0.474
980	7.028	589.328	-0.685	6.000	590.013	6.000	590.013	-3.000	589.248	590.193	-0.945	6.000	590.013	-3.000	6.000	590.013	6.823	589.465	-0.548
981	6.903	589.374	-0.602	6.000	589.976	6.000	589.976	-3.000	589.255	590.156	-0.901	6.000	589.976	-3.000	6.000	589.976	6.926	589.359	-0.617
982	6.766	589.428	-0.511	6.000	589.939	6.000	589.939	-3.000	589.457	590.119	-0.662	6.000	589.939	-3.000	6.000	589.939	6.733	589.451	-0.488
983	6.470	589.590	-0.313	6.000	589.903	6.000	589.903	-3.000	589.757	590.083	-0.326	6.000	589.903	-3.000	6.000	589.903	6.576	589.519	-0.384
984	6.821	589.319	-0.547	6.000	589.866	6.000	589.866	-3.000	589.911	590.046	-0.135	6.000	589.866	-3.000	6.000	589.866	6.065	589.823	-0.043
984+2.351	6.950	589.228	-0.634	6.000	589.862	6.000	589.862	-3.000	589.917	590.042	-0.125	6.000	589.862	-3.000	6.000	589.862	6.022	589.848	-0.014
985	6.621	589.416	-0.414	6.000	589.830	6.000	589.830	-3.000	589.585	590.010	-0.425	6.000	589.830	-3.000	6.000	589.830	6.497	589.499	-0.331
986	7.263	588.951	-0.842	6.000	589.793	6.000	589.793	-3.000	588.997	589.973	-0.976	6.000	589.793	-3.000	6.000	589.793	7.176	589.009	-0.784
987	7.502	588.755	-1.001	6.000	589.756	6.000	589.756	-3.000	588.628	589.936	-1.308	6.000	589.756	-3.000	6.000	589.756	7.361	588.849	-0.907
988	7.471	588.739	-0.981	6.000	589.720	6.000	589.720	-3.000	588.559	589.900	-1.341	6.000	589.720	-3.000	6.000	589.720	6.962	589.079	-0.641
989	7.467	588.705	-0.978	6.000	589.683	6.000	589.683	-3.000	588.765	589.863	-1.098	6.000	589.683	-3.000	6.000	589.683	7.511	588.676	-1.007
990	7.584	588.590	-1.056	6.000	589.646	6.000	589.646	-3.000	588.561	589.826	-1.265	6.000	589.646	-3.000	6.000	589.646	7.469	588.666	-0.980
991	7.514	588.601	-1.009	6.000	589.610	6.000	589.610	-3.000	588.428	589.790	-1.362	6.000	589.610	-3.000	6.000	589.610	7.553	588.575	-1.035
992	7.508	588.568	-1.005	6.000	589.573	6.000	589.573	-3.000	588.441	589.753	-1.312	6.000	589.573	-3.000	6.000	589.573	7.601	588.506	-1.067
993	7.582	588.482	-1.054	6.000	589.536	6.000	589.536	-3.000	588.433	589.716	-1.283	6.000	589.536	-3.000	6.000	589.536	7.772	588.355	-1.181
994	7.636	588.409	-1.091	6.000	589.500	6.000	589.500	-3.000	588.353	589.680	-1.327	6.000	589.500	-3.000	6.000	589.500	7.625	588.417	-1.083
995	7.689	588.337	-1.126	6.000	589.463	6.000	589.463	-3.000	588.248	589.643	-1.395	6.000	589.463	-3.000	6.000	589.463	7.668	588.351	-1.112
996	7.695	588.296	-1.130	6.000	589.426	6.000	589.426	-3.000	588.222	589.606	-1.384	6.000	589.426	-3.000	6.000	589.426	7.626	588.342	-1.084
997	7.782	588.202	-1.188	6.000	589.390	6.000	589.390	-3.000	588.219	589.570	-1.351	6.000	589.390	-3.000	6.000	589.390	7.880	588.137	-1.253
998	7.775	588.169	-1.184	6.000	589.353	6.000	589.353	-3.000	588.220	589.533	-1.313	6.000	589.353	-3.000	6.000	589.353	8.186	587.895	-1.458
999	7.953	588.014	-1.302	6.000	589.316	6.000	589.316	-3.000	588.157	589.496	-1.339	6.000	589.316	-3.000	6.000	589.316	7.868	588.070	-1.246
1000	7.787	588.089	-1.191	6.000	589.280	6.000	589.280	-3.000	588.050	589.460	-1.410	6.000	589.280	-3.000	6.000	589.280	7.989	587.954	-1.326
1001	7.858	588.005	-1.238	6.000	589.243	6.000	589.243	-3.000	588.166	589.423	-1.257	6.000	589.243	-3.000	6.000	589.243	7.886	587.986	-1.257
1002	7.847	587.975	-1.231	6.000	589.206	6.000	589.206	-3.000	588.258	589.386	-1.128	6.000	589.206	-3.000	6.000	589.206	7.724	588.057	-1.149
1003	8.044	587.807	-1.363	6.000	589.170	6.000	589.170	-3.000	588.304	589.350	-1.046	6.000	589.170	-3.000	6.000	589.170	7.999	587.837	-1.333
1004	8.239	587.640	-1.493	6.000	589.133	6.000	589.133	-3.000	588.313	589.313	-1.000	6.000	589.133	-3.000	6.000	589.133	7.815	587.923	-1.210
1005	8.343	587.534	-1.562	6.000	589.096	6.000	589.096	-3.000	588.373	589.276	-0.903	6.000	589.096	-3.000	6.000	589.096	7.893	587.834	-1.262
1006	8.385	587.470	-1.590	6.000	589.060	6.000	589.060	-3.000	588.492	589.240	-0.748	6.000	589.060	-3.000	6.000	589.060	7.433	588.104	-0.956
1007	8.587	587.299	-1.724	6.000	589.023	6.000	589.023	-3.000	588.514	589.203	-0.689	6.000	589.023	-3.000	6.000	589.023	7.377	588.105	-0.918
1008	8.662	587.211	-1.775	6.000	588.986	6.000	588.986	-3.000	588.510	589.166	-0.656	6.000	588.986	-3.000	6.000	588.986	7.091	588.259	-0.727
1009	8.596	587.219	-1.731	6.000	588.950	6.000	588.950	-3.000	588.606	589.130	-0.524	6.000	588.950	-3.000	6.000	588.950	6.915	588.340	-0.610
1010	8.558	587.207	-1.706	6.000	588.913	6.000	588.913	-3.000	588.601	589.093	-0.492	6.000	588.913	-3.000	6.000	588.913	6.944	588.283	-0.630
1011	8.386	587.286	-1.590	6.000	588.876	6.000	588.876	-3.000	588.412	589.056	-0.644	6.000	588.876	-3.000	6.000	588.876	7.238	588.051	-0.825
1012	8.026	587.489	-1.351	6.000	588.840	6.000	588.840	-3.000	588.227	589.020	-0.793	6.000	588.840	-3.000	6.000	588.840	7.333	587.951	-0.889
1013	7.576	587.753	-1.050	6.000	588.803	6.000	588.803	-3.000	588.184	588.983	-0.799	6.000	588.803	-3.000	6.000	588.803	7.263	587.961	-0.842
1014	7.059	588.060	-0.706	6.000	588.766	6.000	588.766	-3.000	588.443	588.946	-0.503	6.000	588.766	-3.000	6.000	588.766	6.711	588.292	-0.474
1015	6.915	588.120	-0.610	6.000	588.730	6.000	588.730	-3.000	588.678	588.910	-0.232	6.000	588.730	-3.000	6.000	588.730	6.264	588.554	-0.176
1016	6.895	588.097	-0.596	6.000	588.693	6.000	588.693	-3.000	588.496	588.873	-0.377	6.000	588.693	-3.000	6.000	588.693	6.692	588.232	-0.461
1017	7.212	587.859	-0.808	6.000	588.667	6.000	588.667	-3.000	588.136	588.847	-0.711	6.000	588.667	-3.000	6.000	588.667	7.081	587.946	-0.721
1018	6.859	588.091	-0.572	6.000	588.663	6.000	588.663	-3.000	587.972	588.843	-0.871	6.000	588.663	-3.000	6.000	588.663	7.033	587.974	-0.689
1019	6.803	588.144	-0.535	6.000	588.679	6.000	588.679	-3.000	588.091	588.859	-0.768	6.000	588.679	-3.000	6.000	588.679	6.896	588.082	-0.597
1020	6.825	588.168	-0.550	6.000	588.718	6.000	588.718	-3.000	588.172	588.898	-0.726	6.000	588.718	-3.000	6.000	588.718	6.782	588.196	-0.522
1021	6.761	588.270	-0.507	6.000	588.777	6.000	588.777	-3.000	588.216	588.957	-0.741	6.000	588.777	-3.000	6.000	588.777	6.797	588.245	-0.532
1022	6.767	588.347	-0.511	6.000	588.858	6.000	588.858	-3.000	588.296	589.038	-0.742	6.000	588.858	-3.000	6.000	588.858	6.696	588.394	-0.464
1023	6.672	588.502	-0.448	6.000	588.950	6.000	588.950	-3.000	588.486	589.130	-0.634	6.000	588.950	-3.000	6.000	588.950	6.744	588.454	-0.496
1024	6.29.2																		

Nota de Serviço de Terraplenagem																			
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset		
	Distância	Cota	Altura	Distância	Cota	Distância	%	Terreno	Projeto	Cota	Vermeilha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
1036	6.680	589.688	-0.453	6.000	590.141	-3.000	589.636	590.321	-0.685	6.000	590.141	-3.000	590.141	-3.000	6.893	589.545	6.000	590.141	-0.596
1037	6.725	589.749	-0.483	6.000	590.232	-3.000	589.728	590.412	-0.684	6.000	590.232	-3.000	590.232	-3.000	6.945	589.602	6.000	590.232	-0.630
1038	6.665	589.860	-0.444	6.000	590.324	-3.000	589.797	590.504	-0.707	6.000	590.324	-3.000	590.324	-3.000	6.746	589.826	6.000	590.324	-0.498
1039	6.637	589.991	-0.425	6.000	590.416	-3.000	589.897	590.596	-0.699	6.000	590.416	-3.000	590.416	-3.000	6.475	590.099	6.000	590.416	-0.317
1040	6.572	590.126	-0.381	6.000	590.507	-3.000	590.031	590.687	-0.656	6.000	590.507	-3.000	590.507	-3.000	6.899	589.908	6.000	590.507	-0.599
1041	6.488	590.274	-0.325	6.000	590.599	-3.000	590.266	590.779	-0.513	6.000	590.599	-3.000	590.599	-3.000	6.559	590.226	6.000	590.599	-0.373
1042	6.230	590.538	-0.153	6.000	590.691	-3.000	590.685	590.871	-0.186	6.000	590.691	-3.000	590.691	-3.000	6.004	590.694	6.000	590.691	0.003
1043	6.089	590.871	0.089	6.000	590.782	-3.000	590.969	590.962	0.007	6.000	590.782	-3.000	590.782	-3.000	6.003	590.784	6.000	590.782	0.002
1044	6.196	590.743	-0.131	6.000	590.874	-3.000	590.789	591.054	-0.265	6.000	590.874	-3.000	590.874	-3.000	6.314	590.665	6.000	590.874	-0.209
1045	6.528	590.613	-0.352	6.000	590.965	-3.000	590.511	591.145	-0.634	6.000	590.965	-3.000	590.965	-3.000	6.524	590.616	6.000	590.965	-0.349
1046	6.560	590.683	-0.374	6.000	591.057	-3.000	590.539	591.237	-0.698	6.000	591.057	-3.000	591.057	-3.000	6.706	590.586	6.000	591.057	-0.471
1047	6.595	590.752	-0.397	6.000	591.149	-3.000	590.648	591.329	-0.681	6.000	591.149	-3.000	591.149	-3.000	6.893	590.554	6.000	591.149	-0.595
1048	6.607	590.835	-0.405	6.000	591.240	-3.000	590.683	591.420	-0.737	6.000	591.240	-3.000	591.240	-3.000	6.586	590.849	6.000	591.240	-0.391
1049	6.585	590.942	-0.390	6.000	591.332	-3.000	590.789	591.512	-0.723	6.000	591.332	-3.000	591.332	-3.000	6.728	590.847	6.000	591.332	-0.485
1050	6.574	591.041	-0.383	6.000	591.424	-3.000	590.855	591.604	-0.749	6.000	591.424	-3.000	591.424	-3.000	6.928	590.805	6.000	591.424	-0.619
1051	6.626	591.098	-0.417	6.000	591.515	-3.000	590.949	591.695	-0.746	6.000	591.515	-3.000	591.515	-3.000	6.518	591.170	6.000	591.515	-0.345
1052	6.693	591.145	-0.462	6.000	591.607	-3.000	591.040	591.787	-0.747	6.000	591.607	-3.000	591.607	-3.000	6.785	591.084	6.000	591.607	-0.523
1053	6.761	591.191	-0.507	6.000	591.698	-3.000	591.111	591.878	-0.767	6.000	591.698	-3.000	591.698	-3.000	6.796	591.167	6.000	591.698	-0.531
1054	6.809	591.250	-0.540	6.000	591.790	-3.000	591.107	591.970	-0.863	6.000	591.790	-3.000	591.790	-3.000	6.945	591.160	6.000	591.790	-0.630
1055	6.868	591.303	-0.579	6.000	591.882	-3.000	591.178	592.062	-0.884	6.000	591.882	-3.000	591.882	-3.000	6.943	591.253	6.000	591.882	-0.629
1056	6.932	591.352	-0.621	6.000	591.973	-3.000	591.271	592.153	-0.882	6.000	591.973	-3.000	591.973	-3.000	7.121	591.226	6.000	591.973	-0.747
1057	6.996	591.401	-0.664	6.000	592.065	-3.000	591.323	592.245	-0.922	6.000	592.065	-3.000	592.065	-3.000	6.737	591.574	6.000	592.065	-0.491
1058	7.064	591.443	-0.709	6.000	592.152	-3.000	591.382	592.332	-0.950	6.000	592.152	-3.000	592.152	-3.000	7.344	591.256	6.000	592.152	-0.896
1059	7.128	591.477	-0.752	6.000	592.229	-3.000	591.483	592.409	-0.926	6.000	592.229	-3.000	592.229	-3.000	7.227	591.411	6.000	592.229	-0.818
1060	6.963	591.655	-0.642	6.000	592.297	-3.000	591.542	592.477	-0.935	6.000	592.297	-3.000	592.297	-3.000	7.382	591.376	6.000	592.297	-0.921
1061	6.979	591.702	-0.653	6.000	592.355	-3.000	591.622	592.535	-0.913	6.000	592.355	-3.000	592.355	-3.000	7.118	591.609	6.000	592.355	-0.746
1062	6.972	591.755	-0.648	6.000	592.403	-3.000	591.715	592.583	-0.868	6.000	592.403	-3.000	592.403	-3.000	7.314	591.527	6.000	592.403	-0.876
1063	6.934	591.819	-0.623	6.000	592.442	-3.000	591.775	592.622	-0.847	6.000	592.442	-3.000	592.442	-3.000	7.134	591.686	6.000	592.442	-0.756
1064	6.935	591.849	-0.623	6.000	592.472	-3.000	591.811	592.652	-0.841	6.000	592.472	-3.000	592.472	-3.000	6.982	591.817	6.000	592.472	-0.655
1065	6.928	591.873	-0.619	6.000	592.492	-3.000	591.825	592.672	-0.847	6.000	592.492	-3.000	592.492	-3.000	7.010	591.819	6.000	592.492	-0.673
1066	6.918	591.890	-0.612	6.000	592.502	-3.000	591.797	592.682	-0.885	6.000	592.502	-3.000	592.502	-3.000	7.193	591.706	6.000	592.502	-0.796
1067	6.962	591.862	-0.641	6.000	592.503	-3.000	591.691	592.683	-0.992	6.000	592.503	-3.000	592.503	-3.000	7.447	591.538	6.000	592.503	-0.965
1068	7.011	591.820	-0.674	6.000	592.494	-3.000	591.712	592.674	-0.962	6.000	592.494	-3.000	592.494	-3.000	6.853	591.925	6.000	592.494	-0.569
1069	6.999	591.809	-0.666	6.000	592.475	-3.000	591.691	592.655	-0.964	6.000	592.475	-3.000	592.475	-3.000	7.283	591.620	6.000	592.475	-0.855
1070	6.952	591.812	-0.635	6.000	592.447	-3.000	591.648	592.627	-0.979	6.000	592.447	-3.000	592.447	-3.000	7.348	591.549	6.000	592.447	-0.898
1071	6.909	591.804	-0.606	6.000	592.410	-3.000	591.628	592.590	-0.962	6.000	592.410	-3.000	592.410	-3.000	7.319	591.531	6.000	592.410	-0.879
1072	6.879	591.777	-0.586	6.000	592.363	-3.000	591.580	592.543	-0.963	6.000	592.363	-3.000	592.363	-3.000	7.337	591.472	6.000	592.363	-0.891
1073	6.805	591.769	-0.537	6.000	592.306	-3.000	591.504	592.486	-0.982	6.000	592.306	-3.000	592.306	-3.000	6.813	591.764	6.000	592.306	-0.542
1074	6.670	591.794	-0.446	6.000	592.240	-3.000	591.825	592.420	-0.595	6.000	592.240	-3.000	592.240	-3.000	6.554	591.871	6.000	592.240	-0.369
1075	7.063	591.455	-0.709	6.000	592.164	-3.000	591.970	592.344	-0.374	6.000	592.164	-3.000	592.164	-3.000	6.163	592.056	6.000	592.164	-0.108
1076	6.552	591.711	-0.368	6.000	592.079	-3.000	591.745	592.259	-0.514	6.000	592.079	-3.000	592.079	-3.000	6.472	591.764	6.000	592.079	-0.315
1077	6.654	591.548	-0.436	6.000	591.984	-3.000	591.369	592.164	-0.775	6.000	591.984	-3.000	591.984	-3.000	6.967	591.340	6.000	591.984	-0.644
1078	6.625	591.468	-0.416	6.000	591.884	-3.000	591.286	592.064	-0.778	6.000	591.884	-3.000	591.884	-3.000	6.770	591.370	6.000	591.884	-0.514
1079	6.635	591.361	-0.423	6.000	591.784	-3.000	591.511	591.964	-0.453	6.000	591.784	-3.000	591.784	-3.000	6.077	591.733	6.000	591.784	-0.051
1080	6.557	591.313	-0.371	6.000	591.684	-3.000	591.287	591.864	-0.577	6.000	591.684	-3.000	591.684	-3.000	6.801	591.150	6.000	591.684	-0.534
1081	6.332	591.364	-0.221	6.000	591.585	-3.000	591.064	591.765	-0.701	6.000	591.585	-3.000	591.585	-3.000	6.590	591.191	6.000	591.585	-0.394
1082	6.288	591.293	-0.192	6.000	591.485	-3													

Nota de Serviço de Terraplenagem																							
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset							
	Distância	Cota	Altura			Banqueta	Distância	Cota	%	Terreno	Projeto	Cota	Vermelha	Distância	Cota	Bordo	%	Distância	Cota	Distância	Cota	Offset	
1094	6.392	590.027	-0.261			6.000	590.288	6.000	590.288	-3.000	589.786	590.468	-0.682	6.000	590.288	6.000	590.288	-3.000	6.000	590.288	6.806	589.751	-0.537
1095	6.594	589.792	-0.396			6.000	590.188	6.000	590.188	-3.000	590.024	590.368	-0.344	6.000	590.188	6.000	590.188	-3.000	6.000	590.188	6.301	589.987	-0.201
1096	7.241	589.261	-0.827			6.000	590.088	6.000	590.088	-3.000	589.993	590.268	-0.275	6.000	590.088	6.000	590.088	-3.000	6.000	590.088	6.053	589.052	-0.036
1097	6.640	589.562	-0.427			6.000	589.989	6.000	589.989	-3.000	589.676	590.169	-0.493	6.000	589.989	6.000	589.989	-3.000	6.000	589.989	6.375	589.739	-0.250
1098	6.697	589.424	-0.465			6.000	589.889	6.000	589.889	-3.000	589.241	590.069	-0.828	6.000	589.889	6.000	589.889	-3.000	6.000	589.889	7.207	589.084	-0.805
1099	6.741	589.295	-0.494			6.000	589.789	6.000	589.789	-3.000	589.044	589.969	-0.925	6.000	589.789	6.000	589.789	-3.000	6.000	589.789	7.030	589.102	-0.687
1100	6.660	589.249	-0.440			6.000	589.689	6.000	589.689	-3.000	588.992	589.869	-0.877	6.000	589.689	6.000	589.689	-3.000	6.000	589.689	6.273	588.840	-0.849
1101	6.585	589.200	-0.390			6.000	589.590	6.000	589.590	-3.000	588.866	589.770	-0.904	6.000	589.590	6.000	589.590	-3.000	6.000	589.590	7.118	588.845	-0.745
1102	6.777	588.972	-0.518			6.000	589.490	6.000	589.490	-3.000	588.740	589.670	-0.930	6.000	589.490	6.000	589.490	-3.000	6.000	589.490	7.098	588.758	-0.732
1103	6.868	588.818	-0.579			6.000	589.397	6.000	589.397	-3.000	588.602	589.577	-0.975	6.000	589.397	6.000	589.397	-3.000	6.000	589.397	7.291	588.536	-0.861
1104	6.978	588.666	-0.652			6.000	589.318	6.000	589.318	-3.000	588.471	589.498	-1.027	6.000	589.318	6.000	589.318	-3.000	6.000	589.318	7.015	588.642	-0.676
1105	7.109	588.514	-0.739			6.000	589.253	6.000	589.253	-3.000	588.276	589.433	-1.157	6.000	589.253	6.000	589.253	-3.000	6.000	589.253	7.252	588.418	-0.835
1106	7.202	588.401	-0.801			6.000	589.202	6.000	589.202	-3.000	588.136	589.382	-1.246	6.000	589.202	6.000	589.202	-3.000	6.000	589.202	7.401	588.268	-0.934
1107	7.370	588.251	-0.913			6.000	589.164	6.000	589.164	-3.000	588.114	589.344	-1.230	6.000	589.164	6.000	589.164	-3.000	6.000	589.164	7.391	588.237	-0.927
1108	7.564	588.098	-1.042			6.000	589.140	6.000	589.140	-3.000	587.977	589.320	-1.343	6.000	589.140	6.000	589.140	-3.000	6.000	589.140	7.827	587.922	-1.218
1109	7.780	587.943	-1.187			6.000	589.130	6.000	589.130	-3.000	587.972	589.310	-1.338	6.000	589.130	6.000	589.130	-3.000	6.000	589.130	7.931	587.843	-1.287
1110	8.060	587.761	-1.373			6.000	589.134	6.000	589.134	-3.000	588.091	589.314	-1.223	6.000	589.134	6.000	589.134	-3.000	6.000	589.134	7.438	588.176	-0.958
1111	8.601	587.411	-1.734			6.000	589.145	6.000	589.145	-3.000	588.039	589.325	-1.286	6.000	589.145	6.000	589.145	-3.000	6.000	589.145	7.523	588.130	-1.015
1112	8.917	587.211	-1.945			6.000	589.156	6.000	589.156	-3.000	587.984	589.336	-1.352	6.000	589.156	6.000	589.156	-3.000	6.000	589.156	7.708	588.017	-1.139
1113	8.988	587.175	-1.992			6.000	589.167	6.000	589.167	-3.000	587.893	589.347	-1.454	6.000	589.167	6.000	589.167	-3.000	6.000	589.167	8.099	587.768	-1.399
1114	9.248	587.013	-2.165			6.000	589.178	6.000	589.178	-3.000	587.740	589.358	-1.618	6.000	589.178	6.000	589.178	-3.000	6.000	589.178	7.936	587.887	-1.291
1115	9.232	587.034	-2.155			6.000	589.189	6.000	589.189	-3.000	587.693	589.369	-1.676	6.000	589.189	6.000	589.189	-3.000	6.000	589.189	8.257	587.684	-1.505
1116	9.175	587.083	-2.117			6.000	589.200	6.000	589.200	-3.000	587.614	589.380	-1.766	6.000	589.200	6.000	589.200	-3.000	6.000	589.200	8.520	587.520	-1.680
1117	9.006	587.206	-2.004			6.000	589.210	6.000	589.210	-3.000	587.556	589.390	-1.834	6.000	589.210	6.000	589.210	-3.000	6.000	589.210	8.714	587.400	-1.810
1118	10.459	586.249	-2.972			6.000	589.221	6.000	589.221	-3.000	587.476	589.401	-1.925	6.000	589.221	6.000	589.221	-3.000	6.000	589.221	8.645	587.458	-1.763
1119	10.297	586.367	-2.865			6.000	589.232	6.000	589.232	-3.000	587.440	589.412	-1.972	6.000	589.232	6.000	589.232	-3.000	6.000	589.232	8.830	587.345	-1.887
1120	10.192	586.449	-2.794			6.000	589.243	6.000	589.243	-3.000	587.427	589.423	-1.996	6.000	589.243	6.000	589.243	-3.000	6.000	589.243	8.769	587.397	-1.846
1121	10.262	586.412	-2.842			6.000	589.254	6.000	589.254	-3.000	587.417	589.434	-2.017	6.000	589.254	6.000	589.254	-3.000	6.000	589.254	8.908	587.315	-1.939
1122	10.223	586.450	-2.815			6.000	589.265	6.000	589.265	-3.000	587.403	589.445	-2.042	6.000	589.265	6.000	589.265	-3.000	6.000	589.265	8.974	587.282	-1.983
1123	10.237	586.451	-2.825			6.000	589.276	6.000	589.276	-3.000	587.399	589.456	-2.057	6.000	589.276	6.000	589.276	-3.000	6.000	589.276	8.644	587.514	-1.762
1124	10.581	586.232	-3.054			6.000	589.286	6.000	589.286	-3.000	587.471	589.466	-1.995	6.000	589.286	6.000	589.286	-3.000	6.000	589.286	8.706	587.482	-1.804
1125	10.235	586.474	-2.823			6.000	589.297	6.000	589.297	-3.000	587.394	589.477	-2.083	6.000	589.297	6.000	589.297	-3.000	6.000	589.297	9.036	587.273	-2.024
1126	10.273	586.460	-2.848			6.000	589.308	6.000	589.308	-3.000	587.405	589.488	-2.083	6.000	589.308	6.000	589.308	-3.000	6.000	589.308	9.132	587.220	-2.088
1127	10.334	586.429	-2.890			6.000	589.319	6.000	589.319	-3.000	587.510	589.499	-1.989	6.000	589.319	6.000	589.319	-3.000	6.000	589.319	8.966	587.342	-1.977
1128	10.345	586.434	-2.896			6.000	589.330	6.000	589.330	-3.000	587.642	589.510	-1.868	6.000	589.330	6.000	589.330	-3.000	6.000	589.330	8.772	587.482	-1.848
1129	10.138	586.582	-2.759			6.000	589.341	6.000	589.341	-3.000	587.693	589.521	-1.828	6.000	589.341	6.000	589.341	-3.000	6.000	589.341	8.700	587.541	-1.800
1130	10.271	586.505	-2.847			6.000	589.352	6.000	589.352	-3.000	587.791	589.532	-1.741	6.000	589.352	6.000	589.352	-3.000	6.000	589.352	8.636	587.594	-1.758
1131	10.273	586.513	-2.849			6.000	589.362	6.000	589.362	-3.000	587.909	589.542	-1.633	6.000	589.362	6.000	589.362	-3.000	6.000	589.362	8.358	587.790	-1.572
1132	10.068	586.661	-2.712			6.000	589.373	6.000	589.373	-3.000	588.054	589.553	-1.499	6.000	589.373	6.000	589.373	-3.000	6.000	589.373	8.069	587.994	-1.379
1133	9.885	586.794	-2.590			6.000	589.384	6.000	589.384	-3.000	588.122	589.564	-1.442	6.000	589.384	6.000	589.384	-3.000	6.000	589.384	7.880	588.131	-1.253
1134	9.710	586.922	-2.473			6.000	589.395	6.000	589.39														

Nota de Serviço de Terraplenagem																					
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset					
	Distância	Cota	Altura	Distância	Cota	Bordo	%	Terreno	Cota	Projeto	Vermeilha	Distância	Cota	Bordo	%	Distância	Cota	Distância	Cota	Altura	
1152	6.592	591.705	-0.395	6.000	592.100	6.000	592.100	-3.000	591.456	592.280	-0.824	6.000	592.100	6.000	592.100	-3.000	6.000	592.100	6.952	591.465	-0.635
1153	6.671	591.914	-0.448	6.000	592.362	6.000	592.362	-3.000	591.711	592.542	-0.831	6.000	592.362	6.000	592.362	-3.000	6.000	592.362	6.950	591.729	-0.633
1154	6.604	592.222	-0.402	6.000	592.624	6.000	592.624	-3.000	592.046	592.804	-0.758	6.000	592.624	6.000	592.624	-3.000	6.000	592.624	6.679	592.171	-0.453
1155	6.575	592.502	-0.383	6.000	592.885	6.000	592.885	-3.000	592.387	593.065	-0.678	6.000	592.885	6.000	592.885	-3.000	6.000	592.885	6.664	592.442	-0.443
1156	6.441	592.853	-0.294	6.000	593.147	6.000	593.147	-3.000	592.867	593.327	-0.460	6.000	593.147	6.000	593.147	-3.000	6.000	593.147	6.298	592.949	-0.198
1157	6.090	593.349	-0.060	6.000	593.409	6.000	593.409	-3.000	593.534	593.589	-0.055	6.000	593.409	6.000	593.409	-3.000	6.000	593.409	6.217	593.626	0.217
1158	6.283	593.482	-0.189	6.000	593.671	6.000	593.671	-3.000	593.529	593.851	-0.322	6.000	593.671	6.000	593.671	-3.000	6.000	593.671	6.108	593.599	-0.072
1159	6.588	593.541	-0.392	6.000	593.933	6.000	593.933	-3.000	593.347	594.113	-0.766	6.000	593.933	6.000	593.933	-3.000	6.000	593.933	6.777	593.415	-0.518
1160	6.597	593.796	-0.398	6.000	594.194	6.000	594.194	-3.000	593.601	594.374	-0.773	6.000	594.194	6.000	594.194	-3.000	6.000	594.194	6.813	593.652	-0.542
1161	6.478	594.137	-0.319	6.000	594.456	6.000	594.456	-3.000	593.905	594.636	-0.731	6.000	594.456	6.000	594.456	-3.000	6.000	594.456	6.619	594.043	-0.413
1162	6.441	594.424	-0.294	6.000	594.718	6.000	594.718	-3.000	594.195	594.898	-0.703	6.000	594.718	6.000	594.718	-3.000	6.000	594.718	6.811	594.177	-0.541
1163	6.485	594.657	-0.323	6.000	594.980	6.000	594.980	-3.000	594.422	595.160	-0.738	6.000	594.980	6.000	594.980	-3.000	6.000	594.980	6.841	594.419	-0.561
1164	6.300	595.042	-0.200	6.000	595.242	6.000	595.242	-3.000	594.705	595.422	-0.717	6.000	595.242	6.000	595.242	-3.000	6.000	595.242	6.760	594.735	-0.507
1165	6.115	595.427	-0.077	6.000	595.504	6.000	595.504	-3.000	595.085	595.684	-0.599	6.000	595.504	6.000	595.504	-3.000	6.000	595.504	6.077	595.453	-0.051
1166	6.202	595.630	-0.135	6.000	595.765	6.000	595.765	-3.000	595.414	595.945	-0.531	6.000	595.765	6.000	595.765	-3.000	6.000	595.765	6.541	595.404	-0.361
1167	6.306	595.823	-0.204	6.000	596.027	6.000	596.027	-3.000	595.633	596.207	-0.574	6.000	596.027	6.000	596.027	-3.000	6.000	596.027	6.495	595.697	-0.330
1168	6.306	596.085	-0.204	6.000	596.289	6.000	596.289	-3.000	595.833	596.469	-0.636	6.000	596.289	6.000	596.289	-3.000	6.000	596.289	6.498	595.957	-0.332
1169	6.143	596.456	-0.095	6.000	596.551	6.000	596.551	-3.000	596.217	596.731	-0.514	6.000	596.551	6.000	596.551	-3.000	6.000	596.551	6.611	596.144	-0.407
1170	6.283	596.624	-0.189	6.000	596.813	6.000	596.813	-3.000	596.315	596.993	-0.678	6.000	596.813	6.000	596.813	-3.000	6.000	596.813	6.544	596.450	-0.363
1171	6.517	596.730	-0.344	6.000	597.074	6.000	597.074	-3.000	596.595	597.254	-0.659	6.000	597.074	6.000	597.074	-3.000	6.000	597.074	6.536	596.717	-0.357
1172	6.515	596.993	-0.343	6.000	597.336	6.000	597.336	-3.000	596.847	597.516	-0.669	6.000	597.336	6.000	597.336	-3.000	6.000	597.336	6.577	596.951	-0.385
1173	6.279	597.412	-0.186	6.000	597.598	6.000	597.598	-3.000	597.089	597.778	-0.689	6.000	597.598	6.000	597.598	-3.000	6.000	597.598	6.524	597.249	-0.349
1174	6.347	597.629	-0.231	6.000	597.860	6.000	597.860	-3.000	597.563	598.040	-0.477	6.000	597.860	6.000	597.860	-3.000	6.000	597.860	6.131	597.773	-0.087
1175	6.012	598.134	0.012	6.000	598.122	6.000	598.122	-3.000	598.357	598.302	0.055	6.000	598.122	6.000	598.122	-3.000	6.000	598.122	6.410	598.532	0.410
1176	6.155	598.279	-0.104	6.000	598.383	6.000	598.383	-3.000	598.439	598.563	-0.124	6.000	598.383	6.000	598.383	-3.000	6.000	598.383	6.223	598.606	0.223
1177	6.378	598.393	-0.252	6.000	598.645	6.000	598.645	-3.000	598.334	598.825	-0.491	6.000	598.645	6.000	598.645	-3.000	6.000	598.645	6.200	598.512	-0.133
1178	6.313	598.698	-0.209	6.000	598.907	6.000	598.907	-3.000	598.410	599.087	-0.677	6.000	598.907	6.000	598.907	-3.000	6.000	598.907	6.534	598.551	-0.356
1179	6.214	599.027	-0.142	6.000	599.169	6.000	599.169	-3.000	598.667	599.349	-0.682	6.000	599.169	6.000	599.169	-3.000	6.000	599.169	6.639	598.743	-0.426
1180	6.298	599.232	-0.199	6.000	599.431	6.000	599.431	-3.000	598.953	599.611	-0.658	6.000	599.431	6.000	599.431	-3.000	6.000	599.431	6.692	598.970	-0.461
1181	6.304	599.490	-0.203	6.000	599.693	6.000	599.693	-3.000	599.275	599.873	-0.598	6.000	599.693	6.000	599.693	-3.000	6.000	599.693	6.498	599.361	-0.332
1182	6.218	599.809	-0.145	6.000	599.954	6.000	599.954	-3.000	599.437	600.134	-0.697	6.000	599.954	6.000	599.954	-3.000	6.000	599.954	6.726	599.470	-0.484
1183	6.115	600.139	-0.077	6.000	600.216	6.000	600.216	-3.000	599.742	600.396	-0.654	6.000	600.216	6.000	600.216	-3.000	6.000	600.216	6.414	599.940	-0.276
1184	6.029	600.507	0.029	6.000	600.478	6.000	600.478	-3.000	600.142	600.658	-0.516	6.000	600.478	6.000	600.478	-3.000	6.000	600.478	6.503	600.143	-0.335
1185	6.007	600.735	-0.005	6.000	600.740	6.000	600.740	-3.000	600.466	600.920	-0.454	6.000	600.740	6.000	600.740	-3.000	6.000	600.740	6.417	600.462	-0.278
1186	6.117	600.924	-0.078	6.000	601.002	6.000	601.002	-3.000	600.722	601.182	-0.460	6.000	601.002	6.000	601.002	-3.000	6.000	601.002	6.513	600.660	-0.342
1187	6.230	601.110	-0.153	6.000	601.263	6.000	601.263	-3.000	600.996	601.443	-0.447	6.000	601.263	6.000	601.263	-3.000	6.000	601.263	6.468	600.951	-0.312
1188	6.293	601.329	-0.196	6.000	601.525	6.000	601.525	-3.000	601.295	601.705	-0.410	6.000	601.525	6.000	601.525	-3.000	6.000	601.525	6.383	601.270	-0.255
1189	6.224	601.638	-0.149	6.000	601.787	6.000	601.787	-3.000	601.632	601.967	-0.335	6.000	601.787	6.000	601.787	-3.000	6.000	601.787	6.277	601.602	-0.185
1190	6.099	602.148	0.099	6.000	602.049	6.000	602.049	-3.000	602.223	602.229	-0.006	6.000	602.049	6.000	602.049	-3.000	6.000	602.049	6.162	602.211	0.162
1191	6.287	602.598	0.287	6.000	602.311	6.000	602.311	-3.000	602.699	602.491	0.208	6.000	602.311	6.000	602.311	-3.000	6.000	602.311	6.362	602.673	0.362
1192	6.057	602.629	0.057	6.000	602.572	6.000	602.572	-3.000	602.727	602.752	-0.025	6.000	602.572	6.000	602.572	-3.000	6.000	602.572	6.143	602.715	0.143
1193	6.103	602.765	-0.069	6.000	602.834	6.000	602.834	-3.000	602.625	603.014	-0.389	6.000	602.834	6.000	602.834	-3.000	6.000	602.834	6.179	602.715	-0.119
1194	6.331	602.875	-0.																		

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset				
	Distância	Cota	Altura	Distância	Cota	Bordo	%	Terreno	Cota	Projeto	Cota	Vermeilha	Distância	Cota	Bordo	%	Distância	Cota	Distância	Cota
1210	7.039	606.220	-0.693	6.000	606.913	6.000	606.913	-3.000	606.116	607.093	-0.977	6.000	606.913	-3.000	606.913	-3.000	7.290	606.053	-0.860	
1211	7.016	606.419	-0.677	6.000	607.096	6.000	607.096	-3.000	606.323	607.276	-0.953	6.000	607.096	-3.000	607.096	-3.000	7.050	606.396	-0.700	
1212	7.009	606.600	-0.673	6.000	607.273	6.000	607.273	-3.000	606.515	607.473	-0.938	6.000	607.273	-3.000	607.273	-3.000	6.830	606.853	-0.420	
1213	7.028	606.755	-0.686	6.000	607.441	6.000	607.441	-3.000	606.696	607.621	-0.925	6.000	607.441	-3.000	607.441	-3.000	7.208	606.636	-0.805	
1214	6.977	606.952	-0.651	6.000	607.603	6.000	607.603	-3.000	606.917	607.783	-0.866	6.000	607.603	-3.000	607.603	-3.000	6.960	606.963	-0.640	
1215	6.963	607.114	-0.642	6.000	607.756	6.000	607.756	-3.000	607.010	607.936	-0.926	6.000	607.756	-3.000	607.756	-3.000	6.966	607.112	-0.844	
1216	6.870	607.323	-0.580	6.000	607.903	6.000	607.903	-3.000	607.188	608.083	-0.895	6.000	607.903	-3.000	607.903	-3.000	6.976	607.252	-0.651	
1217	6.799	607.509	-0.533	6.000	608.042	6.000	608.042	-3.000	607.474	608.222	-0.748	6.000	608.042	-3.000	608.042	-3.000	6.710	607.569	-0.473	
1218	6.747	607.675	-0.498	6.000	608.173	6.000	608.173	-3.000	607.718	608.353	-0.635	6.000	608.173	-3.000	608.173	-3.000	6.305	607.970	-0.203	
1219	6.674	607.848	-0.449	6.000	608.297	6.000	608.297	-3.000	607.860	608.477	-0.617	6.000	608.297	-3.000	608.297	-3.000	6.716	607.820	-0.477	
1220	6.628	607.995	-0.419	6.000	608.414	6.000	608.414	-3.000	608.269	608.594	-0.325	6.000	608.414	-3.000	608.414	-3.000	6.310	608.207	-0.207	
1221	6.518	608.182	-0.345	6.000	608.527	6.000	608.527	-3.000	608.574	608.707	-0.133	6.000	608.527	-3.000	608.527	-3.000	6.057	608.584	0.057	
1222	6.710	608.166	-0.473	6.000	608.639	6.000	608.639	-3.000	608.616	608.819	-0.203	6.000	608.639	-3.000	608.639	-3.000	6.045	608.609	-0.030	
1223	6.491	608.424	-0.328	6.000	608.752	6.000	608.752	-3.000	608.342	608.932	-0.590	6.000	608.752	-3.000	608.752	-3.000	6.474	608.436	-0.316	
1224	6.402	608.597	-0.268	6.000	608.865	6.000	608.865	-3.000	608.778	609.045	-0.267	6.000	608.865	-3.000	608.865	-3.000	6.062	608.927	0.062	
1225	6.574	608.596	-0.382	6.000	608.978	6.000	608.978	-3.000	608.572	609.158	-0.586	6.000	608.978	-3.000	608.978	-3.000	6.533	608.623	-0.355	
1226	6.614	608.682	-0.409	6.000	609.091	6.000	609.091	-3.000	608.633	609.271	-0.638	6.000	609.091	-3.000	609.091	-3.000	6.579	608.705	-0.386	
1227	6.543	608.842	-0.362	6.000	609.204	6.000	609.204	-3.000	608.745	609.384	-0.639	6.000	609.204	-3.000	609.204	-3.000	6.639	608.778	-0.426	
1228	6.537	608.959	-0.358	6.000	609.317	6.000	609.317	-3.000	608.867	609.497	-0.630	6.000	609.317	-3.000	609.317	-3.000	6.623	608.902	-0.415	
1229	6.540	609.070	-0.360	6.000	609.430	6.000	609.430	-3.000	609.020	609.610	-0.590	6.000	609.430	-3.000	609.430	-3.000	6.036	609.406	-0.024	
1230	6.470	609.229	-0.313	6.000	609.542	6.000	609.542	-3.000	609.145	609.722	-0.577	6.000	609.542	-3.000	609.542	-3.000	6.454	609.240	-0.302	
1231	6.577	609.270	-0.385	6.000	609.655	6.000	609.655	-3.000	609.241	609.835	-0.594	6.000	609.655	-3.000	609.655	-3.000	6.790	609.129	-0.526	
1232	6.482	609.447	-0.321	6.000	609.768	6.000	609.768	-3.000	609.342	609.948	-0.606	6.000	609.768	-3.000	609.768	-3.000	6.424	609.485	-0.283	
1233	6.512	609.540	-0.341	6.000	609.881	6.000	609.881	-3.000	609.473	610.061	-0.588	6.000	609.881	-3.000	609.881	-3.000	6.633	609.459	-0.422	
1234	6.603	609.592	-0.402	6.000	609.994	6.000	609.994	-3.000	609.536	610.174	-0.638	6.000	609.994	-3.000	609.994	-3.000	6.453	609.692	-0.302	
1235	6.539	609.748	-0.359	6.000	610.107	6.000	610.107	-3.000	609.644	610.287	-0.643	6.000	610.107	-3.000	610.107	-3.000	6.856	609.536	-0.571	
1236	6.649	609.787	-0.433	6.000	610.220	6.000	610.220	-3.000	609.741	610.400	-0.659	6.000	610.220	-3.000	610.220	-3.000	6.722	609.739	-0.481	
1237	6.684	609.874	-0.456	6.000	610.330	6.000	610.330	-3.000	609.872	610.510	-0.638	6.000	610.330	-3.000	610.330	-3.000	6.801	609.796	-0.534	
1238	6.244	610.272	-0.162	6.000	610.434	6.000	610.434	-3.000	610.376	610.614	-0.238	6.000	610.434	-3.000	610.434	-3.000	6.024	610.418	-0.016	
1239	6.560	610.160	-0.373	6.000	610.533	6.000	610.533	-3.000	610.484	610.713	-0.229	6.000	610.533	-3.000	610.533	-3.000	6.116	610.455	-0.078	
1240	6.473	610.310	-0.315	6.000	610.625	6.000	610.625	-3.000	610.287	610.805	-0.518	6.000	610.625	-3.000	610.625	-3.000	6.409	610.352	-0.273	
1241	6.766	610.202	-0.511	6.000	610.713	6.000	610.713	-3.000	610.046	610.893	-0.847	6.000	610.713	-3.000	610.713	-3.000	6.632	610.292	-0.421	
1242	6.847	610.229	-0.565	6.000	610.794	6.000	610.794	-3.000	610.124	610.974	-0.850	6.000	610.794	-3.000	610.794	-3.000	6.965	610.150	-0.644	
1243	6.812	610.328	-0.542	6.000	610.870	6.000	610.870	-3.000	610.180	611.050	-0.870	6.000	610.870	-3.000	610.870	-3.000	7.061	610.163	-0.707	
1244	6.710	610.466	-0.474	6.000	610.940	6.000	610.940	-3.000	610.252	611.120	-0.868	6.000	610.940	-3.000	610.940	-3.000	6.887	610.349	-0.591	
1245	6.818	610.460	-0.545	6.000	611.005	6.000	611.005	-3.000	610.283	611.185	-0.902	6.000	611.005	-3.000	611.005	-3.000	6.952	610.370	-0.635	
1246	6.926	610.446	-0.617	6.000	611.063	6.000	611.063	-3.000	610.354	611.243	-0.889	6.000	611.063	-3.000	611.063	-3.000	7.065	610.353	-0.710	
1247	7.001	610.448	-0.668	6.000	611.116	6.000	611.116	-3.000	610.411	611.296	-0.885	6.000	611.116	-3.000	611.116	-3.000	6.832	610.562	-0.554	
1248	6.833	610.609	-0.555	6.000	611.164	6.000	611.164	-3.000	610.494	611.344	-0.850	6.000	611.164	-3.000	611.164	-3.000	7.079	610.445	-0.719	
1249	6.799	610.674	-0.532	6.000	611.206	6.000	611.206	-3.000	610.478	611.386	-0.908	6.000	611.206	-3.000	611.206	-3.000	7.015	610.530	-0.676	
1250	6.821	610.693	-0.548	6.000	611.241	6.000	611.241	-3.000	610.573	611.421	-0.848	6.000	611.241	-3.000	611.241	-3.000	6.874	610.658	-0.583	
1251	6.808	610.733	-0.539	6.000	611.272	6.000	611.272	-3.000	610.584	611.452	-0.868	6.000	611.272	-3.000	611.272	-3.000	7.051	610.572	-0.700	
1252	6.828	610.744	-0.552	6.000	611.296	6.000	611.296	-3.000	610.626	611.476	-0.850	6.000	611.296	-3.000	611.296	-3.000	6.896	610.832	-0.464	
1253	6.787	610.790	-0.525	6.000	611.315	6.000	611.315	-3.000	610.851	611.495	-0.644	6.000	611.315	-3.000	611.315	-3.000	6.863	610.740	-0.575	
1254	6.498	610.996	-0.332	6.000	611.328	6.000	611.328	-3.000	611.204	611.508	-0.304	6.000	611.328	-3.000	611.328	-3.000	6.237	611.170	-0.158	
1255	6.223	611.187	-0.149	6.000	611.336	6.000	611.336													

Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Estaca	Offset			Banqueta			Bordo			Eixo			Crista de Corte em Rocha			Offset			
	Distância	Cota	Altura	Distância	Cota	Distância	%	Cota	Terreno	Projeto	Cota	Vermeilha	Distância	Cota	%	Distância	Cota	Altura	
1268	6.712	610.851	-0.474	6.000	611.325	6.000	611.325	-3.000	610.970	611.505	-0.535	6.000	611.325	-3.000	6.000	611.325	6.697	610.860	-0.465
1269	6.653	610.888	-0.436	6.000	611.324	6.000	611.324	-3.000	611.013	611.504	-0.491	6.000	611.324	-3.000	6.000	611.324	6.484	611.001	-0.323
1270	6.447	611.025	-0.298	6.000	611.323	6.000	611.323	-3.000	611.160	611.503	-0.343	6.000	611.323	-3.000	6.000	611.323	6.237	611.165	-0.158
1271	6.029	611.351	0.029	6.000	611.322	6.000	611.322	-3.000	611.385	611.502	-0.117	6.000	611.322	-3.000	6.000	611.322	6.112	611.247	-0.075
1272	6.440	611.761	0.440	6.000	611.321	6.000	611.321	-3.000	611.723	611.501	0.222	6.000	611.321	-3.000	6.000	611.321	6.302	611.623	0.302
1273	6.089	611.409	0.089	6.000	611.320	6.000	611.320	-3.000	611.433	611.500	-0.067	6.000	611.320	-3.000	6.000	611.320	6.112	611.245	-0.075
1274	6.296	611.121	-0.198	6.000	611.319	6.000	611.319	-3.000	611.224	611.499	-0.275	6.000	611.319	-3.000	6.000	611.319	6.190	611.193	-0.126
1275	6.571	610.937	-0.381	6.000	611.318	6.000	611.318	-3.000	611.008	611.498	-0.490	6.000	611.318	-3.000	6.000	611.318	6.504	610.982	-0.336
1276	7.476	610.333	-0.984	6.000	611.317	6.000	611.317	-3.000	610.950	611.497	-0.547	6.000	611.317	-3.000	6.000	611.317	6.738	610.825	-0.492
1277	6.686	610.859	-0.457	6.000	611.316	6.000	611.316	-3.000	610.925	611.496	-0.571	6.000	611.316	-3.000	6.000	611.316	6.574	610.934	-0.382
1278	6.436	611.024	-0.291	6.000	611.315	6.000	611.315	-3.000	611.004	611.495	-0.491	6.000	611.315	-3.000	6.000	611.315	6.544	610.952	-0.363
1279	6.481	610.993	-0.321	6.000	611.314	6.000	611.314	-3.000	611.100	611.494	-0.394	6.000	611.314	-3.000	6.000	611.314	6.749	610.815	-0.499
1280	6.284	611.124	-0.189	6.000	611.313	6.000	611.313	-3.000	611.111	611.493	-0.382	6.000	611.313	-3.000	6.000	611.313	6.511	610.972	-0.341
1281	6.395	611.048	-0.263	6.000	611.311	6.000	611.311	-3.000	611.064	611.491	-0.427	6.000	611.311	-3.000	6.000	611.311	6.114	611.235	-0.076
1282	6.459	611.004	-0.306	6.000	611.310	6.000	611.310	-3.000	611.021	611.490	-0.469	6.000	611.310	-3.000	6.000	611.310	6.508	610.971	-0.339
1283	6.495	610.979	-0.330	6.000	611.309	6.000	611.309	-3.000	611.036	611.489	-0.453	6.000	611.309	-3.000	6.000	611.309	6.516	610.965	-0.344
1284	6.366	611.064	-0.244	6.000	611.308	6.000	611.308	-3.000	611.009	611.488	-0.479	6.000	611.308	-3.000	6.000	611.308	6.569	610.929	-0.379
1285	6.190	611.181	-0.126	6.000	611.307	6.000	611.307	-3.000	610.988	611.487	-0.499	6.000	611.307	-3.000	6.000	611.307	6.603	610.905	-0.402
1286	6.462	610.998	-0.308	6.000	611.306	6.000	611.306	-3.000	611.004	611.486	-0.482	6.000	611.306	-3.000	6.000	611.306	6.403	611.038	-0.268
1287	6.681	610.851	-0.454	6.000	611.305	6.000	611.305	-3.000	611.029	611.485	-0.456	6.000	611.305	-3.000	6.000	611.305	6.693	610.843	-0.462
1288	6.364	611.061	-0.243	6.000	611.304	6.000	611.304	-3.000	611.292	611.484	-0.192	6.000	611.304	-3.000	6.000	611.304	6.417	611.026	-0.278
1289	6.050	611.353	0.050	6.000	611.303	6.000	611.303	-3.000	611.627	611.483	0.144	6.000	611.303	-3.000	6.000	611.303	6.285	611.588	0.285
1290	6.530	610.949	-0.353	6.000	611.302	6.000	611.302	-3.000	611.234	611.482	-0.248	6.000	611.302	-3.000	6.000	611.302	6.317	611.091	-0.211
1291	6.848	610.736	-0.565	6.000	611.301	6.000	611.301	-3.000	610.945	611.481	-0.536	6.000	611.301	-3.000	6.000	611.301	6.761	610.794	-0.507
1292	6.417	611.022	-0.278	6.000	611.300	6.000	611.300	-3.000	610.916	611.480	-0.564	6.000	611.300	-3.000	6.000	611.300	6.468	610.988	-0.312
1293	6.409	611.026	-0.273	6.000	611.299	6.000	611.299	-3.000	610.907	611.479	-0.572	6.000	611.299	-3.000	6.000	611.299	6.315	611.089	-0.210
1294	6.357	611.060	-0.238	6.000	611.298	6.000	611.298	-3.000	610.964	611.478	-0.514	6.000	611.298	-3.000	6.000	611.298	6.714	610.822	-0.476
1295	6.475	610.980	-0.317	6.000	611.297	6.000	611.297	-3.000	610.936	611.477	-0.541	6.000	611.297	-3.000	6.000	611.297	6.763	610.788	-0.509
1296	6.432	611.008	-0.288	6.000	611.296	6.000	611.296	-3.000	610.923	611.476	-0.553	6.000	611.296	-3.000	6.000	611.296	6.443	611.001	-0.295
1297	6.559	610.922	-0.373	6.000	611.295	6.000	611.295	-3.000	610.920	611.475	-0.555	6.000	611.295	-3.000	6.000	611.295	6.443	611.000	-0.295
1298	6.467	610.983	-0.311	6.000	611.294	6.000	611.294	-3.000	610.935	611.474	-0.539	6.000	611.294	-3.000	6.000	611.294	6.912	610.686	-0.608
1299	6.521	610.946	-0.347	6.000	611.293	6.000	611.293	-3.000	610.923	611.473	-0.550	6.000	611.293	-3.000	6.000	611.293	6.872	610.712	-0.581
1300	6.469	610.979	-0.313	6.000	611.292	6.000	611.292	-3.000	610.859	611.472	-0.613	6.000	611.292	-3.000	6.000	611.292	6.485	610.969	-0.323
1301	6.426	611.006	-0.284	6.000	611.290	6.000	611.290	-3.000	610.832	611.470	-0.638	6.000	611.290	-3.000	6.000	611.290	6.719	610.810	-0.480
1302	6.491	610.962	-0.327	6.000	611.289	6.000	611.289	-3.000	610.882	611.469	-0.587	6.000	611.289	-3.000	6.000	611.289	6.884	610.700	-0.589
1303	6.573	610.906	-0.382	6.000	611.288	6.000	611.288	-3.000	610.856	611.468	-0.612	6.000	611.288	-3.000	6.000	611.288	6.744	610.792	-0.496
1304	6.603	610.885	-0.402	6.000	611.287	6.000	611.287	-3.000	610.759	611.467	-0.708	6.000	611.287	-3.000	6.000	611.287	6.838	610.729	-0.558
1305	6.501	610.952	-0.334	6.000	611.286	6.000	611.286	-3.000	610.771	611.466	-0.695	6.000	611.286	-3.000	6.000	611.286	6.354	611.050	-0.236
1306	6.626	610.867	-0.418	6.000	611.285	6.000	611.285	-3.000	610.743	611.465	-0.722	6.000	611.285	-3.000	6.000	611.285	7.053	610.583	-0.702
1307	6.917	610.673	-0.611	6.000	611.284	6.000	611.284	-3.000	610.879	611.464	-0.585	6.000	611.284	-3.000	6.000	611.284	6.995	610.620	-0.664
1308	6.153	611.181	-0.102	6.000	611.283	6.000	611.283	-3.000	611.334	611.463	-0.129	6.000	611.283	-3.000	6.000	611.283	6.091	611.223	-0.060
1309	6.042	611.254	-0.028	6.000	611.282	6.000	611.282	-3.000	611.359	611.462	-0.103	6.000	611.282	-3.000	6.000	611.282	6.010	611.292	0.010
1310	6.160	611.175	-0.106	6.000	611.281	6.000	611.281	-3.000	611.085	611.461	-0.376	6.000	611.281	-3.000	6.000	611.281	6.263	611.105	-0.176
1311	6.465	610.970	-0.310	6.000	611.280	6.000	611.280	-3.000	610.862	611.460	-0.598	6.000	611.280	-3.000	6.000	611.280	6.183	611.158	-0.122
1312	6.579	610.893	-0.386	6.000	611.279	6.000	611.279	-3.000	610.851	611.459	-0.608	6.000	611.279	-3.000	6.000	611.279	6.446	610.982	-0.297
1313	6.554	610.909	-0.369	6.000	611.278	6.000	611.278	-3.000	610.903	611.458	-0.555	6.000	611.278	-3.000	6.000	611.278	6.784	610.755	-0.523
1314	6.562	610.903	-0.374	6.000	611.277	6.000	611.277	-3.000	610.878	611.457	-0.579	6.000	611.277	-3.000	6.000	611.277			

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset			
	Distância	Cota	Altura	Distância	Bordo	%	Cota	Terreno	Cota	Projeto	Vermeilha	Distância	Bordo	Cota	%	Distância	Cota	Distância	Cota	Altura
1326	6.199	611.114	-0.132	6.000	611.246	-3.000	611.058	611.426	-0.368	6.000	611.246	-3.000	6.000	611.246	-3.000	6.517	610.902	-0.344		
1327	7.243	610.395	-0.828	6.000	611.223	-3.000	610.728	611.403	-0.675	6.000	611.223	-3.000	6.000	611.223	-3.000	6.629	610.804	-0.419		
1328	6.855	610.620	-0.570	6.000	611.190	-3.000	610.458	611.370	-0.912	6.000	611.190	-3.000	6.000	611.190	-3.000	6.967	610.546	-0.844		
1329	6.825	610.603	-0.550	6.000	611.153	-3.000	610.472	611.333	-0.861	6.000	611.153	-3.000	6.000	611.153	-3.000	6.700	610.686	-0.467		
1330	6.802	610.581	-0.534	6.000	611.115	-3.000	610.515	611.295	-0.780	6.000	611.115	-3.000	6.000	611.115	-3.000	6.574	610.732	-0.383		
1331	6.756	610.574	-0.504	6.000	611.078	-3.000	610.452	611.258	-0.806	6.000	611.078	-3.000	6.000	611.078	-3.000	6.759	610.572	-0.506		
1332	6.838	610.482	-0.559	6.000	611.041	-3.000	610.413	611.221	-0.808	6.000	611.041	-3.000	6.000	611.041	-3.000	6.670	610.595	-0.446		
1333	6.678	610.552	-0.452	6.000	611.004	-3.000	610.426	611.184	-0.758	6.000	611.004	-3.000	6.000	611.004	-3.000	6.967	610.360	-0.844		
1334	6.664	610.525	-0.442	6.000	610.967	-3.000	610.370	611.147	-0.777	6.000	610.967	-3.000	6.000	610.967	-3.000	6.902	610.365	-0.802		
1335	6.640	610.504	-0.426	6.000	610.930	-3.000	610.323	611.110	-0.787	6.000	610.930	-3.000	6.000	610.930	-3.000	6.742	610.435	-0.495		
1336	6.539	610.532	-0.360	6.000	610.892	-3.000	610.300	611.072	-0.772	6.000	610.892	-3.000	6.000	610.892	-3.000	6.704	610.423	-0.469		
1337	6.722	610.374	-0.481	6.000	610.855	-3.000	610.271	611.035	-0.764	6.000	610.855	-3.000	6.000	610.855	-3.000	6.938	610.230	-0.625		
1338	6.638	610.393	-0.425	6.000	610.818	-3.000	610.250	610.998	-0.748	6.000	610.818	-3.000	6.000	610.818	-3.000	6.619	610.405	-0.413		
1339	6.526	610.431	-0.350	6.000	610.781	-3.000	610.218	610.961	-0.743	6.000	610.781	-3.000	6.000	610.781	-3.000	6.877	610.196	-0.585		
1340	6.581	610.357	-0.387	6.000	610.744	-3.000	610.176	610.924	-0.748	6.000	610.744	-3.000	6.000	610.744	-3.000	6.712	610.269	-0.475		
1341	6.573	610.325	-0.382	6.000	610.707	-3.000	610.137	610.887	-0.750	6.000	610.707	-3.000	6.000	610.707	-3.000	6.554	610.337	-0.370		
1342	6.585	610.279	-0.390	6.000	610.669	-3.000	610.061	610.849	-0.788	6.000	610.669	-3.000	6.000	610.669	-3.000	6.328	610.450	-0.219		
1343	6.856	610.061	-0.571	6.000	610.632	-3.000	610.202	610.812	-0.610	6.000	610.632	-3.000	6.000	610.632	-3.000	6.607	610.227	-0.405		
1344	6.343	610.367	-0.228	6.000	610.595	-3.000	610.521	610.775	-0.254	6.000	610.595	-3.000	6.000	610.595	-3.000	6.372	610.347	-0.248		
1345	6.112	610.483	-0.075	6.000	610.558	-3.000	610.584	610.738	-0.154	6.000	610.558	-3.000	6.000	610.558	-3.000	6.080	610.505	-0.053		
1346	6.612	610.113	-0.408	6.000	610.521	-3.000	610.017	610.701	-0.684	6.000	610.521	-3.000	6.000	610.521	-3.000	6.826	609.970	-0.551		
1347	6.710	610.010	-0.473	6.000	610.483	-3.000	609.838	610.663	-0.825	6.000	610.483	-3.000	6.000	610.483	-3.000	6.766	609.973	-0.510		
1348	6.661	610.005	-0.441	6.000	610.446	-3.000	609.864	610.626	-0.762	6.000	610.446	-3.000	6.000	610.446	-3.000	6.666	610.002	-0.444		
1349	6.483	610.087	-0.322	6.000	610.409	-3.000	609.861	610.589	-0.728	6.000	610.409	-3.000	6.000	610.409	-3.000	6.700	609.942	-0.467		
1350	6.476	610.055	-0.317	6.000	610.372	-3.000	609.798	610.552	-0.754	6.000	610.372	-3.000	6.000	610.372	-3.000	6.794	609.843	-0.529		
1351	6.591	609.941	-0.394	6.000	610.335	-3.000	609.685	610.515	-0.830	6.000	610.335	-3.000	6.000	610.335	-3.000	6.656	609.898	-0.437		
1352	6.667	609.854	-0.444	6.000	610.298	-3.000	609.703	610.478	-0.775	6.000	610.298	-3.000	6.000	610.298	-3.000	6.611	609.891	-0.407		
1353	6.705	609.790	-0.470	6.000	610.260	-3.000	609.692	610.440	-0.748	6.000	610.260	-3.000	6.000	610.260	-3.000	6.649	609.828	-0.432		
1354	6.747	609.725	-0.498	6.000	610.223	-3.000	609.615	610.403	-0.788	6.000	610.223	-3.000	6.000	610.223	-3.000	6.792	609.695	-0.528		
1355	6.610	609.779	-0.407	6.000	610.186	-3.000	609.568	610.366	-0.798	6.000	610.186	-3.000	6.000	610.186	-3.000	6.627	609.768	-0.418		
1356	6.610	609.742	-0.407	6.000	610.149	-3.000	609.518	610.329	-0.811	6.000	610.149	-3.000	6.000	610.149	-3.000	6.825	609.599	-0.550		
1357	6.604	609.710	-0.402	6.000	610.112	-3.000	609.492	610.292	-0.800	6.000	610.112	-3.000	6.000	610.112	-3.000	6.793	609.583	-0.529		
1358	6.555	609.704	-0.370	6.000	610.074	-3.000	609.451	610.254	-0.803	6.000	610.074	-3.000	6.000	610.074	-3.000	6.835	609.518	-0.556		
1359	6.736	609.546	-0.491	6.000	610.037	-3.000	609.429	610.217	-0.788	6.000	610.037	-3.000	6.000	610.037	-3.000	6.794	609.508	-0.529		
1360	6.764	609.491	-0.509	6.000	610.000	-3.000	609.398	610.180	-0.782	6.000	610.000	-3.000	6.000	610.000	-3.000	6.786	609.476	-0.524		
1361	6.972	609.315	-0.648	6.000	609.963	-3.000	609.495	610.143	-0.648	6.000	609.963	-3.000	6.000	609.963	-3.000	7.139	609.204	-0.759		
1362	6.000	609.926		6.000	609.926	-3.000	610.050	610.106	-0.056	6.000	609.926	-3.000	6.000	609.926	-3.000	6.100	610.026	0.100		
1363	6.523	609.540	-0.349	6.000	609.889	-3.000	609.829	610.069	-0.440	6.000	609.889	-3.000	6.000	609.889	-3.000	6.520	609.542	-0.347		
1364	6.464	609.542	-0.309	6.000	609.851	-3.000	609.850	610.031	-0.681	6.000	609.851	-3.000	6.000	609.851	-3.000	6.616	609.440	-0.411		
1365	6.764	609.305	-0.509	6.000	609.814	-3.000	609.142	609.994	-0.852	6.000	609.814	-3.000	6.000	609.814	-3.000	6.927	609.196	-0.618		
1366	6.677	609.326	-0.451	6.000	609.777	-3.000	609.162	609.957	-0.795	6.000	609.777	-3.000	6.000	609.777	-3.000	6.758	609.271	-0.506		
1367	6.699	609.274	-0.466	6.000	609.740	-3.000	609.134	609.920	-0.786	6.000	609.740	-3.000	6.000	609.740	-3.000	6.760	609.234	-0.506		
1368	6.588	609.311	-0.392	6.000	609.703	-3.000	609.103	609.883	-0.780	6.000	609.703	-3.000	6.000	609.703	-3.000	6.791	609.176	-0.527		
1369	6.516	609.321	-0.344	6.000	609.665	-3.000	609.078	609.845	-0.767	6.000	609.665	-3.000	6.000	609.665	-3.000	6.420	609.385	-0.280		
1370	6.431	609.340	-0.288	6.000	609.628	-3.000	609.073	609.808	-0.735	6.000	609.628	-3.000	6.000	609.628	-3.000	6.679	609.175	-0.453		
1371	6.417	609.313	-0.278	6.000	609.591	-3.000	609.068	609.771	-0.703	6.000	609.591	-3.000	6.000	609.591	-3.000	6.857	609.020	-0.571		
1372	6.409	609.281	-0.273	6.000	609.554	-3.000	609.066	609.734	-0.668	6.000	609.554	-3.000	6.000	609.554	-3.000	6.986	609.163	-0.391		
1373	6.542	609.156	-0.361																	

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito			
	Distância	Cota	Altura	Offset	Distância	Cota	Terreno	Cota	Distância	Cota	Terreno	Cota
1384	6.292	608.914	-0.194		6.000	609.108	-3.000	608.690	6.000	609.108	-3.000	608.690
1385	6.294	608.875	-0.196		6.000	609.071	-3.000	608.583	6.000	609.071	-3.000	608.583
1386	6.378	608.781	-0.252		6.000	609.033	-3.000	608.577	6.000	609.033	-3.000	608.577
1387	6.686	608.539	-0.457		6.000	608.996	-3.000	608.509	6.000	608.996	-3.000	608.509
1388	6.499	608.626	-0.333		6.000	608.959	-3.000	608.431	6.000	608.959	-3.000	608.431
1389	6.250	608.575	-0.347		6.000	608.922	-3.000	608.427	6.000	608.922	-3.000	608.427
1390	6.795	608.355	-0.530		6.000	608.885	-3.000	608.435	6.000	608.885	-3.000	608.435
1391	6.250	608.682	-0.166		6.000	608.848	-3.000	608.730	6.000	608.848	-3.000	608.730
1392	6.193	609.003	0.193		6.000	608.810	-3.000	608.956	6.000	608.810	-3.000	608.956
1393	6.083	608.718	-0.055		6.000	608.773	-3.000	608.867	6.000	608.773	-3.000	608.867
1394	6.309	608.530	-0.206		6.000	608.736	-3.000	608.399	6.000	608.736	-3.000	608.399
1395	6.355	608.462	-0.237		6.000	608.699	-3.000	608.879	6.000	608.699	-3.000	608.879
1396	6.449	608.363	-0.299		6.000	608.662	-3.000	608.175	6.000	608.662	-3.000	608.175
1397	6.239	608.465	-0.159		6.000	608.624	-3.000	608.215	6.000	608.624	-3.000	608.215
1398	6.287	608.396	-0.191		6.000	608.587	-3.000	608.154	6.000	608.587	-3.000	608.154
1399	6.276	608.366	-0.184		6.000	608.550	-3.000	608.135	6.000	608.550	-3.000	608.135
1400	6.258	608.341	-0.172		6.000	608.513	-3.000	608.084	6.000	608.513	-3.000	608.084
1401	6.252	608.308	-0.168		6.000	608.476	-3.000	608.088	6.000	608.476	-3.000	608.088
1402	6.242	608.278	-0.161		6.000	608.439	-3.000	608.026	6.000	608.439	-3.000	608.026
1403	6.298	608.203	-0.198		6.000	608.401	-3.000	607.990	6.000	608.401	-3.000	607.990
1404	6.228	608.212	-0.152		6.000	608.364	-3.000	607.957	6.000	608.364	-3.000	607.957
1405	6.619	607.914	-0.413		6.000	608.327	-3.000	607.921	6.000	608.327	-3.000	607.921
1406	6.550	607.923	-0.367		6.000	608.290	-3.000	607.822	6.000	608.290	-3.000	607.822
1407	6.319	608.041	-0.212		6.000	608.253	-3.000	608.036	6.000	608.253	-3.000	608.036
1408	6.182	608.397	0.182		6.000	608.215	-3.000	608.435	6.000	608.215	-3.000	608.435
1409	6.043	608.221	0.043		6.000	608.178	-3.000	608.313	6.000	608.178	-3.000	608.313
1410	6.591	607.747	-0.394		6.000	608.141	-3.000	607.810	6.000	608.141	-3.000	607.810
1411	6.504	607.768	-0.336		6.000	608.104	-3.000	607.623	6.000	608.104	-3.000	607.623
1412	6.409	607.795	-0.272		6.000	608.067	-3.000	607.550	6.000	608.067	-3.000	607.550
1413	6.415	607.753	-0.277		6.000	608.030	-3.000	607.533	6.000	608.030	-3.000	607.533
1414	6.443	607.697	-0.295		6.000	607.992	-3.000	607.482	6.000	607.992	-3.000	607.482
1415	6.573	607.573	-0.382		6.000	607.955	-3.000	607.407	6.000	607.955	-3.000	607.407
1416	6.510	607.578	-0.340		6.000	607.918	-3.000	607.383	6.000	607.918	-3.000	607.383
1417	6.419	607.602	-0.279		6.000	607.881	-3.000	607.353	6.000	607.881	-3.000	607.353
1418	6.416	607.567	-0.277		6.000	607.844	-3.000	607.334	6.000	607.844	-3.000	607.334
1419	6.477	607.488	-0.318		6.000	607.806	-3.000	607.261	6.000	607.806	-3.000	607.261
1420	6.794	607.240	-0.529		6.000	607.769	-3.000	607.220	6.000	607.769	-3.000	607.220
1421	6.987	607.074	-0.658		6.000	607.732	-3.000	607.142	6.000	607.732	-3.000	607.142
1422	6.633	607.273	-0.422		6.000	607.695	-3.000	607.368	6.000	607.695	-3.000	607.368
1423	6.107	607.765	0.107		6.000	607.658	-3.000	607.760	6.000	607.658	-3.000	607.760
1424	6.698	607.156	-0.465		6.000	607.621	-3.000	607.445	6.000	607.621	-3.000	607.445
1425	6.337	607.358	-0.225		6.000	607.583	-3.000	607.311	6.000	607.583	-3.000	607.311
1426	6.702	607.078	-0.468		6.000	607.546	-3.000	606.870	6.000	607.546	-3.000	606.870
1427	6.619	607.096	-0.435		6.000	607.509	-3.000	606.828	6.000	607.509	-3.000	606.828
1428	6.653	607.037	-0.435		6.000	607.472	-3.000	606.783	6.000	607.472	-3.000	606.783
1429	6.630	607.015	-0.420		6.000	607.435	-3.000	606.754	6.000	607.435	-3.000	606.754
1430	6.747	606.899	-0.498		6.000	607.397	-3.000	606.622	6.000	607.397	-3.000	606.622
1431	6.824	606.808	-0.549		6.000	607.357	-3.000	606.656	6.000	607.357	-3.000	606.656
1432	6.743	606.820	-0.495		6.000	607.315	-3.000	606.654	6.000	607.315	-3.000	606.654
1433	6.725	606.788	-0.493		6.000	607.271	-3.000	606.591	6.000	607.271	-3.000	606.591
1434	6.751	606.726	-0.500		6.000	607.226	-3.000	606.554	6.000	607.226	-3.000	606.554
1435	6.821	606.634	-0.547		6.000	607.181	-3.000	606.546	6.000	607.181	-3.000	606.546
1436	7.014	606.461	-0.676		6.000	607.137	-3.000	606.429	6.000	607.137	-3.000	606.429
1437	6.797	606.560	-0.532		6.000	607.092	-3.000	606.379	6.000	607.092	-3.000	606.379
1438	6.801	606.513	-0.534		6.000	607.047	-3.000	606.326	6.000	607.047	-3.000	606.326
1439	6.815	606.459	-0.543		6.000	607.002	-3.000	606.347	6.000	607.002	-3.000	606.347
1440	7.273	606.109	-0.849		6.000	606.958	-3.000	606.482	6.000	606.958	-3.000	606.482
1441	6.264	606.737	-0.176		6.000	606.913	-3.000	606.952	6.000	606.913	-3.000	606.952

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo						Eixo				Lado Direito						
	Banqueta			Bordo			Cota	Projeto	Cota	Vermelha	Crista de Corte em Rocha			Offset			
	Distância	Cota	Distância	Distância	Cota	%					Distância	Cota	Distância	Cota	Distância	Cota	Distância
1442	6.453	606.566	-0.302	6.000	606.868	-3.000	606.600	607.048	-0.448	6.000	606.868	-3.000	6.000	606.868	6.562	606.494	-0.374
1443	6.663	606.381	-0.442	6.000	606.823	-3.000	606.260	607.003	-0.743	6.000	606.823	-3.000	6.000	606.823	6.710	606.350	-0.473
1444	6.721	606.298	-0.481	6.000	606.779	-3.000	606.048	606.959	-0.913	6.000	606.779	-3.000	6.000	606.779	7.005	606.109	-0.670
1445	7.001	606.067	-0.667	6.000	606.734	-3.000	606.020	606.914	-0.894	6.000	606.734	-3.000	6.000	606.734	7.034	606.045	-0.689
1446	6.887	606.098	-0.591	6.000	606.689	-3.000	605.978	606.869	-0.891	6.000	606.689	-3.000	6.000	606.689	7.244	605.860	-0.829
1447	6.844	606.081	-0.563	6.000	606.644	-3.000	605.931	606.824	-0.893	6.000	606.644	-3.000	6.000	606.644	7.021	605.963	-0.681
1448	6.686	606.142	-0.458	6.000	606.600	-3.000	605.879	606.780	-0.901	6.000	606.600	-3.000	6.000	606.600	6.725	606.117	-0.483
1449	6.800	606.022	-0.533	6.000	606.555	-3.000	605.809	606.735	-0.926	6.000	606.555	-3.000	6.000	606.555	6.653	606.120	-0.435
1450	6.767	605.999	-0.511	6.000	606.510	-3.000	605.797	606.690	-0.893	6.000	606.510	-3.000	6.000	606.510	6.874	605.928	-0.582
1451	6.656	606.028	-0.437	6.000	606.465	-3.000	605.786	606.645	-0.859	6.000	606.465	-3.000	6.000	606.465	6.874	605.882	-0.583
1452	6.679	605.968	-0.453	6.000	606.421	-3.000	605.728	606.601	-0.873	6.000	606.421	-3.000	6.000	606.421	6.937	605.796	-0.625
1453	6.573	605.994	-0.382	6.000	606.376	-3.000	605.651	606.556	-0.905	6.000	606.376	-3.000	6.000	606.376	7.075	605.659	-0.717
1454	6.690	605.871	-0.460	6.000	606.331	-3.000	605.601	606.511	-0.910	6.000	606.331	-3.000	6.000	606.331	7.183	605.542	-0.788
1455	6.558	605.914	-0.372	6.000	606.286	-3.000	605.546	606.466	-0.920	6.000	606.286	-3.000	6.000	606.286	6.852	605.718	-0.568
1456	6.823	605.693	-0.549	6.000	606.242	-3.000	605.477	606.422	-0.945	6.000	606.242	-3.000	6.000	606.242	6.931	605.621	-0.621
1457	6.970	605.551	-0.646	6.000	606.197	-3.000	605.603	606.372	-0.774	6.000	606.197	-3.000	6.000	606.197	7.176	605.413	-0.784
1458	6.782	605.631	-0.521	6.000	606.152	-3.000	605.963	606.332	-0.369	6.000	606.152	-3.000	6.000	606.152	6.535	605.795	-0.357
1459	6.198	605.976	-0.132	6.000	606.108	-3.000	606.003	606.288	-0.285	6.000	606.108	-3.000	6.000	606.108	6.399	605.842	-0.266
1460	6.564	605.687	-0.376	6.000	606.063	-3.000	605.521	606.243	-0.722	6.000	606.063	-3.000	6.000	606.063	6.794	605.534	-0.529
1461	6.678	605.566	-0.452	6.000	606.018	-3.000	605.290	606.198	-0.908	6.000	606.018	-3.000	6.000	606.018	7.091	605.291	-0.727
1462	6.771	605.459	-0.514	6.000	605.973	-3.000	605.256	606.153	-0.897	6.000	605.973	-3.000	6.000	605.973	7.134	605.217	-0.756
1463	6.594	605.533	-0.396	6.000	605.929	-3.000	605.138	606.109	-0.971	6.000	605.929	-3.000	6.000	605.929	6.958	605.290	-0.639
1464	6.590	605.491	-0.393	6.000	605.884	-3.000	605.190	606.064	-0.874	6.000	605.884	-3.000	6.000	605.884	7.043	605.189	-0.695
1465	6.589	605.446	-0.393	6.000	605.839	-3.000	605.160	606.019	-0.859	6.000	605.839	-3.000	6.000	605.839	6.844	605.276	-0.563
1466	6.683	605.339	-0.455	6.000	605.794	-3.000	605.108	605.974	-0.866	6.000	605.794	-3.000	6.000	605.794	7.025	605.111	-0.653
1467	6.648	605.318	-0.432	6.000	605.750	-3.000	605.059	605.930	-0.871	6.000	605.750	-3.000	6.000	605.750	6.975	605.100	-0.680
1468	6.656	605.268	-0.437	6.000	605.705	-3.000	605.003	605.885	-0.882	6.000	605.705	-3.000	6.000	605.705	6.936	605.081	-0.624
1469	6.676	605.209	-0.451	6.000	605.660	-3.000	604.980	605.840	-0.860	6.000	605.660	-3.000	6.000	605.660	7.096	604.929	-0.731
1470	6.590	605.221	-0.394	6.000	605.615	-3.000	604.921	605.795	-0.874	6.000	605.615	-3.000	6.000	605.615	7.124	604.866	-0.749
1471	6.589	605.179	-0.392	6.000	605.571	-3.000	604.873	605.751	-0.878	6.000	605.571	-3.000	6.000	605.571	7.098	604.839	-0.732
1472	6.617	605.115	-0.411	6.000	605.526	-3.000	604.837	605.706	-0.869	6.000	605.526	-3.000	6.000	605.526	6.990	604.866	-0.660
1473	6.666	605.037	-0.444	6.000	605.481	-3.000	604.781	605.661	-0.880	6.000	605.481	-3.000	6.000	605.481	6.561	605.107	-0.374
1474	6.629	605.017	-0.419	6.000	605.436	-3.000	604.727	605.616	-0.889	6.000	605.436	-3.000	6.000	605.436	7.016	604.759	-0.677
1475	6.726	604.908	-0.484	6.000	605.392	-3.000	604.613	605.572	-0.959	6.000	605.392	-3.000	6.000	605.392	7.121	604.645	-0.747
1476	6.760	604.840	-0.507	6.000	605.347	-3.000	604.767	605.527	-0.760	6.000	605.347	-3.000	6.000	605.347	6.856	604.776	-0.571
1477	6.773	604.787	-0.515	6.000	605.302	-3.000	605.097	605.482	-0.385	6.000	605.302	-3.000	6.000	605.302	6.511	604.961	-0.341
1478	6.311	605.050	-0.207	6.000	605.257	-3.000	605.065	605.437	-0.372	6.000	605.257	-3.000	6.000	605.257	6.433	604.929	-0.328
1479	6.646	604.782	-0.431	6.000	605.213	-3.000	604.739	605.393	-0.654	6.000	605.213	-3.000	6.000	605.213	6.660	604.773	-0.440
1480	6.803	604.633	-0.535	6.000	605.168	-3.000	604.302	605.348	-1.046	6.000	605.168	-3.000	6.000	605.168	7.257	604.330	-0.838
1481	6.744	604.627	-0.496	6.000	605.123	-3.000	604.310	605.303	-0.993	6.000	605.123	-3.000	6.000	605.123	7.202	604.322	-0.801
1482	6.912	604.470	-0.608	6.000	605.078	-3.000	604.297	605.258	-0.961	6.000	605.078	-3.000	6.000	605.078	7.131	604.324	-0.754
1483	6.766	604.524	-0.510	6.000	605.034	-3.000	604.282	605.214	-0.932	6.000	605.034	-3.000	6.000	605.034	6.940	604.407	-0.627
1484	6.660	604.549	-0.440	6.000	604.989	-3.000	604.261	605.169	-0.908	6.000	604.989	-3.000	6.000	604.989	6.816	604.445	-0.544
1485	6.647	604.513	-0.431	6.000	604.944	-3.000	604.241	605.124	-0.883	6.000	604.944	-3.000	6.000	604.944	6.790	604.418	-0.526
1486	6.794	604.370	-0.529	6.000	604.899	-3.000	604.196	605.079	-0.883	6.000	604.899	-3.000	6.000	604.899	6.902	604.297	-0.602
1487	6.617	604.444	-0.411	6.000	604.855	-3.000	604.129	605.035	-0.906	6.000	604.855	-3.000	6.000	604.855	6.911	604.247	-0.608
1488	6.697	604.345	-0.465	6.000	604.810	-3.000	604.090	604.990	-0.900	6.000	604.810	-3.000	6.000	604.810	6.959	604.171	-0.639
1489	6.732	604.277	-0.488	6.000	604.765	-3.000	604.076	604.945	-0.869	6.000	604.765	-3.000	6.000	604.765	6.879	604.179	-0.586
1490	6.675	604.270	-0.450	6.000	604.720	-3.000	604.032	604.900	-0.868	6.000	604.720	-3.000	6.000	604.720	6.836	604.163	-0.557
1491	6.664	604.233	-0.443	6.000	604.676	-3.000	603.967	604.856	-0.889	6.000	604.676	-3.000	6.000	604.676	6.651	604.242	-0.434
1492	6.660	604.191	-0.440	6.000	604.631	-3.000	603.885	604.811	-0.926	6.000	604.631	-3.000	6.000	604.631	6.718	604.153	-0.478
1493	6.607	604.182	-0.404	6.000	604.586	-3.000	604.112	604.766	-0.654	6.000	604.586	-3.000	6.000	604.586	6.909	603.980	-0.606
1494	6.255	604.372	-0.170	6.000	604.542	-3.000	604.450	604.722	-0.272	6.000	604.542	-3.000	6.000	604.542	6.281	604.355	-0.187
1495	6.462	604.189	-0.308	6.000	604.497	-3.000	604.367	604.677	-0.310	6.000	604.497	-3.000	6.000	604.497	6.364	604.254	-0.243
1496	6.356	604.215	-0.237	6.000	604.452	-3.000	603.946	604.632	-0.686	6.000	604.452	-3.000	6.000	604.452	6.730	603.966	-0.486
1497	6.544	604.044	-0.363	6.000	604.407	-3.000	603.770	604.587	-0.817	6.000	604.407	-3.000	6.000	604.407	6.738	603.915	-0.492
1498	6.623	603.948	-0.415	6.000	604.363	-3.000	603.691	604.543	-0.852	6.000	604.363	-3.000	6.000	604.363	6.877	603.779	-0.584
1499	6.583	603.929	-0.389	6.000	604.318	-3.000	603.648	604.498	-0.850	6.000	604.318	-3.000	6.000	604.318	6.948	603.686	-0.632

Nota de Serviço de Terraplenagem																					
Estaca	Lado Esquerdo					Eixo					Lado Direito					Crista de Corte em Rocha				Offset	
	Distância	Cota	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Cota	Vermeilha	Distância	Cota	%	Distância	Cota	Distância	Cota	Offset	
1500	6.634	603.850	-0.423		6.000	604.273	6.000	604.273	-3.000	603.631	604.453	-0.822	6.000	604.273	-3.000	6.000	604.273	6.727	603.788	-0.485	
1501	6.706	603.757	-0.471		6.000	604.228	6.000	604.228	-3.000	603.606	604.408	-0.802	6.000	604.228	-3.000	6.000	604.228	6.963	603.586	-0.642	
1502	6.767	603.673	-0.511		6.000	604.184	6.000	604.184	-3.000	603.690	604.364	-0.674	6.000	604.184	-3.000	6.000	604.184	6.293	603.989	-0.195	
1503	6.498	603.807	-0.332		6.000	604.139	6.000	604.139	-3.000	603.544	604.319	-0.775	6.000	604.139	-3.000	6.000	604.139	6.705	603.669	-0.470	
1504	6.367	603.849	-0.245		6.000	604.094	6.000	604.094	-3.000	603.546	604.274	-0.728	6.000	604.094	-3.000	6.000	604.094	6.781	603.573	-0.521	
1505	6.380	603.795	-0.254		6.000	604.049	6.000	604.049	-3.000	603.495	604.229	-0.734	6.000	604.049	-3.000	6.000	604.049	6.600	603.649	-0.400	
1506	6.484	603.683	-0.322		6.000	604.005	6.000	604.005	-3.000	603.449	604.185	-0.736	6.000	604.005	-3.000	6.000	604.005	6.564	603.629	-0.376	
1507	6.371	603.713	-0.247		6.000	603.960	6.000	603.960	-3.000	603.438	604.140	-0.702	6.000	603.960	-3.000	6.000	603.960	6.447	603.662	-0.298	
1508	6.363	603.673	-0.242		6.000	603.915	6.000	603.915	-3.000	603.441	604.095	-0.654	6.000	603.915	-3.000	6.000	603.915	6.403	603.646	-0.269	
1509	6.359	603.630	-0.240		6.000	603.870	6.000	603.870	-3.000	603.487	604.050	-0.563	6.000	603.870	-3.000	6.000	603.870	6.571	603.490	-0.380	
1510	6.216	603.682	-0.144		6.000	603.826	6.000	603.826	-3.000	603.605	604.006	-0.401	6.000	603.826	-3.000	6.000	603.826	6.813	603.284	-0.542	
1511	6.034	603.815	0.034		6.000	603.781	6.000	603.781	-3.000	603.801	603.961	-0.160	6.000	603.781	-3.000	6.000	603.781	6.013	603.794	0.013	
1512	6.043	603.779	0.043		6.000	603.736	6.000	603.736	-3.000	603.732	603.916	-0.184	6.000	603.736	-3.000	6.000	603.736	6.129	603.650	-0.086	
1513	6.322	603.477	-0.214		6.000	603.691	6.000	603.691	-3.000	603.296	603.871	-0.575	6.000	603.691	-3.000	6.000	603.691	6.248	603.526	-0.165	
1514	6.289	603.454	-0.193		6.000	603.647	6.000	603.647	-3.000	603.157	603.827	-0.670	6.000	603.647	-3.000	6.000	603.647	6.663	603.205	-0.442	
1515	6.344	603.373	-0.229		6.000	603.602	6.000	603.602	-3.000	603.120	603.782	-0.661	6.000	603.602	-3.000	6.000	603.602	6.721	603.122	-0.480	
1516	6.298	603.358	-0.199		6.000	603.557	6.000	603.557	-3.000	603.101	603.737	-0.637	6.000	603.557	-3.000	6.000	603.557	6.551	603.190	-0.367	
1517	6.254	603.343	-0.169		6.000	603.512	6.000	603.512	-3.000	603.060	603.692	-0.632	6.000	603.512	-3.000	6.000	603.512	6.508	603.173	-0.339	
1518	6.276	603.284	-0.184		6.000	603.468	6.000	603.468	-3.000	603.007	603.648	-0.641	6.000	603.468	-3.000	6.000	603.468	6.695	603.005	-0.463	
1519	6.238	603.265	-0.158		6.000	603.423	6.000	603.423	-3.000	602.980	603.603	-0.623	6.000	603.423	-3.000	6.000	603.423	6.583	603.034	-0.389	
1520	6.303	603.176	-0.202		6.000	603.378	6.000	603.378	-3.000	602.936	603.558	-0.622	6.000	603.378	-3.000	6.000	603.378	6.519	603.032	-0.346	
1521	6.166	603.222	-0.111		6.000	603.333	6.000	603.333	-3.000	602.931	603.513	-0.582	6.000	603.333	-3.000	6.000	603.333	6.386	603.076	-0.257	
1522	6.201	603.155	-0.134		6.000	603.289	6.000	603.289	-3.000	602.862	603.469	-0.607	6.000	603.289	-3.000	6.000	603.289	6.466	602.979	-0.310	
1523	6.336	603.020	-0.224		6.000	603.244	6.000	603.244	-3.000	602.828	603.424	-0.596	6.000	603.244	-3.000	6.000	603.244	6.420	602.964	-0.280	
1524	6.231	603.045	-0.154		6.000	603.199	6.000	603.199	-3.000	602.785	603.379	-0.594	6.000	603.199	-3.000	6.000	603.199	6.263	603.023	-0.176	
1525	6.164	603.045	-0.109		6.000	603.154	6.000	603.154	-3.000	602.703	603.334	-0.631	6.000	603.154	-3.000	6.000	603.154	6.327	602.936	-0.218	
1526	6.116	603.033	-0.077		6.000	603.110	6.000	603.110	-3.000	602.773	603.290	-0.517	6.000	603.110	-3.000	6.000	603.110	6.503	602.774	-0.336	
1527	6.152	603.217	0.152		6.000	603.065	6.000	603.065	-3.000	603.234	603.245	-0.011	6.000	603.065	-3.000	6.000	603.065	6.152	603.217	0.152	
1528	6.219	603.239	0.219		6.000	603.020	6.000	603.020	-3.000	603.272	603.200	0.072	6.000	603.020	-3.000	6.000	603.020	6.086	603.106	0.086	
1529	6.009	602.970	-0.006		6.000	602.976	6.000	602.976	-3.000	603.004	603.156	-0.152	6.000	602.976	-3.000	6.000	602.976	6.121	603.096	0.120	
1530	6.287	602.739	-0.192		6.000	602.931	6.000	602.931	-3.000	602.578	603.111	-0.533	6.000	602.931	-3.000	6.000	602.931	6.227	602.779	-0.152	
1531	6.268	602.708	-0.178		6.000	602.886	6.000	602.886	-3.000	602.571	603.066	-0.495	6.000	602.886	-3.000	6.000	602.886	6.530	602.532	-0.354	
1532	6.319	602.628	-0.213		6.000	602.841	6.000	602.841	-3.000	602.549	603.021	-0.472	6.000	602.841	-3.000	6.000	602.841	6.333	602.619	-0.222	
1533	6.284	602.607	-0.190		6.000	602.797	6.000	602.797	-3.000	602.498	602.977	-0.479	6.000	602.797	-3.000	6.000	602.797	6.496	602.466	-0.331	
1534	6.267	602.574	-0.178		6.000	602.752	6.000	602.752	-3.000	602.432	602.932	-0.500	6.000	602.752	-3.000	6.000	602.752	6.488	602.427	-0.325	
1535	6.362	602.466	-0.241		6.000	602.707	6.000	602.707	-3.000	602.444	602.887	-0.443	6.000	602.707	-3.000	6.000	602.707	6.095	602.644	-0.063	
1536	6.389	602.403	-0.259		6.000	602.662	6.000	602.662	-3.000	602.325	602.842	-0.517	6.000	602.662	-3.000	6.000	602.662	6.380	602.409	-0.253	
1537	6.603	602.216	-0.402		6.000	602.618	6.000	602.618	-3.000	602.248	602.798	-0.550	6.000	602.618	-3.000	6.000	602.618	6.043	602.589	-0.029	
1538	6.280	602.386	-0.187		6.000	602.573	6.000	602.573	-3.000	602.224	602.753	-0.529	6.000	602.573	-3.000	6.000	602.573	6.294	602.377	-0.196	
1539	6.556	602.158	-0.370		6.000	602.528	6.000	602.528	-3.000	602.154	602.708	-0.554	6.000	602.528	-3.000	6.000	602.528	6.369	602.282	-0.246	
1540	6.320	602.270	-0.213		6.000	602.483	6.000	602.483	-3.000	602.134	602.663	-0.529	6.000	602.483	-3.000	6.000	602.483	6.448	602.184	-0.299	
1541	6.237	602.281	-0.158		6.000	602.439	6.000	602.439	-3.000	602.091	602.619	-0.528	6.000	602.439	-3.000	6.000	602.439	6.450	602.139	-0.300	
1542	6.290	602.201	-0.193		6.000	602.394	6.000	602.394	-3.000	602.019	602.574	-0.555	6.000	602.394	-3.000	6.000	602.394	6.514	602.051	-0.343	
1543	6.543	601.987	-0.362		6.000	602.349	6.000	602.349	-3.000	602.102	602.529	-0.427	6.000	602.349	-3.000	6.000	602.349	6.544	601.987	-0.362	
1544	6.114	602.228	-0.076		6.000	602.304	6.000	602.304	-3.000	602.161	602.484	-0.323	6.000	602.304	-3.000	6.000	602.304	6.692	601.843	-0.461	
1545	6.028	602.288	0.028		6.000	602.260	6.000														

Nota de Serviço de Terraplenagem														
Estaca	Lado Esquerdo				Eixo				Lado Direito				Offset	
	Distância	Cota	Altura	Offet	Banqueta	Distância	Cota	Altura	Offet	Distância	Cota	Altura	Offet	Altura
1558	6.477	601.360	-0.318		6.000	601.678	6.000	601.678	-0.555	6.000	601.678	6.417	601.400	-0.278
1559	6.292	601.438	-0.195		6.000	601.633	6.000	601.633	-0.486	6.000	601.633	6.395	601.370	-0.263
1560	6.137	601.497	-0.091		6.000	601.588	6.000	601.588	-0.212	6.000	601.588	6.001	601.554	-0.034
1561	6.039	601.583	0.039		6.000	601.544	6.000	601.544	0.169	6.000	601.544	6.518	602.062	0.518
1562	6.055	601.463	-0.036		6.000	601.499	6.000	601.499	-0.214	6.000	601.499	6.730	601.013	-0.486
1563	6.263	601.279	-0.175		6.000	601.454	6.000	601.454	-0.518	6.000	601.454	6.318	601.242	-0.212
1564	6.450	601.110	-0.300		6.000	601.410	6.000	601.410	-0.452	6.000	601.410	6.258	601.238	-0.172
1565	6.494	601.035	-0.330		6.000	601.365	6.000	601.365	-0.467	6.000	601.365	6.283	601.177	-0.188
1566	6.421	601.040	-0.280		6.000	601.320	6.000	601.320	-0.442	6.000	601.320	6.276	601.136	-0.188
1567	6.512	600.934	-0.341		6.000	601.275	6.000	601.275	-0.348	6.000	601.275	6.192	601.147	-0.128
1568	6.508	600.892	-0.339		6.000	601.231	6.000	601.231	-0.331	6.000	601.231	6.282	601.043	-0.188
1569	6.440	600.893	-0.293		6.000	601.186	6.000	601.186	-0.339	6.000	601.186	6.397	600.922	-0.264
1570	6.549	600.775	-0.366		6.000	601.141	6.000	601.141	-0.337	6.000	601.141	6.443	600.845	-0.296
1571	6.524	600.747	-0.349		6.000	601.096	6.000	601.096	-0.381	6.000	601.096	6.447	600.798	-0.298
1572	6.460	600.746	-0.306		6.000	601.052	6.000	601.052	-0.426	6.000	601.052	6.481	600.732	-0.320
1573	6.545	600.644	-0.363		6.000	601.007	6.000	601.007	-0.464	6.000	601.007	6.728	600.522	-0.485
1574	6.541	600.601	-0.361		6.000	600.962	6.000	600.962	-0.502	6.000	600.962	6.720	600.482	-0.480
1575	6.362	600.675	-0.242		6.000	600.917	6.000	600.917	-0.592	6.000	600.917	6.272	600.735	-0.182
1576	6.076	600.822	-0.051		6.000	600.873	6.000	600.873	-0.168	6.000	600.873	6.366	600.629	-0.244
1577	6.435	601.263	0.435		6.000	600.828	6.000	600.828	-0.000	6.000	600.828	6.347	601.175	0.347
1578	6.138	600.691	-0.092		6.000	600.783	6.000	600.783	-0.237	6.000	600.783	6.433	600.495	-0.288
1579	6.470	600.425	-0.312		6.000	600.738	6.000	600.738	-0.384	6.000	600.738	6.426	600.454	-0.284
1580	6.532	600.339	-0.355		6.000	600.694	6.000	600.694	-0.523	6.000	600.694	6.428	600.409	-0.285
1581	6.638	600.224	-0.425		6.000	600.649	6.000	600.649	-0.508	6.000	600.649	6.571	600.269	-0.380
1582	6.608	600.199	-0.405		6.000	600.604	6.000	600.604	-0.517	6.000	600.604	6.408	600.332	-0.272
1583	6.571	600.179	-0.380		6.000	600.559	6.000	600.559	-0.549	6.000	600.559	6.471	600.245	-0.314
1584	6.584	600.126	-0.389		6.000	600.515	6.000	600.515	-0.676	6.000	600.515	6.572	600.134	-0.381
1585	6.560	600.097	-0.373		6.000	600.470	6.000	600.470	-0.560	6.000	600.470	6.559	600.098	-0.372
1586	6.612	600.017	-0.408		6.000	600.425	6.000	600.425	-0.547	6.000	600.425	6.589	600.033	-0.392
1587	6.566	600.003	-0.377		6.000	600.380	6.000	600.380	-0.556	6.000	600.380	6.569	600.001	-0.379
1588	6.624	599.902	-0.416		6.000	600.336	6.000	600.336	-0.580	6.000	600.336	6.709	599.864	-0.472
1589	6.632	599.870	-0.421		6.000	600.291	6.000	600.291	-0.454	6.000	600.291	7.270	599.444	-0.847
1590	6.214	600.460	0.214		6.000	600.246	6.000	600.246	-0.081	6.000	600.246	6.293	600.539	0.293
1591	6.184	600.385	0.184		6.000	600.201	6.000	600.201	-0.135	6.000	600.201	6.004	600.205	0.004
1592	6.476	599.839	-0.318		6.000	600.157	6.000	600.157	-0.494	6.000	600.157	6.576	599.773	-0.384
1593	6.485	599.789	-0.323		6.000	600.112	6.000	600.112	-0.565	6.000	600.112	6.696	599.648	-0.464
1594	6.487	599.742	-0.325		6.000	600.067	6.000	600.067	-0.529	6.000	600.067	6.617	599.656	-0.411
1595	6.577	599.637	-0.385		6.000	600.022	6.000	600.022	-0.542	6.000	600.022	6.612	599.614	-0.408
1596	6.532	599.623	-0.355		6.000	599.978	6.000	599.978	-0.560	6.000	599.978	6.603	599.576	-0.402
1597	6.472	599.619	-0.314		6.000	599.933	6.000	599.933	-0.558	6.000	599.933	6.700	599.467	-0.466
1598	6.566	599.510	-0.378		6.000	599.888	6.000	599.888	-0.580	6.000	599.888	6.613	599.479	-0.409
1599	6.443	599.548	-0.296		6.000	599.844	6.000	599.844	-0.592	6.000	599.844	6.880	599.258	-0.586
1600	6.538	599.440	-0.359		6.000	599.799	6.000	599.799	-0.578	6.000	599.799	6.692	599.338	-0.461
1601	6.495	599.379	-0.330		6.000	599.754	6.000	599.754	-0.565	6.000	599.754	6.556	599.383	-0.371
1602	6.451	599.322	-0.343		6.000	599.709	6.000	599.709	-0.541	6.000	599.709	6.642	599.281	-0.428
1603	6.514	599.277	-0.343		6.000	599.665	6.000	599.665	-0.564	6.000	599.665	6.441	599.371	-0.294
1604	6.515	599.277	-0.343		6.000	599.620	6.000	599.620	-0.576	6.000	599.620	6.625	599.204	-0.416
1605	6.482	599.254	-0.321		6.000	599.575	6.000	599.575	-0.577	6.000	599.575	6.670	599.128	-0.447
1606	6.556	599.160	-0.370		6.000	599.530	6.000	599.530	-0.574	6.000	599.530	6.638	599.104	-0.426
1607	6.709	598.773	-0.713		6.000	599.486	6.000	599.486	-0.450	6.000	599.486	6.516	599.142	-0.344
1608	6.705	600.146	0.146		6.000	599.441	6.000	599.441	0.007	6.000	599.441	6.253	599.694	0.253
1609	6.199	599.264	-0.132		6.000	599.396	6.000	599.396	-0.300	6.000	599.396	6.438	599.104	-0.292
1610	6.517	599.006	-0.345		6.000	599.351	6.000	599.351	-0.562	6.000	599.351	6.681	598.897	-0.454
1611	6.510	598.967	-0.340		6.000	599.307	6.000	599.307	-0.639	6.000	599.307	6.769	598.795	-0.512
1612	6.554	598.893	-0.369		6.000	599.262	6.000	599.262	-0.594	6.000	599.262	6.820	598.715	-0.547
1613	6.519	598.871	-0.346		6.000	599.217	6.000	599.217	-0.543	6.000	599.217	6.757	598.712	-0.505
1614	6.641	598.744	-0.428		6.000	599.172	6.000	599.172	-0.541	6.000	599.172	6.546	598.808	-0.364
1615	6.526	598.777	-0.351		6.000	599.128	6.000	599.128	-0.548	6.000	599.128	6.632	598.707	-0.421

Nota de Serviço de Terraplenagem

Lado Esquerdo				Eixo				Lado Direito			
Banqueta		Bordo		Terreno		Cota		Crista de Corte em Rocha		Cota	
Estaca	Distância	Altura	Distância	Cota	Distância	Cota	%	Distância	Cota	Distância	Altura
1616	6.555	598.713	-0.370	6.000	599.083	-3.000	598.655	599.263	-0.608	6.000	599.083
1617	6.507	598.700	-0.338	6.000	599.038	-3.000	598.576	599.218	-0.642	6.000	599.038
1618	6.546	598.629	-0.364	6.000	598.993	-3.000	598.579	599.173	-0.594	6.000	599.993
1619	6.565	598.572	-0.377	6.000	598.949	-3.000	598.545	599.129	-0.584	6.000	598.949
1620	6.577	598.520	-0.384	6.000	598.904	-3.000	598.489	599.084	-0.595	6.000	598.904
1621	6.761	598.351	-0.508	6.000	598.859	-3.000	598.415	599.039	-0.624	6.000	598.859
1622	6.482	598.493	-0.321	6.000	598.814	-3.000	598.505	598.994	-0.489	6.000	598.814
1623	6.118	598.691	-0.079	6.000	598.770	-3.000	598.804	598.950	-0.146	6.000	598.770
1624	6.328	599.053	0.328	6.000	598.725	-3.000	598.986	598.905	0.081	6.000	598.725
1625	6.547	598.315	-0.365	6.000	598.680	-3.000	598.931	598.860	-0.469	6.000	598.680
1626	6.603	598.233	-0.402	6.000	598.635	-3.000	598.225	598.815	-0.590	6.000	598.635
1627	6.666	598.147	-0.444	6.000	598.591	-3.000	598.144	598.771	-0.627	6.000	598.591
1628	6.581	598.159	-0.387	6.000	598.546	-3.000	598.091	598.726	-0.635	6.000	598.546
1629	6.850	597.935	-0.566	6.000	598.501	-3.000	597.995	598.681	-0.686	6.000	598.501
1630	6.731	597.968	-0.488	6.000	598.456	-3.000	598.128	598.636	-0.508	6.000	598.456
1631	6.914	598.035	-0.548	6.091	598.583	-0.909	597.850	598.592	-0.742	6.091	598.409
1631+0.712	6.918	598.042	-0.548	6.096	598.590	-0.904	597.843	598.590	-0.747	6.096	598.407
1632	7.172	598.151	-0.636	6.218	598.787	-3.860	597.806	598.547	-0.741	6.218	598.307
1633	7.709	598.092	-0.909	6.346	599.001	-7.860	597.881	598.502	-0.621	6.346	598.004
1633+0.712	7.731	598.088	-0.921	6.350	599.009	-8.000	597.895	598.501	-0.606	6.350	597.993
1634	7.951	597.899	-1.067	6.350	598.966	-8.000	598.032	598.458	-0.426	6.350	597.950
1635	8.022	597.806	-1.115	6.350	598.921	-8.000	597.725	598.413	-0.688	6.350	597.905
1635+0.816	7.880	597.877	-1.020	6.350	598.897	-8.000	597.699	598.389	-0.690	6.350	597.881
1636	7.533	597.928	-0.828	6.292	598.756	-6.160	597.701	598.368	-0.667	6.292	597.980
1637	7.161	597.792	-0.665	6.164	598.457	-2.160	597.689	598.323	-0.634	6.164	598.138
1637+0.816	6.890	597.770	-0.529	6.096	598.299	-6.096	598.299	-	-0.608	6.096	598.116
1638	6.702	597.725	-0.443	6.037	598.168	-1.840	597.677	598.279	-0.602	6.037	598.097
1639	6.715	597.577	-0.477	6.000	598.054	-3.000	597.603	598.234	-0.631	6.000	598.054
1640	6.668	597.564	-0.445	6.000	598.009	-3.000	597.516	598.189	-0.673	6.000	598.009
1641	6.650	597.530	-0.434	6.000	597.964	-3.000	597.430	598.144	-0.714	6.000	597.964
1642	6.559	597.548	-0.372	6.000	597.920	-3.000	597.381	598.100	-0.719	6.000	597.920
1643	6.714	597.399	-0.476	6.000	597.875	-3.000	597.366	598.055	-0.689	6.000	597.875
1644	6.568	597.451	-0.379	6.000	597.830	-3.000	597.351	598.010	-0.659	6.000	597.830
1645	6.751	597.285	-0.500	6.000	597.785	-3.000	597.282	597.965	-0.683	6.000	597.785
1646	6.788	597.216	-0.525	6.000	597.741	-3.000	597.149	597.921	-0.772	6.000	597.741
1647	6.803	597.155	-0.535	6.000	597.690	-3.000	597.085	597.870	-0.785	6.000	597.690
1648	6.866	597.053	-0.577	6.000	597.630	-3.000	596.922	597.810	-0.888	6.000	597.630
1649	6.882	596.970	-0.588	6.000	597.558	-3.000	596.888	597.738	-0.850	6.000	597.558
1650	6.840	596.915	-0.560	6.000	597.475	-3.000	596.832	597.655	-0.823	6.000	597.475
1651	6.795	596.857	-0.530	6.000	597.387	-3.000	596.668	597.567	-0.899	6.000	597.387
1652	6.768	596.787	-0.512	6.000	597.299	-3.000	596.611	597.479	-0.868	6.000	597.299
1653	6.750	596.711	-0.500	6.000	597.211	-3.000	596.610	597.391	-0.781	6.000	597.211
1654	6.687	596.666	-0.458	6.000	597.124	-3.000	596.545	597.304	-0.759	6.000	597.124
1655	6.687	596.578	-0.458	6.000	597.036	-3.000	596.469	597.216	-0.747	6.000	597.036
1656	6.742	596.453	-0.495	6.000	596.948	-3.000	596.368	597.128	-0.760	6.000	596.948
1657	6.776	596.343	-0.517	6.000	596.860	-3.000	596.260	597.040	-0.780	6.000	596.860
1658	6.752	596.271	-0.501	6.000	596.772	-3.000	596.173	596.952	-0.779	6.000	596.772
1659	6.718	596.205	-0.479	6.000	596.684	-3.000	596.076	596.864	-0.788	6.000	596.684
1660	6.707	596.125	-0.471	6.000	596.596	-3.000	596.024	596.776	-0.752	6.000	596.596
1661	6.686	596.051	-0.457	6.000	596.508	-3.000	595.989	596.688	-0.699	6.000	596.508
1662	6.700	595.953	-0.467	6.000	596.420	-3.000	595.827	596.600	-0.773	6.000	596.420
1663	6.730	595.845	-0.487	6.000	596.332	-3.000	595.683	596.512	-0.829	6.000	596.332
1664	6.706	595.773	-0.471	6.000	596.244	-3.000	595.597	596.424	-0.827	6.000	596.244
1665	6.681	595.702	-0.454	6.000	596.156	-3.000	595.572	596.336	-0.764	6.000	596.156
1666	6.651	595.634	-0.434	6.000	596.068	-3.000	595.494	596.248	-0.754	6.000	596.068
1667	6.666	595.536	-0.444	6.000	595.980	-3.000	595.439	596.160	-0.721	6.000	595.980
1668	6.707	595.421	-0.471	6.000	595.892	-3.000	595.341	596.072	-0.731	6.000	595.892
1669	6.714	595.329	-0.476	6.000	595.805	-3.000	595.228	595.985	-0.757	6.000	595.805

Nota de Serviço de Terraplenagem																					
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset				
	Distância	Altura	Distância	Cota	Distância	Cota	%	Terreno	Projeto	Cota	Vermelha	Distância	Cota	%	Distância	Cota	Distância	Cota	Distância	Cota	
1670	6.676	595.266	-0.451	6.000	595.717	6.000	595.717	-3.000	595.189	595.897	-0.708	6.000	595.717	-3.000	595.717	6.890	595.124	6.000	595.717	6.890	595.124
1671	6.707	595.158	-0.471	6.000	595.629	6.000	595.629	-3.000	595.118	595.809	-0.691	6.000	595.629	-3.000	595.629	6.664	595.187	6.000	595.629	6.664	595.187
1672	6.722	595.060	-0.481	6.000	595.541	6.000	595.541	-3.000	595.029	595.721	-0.692	6.000	595.541	-3.000	595.541	6.720	595.061	6.000	595.541	6.720	595.061
1673	6.549	595.087	-0.366	6.000	595.453	6.000	595.453	-3.000	594.992	595.633	-0.641	6.000	595.453	-3.000	595.453	6.899	594.861	6.000	595.453	6.899	594.861
1674	6.531	595.011	-0.354	6.000	595.365	6.000	595.365	-3.000	594.897	595.545	-0.648	6.000	595.365	-3.000	595.365	6.806	594.827	6.000	595.365	6.806	594.827
1675	6.604	594.875	-0.402	6.000	595.277	6.000	595.277	-3.000	594.770	595.457	-0.687	6.000	595.277	-3.000	595.277	6.781	594.757	6.000	595.277	6.781	594.757
1676	6.615	594.779	-0.410	6.000	595.189	6.000	595.189	-3.000	594.685	595.369	-0.684	6.000	595.189	-3.000	595.189	6.479	594.869	6.000	595.189	6.479	594.869
1677	6.624	594.685	-0.416	6.000	595.101	6.000	595.101	-3.000	594.583	595.281	-0.698	6.000	595.101	-3.000	595.101	6.749	594.802	6.000	595.101	6.749	594.802
1678	6.539	594.654	-0.359	6.000	595.013	6.000	595.013	-3.000	594.491	595.193	-0.702	6.000	595.013	-3.000	595.013	6.850	594.447	6.000	595.013	6.850	594.447
1679	6.639	594.499	-0.426	6.000	594.925	6.000	594.925	-3.000	594.462	595.105	-0.643	6.000	594.925	-3.000	594.925	6.687	594.467	6.000	594.925	6.687	594.467
1680	6.647	594.406	-0.431	6.000	594.837	6.000	594.837	-3.000	594.376	595.017	-0.641	6.000	594.837	-3.000	594.837	6.816	594.293	6.000	594.837	6.816	594.293
1681	6.627	594.336	-0.418	6.000	594.754	6.000	594.754	-3.000	594.310	594.934	-0.624	6.000	594.754	-3.000	594.754	6.656	594.316	6.000	594.754	6.656	594.316
1682	6.550	594.316	-0.366	6.000	594.682	6.000	594.682	-3.000	594.283	594.862	-0.579	6.000	594.682	-3.000	594.682	6.196	594.551	6.000	594.682	6.196	594.551
1683	6.522	594.271	-0.348	6.000	594.619	6.000	594.619	-3.000	594.173	594.799	-0.626	6.000	594.619	-3.000	594.619	6.575	594.236	6.000	594.619	6.575	594.236
1684	6.586	594.176	-0.391	6.000	594.567	6.000	594.567	-3.000	594.087	594.747	-0.660	6.000	594.567	-3.000	594.567	6.650	594.134	6.000	594.567	6.650	594.134
1685	6.678	594.067	-0.452	6.000	594.519	6.000	594.519	-3.000	594.057	594.699	-0.642	6.000	594.519	-3.000	594.519	6.858	593.947	6.000	594.519	6.858	593.947
1686	6.798	593.940	-0.532	6.000	594.472	6.000	594.472	-3.000	593.992	594.652	-0.660	6.000	594.472	-3.000	594.472	6.733	593.983	6.000	594.472	6.733	593.983
1687	6.766	593.914	-0.511	6.000	594.425	6.000	594.425	-3.000	593.933	594.605	-0.672	6.000	594.425	-3.000	594.425	6.935	593.802	6.000	594.425	6.935	593.802
1688	6.868	593.798	-0.579	6.000	594.377	6.000	594.377	-3.000	593.877	594.557	-0.680	6.000	594.377	-3.000	594.377	6.536	594.020	6.000	594.377	6.536	594.020
1689	6.844	593.767	-0.563	6.000	594.330	6.000	594.330	-3.000	593.819	594.510	-0.691	6.000	594.330	-3.000	594.330	6.732	593.842	6.000	594.330	6.732	593.842
1690	6.738	593.791	-0.492	6.000	594.283	6.000	594.283	-3.000	593.763	594.463	-0.700	6.000	594.283	-3.000	594.283	6.842	593.722	6.000	594.283	6.842	593.722
1691	6.727	593.750	-0.485	6.000	594.235	6.000	594.235	-3.000	593.691	594.415	-0.724	6.000	594.235	-3.000	594.235	6.849	593.669	6.000	594.235	6.849	593.669
1692	6.821	593.640	-0.548	6.000	594.188	6.000	594.188	-3.000	593.668	594.368	-0.700	6.000	594.188	-3.000	594.188	7.068	593.476	6.000	593.668	7.068	593.476
1693	6.901	593.540	-0.601	6.000	594.141	6.000	594.141	-3.000	593.561	594.321	-0.760	6.000	594.141	-3.000	594.141	6.921	593.527	6.000	593.561	6.921	593.527
1694	6.978	593.441	-0.652	6.000	594.093	6.000	594.093	-3.000	593.496	594.273	-0.777	6.000	594.093	-3.000	594.093	6.832	593.538	6.000	594.093	6.832	593.538
1695	7.033	593.358	-0.688	6.000	594.046	6.000	594.046	-3.000	593.436	594.226	-0.790	6.000	594.046	-3.000	594.046	6.915	593.436	6.000	593.436	6.915	593.436
1696	7.027	593.315	-0.684	6.000	593.999	6.000	593.999	-3.000	593.993	594.179	-0.786	6.000	593.999	-3.000	593.999	6.957	593.361	6.000	593.999	6.957	593.361
1697	6.954	593.315	-0.636	6.000	593.951	6.000	593.951	-3.000	593.351	594.131	-0.780	6.000	593.951	-3.000	593.951	6.999	593.285	6.000	593.951	6.999	593.285
1698	6.969	593.258	-0.646	6.000	593.904	6.000	593.904	-3.000	593.281	594.084	-0.803	6.000	593.904	-3.000	593.904	7.011	593.230	6.000	593.904	7.011	593.230
1699	7.074	593.141	-0.716	6.000	593.857	6.000	593.857	-3.000	593.172	594.037	-0.865	6.000	593.857	-3.000	593.857	6.989	593.198	6.000	593.857	6.989	593.198
1700	7.059	593.103	-0.706	6.000	593.809	6.000	593.809	-3.000	593.132	593.989	-0.857	6.000	593.809	-3.000	593.809	6.993	593.147	6.000	593.809	6.993	593.147
1701	7.169	592.983	-0.779	6.000	593.762	6.000	593.762	-3.000	593.064	593.942	-0.878	6.000	593.762	-3.000	593.762	7.162	592.988	6.000	593.762	7.162	592.988
1702	7.109	592.976	-0.739	6.000	593.715	6.000	593.715	-3.000	593.035	593.895	-0.860	6.000	593.715	-3.000	593.715	7.242	592.887	6.000	593.715	7.242	592.887
1703	7.143	592.905	-0.762	6.000	593.667	6.000	593.667	-3.000	592.978	593.847	-0.869	6.000	593.667	-3.000	593.667	7.105	592.931	6.000	593.667	7.105	592.931
1704	7.131	592.866	-0.754	6.000	593.620	6.000	593.620	-3.000	592.961	593.800	-0.839	6.000	593.620	-3.000	593.620	7.156	592.849	6.000	593.620	7.156	592.849
1705	7.112	592.831	-0.741	6.000	593.572	6.000	593.572	-3.000	592.931	593.752	-0.821	6.000	593.572	-3.000	593.572	7.077	592.854	6.000	593.572	7.077	592.854
1706	7.095	592.795	-0.730	6.000	593.525	6.000	593.525	-3.000	592.847	593.705	-0.858	6.000	593.525	-3.000	593.525	7.031	592.838	6.000	593.525	7.031	592.838
1707	7.104	592.742	-0.736	6.000	593.478	6.000	593.478	-3.000	592.824	593.658	-0.834	6.000	593.478	-3.000	593.478	7.183	592.689	6.000	593.478	7.183	592.689
1708	6.982	592.776	-0.654	6.000	593.430	6.000	593.430	-3.000	592.817	593.610	-0.793	6.000	593.430	-3.000	593.430	7.054	592.727	6.000	593.430	7.054	592.727
1709	6.965	592.740	-0.643	6.000	593.383	6.000	593.383	-3.000	592.789	593.563	-0.774	6.000	593.383	-3.000	593.383	7.163	592.608	6.000	593.383	7.163	592.608
1710	7.088	592.611	-0.725	6.000	593.336	6.000	593.336	-3.000	592.747	593.516	-0.769	6.000	593.336	-3.000	593.336	7.158	592.564	6.000	593.336	7.158	592.564
1711	7.001	592.621	-0.667	6.000	593.288	6.000	593.288	-3.000	592.683	593.468	-0.785	6.000	593.288	-3.000	593.288						

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo					Eixo					Lado Direito					Offset				
	Distância	Cota	Altura	Distância	Cota	Bordo	%	Cota	Terreno	Projeto	Cota	Vermeilha	Distância	Cota	Bordo	%	Distância	Cota	Distância	Cota
1728	7.146	591.956	-0.764	6.000	592.720	6.000	592.720	-3.000	592.089	592.900	-0.811	6.000	592.720	6.000	592.720	-3.000	7.234	591.897	-0.823	
1729	7.067	591.995	-0.712	6.000	592.707	6.000	592.707	-3.000	592.201	592.887	-0.686	6.000	592.707	6.000	592.707	-3.000	7.071	591.993	-0.714	
1730	6.993	592.031	-0.662	6.000	592.693	6.000	592.693	-3.000	592.228	592.873	-0.645	6.000	592.693	6.000	592.693	-3.000	7.123	591.944	-0.749	
1731	7.084	591.958	-0.722	6.000	592.680	6.000	592.680	-3.000	592.158	592.860	-0.702	6.000	592.680	6.000	592.680	-3.000	7.240	591.854	-0.826	
1732	7.001	591.999	-0.667	6.000	592.666	6.000	592.666	-3.000	592.106	592.846	-0.740	6.000	592.666	6.000	592.666	-3.000	7.042	591.971	-0.695	
1733	7.156	591.882	-0.771	6.000	592.653	6.000	592.653	-3.000	592.075	592.833	-0.758	6.000	592.653	6.000	592.653	-3.000	6.954	592.017	-0.636	
1734	6.994	591.976	-0.663	6.000	592.639	6.000	592.639	-3.000	592.060	592.819	-0.759	6.000	592.639	6.000	592.639	-3.000	7.088	591.914	-0.725	
1735	6.949	591.994	-0.632	6.000	592.626	6.000	592.626	-3.000	592.061	592.806	-0.745	6.000	592.626	6.000	592.626	-3.000	7.324	591.744	-0.882	
1736	6.897	592.014	-0.598	6.000	592.612	6.000	592.612	-3.000	592.066	592.792	-0.726	6.000	592.612	6.000	592.612	-3.000	7.371	591.698	-0.914	
1737	6.863	592.024	-0.575	6.000	592.599	6.000	592.599	-3.000	592.035	592.779	-0.744	6.000	592.599	6.000	592.599	-3.000	7.417	591.654	-0.945	
1738	6.875	592.002	-0.583	6.000	592.585	6.000	592.585	-3.000	591.865	592.765	-0.900	6.000	592.585	6.000	592.585	-3.000	7.366	591.675	-0.910	
1739	6.918	591.960	-0.612	6.000	592.572	6.000	592.572	-3.000	591.940	592.752	-0.812	6.000	592.572	6.000	592.572	-3.000	7.475	591.589	-0.983	
1740	6.950	591.925	-0.633	6.000	592.558	6.000	592.558	-3.000	591.934	592.738	-0.804	6.000	592.558	6.000	592.558	-3.000	7.423	591.609	-0.949	
1741	6.941	591.918	-0.627	6.000	592.545	6.000	592.545	-3.000	591.931	592.725	-0.794	6.000	592.545	6.000	592.545	-3.000	7.543	591.516	-1.029	
1742	6.901	591.931	-0.600	6.000	592.531	6.000	592.531	-3.000	591.896	592.711	-0.815	6.000	592.531	6.000	592.531	-3.000	7.560	591.491	-1.040	
1742+16.016	6.954	591.884	-0.636	6.000	592.520	6.000	592.520	-3.000	591.851	592.700	-0.849	6.000	592.520	6.000	592.520	-3.000	7.520	591.507	-1.013	
1743	6.950	591.885	-0.633	6.000	592.518	6.000	592.518	-3.000	591.859	592.698	-0.839	6.000	592.518	6.000	592.518	-3.000	7.560	591.478	-1.040	
1744	6.942	591.876	-0.628	6.000	592.504	6.000	592.504	-3.000	591.890	592.684	-0.794	6.000	592.504	6.000	592.504	-3.000	7.406	591.567	-0.937	
1745	6.912	591.882	-0.608	6.000	592.490	6.000	592.490	-3.000	591.871	592.670	-0.799	6.000	592.490	6.000	592.490	-3.000	7.440	591.530	-0.960	
1746	6.927	591.859	-0.618	6.000	592.477	6.000	592.477	-3.000	591.922	592.657	-0.735	6.000	592.477	6.000	592.477	-3.000	7.420	591.530	-0.947	
1747	6.944	591.834	-0.629	6.000	592.463	6.000	592.463	-3.000	591.925	592.643	-0.718	6.000	592.463	6.000	592.463	-3.000	7.378	591.544	-0.919	
1748	7.101	591.716	-0.734	6.000	592.450	6.000	592.450	-3.000	591.958	592.630	-0.672	6.000	592.450	6.000	592.450	-3.000	7.225	591.634	-0.816	
1749	7.118	591.691	-0.745	6.000	592.436	6.000	592.436	-3.000	592.140	592.616	-0.476	6.000	592.436	6.000	592.436	-3.000	7.420	591.489	-0.947	
1750	7.081	591.702	-0.721	6.000	592.423	6.000	592.423	-3.000	592.040	592.603	-0.563	6.000	592.423	6.000	592.423	-3.000	6.845	591.859	-0.564	
1751	7.027	591.724	-0.685	6.000	592.409	6.000	592.409	-3.000	591.930	592.589	-0.659	6.000	592.409	6.000	592.409	-3.000	7.175	591.626	-0.783	
1752	7.086	591.672	-0.724	6.000	592.396	6.000	592.396	-3.000	591.837	592.576	-0.739	6.000	592.396	6.000	592.396	-3.000	7.324	591.514	-0.882	
1753	7.236	591.558	-0.824	6.000	592.382	6.000	592.382	-3.000	591.788	592.562	-0.774	6.000	592.382	6.000	592.382	-3.000	7.183	591.593	-0.789	
1754	7.446	591.405	-0.964	6.000	592.369	6.000	592.369	-3.000	591.769	592.549	-0.780	6.000	592.369	6.000	592.369	-3.000	7.110	591.629	-0.740	
1755	7.607	591.284	-1.071	6.000	592.355	6.000	592.355	-3.000	591.766	592.535	-0.769	6.000	592.355	6.000	592.355	-3.000	6.781	591.835	-0.520	
1756	7.402	591.407	-0.935	6.000	592.342	6.000	592.342	-3.000	591.772	592.522	-0.750	6.000	592.342	6.000	592.342	-3.000	7.038	591.650	-0.692	
1757	7.605	591.258	-1.070	6.000	592.328	6.000	592.328	-3.000	591.744	592.508	-0.764	6.000	592.328	6.000	592.328	-3.000	6.840	591.768	-0.560	
1758	7.615	591.238	-1.077	6.000	592.315	6.000	592.315	-3.000	591.701	592.495	-0.794	6.000	592.315	6.000	592.315	-3.000	6.873	591.733	-0.582	
1759	7.694	591.172	-1.129	6.000	592.301	6.000	592.301	-3.000	591.693	592.481	-0.788	6.000	592.301	6.000	592.301	-3.000	6.881	591.714	-0.587	
1760	7.639	591.195	-1.093	6.000	592.288	6.000	592.288	-3.000	591.707	592.468	-0.761	6.000	592.288	6.000	592.288	-3.000	6.887	591.697	-0.591	
1761	7.500	591.274	-1.000	6.000	592.274	6.000	592.274	-3.000	591.708	592.454	-0.746	6.000	592.274	6.000	592.274	-3.000	6.815	591.731	-0.543	
1762	7.596	591.197	-1.064	6.000	592.261	6.000	592.261	-3.000	591.618	592.441	-0.823	6.000	592.261	6.000	592.261	-3.000	7.241	591.434	-0.827	
1763	7.440	591.287	-0.960	6.000	592.247	6.000	592.247	-3.000	591.518	592.427	-0.909	6.000	592.247	6.000	592.247	-3.000	7.250	591.414	-0.833	
1764	7.438	591.276	-0.958	6.000	592.234	6.000	592.234	-3.000	591.448	592.414	-0.966	6.000	592.234	6.000	592.234	-3.000	7.299	591.368	-0.866	
1765	7.448	591.255	-0.965	6.000	592.220	6.000	592.220	-3.000	591.398	592.400	-1.002	6.000	592.220	6.000	592.220	-3.000	7.326	591.336	-0.884	
1766	7.375	591.290	-0.917	6.000	592.207	6.000	592.207	-3.000	591.424	592.387	-0.963	6.000	592.207	6.000	592.207	-3.000	7.213	591.398	-0.809	
1767	7.296	591.327	-0.864	6.000	592.191	6.000	592.191	-3.000	591.359	592.371	-1.012	6.000	592.191	6.000	592.191	-3.000	7.075	591.474	-0.717	
1768	7.283	591.315	-0.856	6.000	592.171	6.000	592.171	-3.000	591.370	592.351	-0.981	6.000	592.171	6.000	592.171	-3.000	7.197	591.373	-0.798	
1769	7.283	591.291	-0.856	6.000	592.147	6.000	592.147	-3.000	591.341	592.327	-0.986	6.000	592.147	6.000	592.147	-3.000	7.271	591.299	-0.848	
1770	7.266	591.275	-0.844	6.000	592.119	6.000	592.119	-3.000	591.354	592.299	-0.945	6.000	592.119	6.000	592.119	-3.000	7.274	591.269	-0.850	
1771	7.274	591.240	-0.849	6.000	592.089	6.000	592.089	-3.000	591.360	592.269	-0.909	6.000	592.089	6.000	592.089	-3.000	7.309	591.216	-0.873	
1772	7.285	591.202	-0.857	6.000	592.059	6.000	592.059	-3.000	591.339											

Nota de Serviço de Terraplenagem																				
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset			
	Distância	Cota	Altura	Distância	Bordo	%	Cota	Terreno	Cota	Projeto	Vermeilha	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura	
1785	6.856	591.095	-0.571	6.000	591.666	-3.000	591.184	591.846	-0.662	6.000	591.666	-3.000	6.000	591.666	-3.000	6.000	591.666	6.508	591.327	-0.339
1786	6.968	590.991	-0.645	6.000	591.636	-3.000	591.102	591.816	-0.714	6.000	591.636	-3.000	6.000	591.636	-3.000	6.000	591.636	6.907	591.031	-0.605
1787	6.967	590.961	-0.645	6.000	591.606	-3.000	591.051	591.786	-0.735	6.000	591.606	-3.000	6.000	591.606	-3.000	6.000	591.606	6.900	591.006	-0.600
1788	7.004	590.907	-0.669	6.000	591.576	-3.000	590.998	591.756	-0.758	6.000	591.576	-3.000	6.000	591.576	-3.000	6.000	591.576	7.015	590.899	-0.677
1789	6.772	591.030	-0.515	6.000	591.545	-3.000	591.050	591.725	-0.675	6.000	591.545	-3.000	6.000	591.545	-3.000	6.000	591.545	6.906	590.941	-0.604
1790	6.873	590.933	-0.582	6.000	591.515	-3.000	591.003	591.695	-0.692	6.000	591.515	-3.000	6.000	591.515	-3.000	6.000	591.515	7.021	590.834	-0.681
1791	6.859	590.913	-0.572	6.000	591.485	-3.000	590.927	591.665	-0.738	6.000	591.485	-3.000	6.000	591.485	-3.000	6.000	591.485	6.694	591.022	-0.463
1792	6.787	590.930	-0.525	6.000	591.455	-3.000	590.936	591.635	-0.699	6.000	591.455	-3.000	6.000	591.455	-3.000	6.000	591.455	6.873	590.873	-0.582
1793	6.774	590.909	-0.516	6.000	591.425	-3.000	590.959	591.605	-0.646	6.000	591.425	-3.000	6.000	591.425	-3.000	6.000	591.425	6.829	590.873	-0.552
1794	6.791	590.867	-0.527	6.000	591.394	-3.000	590.884	591.574	-0.690	6.000	591.394	-3.000	6.000	591.394	-3.000	6.000	591.394	6.862	590.819	-0.575
1795	6.773	590.849	-0.515	6.000	591.364	-3.000	590.882	591.544	-0.662	6.000	591.364	-3.000	6.000	591.364	-3.000	6.000	591.364	6.845	590.800	-0.564
1796	6.812	590.793	-0.541	6.000	591.334	-3.000	590.856	591.514	-0.658	6.000	591.334	-3.000	6.000	591.334	-3.000	6.000	591.334	6.748	590.835	-0.499
1797	6.851	590.737	-0.567	6.000	591.304	-3.000	590.874	591.484	-0.610	6.000	591.304	-3.000	6.000	591.304	-3.000	6.000	591.304	6.730	590.817	-0.487
1798	6.949	590.641	-0.633	6.000	591.274	-3.000	590.823	591.454	-0.631	6.000	591.274	-3.000	6.000	591.274	-3.000	6.000	591.274	6.721	590.793	-0.481
1799	6.850	590.676	-0.567	6.000	591.243	-3.000	590.800	591.423	-0.623	6.000	591.243	-3.000	6.000	591.243	-3.000	6.000	591.243	6.783	590.721	-0.522
1800	6.818	590.668	-0.545	6.000	591.213	-3.000	590.785	591.393	-0.608	6.000	591.213	-3.000	6.000	591.213	-3.000	6.000	591.213	6.773	590.698	-0.515
1801	6.770	590.670	-0.513	6.000	591.183	-3.000	590.738	591.363	-0.625	6.000	591.183	-3.000	6.000	591.183	-3.000	6.000	591.183	6.654	590.747	-0.436
1802	6.695	590.690	-0.463	6.000	591.153	-3.000	590.766	591.333	-0.567	6.000	591.153	-3.000	6.000	591.153	-3.000	6.000	591.153	6.696	590.689	-0.464
1803	6.662	590.681	-0.442	6.000	591.123	-3.000	590.740	591.303	-0.563	6.000	591.123	-3.000	6.000	591.123	-3.000	6.000	591.123	6.414	590.847	-0.276
1804	6.687	590.634	-0.458	6.000	591.092	-3.000	590.678	591.272	-0.594	6.000	591.092	-3.000	6.000	591.092	-3.000	6.000	591.092	6.714	590.616	-0.476
1805	6.795	590.532	-0.530	6.000	591.062	-3.000	590.613	591.242	-0.629	6.000	591.062	-3.000	6.000	591.062	-3.000	6.000	591.062	6.768	590.550	-0.512
1806	6.754	590.529	-0.503	6.000	591.032	-3.000	590.573	591.212	-0.639	6.000	591.032	-3.000	6.000	591.032	-3.000	6.000	591.032	6.690	590.572	-0.460
1807	6.592	590.607	-0.395	6.000	591.002	-3.000	590.595	591.182	-0.587	6.000	591.002	-3.000	6.000	591.002	-3.000	6.000	591.002	6.781	590.482	-0.520
1808	6.699	590.506	-0.466	6.000	590.972	-3.000	590.563	591.152	-0.589	6.000	590.972	-3.000	6.000	590.972	-3.000	6.000	590.972	6.548	590.607	-0.365
1809	6.736	590.450	-0.491	6.000	590.941	-3.000	590.520	591.121	-0.601	6.000	590.941	-3.000	6.000	590.941	-3.000	6.000	590.941	6.446	590.644	-0.297
1810	6.762	590.403	-0.508	6.000	590.911	-3.000	590.499	591.091	-0.592	6.000	590.911	-3.000	6.000	590.911	-3.000	6.000	590.911	6.697	590.447	-0.464
1811	6.620	590.468	-0.413	6.000	590.881	-3.000	590.502	591.061	-0.559	6.000	590.881	-3.000	6.000	590.881	-3.000	6.000	590.881	6.467	590.570	-0.311
1812	6.607	590.446	-0.405	6.000	590.851	-3.000	590.462	591.031	-0.569	6.000	590.851	-3.000	6.000	590.851	-3.000	6.000	590.851	6.731	590.384	-0.487
1813	6.669	590.375	-0.446	6.000	590.821	-3.000	590.425	591.001	-0.576	6.000	590.821	-3.000	6.000	590.821	-3.000	6.000	590.821	6.692	590.360	-0.461
1814	6.716	590.313	-0.477	6.000	590.790	-3.000	590.453	590.970	-0.517	6.000	590.790	-3.000	6.000	590.790	-3.000	6.000	590.790	6.583	590.401	-0.389
1815	6.645	590.330	-0.430	6.000	590.760	-3.000	590.401	590.940	-0.539	6.000	590.760	-3.000	6.000	590.760	-3.000	6.000	590.760	6.291	590.566	-0.194
1816	6.591	590.336	-0.394	6.000	590.730	-3.000	590.372	590.910	-0.538	6.000	590.730	-3.000	6.000	590.730	-3.000	6.000	590.730	6.661	590.290	-0.440
1817	6.539	590.340	-0.360	6.000	590.700	-3.000	590.361	590.880	-0.519	6.000	590.700	-3.000	6.000	590.700	-3.000	6.000	590.700	6.786	590.176	-0.524
1818	6.501	590.336	-0.334	6.000	590.670	-3.000	590.362	590.850	-0.488	6.000	590.670	-3.000	6.000	590.670	-3.000	6.000	590.670	6.771	590.156	-0.514
1819	6.579	590.253	-0.386	6.000	590.639	-3.000	590.329	590.819	-0.490	6.000	590.639	-3.000	6.000	590.639	-3.000	6.000	590.639	6.645	590.209	-0.430
1820	6.675	590.159	-0.450	6.000	590.609	-3.000	590.299	590.789	-0.490	6.000	590.609	-3.000	6.000	590.609	-3.000	6.000	590.609	6.498	590.277	-0.332
1821	6.611	590.172	-0.407	6.000	590.579	-3.000	590.254	590.759	-0.505	6.000	590.579	-3.000	6.000	590.579	-3.000	6.000	590.579	6.407	590.308	-0.271
1822	6.668	590.104	-0.445	6.000	590.549	-3.000	590.182	590.729	-0.547	6.000	590.549	-3.000	6.000	590.549	-3.000	6.000	590.549	6.811	590.009	-0.540
1823	6.695	590.056	-0.463	6.000	590.519	-3.000	590.150	590.699	-0.549	6.000	590.519	-3.000	6.000	590.519	-3.000	6.000	590.519	6.674	590.070	-0.449
1824	6.660	590.048	-0.440	6.000	590.488	-3.000	590.156	590.668	-0.512	6.000	590.488	-3.000	6.000	590.488	-3.000	6.000	590.488	6.713	590.013	-0.475
1825	6.672	590.010	-0.448	6.000	590.458	-3.000	590.082	590.638	-0.576	6.000	590.458	-3.000	6.000	590						

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo			Eixo			Lado Direito		
	Offset	Distância	Cota	Offset	Distância	Cota	Offset	Distância	Cota
1843	6.788	589.390	-0.525	6.000	589.915	-3.000	6.000	589.439	590.095
1844	6.804	589.348	-0.536	6.000	589.884	-3.000	6.000	589.391	590.064
1845	6.849	589.288	-0.566	6.000	589.854	-3.000	6.000	589.395	590.034
1846	6.876	589.240	-0.584	6.000	589.824	-3.000	6.000	589.326	590.004
1847	6.862	589.219	-0.575	6.000	589.794	-3.000	6.000	589.317	589.974
1848	6.887	589.173	-0.591	6.000	589.764	-3.000	6.000	589.260	589.944
1849	6.949	589.100	-0.633	6.000	589.733	-3.000	6.000	589.183	589.913
1850	6.922	589.089	-0.614	6.000	589.703	-3.000	6.000	589.164	589.883
1851	7.086	588.949	-0.724	6.000	589.673	-3.000	6.000	589.137	589.853
1852	7.124	588.894	-0.749	6.000	589.643	-3.000	6.000	589.102	589.823
1853	7.123	588.865	-0.748	6.000	589.613	-3.000	6.000	589.049	589.793
1854	7.107	588.844	-0.738	6.000	589.582	-3.000	6.000	589.955	589.762
1855	7.138	588.790	-0.759	6.000	589.549	-3.000	6.000	589.905	589.729
1856	7.149	588.743	-0.766	6.000	589.509	-3.000	6.000	588.880	589.689
1857	7.127	588.712	-0.751	6.000	589.463	-3.000	6.000	588.799	589.643
1858	7.119	588.664	-0.746	6.000	589.410	-3.000	6.000	588.734	589.590
1859	7.094	588.625	-0.729	6.000	589.354	-3.000	6.000	588.701	589.534
1860	7.065	588.588	-0.710	6.000	589.298	-3.000	6.000	588.697	589.478
1861	7.057	588.538	-0.704	6.000	589.242	-3.000	6.000	588.676	589.422
1862	7.013	588.511	-0.675	6.000	589.186	-3.000	6.000	588.649	589.366
1863	7.000	588.464	-0.667	6.000	589.131	-3.000	6.000	588.561	589.311
1864	6.990	588.415	-0.660	6.000	589.075	-3.000	6.000	588.517	589.255
1865	6.979	588.366	-0.653	6.000	589.019	-3.000	6.000	588.497	589.199
1866	6.969	588.317	-0.646	6.000	588.963	-3.000	6.000	588.494	589.143
1867	6.956	588.269	-0.638	6.000	588.907	-3.000	6.000	588.449	589.087
1868	6.942	588.223	-0.628	6.000	588.851	-3.000	6.000	588.349	589.031
1869	6.909	588.189	-0.606	6.000	588.795	-3.000	6.000	588.285	588.975
1870	6.875	588.156	-0.583	6.000	588.739	-3.000	6.000	588.238	588.919
1871	6.840	588.123	-0.560	6.000	588.683	-3.000	6.000	588.189	588.863
1871+2, 709	6.836	588.118	-0.557	6.000	588.675	-3.000	6.000	588.182	588.855
1872	6.805	588.090	-0.537	6.000	588.627	-3.000	6.000	588.137	588.807
1873	6.877	587.986	-0.585	6.000	588.571	-3.000	6.000	588.123	588.751
1874	6.855	587.945	-0.570	6.000	588.515	-3.000	6.000	588.089	588.695
1875	6.797	587.928	-0.531	6.000	588.459	-3.000	6.000	588.034	588.639
1876	6.858	587.831	-0.572	6.000	588.403	-3.000	6.000	587.972	588.583
1877	6.691	587.886	-0.461	6.000	588.347	-3.000	6.000	587.947	588.527
1878	6.733	587.803	-0.488	6.000	588.291	-3.000	6.000	587.890	588.471
1879	6.781	587.716	-0.520	6.000	588.236	-3.000	6.000	587.826	588.416
1880	6.771	587.666	-0.514	6.000	588.180	-3.000	6.000	587.708	588.360
1881	6.754	587.622	-0.502	6.000	588.124	-3.000	6.000	587.580	588.304
1882	6.769	587.555	-0.513	6.000	588.068	-3.000	6.000	587.578	588.248
1883	6.798	587.480	-0.532	6.000	588.012	-3.000	6.000	587.510	588.192
1884	6.825	587.406	-0.550	6.000	587.956	-3.000	6.000	587.454	588.136
1885	6.836	587.343	-0.557	6.000	587.900	-3.000	6.000	587.446	588.080
1886	6.827	587.292	-0.551	6.000	587.843	-3.000	6.000	587.415	588.023
1887	6.823	587.234	-0.549	6.000	587.783	-3.000	6.000	587.283	587.963
1888	6.972	587.073	-0.648	6.000	587.721	-3.000	6.000	587.205	587.901
1889	6.914	587.048	-0.609	6.000	587.657	-3.000	6.000	587.134	587.837
1890	6.827	587.040	-0.551	6.000	587.591	-3.000	6.000	587.084	587.771
1891	6.800	586.992	-0.533	6.000	587.525	-3.000	6.000	587.040	587.705
1892	6.840	586.899	-0.560	6.000	587.459	-3.000	6.000	587.033	587.639
1893	6.877	586.809	-0.585	6.000	587.394	-3.000	6.000	586.917	587.574
1894	6.887	586.736	-0.592	6.000	587.328	-3.000	6.000	586.799	587.508
1895	6.898	586.663	-0.599	6.000	587.262	-3.000	6.000	586.749	587.442
1896	6.907	586.591	-0.605	6.000	587.196	-3.000	6.000	586.663	587.376
1897	6.917	586.520	-0.611	6.000	587.131	-3.000	6.000	586.610	587.311
1898	6.909	586.459	-0.606	6.000	587.065	-3.000	6.000	586.541	587.245
1899	6.900	586.399	-0.600	6.000	586.999	-3.000	6.000	586.536	587.179

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito				Offset							
	Distância	Altura	Offset	Banqueta	Distância	Cota	%	Bordo	Distância	Cota	Vermeilha	Distância	Cota	%	Bordo	Distância	Cota	Distância	Cota	Altura
1900	6,890	586,340	-0,593	6,000	586,933	6,000	586,933	-3,000	586,495	587,113	-0,618	6,000	586,933	-3,000	586,933	6,396	586,669	6,000	586,933	-0,264
1901	6,876	586,284	-0,584	6,000	586,868	6,000	586,868	-3,000	586,416	587,048	-0,632	6,000	586,868	-3,000	586,868	6,885	586,278	6,000	586,868	-0,590
1902	6,846	586,238	-0,564	6,000	586,802	6,000	586,802	-3,000	586,378	586,982	-0,604	6,000	586,802	-3,000	586,802	6,812	586,260	6,000	586,802	-0,542
1903	6,862	586,161	-0,575	6,000	586,736	6,000	586,736	-3,000	586,301	586,916	-0,615	6,000	586,736	-3,000	586,736	6,872	586,154	6,000	586,736	-0,582
1904	6,862	586,095	-0,575	6,000	586,670	6,000	586,670	-3,000	586,222	586,850	-0,628	6,000	586,670	-3,000	586,670	6,927	586,052	6,000	586,670	-0,618
1905	6,831	586,051	-0,554	6,000	586,605	6,000	586,605	-3,000	586,168	586,785	-0,617	6,000	586,605	-3,000	586,605	6,730	586,118	6,000	586,605	-0,487
1906	6,777	586,021	-0,518	6,000	586,539	6,000	586,539	-3,000	586,064	586,719	-0,655	6,000	586,539	-3,000	586,539	6,762	586,031	6,000	586,539	-0,508
1907	6,836	585,916	-0,557	6,000	586,473	6,000	586,473	-3,000	585,981	586,653	-0,672	6,000	586,473	-3,000	586,473	7,028	585,788	6,000	586,473	-0,685
1908	6,857	585,836	-0,571	6,000	586,407	6,000	586,407	-3,000	585,943	586,587	-0,644	6,000	586,407	-3,000	586,407	6,940	585,780	6,000	586,407	-0,627
1909	6,753	585,840	-0,502	6,000	586,342	6,000	586,342	-3,000	585,852	586,522	-0,670	6,000	586,342	-3,000	586,342	7,025	585,659	6,000	586,342	-0,683
1910	6,850	585,709	-0,567	6,000	586,276	6,000	586,276	-3,000	585,757	586,456	-0,699	6,000	586,276	-3,000	586,276	7,068	585,564	6,000	586,276	-0,712
1911	6,969	585,564	-0,646	6,000	586,210	6,000	586,210	-3,000	585,645	586,390	-0,745	6,000	586,210	-3,000	586,210	6,737	585,719	6,000	586,210	-0,491
1912	7,004	585,475	-0,669	6,000	586,144	6,000	586,144	-3,000	585,546	586,324	-0,778	6,000	586,144	-3,000	586,144	6,584	585,755	6,000	586,144	-0,389
1913	6,983	585,424	-0,655	6,000	586,079	6,000	586,079	-3,000	585,414	586,259	-0,845	6,000	586,079	-3,000	586,079	7,144	585,316	6,000	586,079	-0,763
1914	6,937	585,389	-0,624	6,000	586,013	6,000	586,013	-3,000	585,373	586,193	-0,820	6,000	586,013	-3,000	586,013	6,963	585,371	6,000	586,013	-0,642
1915	6,883	585,358	-0,589	6,000	585,947	6,000	585,947	-3,000	585,319	586,127	-0,808	6,000	585,947	-3,000	585,947	7,029	585,261	6,000	585,947	-0,686
1916	6,811	585,340	-0,541	6,000	585,881	6,000	585,881	-3,000	585,287	586,061	-0,774	6,000	585,881	-3,000	585,881	7,147	585,117	6,000	585,881	-0,764
1917	6,863	585,241	-0,575	6,000	585,816	6,000	585,816	-3,000	585,199	585,996	-0,797	6,000	585,816	-3,000	585,816	7,048	585,117	6,000	585,816	-0,699
1918	6,875	585,167	-0,583	6,000	585,750	6,000	585,750	-3,000	585,132	585,930	-0,798	6,000	585,750	-3,000	585,750	6,945	585,120	6,000	585,750	-0,630
1919	6,888	585,092	-0,592	6,000	585,684	6,000	585,684	-3,000	585,063	585,864	-0,801	6,000	585,684	-3,000	585,684	6,933	585,062	6,000	585,684	-0,622
1920	6,976	584,967	-0,651	6,000	585,618	6,000	585,618	-3,000	585,007	585,798	-0,791	6,000	585,618	-3,000	585,618	7,073	584,903	6,000	585,618	-0,715
1921	6,921	584,939	-0,614	6,000	585,553	6,000	585,553	-3,000	584,931	585,733	-0,802	6,000	585,553	-3,000	585,553	7,030	584,866	6,000	585,553	-0,687
1922	6,945	584,857	-0,630	6,000	585,487	6,000	585,487	-3,000	584,887	585,667	-0,780	6,000	585,487	-3,000	585,487	7,053	584,785	6,000	585,487	-0,702
1923	6,967	584,776	-0,645	6,000	585,421	6,000	585,421	-3,000	584,812	585,601	-0,789	6,000	585,421	-3,000	585,421	6,856	584,850	6,000	585,421	-0,571
1924	6,989	584,696	-0,659	6,000	585,355	6,000	585,355	-3,000	584,793	585,535	-0,742	6,000	585,355	-3,000	585,355	6,675	584,905	6,000	585,355	-0,450
1925	7,010	584,617	-0,673	6,000	585,290	6,000	585,290	-3,000	584,739	585,470	-0,731	6,000	585,290	-3,000	585,290	6,864	584,714	6,000	585,290	-0,576
1926	7,022	584,543	-0,681	6,000	585,224	6,000	585,224	-3,000	584,678	585,404	-0,726	6,000	585,224	-3,000	585,224	7,127	584,473	6,000	585,224	-0,751
1927	7,009	584,485	-0,673	6,000	585,158	6,000	585,158	-3,000	584,622	585,338	-0,716	6,000	585,158	-3,000	585,158	7,237	584,333	6,000	585,158	-0,825
1928	7,048	584,393	-0,699	6,000	585,092	6,000	585,092	-3,000	584,532	585,272	-0,740	6,000	585,092	-3,000	585,092	7,270	584,245	6,000	585,092	-0,847
1929	7,088	584,302	-0,725	6,000	585,027	6,000	585,027	-3,000	584,403	585,207	-0,804	6,000	585,027	-3,000	585,027	7,127	584,276	6,000	585,027	-0,751
1930	7,065	584,251	-0,710	6,000	584,961	6,000	584,961	-3,000	584,327	585,141	-0,814	6,000	584,961	-3,000	584,961	6,827	584,410	6,000	584,961	-0,551
1931	7,042	584,200	-0,695	6,000	584,895	6,000	584,895	-3,000	584,204	585,075	-0,871	6,000	584,895	-3,000	584,895	7,054	584,192	6,000	584,895	-0,703
1932	7,018	584,151	-0,678	6,000	584,829	6,000	584,829	-3,000	584,117	585,009	-0,892	6,000	584,829	-3,000	584,829	7,258	583,990	6,000	584,829	-0,839
1933	6,994	584,101	-0,663	6,000	584,764	6,000	584,764	-3,000	584,114	584,944	-0,830	6,000	584,764	-3,000	584,764	7,338	583,872	6,000	584,764	-0,892
1934	7,033	584,009	-0,689	6,000	584,698	6,000	584,698	-3,000	584,056	584,878	-0,822	6,000	584,698	-3,000	584,698	7,177	583,913	6,000	584,698	-0,785
1935	7,078	583,913	-0,719	6,000	584,632	6,000	584,632	-3,000	583,873	584,812	-0,939	6,000	584,632	-3,000	584,632	7,118	583,887	6,000	584,632	-0,745
1936	7,120	583,819	-0,747	6,000	584,566	6,000	584,566	-3,000	583,859	584,746	-0,887	6,000	584,566	-3,000	584,566	6,853	583,997	6,000	584,566	-0,569
1937	7,125	583,751	-0,750	6,000	584,501	6,000	584,501	-3,000	583,670	584,681	-1,011	6,000	584,501	-3,000	584,501	7,165	583,725	6,000	584,501	-0,776
1938	7,095	583,705	-0,730	6,000	584,435	6,000	584,435	-3,000	583,625	584,615	-0,990	6,000	584,435	-3,000	584,435	7,217	583,624	6,000	584,435	-0,811
1939	7,060	583,663	-0,706	6,000	584,369	6,000	584,369	-3,000	583,754	584,549	-0,795	6,000	584,369	-3,000	584,369	7,014	583,693	6,000		

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito			
	Distância	Cota	Altura	Offset	Distância	Cota	Vermeilha	Cota	Distância	Cota	Vermeilha	Cota
1958	6.915	582.510	-0.610		6.000	583.120	-3.000	582.576	6.000	583.120	-3.000	
1959	6.934	582.431	-0.623		6.000	583.054	-3.000	582.465	6.000	583.054	-3.000	
1960	6.954	582.332	-0.656		6.000	582.988	-3.000	582.324	6.000	582.988	-3.000	
1961	6.935	582.366	-0.557		6.000	582.923	-3.000	582.326	6.000	582.923	-3.000	
1962	6.806	582.320	-0.537		6.000	582.857	-3.000	582.234	6.000	582.857	-3.000	
1963	6.802	582.256	-0.535		6.000	582.791	-3.000	582.191	6.000	582.791	-3.000	
1964	7.286	581.867	-0.858		6.000	582.725	-3.000	582.188	6.000	582.725	-3.000	
1965	6.756	582.156	-0.504		6.000	582.660	-3.000	582.043	6.000	582.660	-3.000	
1966	6.663	582.152	-0.442		6.000	582.594	-3.000	582.015	6.000	582.594	-3.000	
1967	6.572	582.147	-0.381		6.000	582.528	-3.000	581.939	6.000	582.528	-3.000	
1968	6.685	582.005	-0.457		6.000	582.462	-3.000	581.881	6.000	582.462	-3.000	
1969	6.588	582.005	-0.392		6.000	582.397	-3.000	581.841	6.000	582.397	-3.000	
1970	6.487	582.007	-0.324		6.000	582.331	-3.000	581.830	6.000	582.331	-3.000	
1971	6.584	581.876	-0.389		6.000	582.265	-3.000	581.722	6.000	582.265	-3.000	
1972	6.743	581.703	-0.496		6.000	582.199	-3.000	581.690	6.000	582.199	-3.000	
1973	6.833	581.578	-0.556		6.000	582.134	-3.000	581.623	6.000	582.134	-3.000	
1974	6.908	581.463	-0.605		6.000	582.068	-3.000	581.506	6.000	582.068	-3.000	
1975	6.843	581.440	-0.562		6.000	582.002	-3.000	581.377	6.000	582.002	-3.000	
1976	6.762	581.428	-0.508		6.000	581.936	-3.000	581.331	6.000	581.936	-3.000	
1977	6.821	581.324	-0.547		6.000	581.871	-3.000	581.425	6.000	581.871	-3.000	
1978	6.812	581.263	-0.542		6.000	581.805	-3.000	581.332	6.000	581.805	-3.000	
1979	6.763	581.231	-0.508		6.000	581.739	-3.000	581.236	6.000	581.739	-3.000	
1980	6.669	581.227	-0.446		6.000	581.673	-3.000	581.154	6.000	581.673	-3.000	
1981	6.929	580.989	-0.619		6.000	581.608	-3.000	581.055	6.000	581.608	-3.000	
1982	7.047	580.844	-0.698		6.000	581.542	-3.000	581.051	6.000	581.542	-3.000	
1983	6.826	580.925	-0.551		6.000	581.476	-3.000	581.037	6.000	581.476	-3.000	
1984	6.815	580.867	-0.543		6.000	581.410	-3.000	580.984	6.000	581.410	-3.000	
1985	6.821	580.798	-0.547		6.000	581.345	-3.000	580.834	6.000	581.345	-3.000	
1986	6.761	580.772	-0.507		6.000	581.279	-3.000	580.751	6.000	581.279	-3.000	
1987	6.639	580.787	-0.426		6.000	581.213	-3.000	580.773	6.000	581.213	-3.000	
1988	6.516	580.803	-0.344		6.000	581.147	-3.000	580.795	6.000	581.147	-3.000	
1989	6.657	580.704	-0.378		6.000	581.082	-3.000	580.720	6.000	581.082	-3.000	
1990	6.842	580.455	-0.561		6.000	581.016	-3.000	580.671	6.000	581.016	-3.000	
1991	6.947	580.318	-0.632		6.000	580.950	-3.000	580.492	6.000	580.950	-3.000	
1992	6.908	580.279	-0.605		6.000	580.884	-3.000	580.451	6.000	580.884	-3.000	
1993	6.885	580.229	-0.590		6.000	580.819	-3.000	580.358	6.000	580.819	-3.000	
1994	6.938	580.128	-0.625		6.000	580.753	-3.000	580.282	6.000	580.753	-3.000	
1995	6.926	580.070	-0.617		6.000	580.687	-3.000	580.181	6.000	580.687	-3.000	
1996	6.916	580.010	-0.611		6.000	580.621	-3.000	580.051	6.000	580.621	-3.000	
1997	6.896	579.958	-0.598		6.000	580.556	-3.000	580.101	6.000	580.556	-3.000	
1998	6.939	579.864	-0.626		6.000	580.490	-3.000	579.970	6.000	580.490	-3.000	
1999	6.890	579.831	-0.593		6.000	580.424	-3.000	579.898	6.000	580.424	-3.000	
2000	6.933	579.736	-0.622		6.000	580.358	-3.000	579.814	6.000	580.358	-3.000	
2001	6.990	579.633	-0.660		6.000	580.293	-3.000	579.730	6.000	580.293	-3.000	
2002	7.052	579.526	-0.701		6.000	580.227	-3.000	579.631	6.000	580.227	-3.000	
2003	7.115	579.418	-0.743		6.000	580.161	-3.000	579.492	6.000	580.161	-3.000	
2004	7.174	579.311	-0.783		6.000	580.094	-3.000	579.517	6.000	580.094	-3.000	
2005	7.201	579.222	-0.801		6.000	580.023	-3.000	579.445	6.000	580.023	-3.000	
2006	7.209	579.144	-0.806		6.000	579.950	-3.000	579.361	6.000	579.950	-3.000	
2007	7.192	579.078	-0.795		6.000	579.873	-3.000	579.280	6.000	579.873	-3.000	
2008	7.238	578.968	-0.825		6.000	579.793	-3.000	579.045	6.000	579.793	-3.000	
2009	7.298	578.843	-0.866		6.000	579.709	-3.000	579.052	6.000	579.709	-3.000	
2010	7.263	578.781	-0.842		6.000	579.623	-3.000	579.003	6.000	579.623	-3.000	
2011	7.263	578.691	-0.842		6.000	579.533	-3.000	578.930	6.000	579.533	-3.000	
2012	7.170	578.660	-0.780		6.000	579.440	-3.000	578.845	6.000	579.440	-3.000	
2013	7.295	578.480	-0.864		6.000	579.344	-3.000	578.644	6.000	579.344	-3.000	
2014	7.461	578.271	-0.974		6.000	579.245	-3.000	578.496	6.000	579.245	-3.000	
2015	7.451	578.175	-0.967		6.000	579.142	-3.000	578.282	6.000	579.142	-3.000	

Nota de Serviço de Terraplenagem

Estaca	Lado Esquerdo				Eixo				Lado Direito			
	Distância	Cota	Altura	Offset	Banqueta	Distância	Cota	Altura	Offset	Distância	Cota	Altura
2016	7.430	578.083	-0.953		6.000	579.036	-3.000	579.036	-3.000	6.000	579.036	-0.877
2017	7.392	578.000	-0.928		6.000	578.928	-3.000	578.928	-3.000	6.000	578.928	-0.931
2018	7.392	577.887	-0.928		6.000	578.815	-3.000	577.965	-1.030	6.000	578.815	-0.859
2019	7.409	577.761	-0.939		6.000	578.700	-3.000	577.792	-1.088	6.000	578.700	-0.872
2020	7.421	577.635	-0.947		6.000	578.582	-3.000	577.680	-1.082	6.000	578.582	-0.889
2021	7.449	577.494	-0.966		6.000	578.460	-3.000	577.464	-1.176	6.000	578.460	-0.800
2022	7.485	577.345	-0.990		6.000	578.335	-3.000	577.433	-1.022	6.000	578.335	-1.031
2023	7.516	577.197	-1.010		6.000	578.207	-3.000	577.422	-0.965	6.000	578.207	-0.971
2024	7.542	577.048	-1.028		6.000	578.076	-3.000	577.257	-0.999	6.000	578.076	-0.878
2025	7.562	576.900	-1.041		6.000	577.941	-3.000	576.992	-1.129	6.000	577.941	-0.864
2026	7.573	576.755	-1.049		6.000	577.804	-3.000	576.846	-1.138	6.000	577.804	-0.921
2027	7.579	576.611	-1.052		6.000	577.663	-3.000	576.814	-1.029	6.000	577.663	-0.749
2028	7.581	576.465	-1.054		6.000	577.519	-3.000	576.671	-1.028	6.000	577.519	-0.897
2029	7.491	576.377	-0.994		6.000	577.371	-3.000	576.583	-0.968	6.000	577.371	-1.033
2030	7.442	576.260	-0.961		6.000	577.221	-3.000	576.454	-0.947	6.000	577.221	-0.939
2031	7.474	576.084	-0.983		6.000	577.067	-3.000	576.247	-1.000	6.000	577.067	-0.892
2032	7.504	575.908	-1.003		6.000	576.911	-3.000	576.098	-0.993	6.000	576.911	-0.887
2033	7.514	575.741	-1.009		6.000	576.750	-3.000	575.942	-0.988	6.000	576.750	-0.678
2034	7.462	575.612	-0.975		6.000	576.587	-3.000	575.695	-1.072	6.000	576.587	-0.755
2035	7.405	575.485	-0.936		6.000	576.421	-3.000	575.646	-0.955	6.000	576.421	-0.925
2036	7.346	575.354	-0.897		6.000	576.251	-3.000	575.528	-0.903	6.000	576.251	-0.881
2037	7.312	575.204	-0.874		6.000	576.078	-3.000	575.201	-1.057	6.000	576.078	-0.844
2038	7.317	575.024	-0.878		6.000	575.902	-3.000	575.055	-1.027	6.000	575.902	-0.894
2039	7.327	574.838	-0.885		6.000	575.723	-3.000	574.973	-0.930	6.000	575.723	-0.910
2040	7.353	574.639	-0.902		6.000	575.541	-3.000	574.783	-0.938	6.000	575.541	-0.917
2041	7.319	574.476	-0.879		6.000	575.355	-3.000	574.639	-0.896	6.000	575.355	-0.836
2042	7.238	574.341	-0.825		6.000	575.166	-3.000	574.464	-0.882	6.000	575.166	-0.815
2043	7.250	574.141	-0.833		6.000	574.974	-3.000	574.233	-0.921	6.000	574.974	-0.849
2044	7.292	573.918	-0.861		6.000	574.779	-3.000	574.067	-0.892	6.000	574.779	-0.812
2045	7.257	573.743	-0.838		6.000	574.581	-3.000	573.877	-0.884	6.000	574.581	-0.812
2046	7.180	573.592	-0.787		6.000	574.379	-3.000	573.680	-0.879	6.000	574.379	-0.842
2047	7.145	573.411	-0.763		6.000	574.174	-3.000	573.483	-0.871	6.000	574.174	-0.913
2048	7.165	573.190	-0.776		6.000	573.966	-3.000	573.255	-0.891	6.000	573.966	-0.892
2049	7.204	572.953	-0.802		6.000	573.755	-3.000	573.093	-0.842	6.000	573.755	-0.741
2050	7.204	572.739	-0.802		6.000	573.541	-3.000	572.883	-0.838	6.000	573.541	-0.573
2051	7.148	572.558	-0.765		6.000	573.323	-3.000	572.667	-0.836	6.000	573.323	-0.511
2052	7.085	572.379	-0.723		6.000	573.102	-3.000	572.537	-0.745	6.000	573.102	-0.776
2053	7.037	572.187	-0.691		6.000	572.878	-3.000	572.285	-0.773	6.000	572.878	-0.719
2054	7.107	571.913	-0.738		6.000	572.651	-3.000	572.082	-0.749	6.000	572.651	-0.627
2055	7.061	571.713	-0.708		6.000	572.421	-3.000	571.887	-0.714	6.000	572.421	-0.487
2056	7.055	571.484	-0.703		6.000	572.187	-3.000	571.644	-0.723	6.000	572.187	-0.589
2057	7.024	571.268	-0.683		6.000	571.951	-3.000	571.427	-0.704	6.000	571.951	-0.832
2058	6.996	571.047	-0.664		6.000	571.711	-3.000	571.215	-0.676	6.000	571.711	-0.665
2059	7.012	570.793	-0.675		6.000	571.468	-3.000	570.898	-0.704	6.000	571.468	-0.564
2060	7.000	570.555	-0.666		6.000	571.221	-3.000	570.697	-0.704	6.000	571.221	-0.707
2061	6.975	570.322	-0.650		6.000	570.972	-3.000	570.455	-0.717	6.000	570.972	-0.367
2062	6.952	570.085	-0.634		6.000	570.719	-3.000	570.225	-0.674	6.000	570.719	-0.582
2063	6.926	569.846	-0.617		6.000	570.463	-3.000	569.996	-0.647	6.000	570.463	-0.509
2064	6.834	569.650	-0.556		6.000	570.206	-3.000	569.766	-0.620	6.000	570.206	-0.458
2065	6.704	569.478	-0.470		6.000	569.948	-3.000	569.560	-0.568	6.000	569.948	-0.393
2066	6.882	569.102	-0.588		6.000	569.690	-3.000	569.273	-0.597	6.000	569.690	-0.389
2067	6.771	568.919	-0.514		6.000	569.433	-3.000	569.021	-0.592	6.000	569.433	-0.567
2068	6.588	568.783	-0.392		6.000	569.175	-3.000	568.770	-0.585	6.000	569.175	-0.731
2069	6.730	568.431	-0.487		6.000	568.918	-3.000	568.538	-0.560	6.000	568.918	-0.451
2070	6.824	568.111	-0.549		6.000	568.660	-3.000	568.269	-0.571	6.000	568.660	-0.520
2071	6.844	567.840	-0.563		6.000	568.403	-3.000	568.031	-0.552	6.000	568.403	-0.533
2072	6.783	567.623	-0.522		6.000	568.145	-3.000	567.805	-0.520	6.000	568.145	-0.533
2073	6.971	567.241	-0.647		6.000	567.888	-3.000	567.455	-0.613	6.000	567.888	-0.711

Nota de Serviço de Terraplenagem																						
Estaca	Lado Esquerdo				Eixo				Lado Direito				Crista de Corte em Rocha				Offset					
	Distância	Cota	Altura		Banqueta	Distância	Cota	%	Terreno	Cota	Projeto	Vermeilha	Cota	Bordo	Distância	Cota	%	Distância	Cota	Distância	Cota	Altura
2074	7,045	566,933	-0,697		6,000	567,630	6,000	567,630	-3,000	567,214	567,810	-0,596	6,000	567,630	6,000	567,630	-3,000	6,000	567,630	7,021	566,949	-0,681
2075	7,113	566,631	-0,742		6,000	567,373	6,000	567,373	-3,000	566,890	567,553	-0,663	6,000	567,373	6,000	567,373	-3,000	6,000	567,373	7,036	566,682	-0,691
2076	7,107	566,374	-0,738		6,000	567,112	6,000	567,112	-3,000	566,694	567,292	-0,598	6,000	567,112	6,000	567,112	-3,000	6,000	567,112	6,831	566,558	-0,554
2077	7,094	566,117	-0,729		6,000	566,846	6,000	566,846	-3,000	566,409	567,026	-0,617	6,000	566,846	6,000	566,846	-3,000	6,000	566,846	6,694	566,384	-0,462
2078	7,028	565,888	-0,685		6,000	566,573	6,000	566,573	-3,000	566,112	566,753	-0,641	6,000	566,573	6,000	566,573	-3,000	6,000	566,573	6,792	566,045	-0,528
2079	6,956	565,656	-0,638		6,000	566,294	6,000	566,294	-3,000	565,893	566,474	-0,581	6,000	566,294	6,000	566,294	-3,000	6,000	566,294	6,681	565,840	-0,454
2080	6,915	565,403	-0,610		6,000	566,013	6,000	566,013	-3,000	565,666	566,193	-0,527	6,000	566,013	6,000	566,013	-3,000	6,000	566,013	6,474	565,697	-0,316
2081	6,756	565,227	-0,504		6,000	565,731	6,000	565,731	-3,000	565,355	565,911	-0,556	6,000	565,731	6,000	565,731	-3,000	6,000	565,731	6,687	565,273	-0,458
2082	6,870	564,869	-0,580		6,000	565,449	6,000	565,449	-3,000	565,107	565,629	-0,522	6,000	565,449	6,000	565,449	-3,000	6,000	565,449	6,459	565,143	-0,306
2083	6,938	564,543	-0,625		6,000	565,168	6,000	565,168	-3,000	564,827	565,348	-0,521	6,000	565,168	6,000	565,168	-3,000	6,000	565,168	6,617	564,757	-0,411
2084	6,914	564,277	-0,609		6,000	564,886	6,000	564,886	-3,000	564,470	565,066	-0,596	6,000	564,886	6,000	564,886	-3,000	6,000	564,886	6,701	564,419	-0,467
2085	6,938	563,979	-0,625		6,000	564,604	6,000	564,604	-3,000	564,221	564,784	-0,563	6,000	564,604	6,000	564,604	-3,000	6,000	564,604	6,899	564,005	-0,599
2086	6,927	563,705	-0,618		6,000	564,323	6,000	564,323	-3,000	563,929	564,503	-0,574	6,000	564,323	6,000	564,323	-3,000	6,000	564,323	6,645	563,893	-0,430
2087	6,835	563,484	-0,557		6,000	564,041	6,000	564,041	-3,000	563,739	564,221	-0,482	6,000	564,041	6,000	564,041	-3,000	6,000	564,041	6,638	563,616	-0,425
2088	6,691	563,298	-0,461		6,000	563,759	6,000	563,759	-3,000	563,455	563,939	-0,484	6,000	563,759	6,000	563,759	-3,000	6,000	563,759	6,614	563,350	-0,409
2089	6,621	563,064	-0,414		6,000	563,478	6,000	563,478	-3,000	563,156	563,658	-0,502	6,000	563,478	6,000	563,478	-3,000	6,000	563,478	6,834	562,922	-0,556
2090	6,797	562,665	-0,531		6,000	563,196	6,000	563,196	-3,000	562,752	563,376	-0,624	6,000	563,196	6,000	563,196	-3,000	6,000	563,196	6,857	562,625	-0,571
2091	6,900	562,314	-0,600		6,000	562,914	6,000	562,914	-3,000	562,490	563,094	-0,604	6,000	562,914	6,000	562,914	-3,000	6,000	562,914	6,887	562,323	-0,591
2092	6,840	562,073	-0,560		6,000	562,633	6,000	562,633	-3,000	562,263	562,813	-0,550	6,000	562,633	6,000	562,633	-3,000	6,000	562,633	6,815	562,090	-0,543
2093	6,885	561,761	-0,590		6,000	562,351	6,000	562,351	-3,000	561,979	562,531	-0,552	6,000	562,351	6,000	562,351	-3,000	6,000	562,351	6,583	561,962	-0,389
2094	6,963	561,428	-0,642		6,000	562,070	6,000	562,070	-3,000	561,622	562,250	-0,628	6,000	562,070	6,000	562,070	-3,000	6,000	562,070	6,880	561,483	-0,587
2095	6,997	561,123	-0,665		6,000	561,788	6,000	561,788	-3,000	561,330	561,968	-0,638	6,000	561,788	6,000	561,788	-3,000	6,000	561,788	6,645	561,358	-0,430
2096	6,993	560,844	-0,662		6,000	561,506	6,000	561,506	-3,000	561,119	561,686	-0,567	6,000	561,506	6,000	561,506	-3,000	6,000	561,506	6,991	560,846	-0,660
2097	6,990	560,565	-0,660		6,000	561,225	6,000	561,225	-3,000	560,848	561,405	-0,557	6,000	561,225	6,000	561,225	-3,000	6,000	561,225	6,755	560,722	-0,503
2098	6,979	560,290	-0,653		6,000	560,943	6,000	560,943	-3,000	560,587	561,123	-0,536	6,000	560,943	6,000	560,943	-3,000	6,000	560,943	6,428	560,658	-0,285
2099	6,958	560,022	-0,639		6,000	560,661	6,000	560,661	-3,000	560,250	560,841	-0,591	6,000	560,661	6,000	560,661	-3,000	6,000	560,661	6,827	560,110	-0,551
2100	7,013	559,705	-0,675		6,000	560,380	6,000	560,380	-3,000	559,919	560,560	-0,641	6,000	560,380	6,000	560,380	-3,000	6,000	560,380	7,019	559,701	-0,679
2101	7,011	559,424	-0,674		6,000	560,098	6,000	560,098	-3,000	559,657	560,278	-0,621	6,000	560,098	6,000	560,098	-3,000	6,000	560,098	6,582	559,710	-0,388
2102	6,969	559,170	-0,646		6,000	559,816	6,000	559,816	-3,000	559,406	559,996	-0,590	6,000	559,816	6,000	559,816	-3,000	6,000	559,816	6,951	559,182	-0,634
2103	6,967	558,891	-0,644		6,000	559,535	6,000	559,535	-3,000	559,130	559,715	-0,585	6,000	559,535	6,000	559,535	-3,000	6,000	559,535	6,877	558,951	-0,584
2104	6,936	558,629	-0,624		6,000	559,253	6,000	559,253	-3,000	558,829	559,433	-0,604	6,000	559,253	6,000	559,253	-3,000	6,000	559,253	6,911	558,646	-0,607
2105	6,917	558,360	-0,611		6,000	558,971	6,000	558,971	-3,000	558,482	559,151	-0,669	6,000	558,971	6,000	558,971	-3,000	6,000	558,971	7,094	558,241	-0,730
2106	7,026	558,006	-0,684		6,000	558,690	6,000	558,690	-3,000	558,237	558,870	-0,633	6,000	558,690	6,000	558,690	-3,000	6,000	558,690	7,045	557,993	-0,697
2107	7,055	557,705	-0,703		6,000	558,408	6,000	558,408	-3,000	557,988	558,588	-0,600	6,000	558,408	6,000	558,408	-3,000	6,000	558,408	7,004	557,739	-0,669
2108	6,968	557,481	-0,645		6,000	558,126	6,000	558,126	-3,000	557,783	558,306	-0,523	6,000	558,126	6,000	558,126	-3,000	6,000	558,126	6,909	557,520	-0,606
2109	6,887	557,254	-0,591		6,000	557,845	6,000	557,845	-3,000	557,492	558,025	-0,533	6,000	557,845	6,000	557,845	-3,000	6,000	557,845	6,642	557,417	-0,428
2110	7,051	556,862	-0,701		6,000	557,563	6,000	557,563	-3,000	557,154	557,743	-0,589	6,000	557,563	6,000	557,563	-3,000	6,000	557,563	6,925	556,947	-0,616
2111	6,965	556,645	-0,644		6,000	557,289	6,000	557,289	-3,000	556,914	557,469	-0,555	6,000	557,289	6,000	557,289	-3,000	6,000	557,289	6,933	556,667	-0,622
2112	6,956	556,392	-0,637		6,000	557,029	6,000	557,029	-3,000	556,633	557,209	-0,576	6,000	557,029	6,000	557,029	-3,000	6,000	557,029	7,029	556,343	-0,686
2113	6,970	556,137	-0,647		6,000	556,784	6,000															

Nota de Serviço de Terraplenagem																												
		Lado Esquerdo										Eixo				Lado Direito												
		Banqueta			Bordo			%				Terreno		Cota		Vermelha		Distância		Bordo		Distância		Cota		Crista de Corte em Rocha		Offset
Estaca		Altura	Distância	Cota	Distância	Cota	Distância	Cota	%	Terreno	Cota	Projeto	Cota	Distância	%	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	Distância	Cota	Altura
2132		7,485	552,051	-0,990	6,000	553,041	6,000	553,041	-3,000	552,338	553,221	-0,883	6,000	553,041	-3,000	6,000	553,041	-3,000	7,473	552,059	-0,982							
2133		7,429	551,894	-0,953	6,000	552,847	6,000	552,847	-3,000	552,151	553,027	-0,876	6,000	552,847	-3,000	6,000	552,847	-3,000	7,474	551,864	-0,983							
2134		7,338	551,761	-0,892	6,000	552,653	6,000	552,653	-3,000	551,992	552,833	-0,841	6,000	552,653	-3,000	6,000	552,653	-3,000	7,425	551,703	-0,950							
2135		7,349	551,561	-0,899	6,000	552,460	6,000	552,460	-3,000	551,833	552,640	-0,807	6,000	552,460	-3,000	6,000	552,460	-3,000	7,355	551,557	-0,903							
2136		7,100	551,533	-0,733	6,000	552,266	6,000	552,266	-3,000	551,718	552,446	-0,728	6,000	552,266	-3,000	6,000	552,266	-3,000	6,189	552,140	-0,126							
2137		6,558	551,701	-0,372	6,000	552,073	6,000	552,073	-3,000	551,725	552,253	-0,528	6,000	552,073	-3,000	6,000	552,073	-3,000	7,182	551,285	-0,788							
2137+13,891		6,712	551,463	-0,475	6,000	551,938	6,000	551,938	-3,000	551,518	552,118	-0,600	6,000	551,938	-3,000	6,000	551,938	-3,000	6,520	551,592	-0,346							

6.0 – COORDENADAS DO EIXO LOCADO

Alinhamento: Linha Cabaçú
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)

ESTACA	NORTE	ESTE
0	8.482.207,9333	254.203,7617
1	8.482.207,5057	254.183,7663
2	8.482.207,0782	254.163,7708
3	8.482.206,6506	254.143,7754
4	8.482.206,2230	254.123,7800
5	8.482.205,7954	254.103,7845
6	8.482.205,3678	254.083,7891
7	8.482.204,9402	254.063,7937
8	8.482.204,5126	254.043,7983
9	8.482.204,0850	254.023,8028
10	8.482.203,6574	254.003,8074
11	8.482.203,2298	253.983,8120
12	8.482.202,8022	253.963,8165
13	8.482.202,3746	253.943,8211
14	8.482.201,9470	253.923,8257
15	8.482.201,5194	253.903,8303
16	8.482.201,0919	253.883,8348
17	8.482.200,6643	253.863,8394
18	8.482.200,2367	253.843,8440
19	8.482.199,8091	253.823,8485
20	8.482.199,3815	253.803,8531
21	8.482.198,9539	253.783,8577
22	8.482.198,5263	253.763,8623
23	8.482.198,0987	253.743,8668
24	8.482.197,6711	253.723,8714
25	8.482.197,2435	253.703,8760
26	8.482.196,8159	253.683,8805
27	8.482.196,3883	253.663,8851
28	8.482.195,9607	253.643,8897
29	8.482.195,5331	253.623,8943
30	8.482.195,1055	253.603,8988
31	8.482.194,6780	253.583,9034
32	8.482.194,2504	253.563,9080
33	8.482.193,8228	253.543,9125
34	8.482.193,3952	253.523,9171
35	8.482.192,9676	253.503,9217
36	8.482.192,5400	253.483,9263
37	8.482.192,1124	253.463,9308
38	8.482.191,6848	253.443,9354
39	8.482.191,2572	253.423,9400
40	8.482.190,8296	253.403,9445
41	8.482.190,4020	253.383,9491

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
42	8.482.189,9744	253.363,9537
43	8.482.189,5468	253.343,9583
44	8.482.189,1192	253.323,9628
45	8.482.188,6917	253.303,9674
46	8.482.188,2641	253.283,9720
47	8.482.187,8365	253.263,9765
48	8.482.187,4089	253.243,9811
49	8.482.186,9813	253.223,9857
50	8.482.186,5537	253.203,9903
51	8.482.186,1261	253.183,9948
52	8.482.185,6985	253.163,9994
53	8.482.185,2709	253.144,0040
54	8.482.184,8433	253.124,0085
55	8.482.184,4157	253.104,0131
56	8.482.183,9881	253.084,0177
57	8.482.183,5605	253.064,0223
58	8.482.183,1329	253.044,0268
59	8.482.182,7054	253.024,0314
60	8.482.182,2778	253.004,0360
61	8.482.181,8502	252.984,0405
62	8.482.181,4226	252.964,0451
63	8.482.180,9950	252.944,0497
64	8.482.180,5674	252.924,0543
65	8.482.180,1398	252.904,0588
66	8.482.179,7122	252.884,0634
67	8.482.179,2846	252.864,0680
68	8.482.178,8570	252.844,0725
69	8.482.178,4294	252.824,0771
70	8.482.178,0018	252.804,0817
70+10,722 TE1	8.482.177,7726	252.793,3620
71	8.482.177,5791	252.784,0862
72	8.482.177,2982	252.764,0883
73	8.482.177,4416	252.744,0895
74	8.482.178,2988	252.724,1095
75	8.482.180,1575	252.704,1988
76	8.482.183,2993	252.684,4515
76+10,722 EC1	8.482.185,6062	252.673,9813
77	8.482.187,9881	252.665,0151
78	8.482.194,3402	252.646,0573
79	8.482.202,3146	252.627,7227
80	8.482.211,8513	252.610,1500
81	8.482.222,8780	252.593,4719

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
82 PCV1	8.482.235,3115	252.577,8144
83	8.482.249,0579	252.563,2960
84	8.482.264,0132	252.550,0262
85	8.482.280,0644	252.538,1054
86	8.482.297,0903	252.527,6236
87	8.482.314,9621	252.518,6600
88	8.482.333,5449	252.511,2825
88+13,795 CE1	8.482.346,7036	252.507,1477
89	8.482.352,6978	252.505,5453
90	8.482.372,2564	252.501,3893
91	8.482.392,0538	252.498,5710
92	8.482.411,9747	252.496,8148
93	8.482.431,9499	252.495,8362
94 PTV1	8.482.451,9437	252.495,3470
94+13,795 ET1	8.482.465,7373	252.495,1436
95	8.482.471,9416	252.495,0592
96	8.482.491,9398	252.494,7872
97	8.482.511,9379	252.494,5152
98	8.482.531,9361	252.494,2432
99	8.482.551,9342	252.493,9713
100	8.482.571,9324	252.493,6993
101	8.482.591,9305	252.493,4273
102	8.482.611,9287	252.493,1553
103	8.482.631,9268	252.492,8833
104	8.482.651,9250	252.492,6113
105	8.482.671,9231	252.492,3393
106	8.482.691,9213	252.492,0673
107	8.482.711,9194	252.491,7954
108	8.482.731,9176	252.491,5234
109	8.482.751,9157	252.491,2514
110	8.482.771,9139	252.490,9794
111	8.482.791,9120	252.490,7074
112	8.482.811,9102	252.490,4354
113	8.482.831,9083	252.490,1634
114	8.482.851,9065	252.489,8914
115	8.482.871,9046	252.489,6195
116	8.482.891,9028	252.489,3475
117	8.482.911,9009	252.489,0755
118	8.482.931,8991	252.488,8035
119	8.482.951,8972	252.488,5315
120	8.482.971,8954	252.488,2595
121	8.482.991,8935	252.487,9875

Alinhamento: Linha Cabaçú
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)

ESTACA	NORTE	ESTE
122	8.483.011,8917	252.487,7156
123	8.483.031,8898	252.487,4436
124	8.483.051,8880	252.487,1716
125	8.483.071,8861	252.486,8996
126	8.483.091,8843	252.486,6276
127	8.483.111,8824	252.486,3556
128	8.483.131,8806	252.486,0836
129	8.483.151,8787	252.485,8116
130	8.483.171,8769	252.485,5397
131	8.483.191,8750	252.485,2677
132	8.483.211,8732	252.484,9957
133	8.483.231,8713	252.484,7237
134	8.483.251,8695	252.484,4517
135	8.483.271,8676	252.484,1797
136	8.483.291,8658	252.483,9077
137	8.483.311,8639	252.483,6357
138	8.483.331,8621	252.483,3638
139	8.483.351,8602	252.483,0918
140	8.483.371,8584	252.482,8198
141	8.483.391,8565	252.482,5478
142	8.483.411,8547	252.482,2758
143	8.483.431,8528	252.482,0038
144	8.483.451,8510	252.481,7318
145	8.483.471,8491	252.481,4598
146	8.483.491,8473	252.481,1879
147	8.483.511,8454	252.480,9159
148	8.483.531,8436	252.480,6439
149	8.483.551,8417	252.480,3719
150	8.483.571,8399	252.480,0999
151	8.483.591,8380	252.479,8279
152	8.483.611,8362	252.479,5559
153	8.483.631,8343	252.479,2839
154	8.483.651,8325	252.479,0120
155	8.483.671,8306	252.478,7400
156	8.483.691,8288	252.478,4680
157	8.483.711,8269	252.478,1960
158	8.483.731,8251	252.477,9240
159	8.483.751,8232	252.477,6520
160	8.483.771,8214	252.477,3800
161	8.483.791,8195	252.477,1080
162	8.483.811,8177	252.476,8361
163	8.483.831,8158	252.476,5641

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
164	8.483.851,8140	252.476,2921
164+8,817 PI2	8.483.860,6300	252.476,1722
165	8.483.871,8115	252.475,9739
166	8.483.891,8083	252.475,6193
167	8.483.911,8052	252.475,2647
168	8.483.931,8020	252.474,9100
169	8.483.951,7989	252.474,5554
170	8.483.971,7958	252.474,2008
171	8.483.991,7926	252.473,8462
172	8.484.011,7895	252.473,4916
173	8.484.031,7863	252.473,1369
174	8.484.051,7832	252.472,7823
175	8.484.071,7800	252.472,4277
176	8.484.091,7769	252.472,0731
177	8.484.111,7738	252.471,7185
178	8.484.131,7706	252.471,3639
179	8.484.151,7675	252.471,0092
180	8.484.171,7643	252.470,6546
181	8.484.191,7612	252.470,3000
182	8.484.211,7580	252.469,9454
183	8.484.231,7549	252.469,5908
184	8.484.251,7517	252.469,2361
185	8.484.271,7486	252.468,8815
186	8.484.291,7455	252.468,5269
187	8.484.311,7423	252.468,1723
188	8.484.331,7392	252.467,8177
189	8.484.351,7360	252.467,4631
190	8.484.371,7329	252.467,1084
191	8.484.391,7297	252.466,7538
192	8.484.411,7266	252.466,3992
193	8.484.431,7234	252.466,0446
194	8.484.451,7203	252.465,6900
195	8.484.471,7172	252.465,3353
196	8.484.491,7140	252.464,9807
197	8.484.511,7109	252.464,6261
198	8.484.531,7077	252.464,2715
199	8.484.551,7046	252.463,9169
200	8.484.571,7014	252.463,5623
201 PCV2	8.484.591,6983	252.463,2076
202	8.484.611,6952	252.462,8530
203	8.484.631,6920	252.462,4984
204	8.484.651,6889	252.462,1438

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
205	8.484.671,6857	252.461,7892
206	8.484.691,6826	252.461,4345
207	8.484.711,6794	252.461,0799
208	8.484.731,6763	252.460,7253
209	8.484.751,6731	252.460,3707
210	8.484.771,6700	252.460,0161
211	8.484.791,6669	252.459,6615
212	8.484.811,6637	252.459,3068
213	8.484.831,6606	252.458,9522
214	8.484.851,6574	252.458,5976
215	8.484.871,6543	252.458,2430
216	8.484.891,6511	252.457,8884
217	8.484.911,6480	252.457,5337
218	8.484.931,6448	252.457,1791
219	8.484.951,6417	252.456,8245
220	8.484.971,6386	252.456,4699
221	8.484.991,6354	252.456,1153
222	8.485.011,6323	252.455,7607
223	8.485.031,6291	252.455,4060
224	8.485.051,6260	252.455,0514
225 PTV2	8.485.071,6228	252.454,6968
226	8.485.091,6197	252.454,3422
227	8.485.111,6165	252.453,9876
228	8.485.131,6134	252.453,6329
229	8.485.151,6103	252.453,2783
230	8.485.171,6071	252.452,9237
231	8.485.191,6040	252.452,5691
232	8.485.211,6008	252.452,2145
233	8.485.231,5977	252.451,8599
234	8.485.251,5945	252.451,5052
235	8.485.271,5914	252.451,1506
236	8.485.291,5883	252.450,7960
237	8.485.311,5851	252.450,4414
238	8.485.331,5820	252.450,0868
239	8.485.351,5788	252.449,7322
240	8.485.371,5757	252.449,3775
241	8.485.391,5725	252.449,0229
242	8.485.411,5694	252.448,6683
243	8.485.431,5662	252.448,3137
244	8.485.451,5631	252.447,9591
245	8.485.471,5600	252.447,6044
246	8.485.491,5568	252.447,2498

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
247	8.485.511,5537	252.446,8952
248	8.485.531,5505	252.446,5406
249	8.485.551,5474	252.446,1860
250	8.485.571,5442	252.445,8314
251	8.485.591,5411	252.445,4767
252	8.485.611,5379	252.445,1221
253	8.485.631,5348	252.444,7675
254	8.485.651,5317	252.444,4129
255	8.485.671,5285	252.444,0583
256	8.485.691,5254	252.443,7036
257	8.485.711,5222	252.443,3490
258	8.485.731,5191	252.442,9944
259	8.485.751,5159	252.442,6398
260	8.485.771,5128	252.442,2852
261	8.485.791,5096	252.441,9306
262	8.485.811,5065	252.441,5759
263	8.485.831,5034	252.441,2213
264	8.485.851,5002	252.440,8667
265	8.485.871,4971	252.440,5121
266	8.485.891,4939	252.440,1575
267	8.485.911,4908	252.439,8028
268 PCV3	8.485.931,4876	252.439,4482
269	8.485.951,4845	252.439,0936
270	8.485.971,4814	252.438,7390
271	8.485.991,4782	252.438,3844
272	8.486.011,4751	252.438,0298
273	8.486.031,4719	252.437,6751
274	8.486.051,4688	252.437,3205
275	8.486.071,4656	252.436,9659
276	8.486.091,4625	252.436,6113
277	8.486.111,4593	252.436,2567
278	8.486.131,4562	252.435,9020
279	8.486.151,4531	252.435,5474
280	8.486.171,4499	252.435,1928
281	8.486.191,4468	252.434,8382
282	8.486.211,4436	252.434,4836
283	8.486.231,4405	252.434,1290
284	8.486.251,4373	252.433,7743
285	8.486.271,4342	252.433,4197
286	8.486.291,4310	252.433,0651
287	8.486.311,4279	252.432,7105
288	8.486.331,4248	252.432,3559

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
289	8.486.351,4216	252.432,0012
290	8.486.371,4185	252.431,6466
291	8.486.391,4153	252.431,2920
292	8.486.411,4122	252.430,9374
293	8.486.431,4090	252.430,5828
294 PTV3	8.486.451,4059	252.430,2282
295	8.486.471,4027	252.429,8735
296	8.486.491,3996	252.429,5189
297	8.486.511,3965	252.429,1643
298	8.486.531,3933	252.428,8097
299	8.486.551,3902	252.428,4551
300	8.486.571,3870	252.428,1004
301	8.486.591,3839	252.427,7458
302	8.486.611,3807	252.427,3912
303	8.486.631,3776	252.427,0366
304	8.486.651,3745	252.426,6820
305	8.486.671,3713	252.426,3274
306	8.486.691,3682	252.425,9727
307	8.486.711,3650	252.425,6181
308	8.486.731,3619	252.425,2635
309	8.486.751,3587	252.424,9089
310	8.486.771,3556	252.424,5543
311	8.486.791,3524	252.424,1996
312	8.486.811,3493	252.423,8450
313	8.486.831,3462	252.423,4904
314	8.486.851,3430	252.423,1358
315	8.486.871,3399	252.422,7812
316	8.486.891,3367	252.422,4266
317	8.486.911,3336	252.422,0719
318	8.486.931,3304	252.421,7173
319	8.486.951,3273	252.421,3627
320	8.486.971,3241	252.421,0081
321	8.486.991,3210	252.420,6535
322	8.487.011,3179	252.420,2988
323	8.487.031,3147	252.419,9442
324	8.487.051,3116	252.419,5896
325	8.487.071,3084	252.419,2350
326	8.487.091,3053	252.418,8804
327	8.487.111,3021	252.418,5258
328	8.487.131,2990	252.418,1711
329	8.487.151,2958	252.417,8165
330	8.487.171,2927	252.417,4619

Alinhamento: Linha Cabaçu		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
331	8.487.191,2896	252.417,1073
332	8.487.211,2864	252.416,7527
333 PCV4	8.487.231,2833	252.416,3980
334	8.487.251,2801	252.416,0434
335	8.487.271,2770	252.415,6888
336	8.487.291,2738	252.415,3342
337	8.487.311,2707	252.414,9796
338	8.487.331,2676	252.414,6250
339	8.487.351,2644	252.414,2703
340	8.487.371,2613	252.413,9157
341	8.487.391,2581	252.413,5611
342	8.487.411,2550	252.413,2065
343	8.487.431,2518	252.412,8519
344	8.487.451,2487	252.412,4972
345	8.487.471,2455	252.412,1426
346	8.487.491,2424	252.411,7880
347	8.487.511,2393	252.411,4334
348	8.487.531,2361	252.411,0788
349	8.487.551,2330	252.410,7242
350	8.487.571,2298	252.410,3695
351	8.487.591,2267	252.410,0149
352	8.487.611,2235	252.409,6603
353	8.487.631,2204	252.409,3057
354	8.487.651,2172	252.408,9511
355	8.487.671,2141	252.408,5964
356	8.487.691,2110	252.408,2418
357 PTV4	8.487.711,2078	252.407,8872
358	8.487.731,2047	252.407,5326
359	8.487.751,2015	252.407,1780
360	8.487.771,1984	252.406,8234
361	8.487.791,1952	252.406,4687
362	8.487.811,1921	252.406,1141
363	8.487.831,1890	252.405,7595
364	8.487.851,1858	252.405,4049
365	8.487.871,1827	252.405,0503
366	8.487.891,1795	252.404,6956
367	8.487.911,1764	252.404,3410
368	8.487.931,1732	252.403,9864
369	8.487.951,1701	252.403,6318
370	8.487.971,1669	252.403,2772
371	8.487.991,1638	252.402,9226
372	8.488.011,1607	252.402,5679

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
373 PCV5	8.488.031,1575	252.402,2133
374	8.488.051,1544	252.401,8587
375	8.488.071,1512	252.401,5041
376	8.488.091,1481	252.401,1495
377	8.488.111,1449	252.400,7948
378	8.488.131,1418	252.400,4402
379	8.488.151,1386	252.400,0856
380	8.488.171,1355	252.399,7310
381	8.488.191,1324	252.399,3764
382	8.488.211,1292	252.399,0218
383	8.488.231,1261	252.398,6671
384	8.488.251,1229	252.398,3125
385	8.488.271,1198	252.397,9579
386	8.488.291,1166	252.397,6033
387	8.488.311,1135	252.397,2487
388	8.488.331,1103	252.396,8940
389 PTV5	8.488.351,1072	252.396,5394
390	8.488.371,1041	252.396,1848
391	8.488.391,1009	252.395,8302
392	8.488.411,0978	252.395,4756
393	8.488.431,0946	252.395,1210
394	8.488.451,0915	252.394,7663
395	8.488.471,0883	252.394,4117
396	8.488.491,0852	252.394,0571
397	8.488.511,0821	252.393,7025
398	8.488.531,0789	252.393,3479
399	8.488.551,0758	252.392,9932
400	8.488.571,0726	252.392,6386
401	8.488.591,0695	252.392,2840
402	8.488.611,0663	252.391,9294
403	8.488.631,0632	252.391,5748
404	8.488.651,0600	252.391,2202
405	8.488.671,0569	252.390,8655
406	8.488.691,0538	252.390,5109
407	8.488.711,0506	252.390,1563
408	8.488.731,0475	252.389,8017
409	8.488.751,0443	252.389,4471
410	8.488.771,0412	252.389,0925
411	8.488.791,0380	252.388,7378
412	8.488.811,0349	252.388,3832
413	8.488.831,0317	252.388,0286
414	8.488.851,0286	252.387,6740

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
415	8.488.871,0255	252.387,3194
416	8.488.891,0223	252.386,9647
417	8.488.911,0192	252.386,6101
418	8.488.931,0160	252.386,2555
419	8.488.951,0129	252.385,9009
420	8.488.971,0097	252.385,5463
421	8.488.991,0066	252.385,1917
422	8.489.011,0034	252.384,8370
423	8.489.031,0003	252.384,4824
424	8.489.050,9972	252.384,1278
425	8.489.070,9940	252.383,7732
426	8.489.090,9909	252.383,4186
427	8.489.110,9877	252.383,0639
428	8.489.130,9846	252.382,7093
429	8.489.150,9814	252.382,3547
430	8.489.170,9783	252.382,0001
431	8.489.190,9752	252.381,6455
432	8.489.210,9720	252.381,2909
433	8.489.230,9689	252.380,9362
434	8.489.250,9657	252.380,5816
435	8.489.270,9626	252.380,2270
436	8.489.290,9594	252.379,8724
437	8.489.310,9563	252.379,5178
438	8.489.330,9531	252.379,1631
439	8.489.350,9500	252.378,8085
440	8.489.370,9469	252.378,4539
441	8.489.390,9437	252.378,0993
442 PCV6	8.489.410,9406	252.377,7447
443	8.489.430,9374	252.377,3901
444	8.489.450,9343	252.377,0354
445	8.489.470,9311	252.376,6808
446	8.489.490,9280	252.376,3262
447	8.489.510,9248	252.375,9716
448	8.489.530,9217	252.375,6170
449	8.489.550,9186	252.375,2623
450 PTV6	8.489.570,9154	252.374,9077
451	8.489.590,9123	252.374,5531
452	8.489.610,9091	252.374,1985
453	8.489.630,9060	252.373,8439
454	8.489.650,9028	252.373,4893
455	8.489.670,8997	252.373,1346
456	8.489.690,8965	252.372,7800

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
457	8.489.710,8934	252.372,4254
458	8.489.730,8903	252.372,0708
459	8.489.750,8871	252.371,7162
460	8.489.770,8840	252.371,3615
461	8.489.790,8808	252.371,0069
462	8.489.810,8777	252.370,6523
463	8.489.830,8745	252.370,2977
464	8.489.850,8714	252.369,9431
465	8.489.870,8683	252.369,5885
466	8.489.890,8651	252.369,2338
467	8.489.910,8620	252.368,8792
468	8.489.930,8588	252.368,5246
469	8.489.950,8557	252.368,1700
470	8.489.970,8525	252.367,8154
471	8.489.990,8494	252.367,4607
472	8.490.010,8462	252.367,1061
473	8.490.030,8431	252.366,7515
474	8.490.050,8400	252.366,3969
475	8.490.070,8368	252.366,0423
476	8.490.090,8337	252.365,6877
477	8.490.110,8305	252.365,3330
478	8.490.130,8274	252.364,9784
479	8.490.150,8242	252.364,6238
480	8.490.170,8211	252.364,2692
481	8.490.190,8179	252.363,9146
482	8.490.210,8148	252.363,5599
483	8.490.230,8117	252.363,2053
484	8.490.250,8085	252.362,8507
485	8.490.270,8054	252.362,4961
486	8.490.290,8022	252.362,1415
487	8.490.310,7991	252.361,7869
488	8.490.330,7959	252.361,4322
489	8.490.350,7928	252.361,0776
490	8.490.370,7897	252.360,7230
491	8.490.390,7865	252.360,3684
492	8.490.410,7834	252.360,0138
493	8.490.430,7802	252.359,6591
494	8.490.450,7771	252.359,3045
495	8.490.470,7739	252.358,9499
496	8.490.490,7708	252.358,5953
497 PCV7	8.490.510,7676	252.358,2407
498	8.490.530,7645	252.357,8861

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
499	8.490.550,7614	252.357,5314
500	8.490.570,7582	252.357,1768
501 PTV7	8.490.590,7551	252.356,8222
502	8.490.610,7519	252.356,4676
503	8.490.630,7488	252.356,1130
504	8.490.650,7456	252.355,7583
505	8.490.670,7425	252.355,4037
506	8.490.690,7393	252.355,0491
507	8.490.710,7362	252.354,6945
508	8.490.730,7331	252.354,3399
509	8.490.750,7299	252.353,9853
510	8.490.770,7268	252.353,6306
511	8.490.790,7236	252.353,2760
512	8.490.810,7205	252.352,9214
513	8.490.830,7173	252.352,5668
514	8.490.850,7142	252.352,2122
515	8.490.870,7110	252.351,8575
516	8.490.890,7079	252.351,5029
517	8.490.910,7048	252.351,1483
518	8.490.930,7016	252.350,7937
519	8.490.950,6985	252.350,4391
520	8.490.970,6953	252.350,0845
521	8.490.990,6922	252.349,7298
522	8.491.010,6890	252.349,3752
523	8.491.030,6859	252.349,0206
524	8.491.050,6828	252.348,6660
525	8.491.070,6796	252.348,3114
526	8.491.090,6765	252.347,9567
527	8.491.110,6733	252.347,6021
528	8.491.130,6702	252.347,2475
529	8.491.150,6670	252.346,8929
530	8.491.170,6639	252.346,5383
531	8.491.190,6607	252.346,1837
532	8.491.210,6576	252.345,8290
533	8.491.230,6545	252.345,4744
534	8.491.250,6513	252.345,1198
535	8.491.270,6482	252.344,7652
536	8.491.290,6450	252.344,4106
537	8.491.310,6419	252.344,0559
538	8.491.330,6387	252.343,7013
539	8.491.350,6356	252.343,3467
540	8.491.370,6324	252.342,9921

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
541	8.491.390,6293	252.342,6375
542	8.491.410,6262	252.342,2829
543 PCV8	8.491.430,6230	252.341,9282
544	8.491.450,6199	252.341,5736
545	8.491.470,6167	252.341,2190
546	8.491.490,6136	252.340,8644
547	8.491.510,6104	252.340,5098
548	8.491.530,6073	252.340,1551
549	8.491.550,6041	252.339,8005
550	8.491.570,6010	252.339,4459
551	8.491.590,5979	252.339,0913
552	8.491.610,5947	252.338,7367
553	8.491.630,5916	252.338,3821
554	8.491.650,5884	252.338,0274
555	8.491.670,5853	252.337,6728
556	8.491.690,5821	252.337,3182
557	8.491.710,5790	252.336,9636
558	8.491.730,5759	252.336,6090
559	8.491.750,5727	252.336,2543
560	8.491.770,5696	252.335,8997
561	8.491.790,5664	252.335,5451
562	8.491.810,5633	252.335,1905
563	8.491.830,5601	252.334,8359
564	8.491.850,5570	252.334,4813
565	8.491.870,5538	252.334,1266
566	8.491.890,5507	252.333,7720
567	8.491.910,5476	252.333,4174
568	8.491.930,5444	252.333,0628
569	8.491.950,5413	252.332,7082
570	8.491.970,5381	252.332,3535
571	8.491.990,5350	252.331,9989
572	8.492.010,5318	252.331,6443
573 PTV8	8.492.030,5287	252.331,2897
574	8.492.050,5255	252.330,9351
575	8.492.070,5224	252.330,5805
576	8.492.090,5193	252.330,2258
577	8.492.110,5161	252.329,8712
578	8.492.130,5130	252.329,5166
579	8.492.150,5098	252.329,1620
580	8.492.170,5067	252.328,8074
581	8.492.190,5035	252.328,4527
582	8.492.210,5004	252.328,0981

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
583	8.492.230,4972	252.327,7435
584	8.492.250,4941	252.327,3889
585	8.492.270,4910	252.327,0343
586	8.492.290,4878	252.326,6797
587	8.492.310,4847	252.326,3250
588	8.492.330,4815	252.325,9704
589	8.492.350,4784	252.325,6158
590 PCV9	8.492.370,4752	252.325,2612
591	8.492.390,4721	252.324,9066
592	8.492.410,4690	252.324,5520
593	8.492.430,4658	252.324,1973
594	8.492.450,4627	252.323,8427
595	8.492.470,4595	252.323,4881
596	8.492.490,4564	252.323,1335
597	8.492.510,4532	252.322,7789
598	8.492.530,4501	252.322,4242
599	8.492.550,4469	252.322,0696
600	8.492.570,4438	252.321,7150
601	8.492.590,4407	252.321,3604
602	8.492.610,4375	252.321,0058
603	8.492.630,4344	252.320,6512
604	8.492.650,4312	252.320,2965
605	8.492.670,4281	252.319,9419
606	8.492.690,4249	252.319,5873
607	8.492.710,4218	252.319,2327
608	8.492.730,4186	252.318,8781
609	8.492.750,4155	252.318,5234
610 PTV9	8.492.770,4124	252.318,1688
611	8.492.790,4092	252.317,8142
612	8.492.810,4061	252.317,4596
613	8.492.830,4029	252.317,1050
614	8.492.850,3998	252.316,7504
615	8.492.870,3966	252.316,3957
616	8.492.890,3935	252.316,0411
617	8.492.910,3903	252.315,6865
618	8.492.930,3872	252.315,3319
619	8.492.950,3841	252.314,9773
620	8.492.970,3809	252.314,6226
621	8.492.990,3778	252.314,2680
622	8.493.010,3746	252.313,9134
623	8.493.030,3715	252.313,5588
624	8.493.050,3683	252.313,2042

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
625	8.493.070,3652	252.312,8496
626	8.493.090,3621	252.312,4949
627	8.493.110,3589	252.312,1403
628	8.493.130,3558	252.311,7857
629	8.493.150,3526	252.311,4311
630	8.493.170,3495	252.311,0765
631	8.493.190,3463	252.310,7218
632	8.493.210,3432	252.310,3672
633	8.493.230,3400	252.310,0126
634	8.493.250,3369	252.309,6580
635	8.493.270,3338	252.309,3034
636	8.493.290,3306	252.308,9488
637	8.493.310,3275	252.308,5941
638 PCV10	8.493.330,3243	252.308,2395
639	8.493.350,3212	252.307,8849
640	8.493.370,3180	252.307,5303
641	8.493.390,3149	252.307,1757
642	8.493.410,3117	252.306,8210
643	8.493.430,3086	252.306,4664
644	8.493.450,3055	252.306,1118
645	8.493.470,3023	252.305,7572
646	8.493.490,2992	252.305,4026
647	8.493.510,2960	252.305,0480
648 PTV10	8.493.530,2929	252.304,6933
649	8.493.550,2897	252.304,3387
650	8.493.570,2866	252.303,9841
651	8.493.590,2835	252.303,6295
652	8.493.610,2803	252.303,2749
653	8.493.630,2772	252.302,9202
654	8.493.650,2740	252.302,5656
655	8.493.670,2709	252.302,2110
656	8.493.690,2677	252.301,8564
657	8.493.710,2646	252.301,5018
658	8.493.730,2614	252.301,1472
659	8.493.750,2583	252.300,7925
660	8.493.770,2552	252.300,4379
661	8.493.790,2520	252.300,0833
662	8.493.810,2489	252.299,7287
663	8.493.830,2457	252.299,3741
664	8.493.850,2426	252.299,0194
665	8.493.870,2394	252.298,6648
666	8.493.890,2363	252.298,3102

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
667	8.493.910,2331	252.297,9556
668 PCV11	8.493.930,2300	252.297,6010
669	8.493.950,2269	252.297,2464
670	8.493.970,2237	252.296,8917
671	8.493.990,2206	252.296,5371
672	8.494.010,2174	252.296,1825
673	8.494.030,2143	252.295,8279
674	8.494.050,2111	252.295,4733
675	8.494.070,2080	252.295,1186
676 PTV11	8.494.090,2048	252.294,7640
677	8.494.110,2017	252.294,4094
678	8.494.130,1986	252.294,0548
679	8.494.150,1954	252.293,7002
680	8.494.170,1923	252.293,3456
681	8.494.190,1891	252.292,9909
682	8.494.210,1860	252.292,6363
683	8.494.230,1828	252.292,2817
684	8.494.250,1797	252.291,9271
685	8.494.270,1766	252.291,5725
686	8.494.290,1734	252.291,2178
687	8.494.310,1703	252.290,8632
688	8.494.330,1671	252.290,5086
689	8.494.350,1640	252.290,1540
690	8.494.370,1608	252.289,7994
691	8.494.390,1577	252.289,4448
692	8.494.410,1545	252.289,0901
693	8.494.430,1514	252.288,7355
694	8.494.450,1483	252.288,3809
695	8.494.470,1451	252.288,0263
696	8.494.490,1420	252.287,6717
697	8.494.510,1388	252.287,3170
698	8.494.530,1357	252.286,9624
699	8.494.550,1325	252.286,6078
700	8.494.570,1294	252.286,2532
701	8.494.590,1262	252.285,8986
702	8.494.610,1231	252.285,5440
703	8.494.630,1200	252.285,1893
704	8.494.650,1168	252.284,8347
705 PCV12	8.494.670,1137	252.284,4801
706	8.494.690,1105	252.284,1255
707	8.494.710,1074	252.283,7709
708	8.494.730,1042	252.283,4162

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
709	8.494.750,1011	252.283,0616
710	8.494.770,0979	252.282,7070
711 PTV12	8.494.790,0948	252.282,3524
712	8.494.810,0917	252.281,9978
713	8.494.830,0885	252.281,6432
714	8.494.850,0854	252.281,2885
715	8.494.870,0822	252.280,9339
716	8.494.890,0791	252.280,5793
717	8.494.910,0759	252.280,2247
718	8.494.930,0728	252.279,8701
719	8.494.950,0697	252.279,5154
720	8.494.970,0665	252.279,1608
721	8.494.990,0634	252.278,8062
722	8.495.010,0602	252.278,4516
723	8.495.030,0571	252.278,0970
724	8.495.050,0539	252.277,7424
725	8.495.070,0508	252.277,3877
726	8.495.090,0476	252.277,0331
727	8.495.110,0445	252.276,6785
728	8.495.130,0414	252.276,3239
729	8.495.150,0382	252.275,9693
730	8.495.170,0351	252.275,6146
731	8.495.190,0319	252.275,2600
732 PCV13	8.495.210,0288	252.274,9054
733	8.495.230,0256	252.274,5508
734	8.495.250,0225	252.274,1962
735	8.495.270,0193	252.273,8416
736	8.495.290,0162	252.273,4869
737	8.495.310,0131	252.273,1323
738	8.495.330,0099	252.272,7777
739	8.495.350,0068	252.272,4231
740	8.495.370,0036	252.272,0685
741	8.495.390,0005	252.271,7138
742	8.495.409,9973	252.271,3592
743	8.495.429,9942	252.271,0046
744	8.495.449,9910	252.270,6500
745	8.495.469,9879	252.270,2954
746	8.495.489,9848	252.269,9408
747	8.495.509,9816	252.269,5861
748	8.495.529,9785	252.269,2315
749	8.495.549,9753	252.268,8769
750	8.495.569,9722	252.268,5223

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
751	8.495.589,9690	252.268,1677
752	8.495.609,9659	252.267,8130
753	8.495.629,9628	252.267,4584
754	8.495.649,9596	252.267,1038
755	8.495.669,9565	252.266,7492
756	8.495.689,9533	252.266,3946
757	8.495.709,9502	252.266,0400
758	8.495.729,9470	252.265,6853
759	8.495.749,9439	252.265,3307
760	8.495.769,9407	252.264,9761
761	8.495.789,9376	252.264,6215
762	8.495.809,9345	252.264,2669
763	8.495.829,9313	252.263,9123
764	8.495.849,9282	252.263,5576
765	8.495.869,9250	252.263,2030
766	8.495.889,9219	252.262,8484
767	8.495.909,9187	252.262,4938
768	8.495.929,9156	252.262,1392
769	8.495.949,9124	252.261,7845
770	8.495.969,9093	252.261,4299
771	8.495.989,9062	252.261,0753
772	8.496.009,9030	252.260,7207
773	8.496.029,8999	252.260,3661
774	8.496.049,8967	252.260,0115
775	8.496.069,8936	252.259,6568
776	8.496.089,8904	252.259,3022
777	8.496.109,8873	252.258,9476
778 PTV13	8.496.129,8841	252.258,5930
779	8.496.149,8810	252.258,2384
780	8.496.169,8779	252.257,8837
781	8.496.189,8747	252.257,5291
782	8.496.209,8716	252.257,1745
783	8.496.229,8684	252.256,8199
784	8.496.249,8653	252.256,4653
785	8.496.269,8621	252.256,1107
786	8.496.289,8590	252.255,7560
787	8.496.309,8559	252.255,4014
788	8.496.329,8527	252.255,0468
789	8.496.349,8496	252.254,6922
790	8.496.369,8464	252.254,3376
791	8.496.389,8433	252.253,9829
792	8.496.409,8401	252.253,6283

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
793	8.496.429,8370	252.253,2737
794	8.496.449,8338	252.252,9191
795	8.496.469,8307	252.252,5645
796	8.496.489,8276	252.252,2099
797	8.496.509,8244	252.251,8552
798	8.496.529,8213	252.251,5006
799	8.496.549,8181	252.251,1460
800	8.496.569,8150	252.250,7914
801	8.496.589,8118	252.250,4368
802	8.496.609,8087	252.250,0821
803	8.496.629,8055	252.249,7275
804	8.496.649,8024	252.249,3729
805	8.496.669,7993	252.249,0183
806	8.496.689,7961	252.248,6637
807	8.496.709,7930	252.248,3091
808	8.496.729,7898	252.247,9544
809	8.496.749,7867	252.247,5998
810	8.496.769,7835	252.247,2452
811	8.496.789,7804	252.246,8906
812	8.496.809,7773	252.246,5360
813	8.496.829,7741	252.246,1813
814	8.496.849,7710	252.245,8267
815	8.496.869,7678	252.245,4721
816	8.496.889,7647	252.245,1175
817	8.496.909,7615	252.244,7629
818	8.496.929,7584	252.244,4083
819	8.496.949,7552	252.244,0536
820	8.496.969,7521	252.243,6990
821	8.496.989,7490	252.243,3444
822	8.497.009,7458	252.242,9898
823	8.497.029,7427	252.242,6352
824	8.497.049,7395	252.242,2805
825	8.497.069,7364	252.241,9259
826	8.497.089,7332	252.241,5713
827	8.497.109,7301	252.241,2167
828	8.497.129,7269	252.240,8621
829	8.497.149,7238	252.240,5075
830	8.497.169,7207	252.240,1528
831	8.497.189,7175	252.239,7982
832	8.497.209,7144	252.239,4436
833	8.497.229,7112	252.239,0890
834	8.497.249,7081	252.238,7344

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
835	8.497.269,7049	252.238,3797
836	8.497.289,7018	252.238,0251
837	8.497.309,6986	252.237,6705
838	8.497.329,6955	252.237,3159
839	8.497.349,6924	252.236,9613
840	8.497.369,6892	252.236,6067
841	8.497.389,6861	252.236,2520
842	8.497.409,6829	252.235,8974
843	8.497.429,6798	252.235,5428
844	8.497.449,6766	252.235,1882
845 PCV14	8.497.469,6735	252.234,8336
846	8.497.489,6704	252.234,4789
847	8.497.509,6672	252.234,1243
848	8.497.529,6641	252.233,7697
849	8.497.549,6609	252.233,4151
850	8.497.569,6578	252.233,0605
850+18,130 PI3	8.497.587,7850	252.232,7390
851 PTV14	8.497.589,6547	252.232,7101
852	8.497.609,6523	252.232,4007
853	8.497.629,6499	252.232,0912
854	8.497.649,6475	252.231,7818
855	8.497.669,6451	252.231,4724
856	8.497.689,6427	252.231,1629
857	8.497.709,6403	252.230,8535
858	8.497.729,6379	252.230,5441
859	8.497.749,6355	252.230,2347
860	8.497.769,6332	252.229,9252
861	8.497.789,6308	252.229,6158
862	8.497.809,6284	252.229,3064
863	8.497.829,6260	252.228,9970
864	8.497.849,6236	252.228,6875
865	8.497.869,6212	252.228,3781
866	8.497.889,6188	252.228,0687
867	8.497.909,6164	252.227,7593
868	8.497.929,6140	252.227,4498
869	8.497.949,6116	252.227,1404
870	8.497.969,6092	252.226,8310
871	8.497.989,6068	252.226,5216
872	8.498.009,6044	252.226,2121
873	8.498.029,6020	252.225,9027
874	8.498.049,5996	252.225,5933
875	8.498.069,5972	252.225,2838

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
876	8.498.089,5949	252.224,9744
877	8.498.109,5925	252.224,6650
878	8.498.129,5901	252.224,3556
879	8.498.149,5877	252.224,0461
880	8.498.169,5853	252.223,7367
881	8.498.189,5829	252.223,4273
882	8.498.209,5805	252.223,1179
883	8.498.229,5781	252.222,8084
884	8.498.249,5757	252.222,4990
885	8.498.269,5733	252.222,1896
886	8.498.289,5709	252.221,8802
887	8.498.309,5685	252.221,5707
888	8.498.329,5661	252.221,2613
889	8.498.349,5637	252.220,9519
890	8.498.369,5613	252.220,6425
891	8.498.389,5589	252.220,3330
892	8.498.409,5566	252.220,0236
893	8.498.429,5542	252.219,7142
894	8.498.449,5518	252.219,4047
895	8.498.469,5494	252.219,0953
896	8.498.489,5470	252.218,7859
897	8.498.509,5446	252.218,4765
898	8.498.529,5422	252.218,1670
899	8.498.549,5398	252.217,8576
900	8.498.569,5374	252.217,5482
901	8.498.589,5350	252.217,2388
902	8.498.609,5326	252.216,9293
903	8.498.629,5302	252.216,6199
904	8.498.649,5278	252.216,3105
905	8.498.669,5254	252.216,0011
906	8.498.689,5230	252.215,6916
907	8.498.709,5206	252.215,3822
908	8.498.729,5183	252.215,0728
909	8.498.749,5159	252.214,7634
910	8.498.769,5135	252.214,4539
911	8.498.789,5111	252.214,1445
912	8.498.809,5087	252.213,8351
913	8.498.829,5063	252.213,5256
914	8.498.849,5039	252.213,2162
915	8.498.869,5015	252.212,9068
916	8.498.889,4991	252.212,5974
917	8.498.909,4967	252.212,2879

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
918	8.498.929,4943	252.211,9785
919	8.498.949,4919	252.211,6691
920	8.498.969,4895	252.211,3597
921	8.498.989,4871	252.211,0502
922	8.499.009,4847	252.210,7408
923 PCV15	8.499.029,4823	252.210,4314
924	8.499.049,4800	252.210,1220
925	8.499.069,4776	252.209,8125
926	8.499.089,4752	252.209,5031
927 PTV15	8.499.109,4728	252.209,1937
928	8.499.129,4704	252.208,8842
929	8.499.149,4680	252.208,5748
930	8.499.169,4656	252.208,2654
931	8.499.189,4632	252.207,9560
932	8.499.209,4608	252.207,6465
933	8.499.229,4584	252.207,3371
934	8.499.249,4560	252.207,0277
935	8.499.269,4536	252.206,7183
936	8.499.289,4512	252.206,4088
937	8.499.309,4488	252.206,0994
938	8.499.329,4464	252.205,7900
939	8.499.349,4440	252.205,4806
940	8.499.369,4417	252.205,1711
941	8.499.389,4393	252.204,8617
942	8.499.409,4369	252.204,5523
943	8.499.429,4345	252.204,2429
944	8.499.449,4321	252.203,9334
945	8.499.469,4297	252.203,6240
946	8.499.489,4273	252.203,3146
947	8.499.509,4249	252.203,0051
948	8.499.529,4225	252.202,6957
949	8.499.549,4201	252.202,3863
950	8.499.569,4177	252.202,0769
951	8.499.589,4153	252.201,7674
952	8.499.609,4129	252.201,4580
953	8.499.629,4105	252.201,1486
954	8.499.649,4081	252.200,8392
955	8.499.669,4057	252.200,5297
956	8.499.689,4034	252.200,2203
957	8.499.709,4010	252.199,9109
958	8.499.729,3986	252.199,6015
959	8.499.749,3962	252.199,2920

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
960	8.499.769,3938	252.198,9826
961	8.499.789,3914	252.198,6732
962	8.499.809,3890	252.198,3638
963	8.499.829,3866	252.198,0543
964	8.499.849,3842	252.197,7449
965	8.499.869,3818	252.197,4355
966	8.499.889,3794	252.197,1260
967	8.499.909,3770	252.196,8166
968	8.499.929,3746	252.196,5072
969	8.499.949,3722	252.196,1978
970	8.499.969,3698	252.195,8883
971	8.499.989,3674	252.195,5789
972	8.500.009,3651	252.195,2695
973 PCV16	8.500.029,3627	252.194,9601
974	8.500.049,3603	252.194,6506
975	8.500.069,3579	252.194,3412
976	8.500.089,3555	252.194,0318
977 PTV16	8.500.109,3531	252.193,7224
978	8.500.129,3507	252.193,4129
979	8.500.149,3483	252.193,1035
980	8.500.169,3459	252.192,7941
981	8.500.189,3435	252.192,4847
982	8.500.209,3411	252.192,1752
983	8.500.229,3387	252.191,8658
984	8.500.249,3363	252.191,5564
984+2,351 PI4	8.500.251,6871	252.191,5200
985	8.500.269,3328	252.191,1821
986	8.500.289,3292	252.190,7993
987	8.500.309,3255	252.190,4164
988	8.500.329,3218	252.190,0336
989	8.500.349,3182	252.189,6507
990	8.500.369,3145	252.189,2679
991	8.500.389,3108	252.188,8850
992	8.500.409,3072	252.188,5021
993	8.500.429,3035	252.188,1193
994	8.500.449,2998	252.187,7364
995	8.500.469,2962	252.187,3536
996	8.500.489,2925	252.186,9707
997	8.500.509,2888	252.186,5879
998	8.500.529,2852	252.186,2050
999	8.500.549,2815	252.185,8221
1000	8.500.569,2778	252.185,4393

Alinhamento: Linha Cabaçu		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1001	8.500.589,2742	252.185,0564
1002	8.500.609,2705	252.184,6736
1003	8.500.629,2668	252.184,2907
1004	8.500.649,2632	252.183,9078
1005	8.500.669,2595	252.183,5250
1006	8.500.689,2559	252.183,1421
1007	8.500.709,2522	252.182,7593
1008	8.500.729,2485	252.182,3764
1009	8.500.749,2449	252.181,9936
1010	8.500.769,2412	252.181,6107
1011	8.500.789,2375	252.181,2278
1012	8.500.809,2339	252.180,8450
1013	8.500.829,2302	252.180,4621
1014	8.500.849,2265	252.180,0793
1015	8.500.869,2229	252.179,6964
1016 PCV17	8.500.889,2192	252.179,3135
1017	8.500.909,2155	252.178,9307
1018	8.500.929,2119	252.178,5478
1019	8.500.949,2082	252.178,1650
1020	8.500.969,2045	252.177,7821
1021	8.500.989,2009	252.177,3993
1022 PTV17	8.501.009,1972	252.177,0164
1023	8.501.029,1936	252.176,6335
1024	8.501.049,1899	252.176,2507
1025	8.501.069,1862	252.175,8678
1026	8.501.089,1826	252.175,4850
1027	8.501.109,1789	252.175,1021
1028	8.501.129,1752	252.174,7193
1029	8.501.149,1716	252.174,3364
1030	8.501.169,1679	252.173,9535
1031	8.501.189,1642	252.173,5707
1032	8.501.209,1606	252.173,1878
1033	8.501.229,1569	252.172,8050
1034	8.501.249,1532	252.172,4221
1035	8.501.269,1496	252.172,0392
1036	8.501.289,1459	252.171,6564
1037	8.501.309,1422	252.171,2735
1038	8.501.329,1386	252.170,8907
1039	8.501.349,1349	252.170,5078
1040	8.501.369,1312	252.170,1250
1041	8.501.389,1276	252.169,7421
1042	8.501.409,1239	252.169,3592

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1043	8.501.429,1203	252.168,9764
1044	8.501.449,1166	252.168,5935
1045	8.501.469,1129	252.168,2107
1046	8.501.489,1093	252.167,8278
1047	8.501.509,1056	252.167,4449
1048	8.501.529,1019	252.167,0621
1049	8.501.549,0983	252.166,6792
1050	8.501.569,0946	252.166,2964
1051	8.501.589,0909	252.165,9135
1052	8.501.609,0873	252.165,5307
1053	8.501.629,0836	252.165,1478
1054	8.501.649,0799	252.164,7649
1055	8.501.669,0763	252.164,3821
1056	8.501.689,0726	252.163,9992
1057 PCV18	8.501.709,0689	252.163,6164
1058	8.501.729,0653	252.163,2335
1059	8.501.749,0616	252.162,8507
1060	8.501.769,0580	252.162,4678
1061	8.501.789,0543	252.162,0849
1062	8.501.809,0506	252.161,7021
1063	8.501.829,0470	252.161,3192
1064	8.501.849,0433	252.160,9364
1065	8.501.869,0396	252.160,5535
1066	8.501.889,0360	252.160,1706
1067	8.501.909,0323	252.159,7878
1068	8.501.929,0286	252.159,4049
1069	8.501.949,0250	252.159,0221
1070	8.501.969,0213	252.158,6392
1071	8.501.989,0176	252.158,2564
1072	8.502.009,0140	252.157,8735
1073	8.502.029,0103	252.157,4906
1074	8.502.049,0066	252.157,1078
1075	8.502.069,0030	252.156,7249
1076	8.502.088,9993	252.156,3421
1077 PTV18	8.502.108,9957	252.155,9592
1078	8.502.128,9920	252.155,5763
1079	8.502.148,9883	252.155,1935
1080	8.502.168,9847	252.154,8106
1081	8.502.188,9810	252.154,4278
1082	8.502.208,9773	252.154,0449
1083	8.502.228,9737	252.153,6621
1084	8.502.248,9700	252.153,2792

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1085	8.502.268,9663	252.152,8963
1086	8.502.288,9627	252.152,5135
1087	8.502.308,9590	252.152,1306
1088	8.502.328,9553	252.151,7478
1089	8.502.348,9517	252.151,3649
1090	8.502.368,9480	252.150,9821
1091	8.502.388,9443	252.150,5992
1092	8.502.408,9407	252.150,2163
1093	8.502.428,9370	252.149,8335
1094	8.502.448,9333	252.149,4506
1095	8.502.468,9297	252.149,0678
1096	8.502.488,9260	252.148,6849
1097	8.502.508,9224	252.148,3020
1098	8.502.528,9187	252.147,9192
1099	8.502.548,9150	252.147,5363
1100	8.502.568,9114	252.147,1535
1101	8.502.588,9077	252.146,7706
1102 PCV19	8.502.608,9040	252.146,3878
1103	8.502.628,9004	252.146,0049
1104	8.502.648,8967	252.145,6220
1105	8.502.668,8930	252.145,2392
1106	8.502.688,8894	252.144,8563
1107	8.502.708,8857	252.144,4735
1108	8.502.728,8820	252.144,0906
1109	8.502.748,8784	252.143,7077
1110 PTV19	8.502.768,8747	252.143,3249
1111	8.502.788,8710	252.142,9420
1112	8.502.808,8674	252.142,5592
1113	8.502.828,8637	252.142,1763
1114	8.502.848,8601	252.141,7935
1115	8.502.868,8564	252.141,4106
1116	8.502.888,8527	252.141,0277
1117	8.502.908,8491	252.140,6449
1118	8.502.928,8454	252.140,2620
1119	8.502.948,8417	252.139,8792
1120	8.502.968,8381	252.139,4963
1121	8.502.988,8344	252.139,1135
1122	8.503.008,8307	252.138,7306
1123	8.503.028,8271	252.138,3477
1124	8.503.048,8234	252.137,9649
1125	8.503.068,8197	252.137,5820
1126	8.503.088,8161	252.137,1992

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1127	8.503.108,8124	252.136,8163
1128	8.503.128,8087	252.136,4334
1129	8.503.148,8051	252.136,0506
1130	8.503.168,8014	252.135,6677
1131	8.503.188,7977	252.135,2849
1132	8.503.208,7941	252.134,9020
1133	8.503.228,7904	252.134,5192
1134	8.503.248,7868	252.134,1363
1135	8.503.268,7831	252.133,7534
1136	8.503.288,7794	252.133,3706
1137	8.503.308,7758	252.132,9877
1138 PCV20	8.503.328,7721	252.132,6049
1139	8.503.348,7684	252.132,2220
1140	8.503.368,7648	252.131,8391
1141	8.503.388,7611	252.131,4563
1142	8.503.408,7574	252.131,0734
1143	8.503.428,7538	252.130,6906
1144	8.503.448,7501	252.130,3077
1145	8.503.468,7464	252.129,9249
1146 PTV20	8.503.488,7428	252.129,5420
1147	8.503.508,7391	252.129,1591
1148	8.503.528,7354	252.128,7763
1149	8.503.548,7318	252.128,3934
1150	8.503.568,7281	252.128,0106
1151	8.503.588,7245	252.127,6277
1152	8.503.608,7208	252.127,2449
1153	8.503.628,7171	252.126,8620
1154	8.503.648,7135	252.126,4791
1155	8.503.668,7098	252.126,0963
1156	8.503.688,7061	252.125,7134
1157	8.503.708,7025	252.125,3306
1158	8.503.728,6988	252.124,9477
1159	8.503.748,6951	252.124,5648
1160	8.503.768,6915	252.124,1820
1161	8.503.788,6878	252.123,7991
1162	8.503.808,6841	252.123,4163
1163	8.503.828,6805	252.123,0334
1164	8.503.848,6768	252.122,6506
1165	8.503.868,6731	252.122,2677
1166	8.503.888,6695	252.121,8848
1167	8.503.908,6658	252.121,5020
1168	8.503.928,6621	252.121,1191

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1169	8.503.948,6585	252.120,7363
1170	8.503.968,6548	252.120,3534
1171	8.503.988,6512	252.119,9705
1172	8.504.008,6475	252.119,5877
1173	8.504.028,6438	252.119,2048
1174	8.504.048,6402	252.118,8220
1175	8.504.068,6365	252.118,4391
1176	8.504.088,6328	252.118,0563
1177	8.504.108,6292	252.117,6734
1178	8.504.128,6255	252.117,2905
1179	8.504.148,6218	252.116,9077
1180	8.504.168,6182	252.116,5248
1181	8.504.188,6145	252.116,1420
1182	8.504.208,6108	252.115,7591
1183	8.504.228,6072	252.115,3763
1184	8.504.248,6035	252.114,9934
1185	8.504.268,5998	252.114,6105
1186	8.504.288,5962	252.114,2277
1187	8.504.308,5925	252.113,8448
1188	8.504.328,5889	252.113,4620
1189	8.504.348,5852	252.113,0791
1190	8.504.368,5815	252.112,6962
1191	8.504.388,5779	252.112,3134
1192	8.504.408,5742	252.111,9305
1193	8.504.428,5705	252.111,5477
1194	8.504.448,5669	252.111,1648
1195	8.504.468,5632	252.110,7820
1196	8.504.488,5595	252.110,3991
1197	8.504.508,5559	252.110,0162
1198	8.504.528,5522	252.109,6334
1199	8.504.548,5485	252.109,2505
1200 PCV21	8.504.568,5449	252.108,8677
1201	8.504.588,5412	252.108,4848
1202	8.504.608,5375	252.108,1019
1203	8.504.628,5339	252.107,7191
1204	8.504.648,5302	252.107,3362
1205	8.504.668,5266	252.106,9534
1206	8.504.688,5229	252.106,5705
1207	8.504.708,5192	252.106,1877
1208	8.504.728,5156	252.105,8048
1209	8.504.748,5119	252.105,4219
1210	8.504.768,5082	252.105,0391

Alinhamento: Linha Cabaçu		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1211	8.504.788,5046	252.104,6562
1212	8.504.808,5009	252.104,2734
1213	8.504.828,4972	252.103,8905
1214	8.504.848,4936	252.103,5077
1215	8.504.868,4899	252.103,1248
1216	8.504.888,4862	252.102,7419
1217	8.504.908,4826	252.102,3591
1218	8.504.928,4789	252.101,9762
1219	8.504.948,4752	252.101,5934
1220 PTV21	8.504.968,4716	252.101,2105
1221	8.504.988,4679	252.100,8276
1222	8.505.008,4642	252.100,4448
1223	8.505.028,4606	252.100,0619
1224	8.505.048,4569	252.099,6791
1225	8.505.068,4533	252.099,2962
1226	8.505.088,4496	252.098,9134
1227	8.505.108,4459	252.098,5305
1228	8.505.128,4423	252.098,1476
1229	8.505.148,4386	252.097,7648
1230	8.505.168,4349	252.097,3819
1231	8.505.188,4313	252.096,9991
1232	8.505.208,4276	252.096,6162
1233	8.505.228,4239	252.096,2333
1234	8.505.248,4203	252.095,8505
1235	8.505.268,4166	252.095,4676
1236 PCV22	8.505.288,4129	252.095,0848
1237	8.505.308,4093	252.094,7019
1238	8.505.328,4056	252.094,3191
1239	8.505.348,4019	252.093,9362
1240	8.505.368,3983	252.093,5533
1241	8.505.388,3946	252.093,1705
1242	8.505.408,3910	252.092,7876
1243	8.505.428,3873	252.092,4048
1244	8.505.448,3836	252.092,0219
1245	8.505.468,3800	252.091,6391
1246	8.505.488,3763	252.091,2562
1247	8.505.508,3726	252.090,8733
1248	8.505.528,3690	252.090,4905
1249	8.505.548,3653	252.090,1076
1250	8.505.568,3616	252.089,7248
1251	8.505.588,3580	252.089,3419
1252	8.505.608,3543	252.088,9590

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1253	8.505.628,3506	252.088,5762
1254	8.505.648,3470	252.088,1933
1255	8.505.668,3433	252.087,8105
1256 PTV22	8.505.688,3396	252.087,4276
1257	8.505.708,3360	252.087,0448
1258	8.505.728,3323	252.086,6619
1259	8.505.748,3286	252.086,2790
1260	8.505.768,3250	252.085,8962
1261	8.505.788,3213	252.085,5133
1262	8.505.808,3177	252.085,1305
1263	8.505.828,3140	252.084,7476
1264	8.505.848,3103	252.084,3647
1265	8.505.868,3067	252.083,9819
1266	8.505.888,3030	252.083,5990
1267	8.505.908,2993	252.083,2162
1268	8.505.928,2957	252.082,8333
1269	8.505.948,2920	252.082,4505
1270	8.505.968,2883	252.082,0676
1271	8.505.988,2847	252.081,6847
1272	8.506.008,2810	252.081,3019
1273	8.506.028,2773	252.080,9190
1274	8.506.048,2737	252.080,5362
1275	8.506.068,2700	252.080,1533
1276	8.506.088,2663	252.079,7705
1277	8.506.108,2627	252.079,3876
1278	8.506.128,2590	252.079,0047
1279	8.506.148,2554	252.078,6219
1280	8.506.168,2517	252.078,2390
1281	8.506.188,2480	252.077,8562
1282	8.506.208,2444	252.077,4733
1283	8.506.228,2407	252.077,0904
1284	8.506.248,2370	252.076,7076
1285	8.506.268,2334	252.076,3247
1286	8.506.288,2297	252.075,9419
1287	8.506.308,2260	252.075,5590
1288	8.506.328,2224	252.075,1762
1289	8.506.348,2187	252.074,7933
1290	8.506.368,2150	252.074,4104
1291	8.506.388,2114	252.074,0276
1292	8.506.408,2077	252.073,6447
1293	8.506.428,2040	252.073,2619
1294	8.506.448,2004	252.072,8790

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1295	8.506.468,1967	252.072,4961
1296	8.506.488,1930	252.072,1133
1297	8.506.508,1894	252.071,7304
1298	8.506.528,1857	252.071,3476
1299	8.506.548,1821	252.070,9647
1300	8.506.568,1784	252.070,5819
1301	8.506.588,1747	252.070,1990
1302	8.506.608,1711	252.069,8161
1303	8.506.628,1674	252.069,4333
1304	8.506.648,1637	252.069,0504
1305	8.506.668,1601	252.068,6676
1306	8.506.688,1564	252.068,2847
1307	8.506.708,1527	252.067,9019
1308	8.506.728,1491	252.067,5190
1309	8.506.748,1454	252.067,1361
1310	8.506.768,1417	252.066,7533
1311	8.506.788,1381	252.066,3704
1312	8.506.808,1344	252.065,9876
1313	8.506.828,1307	252.065,6047
1314	8.506.848,1271	252.065,2218
1315	8.506.868,1234	252.064,8390
1316	8.506.888,1198	252.064,4561
1317	8.506.908,1161	252.064,0733
1318	8.506.928,1124	252.063,6904
1319	8.506.948,1088	252.063,3076
1320	8.506.968,1051	252.062,9247
1321	8.506.988,1014	252.062,5418
1322	8.507.008,0978	252.062,1590
1323	8.507.028,0941	252.061,7761
1324 PCV23	8.507.048,0904	252.061,3933
1325	8.507.068,0868	252.061,0104
1326	8.507.088,0831	252.060,6275
1327	8.507.108,0794	252.060,2447
1328 PTV23	8.507.128,0758	252.059,8618
1329	8.507.148,0721	252.059,4790
1330	8.507.168,0684	252.059,0961
1331	8.507.188,0648	252.058,7133
1332	8.507.208,0611	252.058,3304
1333	8.507.228,0575	252.057,9475
1334	8.507.248,0538	252.057,5647
1335	8.507.268,0501	252.057,1818
1336	8.507.288,0465	252.056,7990

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1337	8.507.308,0428	252.056,4161
1338	8.507.328,0391	252.056,0333
1339	8.507.348,0355	252.055,6504
1340	8.507.368,0318	252.055,2675
1341	8.507.388,0281	252.054,8847
1342	8.507.408,0245	252.054,5018
1343	8.507.428,0208	252.054,1190
1344	8.507.448,0171	252.053,7361
1345	8.507.468,0135	252.053,3532
1346	8.507.488,0098	252.052,9704
1347	8.507.508,0061	252.052,5875
1348	8.507.528,0025	252.052,2047
1349	8.507.547,9988	252.051,8218
1350	8.507.567,9951	252.051,4390
1351	8.507.587,9915	252.051,0561
1352	8.507.607,9878	252.050,6732
1353	8.507.627,9842	252.050,2904
1354	8.507.647,9805	252.049,9075
1355	8.507.667,9768	252.049,5247
1356	8.507.687,9732	252.049,1418
1357	8.507.707,9695	252.048,7589
1358	8.507.727,9658	252.048,3761
1359	8.507.747,9622	252.047,9932
1360	8.507.767,9585	252.047,6104
1361	8.507.787,9548	252.047,2275
1362	8.507.807,9512	252.046,8447
1363	8.507.827,9475	252.046,4618
1364	8.507.847,9438	252.046,0789
1365	8.507.867,9402	252.045,6961
1366	8.507.887,9365	252.045,3132
1367	8.507.907,9328	252.044,9304
1368	8.507.927,9292	252.044,5475
1369	8.507.947,9255	252.044,1647
1370	8.507.967,9219	252.043,7818
1371	8.507.987,9182	252.043,3989
1372	8.508.007,9145	252.043,0161
1373	8.508.027,9109	252.042,6332
1374	8.508.047,9072	252.042,2504
1375	8.508.067,9035	252.041,8675
1376	8.508.087,8999	252.041,4846
1377	8.508.107,8962	252.041,1018
1378	8.508.127,8925	252.040,7189

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1379	8.508.147,8889	252.040,3361
1380	8.508.167,8852	252.039,9532
1381	8.508.187,8815	252.039,5704
1382	8.508.207,8779	252.039,1875
1383	8.508.227,8742	252.038,8046
1384	8.508.247,8705	252.038,4218
1385	8.508.267,8669	252.038,0389
1386	8.508.287,8632	252.037,6561
1387	8.508.307,8595	252.037,2732
1388	8.508.327,8559	252.036,8903
1389	8.508.347,8522	252.036,5075
1390	8.508.367,8486	252.036,1246
1391	8.508.387,8449	252.035,7418
1392	8.508.407,8412	252.035,3589
1393	8.508.427,8376	252.034,9761
1394	8.508.447,8339	252.034,5932
1395	8.508.467,8302	252.034,2103
1396	8.508.487,8266	252.033,8275
1397	8.508.507,8229	252.033,4446
1398	8.508.527,8192	252.033,0618
1399	8.508.547,8156	252.032,6789
1400	8.508.567,8119	252.032,2961
1401	8.508.587,8082	252.031,9132
1402	8.508.607,8046	252.031,5303
1403	8.508.627,8009	252.031,1475
1404	8.508.647,7972	252.030,7646
1405	8.508.667,7936	252.030,3818
1406	8.508.687,7899	252.029,9989
1407	8.508.707,7863	252.029,6160
1408	8.508.727,7826	252.029,2332
1409	8.508.747,7789	252.028,8503
1410	8.508.767,7753	252.028,4675
1411	8.508.787,7716	252.028,0846
1412	8.508.807,7679	252.027,7018
1413	8.508.827,7643	252.027,3189
1414	8.508.847,7606	252.026,9360
1415	8.508.867,7569	252.026,5532
1416	8.508.887,7533	252.026,1703
1417	8.508.907,7496	252.025,7875
1418	8.508.927,7459	252.025,4046
1419	8.508.947,7423	252.025,0217
1420	8.508.967,7386	252.024,6389

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1421	8.508.987,7349	252.024,2560
1422	8.509.007,7313	252.023,8732
1423	8.509.027,7276	252.023,4903
1424	8.509.047,7239	252.023,1075
1425	8.509.067,7203	252.022,7246
1426	8.509.087,7166	252.022,3417
1427	8.509.107,7130	252.021,9589
1428	8.509.127,7093	252.021,5760
1429 PCV 24	8.509.147,7056	252.021,1932
1430	8.509.167,7020	252.020,8103
1431	8.509.187,6983	252.020,4275
1432	8.509.207,6946	252.020,0446
1433 PTV 24	8.509.227,6910	252.019,6617
1434	8.509.247,6873	252.019,2789
1435	8.509.267,6836	252.018,8960
1436	8.509.287,6800	252.018,5132
1437	8.509.307,6763	252.018,1303
1438	8.509.327,6726	252.017,7474
1439	8.509.347,6690	252.017,3646
1440	8.509.367,6653	252.016,9817
1441	8.509.387,6616	252.016,5989
1442	8.509.407,6580	252.016,2160
1443	8.509.427,6543	252.015,8332
1444	8.509.447,6507	252.015,4503
1445	8.509.467,6470	252.015,0674
1446	8.509.487,6433	252.014,6846
1447	8.509.507,6397	252.014,3017
1448	8.509.527,6360	252.013,9189
1449	8.509.547,6323	252.013,5360
1450	8.509.567,6287	252.013,1531
1451	8.509.587,6250	252.012,7703
1452	8.509.607,6213	252.012,3874
1453	8.509.627,6177	252.012,0046
1454	8.509.647,6140	252.011,6217
1455	8.509.667,6103	252.011,2389
1456	8.509.687,6067	252.010,8560
1457	8.509.707,6030	252.010,4731
1458	8.509.727,5993	252.010,0903
1459	8.509.747,5957	252.009,7074
1460	8.509.767,5920	252.009,3246
1461	8.509.787,5884	252.008,9417
1462	8.509.807,5847	252.008,5589

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1463	8.509.827,5810	252.008,1760
1464	8.509.847,5774	252.007,7931
1465	8.509.867,5737	252.007,4103
1466	8.509.887,5700	252.007,0274
1467	8.509.907,5664	252.006,6446
1468	8.509.927,5627	252.006,2617
1469	8.509.947,5590	252.005,8788
1470	8.509.967,5554	252.005,4960
1471	8.509.987,5517	252.005,1131
1472	8.510.007,5480	252.004,7303
1473	8.510.027,5444	252.004,3474
1474	8.510.047,5407	252.003,9646
1475	8.510.067,5370	252.003,5817
1476	8.510.087,5334	252.003,1988
1477	8.510.107,5297	252.002,8160
1478	8.510.127,5260	252.002,4331
1479	8.510.147,5224	252.002,0503
1480	8.510.167,5187	252.001,6674
1481	8.510.187,5151	252.001,2845
1482	8.510.207,5114	252.000,9017
1483	8.510.227,5077	252.000,5188
1484	8.510.247,5041	252.000,1360
1485	8.510.267,5004	251.999,7531
1486	8.510.287,4967	251.999,3703
1487	8.510.307,4931	251.998,9874
1488	8.510.327,4894	251.998,6045
1489	8.510.347,4857	251.998,2217
1490	8.510.367,4821	251.997,8388
1491	8.510.387,4784	251.997,4560
1492	8.510.407,4747	251.997,0731
1493	8.510.427,4711	251.996,6903
1494	8.510.447,4674	251.996,3074
1495	8.510.467,4637	251.995,9245
1496	8.510.487,4601	251.995,5417
1497	8.510.507,4564	251.995,1588
1498	8.510.527,4528	251.994,7760
1499	8.510.547,4491	251.994,3931
1500	8.510.567,4454	251.994,0102
1501	8.510.587,4418	251.993,6274
1502	8.510.607,4381	251.993,2445
1503	8.510.627,4344	251.992,8617
1504	8.510.647,4308	251.992,4788

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1505	8.510.667,4271	251.992,0960
1506	8.510.687,4234	251.991,7131
1507	8.510.707,4198	251.991,3302
1508	8.510.727,4161	251.990,9474
1509	8.510.747,4124	251.990,5645
1510	8.510.767,4088	251.990,1817
1511	8.510.787,4051	251.989,7988
1512	8.510.807,4014	251.989,4159
1513	8.510.827,3978	251.989,0331
1514	8.510.847,3941	251.988,6502
1515	8.510.867,3904	251.988,2674
1516	8.510.887,3868	251.987,8845
1517	8.510.907,3831	251.987,5017
1518	8.510.927,3795	251.987,1188
1519	8.510.947,3758	251.986,7359
1520	8.510.967,3721	251.986,3531
1521	8.510.987,3685	251.985,9702
1522	8.511.007,3648	251.985,5874
1523	8.511.027,3611	251.985,2045
1524	8.511.047,3575	251.984,8217
1525	8.511.067,3538	251.984,4388
1526	8.511.087,3501	251.984,0559
1527	8.511.107,3465	251.983,6731
1528	8.511.127,3428	251.983,2902
1529	8.511.147,3391	251.982,9074
1530	8.511.167,3355	251.982,5245
1531	8.511.187,3318	251.982,1416
1532	8.511.207,3281	251.981,7588
1533	8.511.227,3245	251.981,3759
1534	8.511.247,3208	251.980,9931
1535	8.511.267,3172	251.980,6102
1536	8.511.287,3135	251.980,2274
1537	8.511.307,3098	251.979,8445
1538	8.511.327,3062	251.979,4616
1539	8.511.347,3025	251.979,0788
1540	8.511.367,2988	251.978,6959
1541	8.511.387,2952	251.978,3131
1542	8.511.407,2915	251.977,9302
1543	8.511.427,2878	251.977,5473
1544	8.511.447,2842	251.977,1645
1545	8.511.467,2805	251.976,7816
1546	8.511.487,2768	251.976,3988

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1547	8.511.507,2732	251.976,0159
1548	8.511.527,2695	251.975,6331
1549	8.511.547,2658	251.975,2502
1550	8.511.567,2622	251.974,8673
1551	8.511.587,2585	251.974,4845
1552	8.511.607,2548	251.974,1016
1553	8.511.627,2512	251.973,7188
1554	8.511.647,2475	251.973,3359
1555	8.511.667,2439	251.972,9531
1556	8.511.687,2402	251.972,5702
1557	8.511.707,2365	251.972,1873
1558	8.511.727,2329	251.971,8045
1559	8.511.747,2292	251.971,4216
1560	8.511.767,2255	251.971,0388
1561	8.511.787,2219	251.970,6559
1562	8.511.807,2182	251.970,2730
1563	8.511.827,2145	251.969,8902
1564	8.511.847,2109	251.969,5073
1565	8.511.867,2072	251.969,1245
1566	8.511.887,2035	251.968,7416
1567	8.511.907,1999	251.968,3588
1568	8.511.927,1962	251.967,9759
1569	8.511.947,1925	251.967,5930
1570	8.511.967,1889	251.967,2102
1571	8.511.987,1852	251.966,8273
1572	8.512.007,1816	251.966,4445
1573	8.512.027,1779	251.966,0616
1574	8.512.047,1742	251.965,6787
1575	8.512.067,1706	251.965,2959
1576	8.512.087,1669	251.964,9130
1577	8.512.107,1632	251.964,5302
1578	8.512.127,1596	251.964,1473
1579	8.512.147,1559	251.963,7645
1580	8.512.167,1522	251.963,3816
1581	8.512.187,1486	251.962,9987
1582	8.512.207,1449	251.962,6159
1583	8.512.227,1412	251.962,2330
1584	8.512.247,1376	251.961,8502
1585	8.512.267,1339	251.961,4673
1586	8.512.287,1302	251.961,0845
1587	8.512.307,1266	251.960,7016
1588	8.512.327,1229	251.960,3187

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1589	8.512.347,1193	251.959,9359
1590	8.512.367,1156	251.959,5530
1591	8.512.387,1119	251.959,1702
1592	8.512.407,1083	251.958,7873
1593	8.512.427,1046	251.958,4044
1594	8.512.447,1009	251.958,0216
1595	8.512.467,0973	251.957,6387
1596	8.512.487,0936	251.957,2559
1597	8.512.507,0899	251.956,8730
1598	8.512.527,0863	251.956,4902
1599	8.512.547,0826	251.956,1073
1600	8.512.567,0789	251.955,7244
1601	8.512.587,0753	251.955,3416
1602	8.512.607,0716	251.954,9587
1603	8.512.627,0679	251.954,5759
1604	8.512.647,0643	251.954,1930
1605	8.512.667,0606	251.953,8101
1606	8.512.687,0569	251.953,4273
1607	8.512.707,0533	251.953,0444
1608	8.512.727,0496	251.952,6616
1609	8.512.747,0460	251.952,2787
1610	8.512.767,0423	251.951,8959
1611	8.512.787,0386	251.951,5130
1612	8.512.807,0350	251.951,1301
1613	8.512.827,0313	251.950,7473
1614	8.512.847,0276	251.950,3644
1615	8.512.867,0240	251.949,9816
1616	8.512.887,0203	251.949,5987
1617	8.512.907,0166	251.949,2159
1618	8.512.927,0130	251.948,8330
1619	8.512.947,0093	251.948,4501
1620	8.512.967,0056	251.948,0673
1621	8.512.987,0020	251.947,6844
1622	8.513.006,9983	251.947,3016
1623	8.513.026,9946	251.946,9187
1624	8.513.046,9910	251.946,5358
1625	8.513.066,9873	251.946,1530
1626	8.513.086,9837	251.945,7701
1627	8.513.106,9800	251.945,3873
1628	8.513.126,9763	251.945,0044
1629	8.513.146,9727	251.944,6216
1630	8.513.166,9690	251.944,2387

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1631	8.513.186,9653	251.943,8558
1631+0,712 TE5	8.513.187,6768	251.943,8422
1632	8.513.206,9634	251.943,6030
1633	8.513.226,9514	251.944,1885
1633+0,712 EC5	8.513.227,6615	251.944,2357
1634	8.513.246,8282	251.946,3476
1635	8.513.266,4424	251.950,2247
1635+10,816 CE5	8.513.276,8882	251.953,0275
1636	8.513.285,6501	251.955,7773
1637	8.513.304,4547	251.962,5830
1637+10,816 ET5	8.513.314,5370	251.966,4993
1638	8.513.323,0905	251.969,8427
1639	8.513.341,7181	251.977,1237
1640	8.513.360,3457	251.984,4048
1641	8.513.378,9732	251.991,6859
1642	8.513.397,6008	251.998,9669
1643	8.513.416,2284	252.006,2480
1644	8.513.434,8559	252.013,5290
1645	8.513.453,4835	252.020,8101
1646 PCV25	8.513.472,1111	252.028,0911
1647	8.513.490,7386	252.035,3722
1648	8.513.509,3662	252.042,6532
1649	8.513.527,9938	252.049,9343
1650 PTV25	8.513.546,6213	252.057,2153
1651	8.513.565,2489	252.064,4964
1652	8.513.583,8765	252.071,7774
1653	8.513.602,5040	252.079,0585
1654	8.513.621,1316	252.086,3396
1655	8.513.639,7592	252.093,6206
1656	8.513.658,3867	252.100,9017
1657	8.513.677,0143	252.108,1827
1658	8.513.695,6419	252.115,4638
1659	8.513.714,2694	252.122,7448
1660	8.513.732,8970	252.130,0259
1661	8.513.751,5246	252.137,3069
1662	8.513.770,1521	252.144,5880
1663	8.513.788,7797	252.151,8690
1664	8.513.807,4073	252.159,1501
1665	8.513.826,0348	252.166,4311
1666	8.513.844,6624	252.173,7122
1667	8.513.863,2900	252.180,9932
1668	8.513.881,9175	252.188,2743

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1669	8.513.900,5451	252.195,5554
1670	8.513.919,1727	252.202,8364
1671	8.513.937,8002	252.210,1175
1672	8.513.956,4278	252.217,3985
1673	8.513.975,0554	252.224,6796
1674	8.513.993,6829	252.231,9606
1675	8.514.012,3105	252.239,2417
1676	8.514.030,9381	252.246,5227
1677	8.514.049,5656	252.253,8038
1678	8.514.068,1932	252.261,0848
1679	8.514.086,8208	252.268,3659
1680 PCV26	8.514.105,4483	252.275,6469
1681	8.514.124,0759	252.282,9280
1682	8.514.142,7035	252.290,2091
1683	8.514.161,3310	252.297,4901
1684 PTV26	8.514.179,9586	252.304,7712
1685	8.514.198,5862	252.312,0522
1686	8.514.217,2137	252.319,3333
1687	8.514.235,8413	252.326,6143
1688	8.514.254,4689	252.333,8954
1689	8.514.273,0965	252.341,1764
1690	8.514.291,7240	252.348,4575
1691	8.514.310,3516	252.355,7385
1692	8.514.328,9792	252.363,0196
1693	8.514.347,6067	252.370,3006
1694	8.514.366,2343	252.377,5817
1695	8.514.384,8619	252.384,8628
1696	8.514.403,4894	252.392,1438
1697	8.514.422,1170	252.399,4249
1698	8.514.440,7446	252.406,7059
1699	8.514.459,3721	252.413,9870
1700	8.514.477,9997	252.421,2680
1701	8.514.496,6273	252.428,5491
1702	8.514.515,2548	252.435,8301
1703	8.514.533,8824	252.443,1112
1704	8.514.552,5100	252.450,3922
1705	8.514.571,1375	252.457,6733
1706	8.514.589,7651	252.464,9543
1707	8.514.608,3927	252.472,2354
1708	8.514.627,0202	252.479,5165
1709	8.514.645,6478	252.486,7975
1710	8.514.664,2754	252.494,0786

Alinhamento: Linha Cabaçu		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1711	8.514.682,9029	252.501,3596
1712	8.514.701,5305	252.508,6407
1713	8.514.720,1581	252.515,9217
1714	8.514.738,7856	252.523,2028
1715	8.514.757,4132	252.530,4838
1716	8.514.776,0408	252.537,7649
1717	8.514.794,6683	252.545,0459
1718	8.514.813,2959	252.552,3270
1719 PCV27	8.514.831,9235	252.559,6080
1720	8.514.850,5510	252.566,8891
1721	8.514.869,1786	252.574,1702
1722	8.514.887,8062	252.581,4512
1723 PTV27	8.514.906,4337	252.588,7323
1724	8.514.925,0613	252.596,0133
1725	8.514.943,6889	252.603,2944
1726	8.514.962,3164	252.610,5754
1727	8.514.980,9440	252.617,8565
1728	8.514.999,5716	252.625,1375
1729	8.515.018,1991	252.632,4186
1730	8.515.036,8267	252.639,6996
1731	8.515.055,4543	252.646,9807
1732	8.515.074,0818	252.654,2617
1733	8.515.092,7094	252.661,5428
1734	8.515.111,3370	252.668,8239
1735	8.515.129,9645	252.676,1049
1736	8.515.148,5921	252.683,3860
1737	8.515.167,2197	252.690,6670
1738	8.515.185,8472	252.697,9481
1739	8.515.204,4748	252.705,2291
1740	8.515.223,1024	252.712,5102
1741	8.515.241,7299	252.719,7912
1742	8.515.260,3575	252.727,0723
1742+16,016 PI6	8.515.275,2746	252.732,9030
1743	8.515.278,9889	252.734,3434
1744	8.515.297,6357	252.741,5749
1745	8.515.316,2826	252.748,8064
1746	8.515.334,9295	252.756,0379
1747	8.515.353,5764	252.763,2693
1748	8.515.372,2232	252.770,5008
1749	8.515.390,8701	252.777,7323
1750	8.515.409,5170	252.784,9637
1751	8.515.428,1638	252.792,1952

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1752	8.515.446,8107	252.799,4267
1753	8.515.465,4576	252.806,6581
1754	8.515.484,1045	252.813,8896
1755	8.515.502,7513	252.821,1211
1756	8.515.521,3982	252.828,3525
1757	8.515.540,0451	252.835,5840
1758	8.515.558,6919	252.842,8155
1759	8.515.577,3388	252.850,0470
1760	8.515.595,9857	252.857,2784
1761	8.515.614,6326	252.864,5099
1762	8.515.633,2794	252.871,7414
1763	8.515.651,9263	252.878,9728
1764	8.515.670,5732	252.886,2043
1765	8.515.689,2201	252.893,4358
1766 PCV28	8.515.707,8669	252.900,6672
1767	8.515.726,5138	252.907,8987
1768	8.515.745,1607	252.915,1302
1769	8.515.763,8075	252.922,3617
1770 PTV28	8.515.782,4544	252.929,5931
1771	8.515.801,1013	252.936,8246
1772	8.515.819,7482	252.944,0561
1773	8.515.838,3950	252.951,2875
1774	8.515.857,0419	252.958,5190
1775	8.515.875,6888	252.965,7505
1776	8.515.894,3356	252.972,9819
1777	8.515.912,9825	252.980,2134
1778	8.515.931,6294	252.987,4449
1779	8.515.950,2763	252.994,6764
1780	8.515.968,9231	253.001,9078
1781	8.515.987,5700	253.009,1393
1782	8.516.006,2169	253.016,3708
1783	8.516.024,8638	253.023,6022
1784	8.516.043,5106	253.030,8337
1785	8.516.062,1575	253.038,0652
1786	8.516.080,8044	253.045,2966
1787	8.516.099,4512	253.052,5281
1788	8.516.118,0981	253.059,7596
1789	8.516.136,7450	253.066,9911
1790	8.516.155,3919	253.074,2225
1791	8.516.174,0387	253.081,4540
1792	8.516.192,6856	253.088,6855
1793	8.516.211,3325	253.095,9169

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1794	8.516.229,9793	253.103,1484
1795	8.516.248,6262	253.110,3799
1796	8.516.267,2731	253.117,6113
1797	8.516.285,9200	253.124,8428
1798	8.516.304,5668	253.132,0743
1799	8.516.323,2137	253.139,3058
1800	8.516.341,8606	253.146,5372
1801	8.516.360,5075	253.153,7687
1802	8.516.379,1543	253.161,0002
1803	8.516.397,8012	253.168,2316
1804	8.516.416,4481	253.175,4631
1805	8.516.435,0949	253.182,6946
1806	8.516.453,7418	253.189,9260
1807	8.516.472,3887	253.197,1575
1808	8.516.491,0356	253.204,3890
1809	8.516.509,6824	253.211,6205
1810	8.516.528,3293	253.218,8519
1811	8.516.546,9762	253.226,0834
1812	8.516.565,6230	253.233,3149
1813	8.516.584,2699	253.240,5463
1814	8.516.602,9168	253.247,7778
1815	8.516.621,5637	253.255,0093
1816	8.516.640,2105	253.262,2407
1817	8.516.658,8574	253.269,4722
1818	8.516.677,5043	253.276,7037
1819	8.516.696,1512	253.283,9352
1820	8.516.714,7980	253.291,1666
1821	8.516.733,4449	253.298,3981
1822	8.516.752,0918	253.305,6296
1823	8.516.770,7386	253.312,8610
1824	8.516.789,3855	253.320,0925
1825	8.516.808,0324	253.327,3240
1826	8.516.826,6793	253.334,5554
1827	8.516.845,3261	253.341,7869
1828	8.516.863,9730	253.349,0184
1829	8.516.882,6199	253.356,2499
1830	8.516.901,2667	253.363,4813
1831	8.516.919,9136	253.370,7128
1832	8.516.938,5605	253.377,9443
1833	8.516.957,2074	253.385,1757
1834	8.516.975,8542	253.392,4072
1835	8.516.994,5011	253.399,6387

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1836	8.517.013,1480	253.406,8701
1837	8.517.031,7949	253.414,1016
1838	8.517.050,4417	253.421,3331
1839	8.517.069,0886	253.428,5646
1840	8.517.087,7355	253.435,7960
1841	8.517.106,3823	253.443,0275
1842	8.517.125,0292	253.450,2590
1843	8.517.143,6761	253.457,4904
1844	8.517.162,3230	253.464,7219
1845	8.517.180,9698	253.471,9534
1846	8.517.199,6167	253.479,1848
1847	8.517.218,2636	253.486,4163
1848	8.517.236,9104	253.493,6478
1849	8.517.255,5573	253.500,8792
1850	8.517.274,2042	253.508,1107
1851	8.517.292,8511	253.515,3422
1852	8.517.311,4979	253.522,5737
1853	8.517.330,1448	253.529,8051
1854 PCV29	8.517.348,7917	253.537,0366
1855	8.517.367,4386	253.544,2681
1856	8.517.386,0854	253.551,4995
1857	8.517.404,7323	253.558,7310
1858 PTV29	8.517.423,3792	253.565,9625
1859	8.517.442,0260	253.573,1939
1860	8.517.460,6729	253.580,4254
1861	8.517.479,3198	253.587,6569
1862	8.517.497,9667	253.594,8884
1863	8.517.516,6135	253.602,1198
1864	8.517.535,2604	253.609,3513
1865	8.517.553,9073	253.616,5828
1866	8.517.572,5541	253.623,8142
1867	8.517.591,2010	253.631,0457
1868	8.517.609,8479	253.638,2772
1869	8.517.628,4948	253.645,5086
1870	8.517.647,1416	253.652,7401
1871	8.517.665,7885	253.659,9716
1871+2,709 PI7	8.517.668,3140	253.660,9510
1872	8.517.684,4315	253.667,2131
1873	8.517.703,0738	253.674,4563
1874	8.517.721,7162	253.681,6994
1875	8.517.740,3585	253.688,9425
1876	8.517.759,0009	253.696,1856

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
1877	8.517.777,6432	253.703,4287
1878	8.517.796,2856	253.710,6719
1879	8.517.814,9279	253.717,9150
1880	8.517.833,5703	253.725,1581
1881	8.517.852,2126	253.732,4012
1882	8.517.870,8550	253.739,6443
1883	8.517.889,4973	253.746,8875
1884	8.517.908,1397	253.754,1306
1885 PCV30	8.517.926,7820	253.761,3737
1886	8.517.945,4244	253.768,6168
1887	8.517.964,0667	253.775,8599
1888	8.517.982,7091	253.783,1031
1889 PTV30	8.518.001,3514	253.790,3462
1890	8.518.019,9938	253.797,5893
1891	8.518.038,6361	253.804,8324
1892	8.518.057,2785	253.812,0756
1893	8.518.075,9208	253.819,3187
1894	8.518.094,5632	253.826,5618
1895	8.518.113,2055	253.833,8049
1896	8.518.131,8479	253.841,0480
1897	8.518.150,4902	253.848,2912
1898	8.518.169,1326	253.855,5343
1899	8.518.187,7749	253.862,7774
1900	8.518.206,4173	253.870,0205
1901	8.518.225,0596	253.877,2636
1902	8.518.243,7020	253.884,5068
1903	8.518.262,3443	253.891,7499
1904	8.518.280,9867	253.898,9930
1905	8.518.299,6290	253.906,2361
1906	8.518.318,2714	253.913,4792
1907	8.518.336,9137	253.920,7224
1908	8.518.355,5561	253.927,9655
1909	8.518.374,1984	253.935,2086
1910	8.518.392,8408	253.942,4517
1911	8.518.411,4831	253.949,6949
1912	8.518.430,1255	253.956,9380
1913	8.518.448,7678	253.964,1811
1914	8.518.467,4102	253.971,4242
1915	8.518.486,0525	253.978,6673
1916	8.518.504,6949	253.985,9105
1917	8.518.523,3372	253.993,1536
1918	8.518.541,9796	254.000,3967

Alinhamento: Linha Cabaçú
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)

ESTACA	NORTE	ESTE
1919	8.518.560,6219	254.007,6398
1920	8.518.579,2642	254.014,8829
1921	8.518.597,9066	254.022,1261
1922	8.518.616,5489	254.029,3692
1923	8.518.635,1913	254.036,6123
1924	8.518.653,8336	254.043,8554
1925	8.518.672,4760	254.051,0985
1926	8.518.691,1183	254.058,3417
1927	8.518.709,7607	254.065,5848
1928	8.518.728,4030	254.072,8279
1929	8.518.747,0454	254.080,0710
1930	8.518.765,6877	254.087,3142
1931	8.518.784,3301	254.094,5573
1932	8.518.802,9724	254.101,8004
1933	8.518.821,6148	254.109,0435
1934	8.518.840,2571	254.116,2866
1935	8.518.858,8995	254.123,5298
1936	8.518.877,5418	254.130,7729
1937	8.518.896,1842	254.138,0160
1938	8.518.914,8265	254.145,2591
1939	8.518.933,4689	254.152,5022
1940	8.518.952,1112	254.159,7454
1941	8.518.970,7536	254.166,9885
1942	8.518.989,3959	254.174,2316
1943	8.519.008,0383	254.181,4747
1944	8.519.026,6806	254.188,7178
1945	8.519.045,3230	254.195,9610
1946	8.519.063,9653	254.203,2041
1947	8.519.082,6077	254.210,4472
1948	8.519.101,2500	254.217,6903
1949	8.519.119,8924	254.224,9335
1950	8.519.138,5347	254.232,1766
1951	8.519.157,1771	254.239,4197
1952	8.519.175,8194	254.246,6628
1953	8.519.194,4618	254.253,9059
1954	8.519.213,1041	254.261,1491
1955	8.519.231,7465	254.268,3922
1956	8.519.250,3888	254.275,6353
1957	8.519.269,0312	254.282,8784
1958	8.519.287,6735	254.290,1215
1959	8.519.306,3159	254.297,3647
1960	8.519.324,9582	254.304,6078

Alinhamento: Linha Cabaçú
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)

ESTACA	NORTE	ESTE
1961	8.519.343,6006	254.311,8509
1962	8.519.362,2429	254.319,0940
1963	8.519.380,8853	254.326,3371
1964	8.519.399,5276	254.333,5803
1965	8.519.418,1700	254.340,8234
1966	8.519.436,8123	254.348,0665
1967	8.519.455,4547	254.355,3096
1968	8.519.474,0970	254.362,5528
1969	8.519.492,7394	254.369,7959
1970	8.519.511,3817	254.377,0390
1971	8.519.530,0241	254.384,2821
1972	8.519.548,6664	254.391,5252
1973	8.519.567,3088	254.398,7684
1974	8.519.585,9511	254.406,0115
1975	8.519.604,5935	254.413,2546
1976	8.519.623,2358	254.420,4977
1977	8.519.641,8782	254.427,7408
1978	8.519.660,5205	254.434,9840
1979	8.519.679,1629	254.442,2271
1980	8.519.697,8052	254.449,4702
1981	8.519.716,4476	254.456,7133
1982	8.519.735,0899	254.463,9564
1983	8.519.753,7323	254.471,1996
1984	8.519.772,3746	254.478,4427
1985	8.519.791,0170	254.485,6858
1986	8.519.809,6593	254.492,9289
1987	8.519.828,3017	254.500,1721
1988	8.519.846,9440	254.507,4152
1989	8.519.865,5864	254.514,6583
1990	8.519.884,2287	254.521,9014
1991	8.519.902,8711	254.529,1445
1992	8.519.921,5134	254.536,3877
1993	8.519.940,1558	254.543,6308
1994	8.519.958,7981	254.550,8739
1995	8.519.977,4405	254.558,1170
1996	8.519.996,0828	254.565,3601
1997	8.520.014,7252	254.572,6033
1998	8.520.033,3675	254.579,8464
1999	8.520.052,0099	254.587,0895
2000	8.520.070,6522	254.594,3326
2001	8.520.089,2946	254.601,5757
2002	8.520.107,9369	254.608,8189

Alinhamento: Linha Cabaçu		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
2003 PCV31	8.520.126,5793	254.616,0620
2004	8.520.145,2216	254.623,3051
2005	8.520.163,8640	254.630,5482
2006	8.520.182,5063	254.637,7914
2007	8.520.201,1487	254.645,0345
2008	8.520.219,7910	254.652,2776
2009	8.520.238,4334	254.659,5207
2010	8.520.257,0757	254.666,7638
2011	8.520.275,7181	254.674,0070
2012	8.520.294,3604	254.681,2501
2013	8.520.313,0028	254.688,4932
2014	8.520.331,6451	254.695,7363
2015	8.520.350,2875	254.702,9794
2016	8.520.368,9298	254.710,2226
2017	8.520.387,5722	254.717,4657
2018	8.520.406,2145	254.724,7088
2019	8.520.424,8569	254.731,9519
2020	8.520.443,4992	254.739,1950
2021	8.520.462,1416	254.746,4382
2022	8.520.480,7839	254.753,6813
2023	8.520.499,4263	254.760,9244
2024	8.520.518,0686	254.768,1675
2025	8.520.536,7110	254.775,4107
2026	8.520.555,3533	254.782,6538
2027	8.520.573,9957	254.789,8969
2028	8.520.592,6380	254.797,1400
2029	8.520.611,2804	254.804,3831
2030	8.520.629,9227	254.811,6263
2031	8.520.648,5651	254.818,8694
2032	8.520.667,2074	254.826,1125
2033	8.520.685,8498	254.833,3556
2034	8.520.704,4921	254.840,5987
2035	8.520.723,1344	254.847,8419
2036	8.520.741,7768	254.855,0850
2037	8.520.760,4191	254.862,3281
2038	8.520.779,0615	254.869,5712
2039	8.520.797,7038	254.876,8143
2040	8.520.816,3462	254.884,0575
2041	8.520.834,9885	254.891,3006
2042	8.520.853,6309	254.898,5437
2043	8.520.872,2732	254.905,7868
2044	8.520.890,9156	254.913,0300

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
2045	8.520.909,5579	254.920,2731
2046	8.520.928,2003	254.927,5162
2047	8.520.946,8426	254.934,7593
2048	8.520.965,4850	254.942,0024
2049	8.520.984,1273	254.949,2456
2050	8.521.002,7697	254.956,4887
2051	8.521.021,4120	254.963,7318
2052	8.521.040,0544	254.970,9749
2053	8.521.058,6967	254.978,2180
2054	8.521.077,3391	254.985,4612
2055	8.521.095,9814	254.992,7043
2056	8.521.114,6238	254.999,9474
2057	8.521.133,2661	255.007,1905
2058	8.521.151,9085	255.014,4336
2059	8.521.170,5508	255.021,6768
2060	8.521.189,1932	255.028,9199
2061	8.521.207,8355	255.036,1630
2062	8.521.226,4779	255.043,4061
2063 PTV31	8.521.245,1202	255.050,6493
2064	8.521.263,7626	255.057,8924
2065	8.521.282,4049	255.065,1355
2066	8.521.301,0473	255.072,3786
2067	8.521.319,6896	255.079,6217
2068	8.521.338,3320	255.086,8649
2069	8.521.356,9743	255.094,1080
2070	8.521.375,6167	255.101,3511
2071	8.521.394,2590	255.108,5942
2072	8.521.412,9014	255.115,8373
2073	8.521.431,5437	255.123,0805
2074	8.521.450,1861	255.130,3236
2075 PCV32	8.521.468,8284	255.137,5667
2076	8.521.487,4708	255.144,8098
2077	8.521.506,1131	255.152,0529
2078	8.521.524,7555	255.159,2961
2079 PTV32	8.521.543,3978	255.166,5392
2080	8.521.562,0402	255.173,7823
2081	8.521.580,6825	255.181,0254
2082	8.521.599,3249	255.188,2686
2083	8.521.617,9672	255.195,5117
2084	8.521.636,6096	255.202,7548
2085	8.521.655,2519	255.209,9979
2086	8.521.673,8943	255.217,2410

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
2087	8.521.692,5366	255.224,4842
2088	8.521.711,1790	255.231,7273
2089	8.521.729,8213	255.238,9704
2090	8.521.748,4637	255.246,2135
2091	8.521.767,1060	255.253,4566
2092	8.521.785,7484	255.260,6998
2093	8.521.804,3907	255.267,9429
2094	8.521.823,0331	255.275,1860
2095	8.521.841,6754	255.282,4291
2096	8.521.860,3178	255.289,6722
2097	8.521.878,9601	255.296,9154
2098	8.521.897,6025	255.304,1585
2099	8.521.916,2448	255.311,4016
2100	8.521.934,8872	255.318,6447
2101	8.521.953,5295	255.325,8879
2102	8.521.972,1719	255.333,1310
2103	8.521.990,8142	255.340,3741
2104	8.522.009,4566	255.347,6172
2105	8.522.028,0989	255.354,8603
2106	8.522.046,7413	255.362,1035
2107	8.522.065,3836	255.369,3466
2108	8.522.084,0260	255.376,5897
2109	8.522.102,6683	255.383,8328
2110 PCV33	8.522.121,3107	255.391,0759
2111	8.522.139,9530	255.398,3191
2112	8.522.158,5954	255.405,5622
2113	8.522.177,2377	255.412,8053
2114	8.522.195,8801	255.420,0484
2115	8.522.214,5224	255.427,2915
2116 PTV33	8.522.233,1648	255.434,5347
2117	8.522.251,8071	255.441,7778
2118	8.522.270,4495	255.449,0209
2119	8.522.289,0918	255.456,2640
2120	8.522.307,7342	255.463,5072
2121	8.522.326,3765	255.470,7503
2122	8.522.345,0189	255.477,9934
2123	8.522.363,6612	255.485,2365
2124	8.522.382,3036	255.492,4796
2125	8.522.400,9459	255.499,7228
2126	8.522.419,5883	255.506,9659
2127	8.522.438,2306	255.514,2090
2128	8.522.456,8730	255.521,4521

Alinhamento: Linha Cabaçú		
COORDENADAS DO EIXO LOCADO (SIRGAS2000 / FUSO 21)		
ESTACA	NORTE	ESTE
2129	8.522.475,5153	255.528,6952
2130	8.522.494,1577	255.535,9384
2131	8.522.512,8000	255.543,1815
2132	8.522.531,4424	255.550,4246
2133	8.522.550,0847	255.557,6677
2134	8.522.568,7271	255.564,9108
2135	8.522.587,3694	255.572,1540
2136	8.522.606,0118	255.579,3971
2137	8.522.624,6541	255.586,6402
2137+13,891 V34	8.522.637,6019	255.591,6708

7.0 - TERMO DE ENCERRAMENTO

7.0 - TERMO DE ENCERRAMENTO

O presente ***Volume Anexo 3C – Cálculo dos Volumes e Notas de Serviço de Terraplenagem***, que faz parte da Elaboração do Projeto Executivo de Engenharia para Implantação e Pavimentação da Linha Cabaçú, Trecho: BR-364 – Linha Cabaçú (Km 0,00 ao Km 42,75), e Extensão: 42,75 Km, possui **163** (cento e sessenta e três) folhas numericamente ordenadas.