



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

PROJETO EXECUTIVO DE ENGENHARIA
PARA IMPLANTAÇÃO E PAVIMENTAÇÃO

Rodovia : MT-339/248

Trecho : Entr. MT-175(A)(PU São José dos Quatro Marcos) - Entr. MT-170/247(A)

Extensão : 42,60 km

Códigos S.R.E. : 339EMT0070, 339EMT0080, 339EMT0090, 248EMT0030
248EMT0035, 339EMT0110 e 339EMT0120

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

FEVEREIRO/2025

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SINFRACAP202623504A



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Contratante : Secretaria de Estado de Infraestrutura e Logística - SINFRA
Supervisão : Superintendência de Projetos de Obras Rodoviárias - SPOR
Coordenação : Coordenadoria de Análise e Aprovação de Projetos - COPR
Direção : Secretaria Adjunta de Obras Rodoviárias - SAOR
Elaboração : **CONSÓRCIO PROJECTA -FCK**
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VOLUME ANEXO 3C - CÁLCULO DOS VOLUMES E NOTAS DE SERVIÇO
DE TERRAPLENAGEM

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115

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ou=Videoconferência, ou=Certificado
PF A1, cn=HELIO MARQUES DE
ARRUDA:06479812115
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FEVEREIRO/2025



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1.0 - SUMÁRIO

Volume Anexo 3C – Cálculo dos Volumes e Notas de Serviço de Terraplenagem	1	Projeto Executivo de Implantação e Pavimentação da Rodovia MT-339/248
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2.0 - APRESENTAÇÃO



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2.0 - APRESENTAÇÃO

O **Consórcio PROJECTA-FCK**, apresenta a **Secretaria de Estado de Infraestrutura e Logística - SINFRA**, o **Volume Anexo 3C – Cálculo dos Volumes e Notas de Serviço de Terraplenagem**, referente ao Projeto Executivo de Implantação e Pavimentação da Rodovia MT-339/248, Trecho: Entr. MT-175(A)(PU São José dos Quatro Marcos) - Entr. MT-170/247(A), com extensão de 42,60 km.

Este volume contém as notas de serviço de terraplenagem, necessárias e indispensáveis à execução das obras, bem como o cálculo dos volumes de cortes e aterros a executar.

O projeto ao qual pertence este volume é constituído por 9 (nove) volumes descritos a seguir:

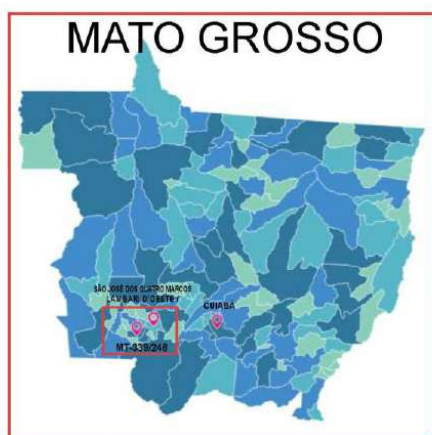
- **Volume 1 – Relatório do Projeto e Documentos para Concorrência;**
- **Volume 2 – Projeto de Execução;**
- **Volume 2.1 – Projeto de Execução (Seções Transversais);**
- **Volume 3 – Memória Justificativa;**
- **Volume Anexo 3A – Estudos Geotécnicos;**
- **Volume Anexo 3C – Cálculo dos Volumes e Notas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

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3.0 - MAPA DE SITUAÇÃO





Coordenadas

Início do Trecho: 15° 37' 0.09" S / 58° 10' 40.49" W
Final do Trecho: 15° 17' 27.96" S / 58° 1' 43.79" W



Rodovia: MT-339/248	PROJETO EXECUTIVO DE ENGENHARIA PARA IMPLANTAÇÃO E PAVIMENTAÇÃO DA RODOVIA MT-339/248
Trecho: Entr. MT-175(A)(PU São José dos Quatro Marcos) - Entr. MT-170/247(A)	
Extensão: 42,60 km	MAPA DE SITUAÇÃO

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4.0 - CÁLCULO DOS VOLUMES DE TERRAPLENAGEM



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
Rodovia : MT-339/248											
0+0,000	4,873	4,873									
1+0,000	8,392	13,265			10,000	132,650	132,650				
2+0,000	9,675	22,940			10,000	180,670	313,320				
3+0,000	10,530	33,470			10,000	202,050	515,370				
4+0,000	9,211	42,681			10,000	197,410	712,780				
5+0,000	9,069	51,750			10,000	182,800	895,580				
6+0,000	6,684	58,434			10,000	157,530	1.053,110				
7+0,000	5,005	63,439			10,000	116,890	1.170,000				
8+0,000	4,018	67,457	0,002	0,002	10,000	90,230	1.260,230	0,020	0,020	0,020	
9+0,000	2,891	70,348	0,205	0,207	10,000	69,090	1.329,320	2,070	2,090	2,070	
10+0,000	2,278	72,626	0,310	0,517	10,000	51,690	1.381,010	5,150	7,240	5,150	
11+0,000	2,514	75,140	0,556	1,073	10,000	47,920	1.428,930	8,660	15,900	8,660	
12+0,000	3,389	78,529	0,003	1,076	10,000	59,030	1.487,960	5,590	21,490	5,590	
13+0,000	4,278	82,807		1,076	10,000	76,670	1.564,630	0,030	21,520	0,030	
14+0,000	5,159	87,966		1,076	10,000	94,370	1.659,000		21,520		
14+18,911	6,072	94,038		1,076	9,456	106,195	1.765,195		21,520		
15+0,000	6,119	100,157		1,076	0,545	6,638	1.771,833		21,520		
16+0,000	7,243	107,400		1,076	10,000	133,620	1.905,453		21,520		
17+0,000	8,627	116,027		1,076	10,000	158,700	2.064,153		21,520		
18+0,000	10,158	126,185		1,076	10,000	187,850	2.252,003		21,520		
19+0,000	10,466	136,651		1,076	10,000	206,240	2.458,243		21,520		
19+9,833	10,415	147,066		1,076	4,917	102,661	2.560,904		21,520		
20+0,000	9,674	156,740		1,076	5,084	102,122	2.663,027		21,520		
21+0,000	5,917	162,657		1,076	10,000	155,910	2.818,937		21,520		
22+0,000	2,434	165,091	0,019	1,095	10,000	83,510	2.902,447	0,190	21,710	0,190	
23+0,000	0,789	165,880	0,173	1,268	10,000	32,230	2.934,677	1,920	23,630	1,920	
23+18,911	0,243	166,123	0,471	1,739	9,456	9,758	2.944,435	6,089	29,719	6,089	
24+0,000	0,245	166,368	0,478	2,217	0,545	0,266	2.944,700	0,517	30,236	0,517	
25+0,000	0,016	166,384	0,774	2,991	10,000	2,610	2.947,310	12,520	42,756	12,520	
26+0,000	0,002	166,386	1,524	4,515	10,000	0,180	2.947,490	22,980	65,736	22,980	
27+0,000	0,014	166,400	1,567	6,082	10,000	0,160	2.947,650	30,910	96,646	30,910	
27+11,102		166,400	2,029	8,111	5,551	0,078	2.947,728	19,961	116,607	19,961	
28+0,000	0,172	166,572	0,709	8,820	4,449	0,765	2.948,493	12,181	128,789	12,181	
29+0,000	1,282	167,854	0,136	8,956	10,000	14,540	2.963,033	8,450	137,239	8,450	
30+0,000	0,731	168,585	0,385	9,341	10,000	20,130	2.983,163	5,210	142,449	5,210	
30+11,750	0,813	169,398	0,438	9,779	5,875	9,071	2.992,234	4,835	147,284	4,835	
31+0,000	1,266	170,664	0,126	9,905	4,125	8,576	3.000,810	2,327	149,610	2,327	
32+0,000	3,572	174,236		9,905	10,000	48,380	3.049,190	1,260	150,870	1,260	
32+12,182	5,983	180,219		9,905	6,091	58,200	3.107,390		150,870		
33+0,000	7,124	187,343		9,905	3,909	51,235	3.158,625		150,870		
34+0,000	10,359	197,702		9,905	10,000	174,830	3.333,455		150,870		
34+12,615	11,596	209,298		9,905	6,308	138,481	3.471,936		150,870		
35+0,000	11,392	220,690		9,905	3,693	84,883	3.556,819		150,870		
36+0,000	7,660	228,350		9,905	10,000	190,520	3.747,339		150,870		
37+0,000	5,298	233,648		9,905	10,000	129,580	3.876,919		150,870		
37+11,102	3,475	237,123	0,115	10,020	5,551	48,699	3.925,618	0,638	151,509	0,638	
38+0,000	3,448	240,571	0,179	10,199	4,449	30,800	3.956,419	1,308	152,817	1,308	
39+0,000	1,835	242,406	0,333	10,532	10,000	52,830	4.009,249	5,120	157,937	5,120	
40+0,000		242,406	3,445	13,977	10,000	18,350	4.027,599	37,780	195,717	37,780	
41+0,000		242,406	8,458	22,435	10,000		4.027,599	119,030	314,747	113,650	5,380
42+0,000		242,406	14,723	37,158	10,000		4.027,599	231,810	546,557	158,400	73,410
42+5,350		242,406	16,589	53,747	2,675		4.027,599	83,760	630,316	42,372	41,388
43+0,000		242,406	24,552	78,299	7,325		4.027,599	301,358	931,674	116,028	185,330
44+0,000		242,406	36,789	115,088	10,000		4.027,599	613,410	1.545,084	158,400	455,010
45+0,000		242,406	38,688	153,776	10,000		4.027,599	754,770	2.299,854	158,400	596,370
46+0,000		242,406	38,264	192,040	10,000		4.027,599	769,520	3.069,374	158,400	611,120
47+0,000		242,406	36,167	228,207	10,000		4.027,599	744,310	3.813,684	158,400	585,910

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
48+0,000		242,406	34,540	262,747	10,000		4.027,599	707,070	4.520,754	158,400	548,670
49+0,000		242,406	46,224	308,971	10,000		4.027,599	807,640	5.328,394	158,400	649,240
50+0,000		242,406	56,067	365,038	10,000		4.027,599	1.022,910	6.351,304	158,400	864,510
51+0,000		242,406	28,338	393,376	10,000		4.027,599	844,050	7.195,354	158,400	685,650
51+5,338		242,406	27,530	420,906	2,669		4.027,599	149,112	7.344,466	42,277	106,835
52+0,000		242,406	23,933	444,839	7,331		4.027,599	377,275	7.721,741	116,123	261,152
52+5,350		242,406	22,443	467,282	2,675		4.027,599	124,056	7.845,797	42,372	81,684
53+0,000		242,406	19,796	487,078	7,325		4.027,599	309,401	8.155,198	116,028	193,373
54+0,000		242,406	15,021	502,099	10,000		4.027,599	348,170	8.503,368	158,400	189,770
55+0,000		242,406	11,325	513,424	10,000		4.027,599	263,460	8.766,828	158,400	105,060
56+0,000	0,781	243,187	6,984	520,408	10,000	7,810	4.035,409	183,090	8.949,918	149,040	34,050
57+0,000	1,109	244,296	3,403	523,811	10,000	18,900	4.054,309	103,870	9.053,788	103,870	
58+0,000	3,006	247,302	0,267	524,078	10,000	41,150	4.095,459	36,700	9.090,488	36,700	
59+0,000	8,644	255,946		524,078	10,000	116,500	4.211,959	2,670	9.093,158	2,670	
60+0,000	16,694	272,640		524,078	10,000	253,380	4.465,339		9.093,158		
61+0,000	23,295	295,935		524,078	10,000	399,890	4.865,229		9.093,158		
62+0,000	27,448	323,383		524,078	10,000	507,430	5.372,659		9.093,158		
63+0,000	29,473	352,856		524,078	10,000	569,210	5.941,869		9.093,158		
64+0,000	30,816	383,672		524,078	10,000	602,890	6.544,759		9.093,158		
65+0,000	29,432	413,104		524,078	10,000	602,480	7.147,239		9.093,158		
66+0,000	29,481	442,585		524,078	10,000	589,130	7.736,369		9.093,158		
67+0,000	27,178	469,763		524,078	10,000	566,590	8.302,959		9.093,158		
68+0,000	25,630	495,393		524,078	10,000	528,080	8.831,039		9.093,158		
69+0,000	26,325	521,718		524,078	10,000	519,550	9.350,589		9.093,158		
70+0,000	24,934	546,652		524,078	10,000	512,590	9.863,179		9.093,158		
71+0,000	23,462	570,114		524,078	10,000	483,960	10.347,139		9.093,158		
72+0,000	17,601	587,715		524,078	10,000	410,630	10.757,769		9.093,158		
73+0,000	10,863	598,578		524,078	10,000	284,640	11.042,409		9.093,158		
74+0,000	4,816	603,394		524,078	10,000	156,790	11.199,199		9.093,158		
75+0,000	0,134	603,528	4,335	528,413	10,000	49,500	11.248,699	43,350	9.136,508	43,350	
76+0,000		603,528	12,839	541,252	10,000	1,340	11.250,039	171,740	9.308,248	122,550	49,190
77+0,000		603,528	19,735	560,987	10,000		11.250,039	325,740	9.633,988	158,400	167,340
78+0,000		603,528	27,591	588,578	10,000		11.250,039	473,260	10.107,248	158,400	314,860
79+0,000		603,528	31,251	619,829	10,000		11.250,039	588,420	10.695,668	158,400	430,020
80+0,000		603,528	32,060	651,889	10,000		11.250,039	633,110	11.328,778	158,400	474,710
81+0,000		603,528	33,703	685,592	10,000		11.250,039	657,630	11.986,408	158,400	499,230
82+0,000		603,528	32,461	718,053	10,000		11.250,039	661,640	12.648,048	158,400	503,240
83+0,000		603,528	31,238	749,291	10,000		11.250,039	636,990	13.285,038	158,400	478,590
84+0,000		603,528	28,037	777,328	10,000		11.250,039	592,750	13.877,788	158,400	434,350
85+0,000		603,528	25,479	802,807	10,000		11.250,039	535,160	14.412,948	158,400	376,760
86+0,000		603,528	22,817	825,624	10,000		11.250,039	482,960	14.895,908	158,400	324,560
86+0,522		603,528	22,726	848,350	0,261		11.250,039	11,887	14.907,794	4,134	7,753
87+0,000		603,528	16,343	864,693	9,739		11.250,039	380,493	15.288,287	154,266	226,227
88+0,000		603,528	13,930	878,623	10,000		11.250,039	302,730	15.591,017	158,400	144,330
89+0,000	0,223	603,751	10,607	889,230	10,000	2,230	11.252,269	245,370	15.836,387	158,400	86,970
90+0,000	0,708	604,459	7,962	897,192	10,000	9,310	11.261,579	185,690	16.022,077	158,400	27,290
91+0,000	0,873	605,332	6,966	904,158	10,000	15,810	11.277,389	149,280	16.171,357	148,860	0,420
92+0,000	1,461	606,793	6,014	910,172	10,000	23,340	11.300,729	129,800	16.301,157	129,800	
93+0,000	2,877	609,670	5,838	916,010	10,000	43,380	11.344,109	118,520	16.419,677	118,520	
94+0,000	4,181	613,851	4,686	920,696	10,000	70,580	11.414,689	105,240	16.524,917	105,240	
95+0,000	1,878	615,729	5,871	926,567	10,000	60,590	11.475,279	105,570	16.630,487	105,570	
96+0,000	0,195	615,924	6,277	932,844	10,000	20,730	11.496,009	121,480	16.751,967	121,480	
96+0,522	0,171	616,095	6,314	939,158	0,261	0,096	11.496,104	3,286	16.755,254	3,286	
97+0,000	1,470	617,565	2,167	941,325	9,739	15,982	11.512,086	82,596	16.837,850	82,596	
98+0,000	0,126	617,691	2,189	943,514	10,000	15,960	11.528,046	43,560	16.881,410	43,560	
99+0,000	0,371	618,062	2,605	946,119	10,000	4,970	11.533,016	47,940	16.929,350	47,940	
99+12,123	0,409	618,471	2,320	948,439	6,062	4,728	11.537,744	29,853	16.959,203	29,853	
100+0,000	0,565	619,036	1,546	949,985	3,939	3,836	11.541,580	15,226	16.974,429	15,226	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
101+0,000	2,486	621,522	0,057	950,042	10,000	30,510	11.572,090	16,030	16.990,459	16,030	
102+0,000	2,667	624,189		950,042	10,000	51,530	11.623,620	0,570	16.991,029	0,570	
103+0,000	3,054	627,243	0,104	950,146	10,000	57,210	11.680,830	1,040	16.992,069	1,040	
104+0,000	1,828	629,071	0,073	950,219	10,000	48,820	11.729,650	1,770	16.993,839	1,770	
105+0,000	4,259	633,330	0,215	950,434	10,000	60,870	11.790,520	2,880	16.996,719	2,880	
106+0,000	6,928	640,258		950,434	10,000	111,870	11.902,390	2,150	16.998,869	2,150	
107+0,000	9,712	649,970		950,434	10,000	166,400	12.068,790		16.998,869		
107+19,944	11,616	661,586		950,434	9,972	212,683	12.281,473		16.998,869		
108+0,000	11,624	673,210		950,434	0,028	0,651	12.282,123		16.998,869		
109+0,000	9,350	682,560		950,434	10,000	209,740	12.491,863		16.998,869		
110+0,000	1,693	684,253		950,434	10,000	110,430	12.602,293		16.998,869		
111+0,000		684,253	7,705	958,139	10,000	16,930	12.619,223	77,050	17.075,919	77,050	
112+0,000		684,253	14,709	972,848	10,000		12.619,223	224,140	17.300,059	156,250	67,890
113+0,000		684,253	18,931	991,779	10,000		12.619,223	336,400	17.636,459	158,400	178,000
114+0,000		684,253	17,812	1.009,591	10,000		12.619,223	367,430	18.003,889	158,400	209,030
114+12,123		684,253	15,864	1.025,455	6,062		12.619,223	204,127	18.208,016	96,014	108,113
115+0,000		684,253	14,012	1.039,467	3,939		12.619,223	117,667	18.325,683	62,386	55,281
116+0,000		684,253	10,731	1.050,198	10,000		12.619,223	247,430	18.573,113	158,400	89,030
117+0,000		684,253	7,884	1.058,082	10,000		12.619,223	186,150	18.759,263	158,040	28,110
118+0,000	0,092	684,345	3,127	1.061,209	10,000	0,920	12.620,143	110,110	18.869,373	110,110	
119+0,000	3,000	687,345	0,023	1.061,232	10,000	30,920	12.651,063	31,500	18.900,873	31,500	
120+0,000	9,591	696,936		1.061,232	10,000	125,910	12.776,973	0,230	18.901,103	0,230	
121+0,000	15,970	712,906		1.061,232	10,000	255,610	13.032,583		18.901,103		
122+0,000	23,352	736,258		1.061,232	10,000	393,220	13.425,803		18.901,103		
123+0,000	30,172	766,430		1.061,232	10,000	535,240	13.961,043		18.901,103		
124+0,000	37,330	803,760		1.061,232	10,000	675,020	14.636,063		18.901,103		
125+0,000	39,887	843,647		1.061,232	10,000	772,170	15.408,233		18.901,103		
126+0,000	37,810	881,457		1.061,232	10,000	776,970	16.185,203		18.901,103		
127+0,000	31,247	912,704		1.061,232	10,000	690,570	16.875,773		18.901,103		
128+0,000	24,922	937,626		1.061,232	10,000	561,690	17.437,463		18.901,103		
129+0,000	17,154	954,780		1.061,232	10,000	420,760	17.858,223		18.901,103		
130+0,000	9,061	963,841		1.061,232	10,000	262,150	18.120,373		18.901,103		
131+0,000	2,173	966,014	0,012	1.061,244	10,000	112,340	18.232,713	0,120	18.901,223	0,120	
132+0,000		966,014	6,861	1.068,105	10,000	21,730	18.254,443	68,730	18.969,953	68,730	
133+0,000		966,014	13,094	1.081,199	10,000		18.254,443	199,550	19.169,503	147,810	51,740
134+0,000		966,014	19,280	1.100,479	10,000		18.254,443	323,740	19.493,243	158,400	165,340
135+0,000		966,014	25,132	1.125,611	10,000		18.254,443	444,120	19.937,363	158,400	285,720
136+0,000		966,014	31,040	1.156,651	10,000		18.254,443	561,720	20.499,083	158,400	403,320
137+0,000		966,014	35,029	1.191,680	10,000		18.254,443	660,690	21.159,773	158,400	502,290
138+0,000		966,014	38,344	1.230,024	10,000		18.254,443	733,730	21.893,503	158,400	575,330
139+0,000		966,014	40,859	1.270,883	10,000		18.254,443	792,030	22.685,533	158,400	633,630
140+0,000		966,014	44,758	1.315,641	10,000		18.254,443	856,170	23.541,703	158,400	697,770
140+2,571		966,014	45,367	1.361,008	1,286		18.254,443	115,856	23.657,559	20,362	95,494
141+0,000		966,014	47,829	1.408,837	8,715		18.254,443	812,157	24.469,715	138,038	674,119
142+0,000		966,014	66,200	1.475,037	10,000		18.254,443	1.140,290	25.610,005	158,400	981,890
143+0,000		966,014	49,628	1.524,665	10,000		18.254,443	1.158,280	26.768,285	158,400	999,880
144+0,000		966,014	46,844	1.571,509	10,000		18.254,443	964,720	27.733,005	158,400	806,320
145+0,000		966,014	45,389	1.616,898	10,000		18.254,443	922,330	28.655,335	158,400	763,930
146+0,000		966,014	45,858	1.662,756	10,000		18.254,443	912,470	29.567,805	158,400	754,070
147+0,000		966,014	44,815	1.707,571	10,000		18.254,443	906,730	30.474,535	158,400	748,330
148+0,000		966,014	44,207	1.751,778	10,000		18.254,443	890,220	31.364,755	158,400	731,820
149+0,000		966,014	43,084	1.794,862	10,000		18.254,443	872,910	32.237,665	158,400	714,510
150+0,000		966,014	40,991	1.835,853	10,000		18.254,443	840,750	33.078,415	158,400	682,350
151+0,000		966,014	29,179	1.865,032	10,000		18.254,443	701,700	33.780,115	158,400	543,300
152+0,000		966,014	24,257	1.889,289	10,000		18.254,443	534,360	34.314,475	158,400	375,960
153+0,000		966,014	14,678	1.903,967	10,000		18.254,443	389,350	34.703,825	158,400	230,950
154+0,000		966,014	10,906	1.914,873	10,000		18.254,443	255,840	34.959,665	158,400	97,440
155+0,000		966,014	10,928	1.925,801	10,000		18.254,443	218,340	35.178,005	158,400	59,940

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
155+2,571		966,014	10,067	1.935,868	1,286		18.254,443	26,989	35.204,994	20,362	6,627
156+0,000		966,014	8,112	1.943,980	8,715		18.254,443	158,421	35.363,415	138,038	20,383
156+18,423		966,014	7,250	1.951,230	9,212		18.254,443	141,507	35.504,922	139,738	1,769
157+0,000		966,014	7,013	1.958,243	0,789		18.254,443	11,246	35.516,169	11,246	
158+0,000		966,014	5,495	1.963,738	10,000		18.254,443	125,080	35.641,249	125,080	
159+0,000		966,014	5,355	1.969,093	10,000		18.254,443	108,500	35.749,749	108,500	
160+0,000		966,014	5,684	1.974,777	10,000		18.254,443	110,390	35.860,139	110,390	
161+0,000		966,014	6,871	1.981,648	10,000		18.254,443	125,550	35.985,689	125,550	
162+0,000		966,014	7,421	1.989,069	10,000		18.254,443	142,920	36.128,609	142,920	
163+0,000		966,014	7,257	1.996,326	10,000		18.254,443	146,780	36.275,389	146,780	
164+0,000		966,014	5,592	2.001,918	10,000		18.254,443	128,490	36.403,879	128,490	
165+0,000		966,014	2,997	2.004,915	10,000		18.254,443	85,890	36.489,769	85,890	
166+0,000	0,164	966,178	1,714	2.006,629	10,000	1,640	18.256,083	47,110	36.536,879	47,110	
167+0,000	0,453	966,631	0,473	2.007,102	10,000	6,170	18.262,253	21,870	36.558,749	21,870	
168+0,000	1,862	968,493	0,061	2.007,163	10,000	23,150	18.285,403	5,340	36.564,089	5,340	
169+0,000	0,673	969,166	0,605	2.007,768	10,000	25,350	18.310,753	6,660	36.570,749	6,660	
170+0,000	0,502	969,668	2,559	2.010,327	10,000	11,750	18.322,503	31,640	36.602,389	31,640	
170+3,466	0,689	970,357	2,774	2.013,101	1,733	2,064	18.324,568	9,242	36.611,631	9,242	
171+0,000	0,761	971,118	3,443	2.016,544	8,267	11,987	18.336,555	51,396	36.663,027	51,396	
171+18,423	0,387	971,505	4,696	2.021,240	9,212	10,575	18.347,129	74,972	36.737,999	74,972	
172+0,000	0,394	971,899	4,701	2.025,941	0,789	0,616	18.347,745	7,410	36.745,409	7,410	
173+0,000	0,625	972,524	4,599	2.030,540	10,000	10,190	18.357,935	93,000	36.838,409	93,000	
174+0,000	0,660	973,184	5,020	2.035,560	10,000	12,850	18.370,785	96,190	36.934,599	96,190	
175+0,000		973,184	6,233	2.041,793	10,000	6,600	18.377,385	112,530	37.047,129	112,530	
176+0,000		973,184	7,668	2.049,461	10,000		18.377,385	139,010	37.186,139	139,010	
177+0,000		973,184	9,250	2.058,711	10,000		18.377,385	169,180	37.355,319	155,880	13,300
178+0,000		973,184	9,092	2.067,803	10,000		18.377,385	183,420	37.538,739	158,400	25,020
179+0,000		973,184	10,490	2.078,293	10,000		18.377,385	195,820	37.734,559	158,400	37,420
180+0,000		973,184	10,947	2.089,240	10,000		18.377,385	214,370	37.948,929	158,400	55,970
180+19,863		973,184	10,494	2.099,734	9,932		18.377,385	212,941	38.161,870	157,315	55,626
181+0,000		973,184	10,488	2.110,222	0,069		18.377,385	1,437	38.163,307	1,085	0,352
182+0,000		973,184	10,362	2.120,584	10,000		18.377,385	208,500	38.371,807	158,400	50,100
182+12,097		973,184	11,515	2.132,099	6,049		18.377,385	132,323	38.504,130	95,808	36,515
183+0,000		973,184	12,462	2.144,561	3,952		18.377,385	94,745	38.598,875	62,592	32,153
184+0,000		973,184	14,435	2.158,996	10,000		18.377,385	268,970	38.867,845	158,400	110,570
185+0,000		973,184	16,126	2.175,122	10,000		18.377,385	305,610	39.173,455	158,400	147,210
186+0,000		973,184	13,081	2.188,203	10,000		18.377,385	292,070	39.465,525	158,400	133,670
187+0,000		973,184	12,509	2.200,712	10,000		18.377,385	255,900	39.721,425	158,400	97,500
188+0,000		973,184	10,475	2.211,187	10,000		18.377,385	229,840	39.951,265	158,400	71,440
189+0,000		973,184	8,702	2.219,889	10,000		18.377,385	191,770	40.143,035	158,400	33,370
190+0,000	0,186	973,370	3,960	2.223,849	10,000	1,860	18.379,245	126,620	40.269,655	118,800	7,820
190+19,863	1,734	975,104	1,317	2.225,166	9,932	19,068	18.398,314	52,409	40.322,064	52,409	
191+0,000	1,750	976,854	1,293	2.226,459	0,069	0,239	18.398,552	0,179	40.322,243	0,179	
191+16,943	4,060	980,914	0,045	2.228,504	8,472	49,219	18.447,772	11,335	40.333,577	11,335	
192+0,000	4,927	985,841	0,001	2.226,505	1,529	13,737	18.461,508	0,070	40.333,648	0,070	
193+0,000	10,244	996,085		2.226,505	10,000	151,710	18.613,218	0,010	40.333,658	0,010	
194+0,000	11,288	1.007,373		2.226,505	10,000	215,320	18.828,538		40.333,658		
195+0,000	11,691	1.019,064		2.226,505	10,000	229,790	19.058,328		40.333,658		
196+0,000	18,536	1.037,600		2.226,505	10,000	302,270	19.360,598		40.333,658		
197+0,000	6,067	1.043,667		2.226,505	10,000	246,030	19.606,628		40.333,658		
198+0,000	0,782	1.044,449	1,030	2.227,535	10,000	68,490	19.675,118	10,300	40.343,958	10,300	
199+0,000	0,221	1.044,670	4,988	2.232,523	10,000	10,030	19.685,148	60,180	40.404,138	60,180	
200+0,000		1.044,670	9,119	2.241,642	10,000	2,210	19.687,358	141,070	40.545,208	129,080	11,990
201+0,000		1.044,670	11,791	2.253,433	10,000		19.687,358	209,100	40.754,308	158,400	50,700
201+6,997		1.044,670	12,881	2.266,314	3,499		19.687,358	86,315	40.840,623	55,416	30,899
201+16,943		1.044,670	14,059	2.280,373	4,973		19.687,358	133,973	40.974,595	78,772	55,201
202+0,000		1.044,670	14,226	2.294,599	1,529		19.687,358	43,234	41.017,829	24,211	19,023
203+0,000		1.044,670	15,063	2.309,662	10,000		19.687,358	292,890	41.310,719	158,400	134,490

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C. Acum. (m³)	Vol. Aterro (m³)	Vol. A. Acum. (m³)	100% PI	100% PN
204+0,000		1.044,670	16,100	2.325,762	10,000		19.687,358	311,630	41.622,349	158,400	153,230
205+0,000		1.044,670	15,499	2.341,261	10,000		19.687,358	315,990	41.938,339	158,400	157,590
206+0,000		1.044,670	14,194	2.355,455	10,000		19.687,358	296,930	42.235,269	158,400	138,530
207+0,000		1.044,670	12,021	2.367,476	10,000		19.687,358	262,150	42.497,419	158,400	103,750
208+0,000		1.044,670	9,945	2.377,421	10,000		19.687,358	219,660	42.717,079	158,400	61,260
209+0,000		1.044,670	7,271	2.384,692	10,000		19.687,358	172,160	42.889,239	151,910	20,250
209+12,679		1.044,670	5,547	2.390,239	6,340		19.687,358	81,260	42.970,499	81,260	
210+0,000	0,035	1.044,705	4,764	2.395,003	3,661	0,128	19.687,487	37,743	43.008,242	37,743	
210+4,916		1.044,705	4,455	2.399,458	2,458	0,086	19.687,573	22,660	43.030,902	22,660	
210+17,154	0,107	1.044,812	2,788	2.402,246	6,119	0,655	19.688,227	44,320	43.075,222	44,320	
211+0,000	0,189	1.045,001	2,455	2.404,701	1,423	0,421	19.688,649	7,461	43.082,683	7,461	
212+0,000	0,603	1.045,604	0,727	2.405,428	10,000	7,920	19.696,569	31,820	43.114,503	31,820	
213+0,000	1,812	1.047,416	0,035	2.405,463	10,000	24,150	19.720,719	7,620	43.122,123	7,620	
214+0,000	4,310	1.051,726		2.405,463	10,000	61,220	19.781,939	0,350	43.122,473	0,350	
215+0,000	4,382	1.056,108		2.405,463	10,000	86,920	19.868,859		43.122,473		
216+0,000	4,768	1.060,876		2.405,463	10,000	91,500	19.960,359		43.122,473		
217+0,000	4,516	1.065,392		2.405,463	10,000	92,840	20.053,199		43.122,473		
218+0,000	1,103	1.066,495	0,195	2.405,658	10,000	56,190	20.109,389	1,950	43.124,423	1,950	
219+0,000	0,878	1.067,373	0,469	2.406,127	10,000	19,810	20.129,199	6,640	43.131,063	6,640	
220+0,000	0,114	1.067,487	1,823	2.407,950	10,000	9,920	20.139,119	22,920	43.153,983	22,920	
221+0,000	0,106	1.067,593	3,494	2.411,444	10,000	2,200	20.141,319	53,170	43.207,153	53,170	
222+0,000		1.067,593	5,678	2.417,122	10,000	1,060	20.142,379	91,720	43.298,873	91,720	
223+0,000		1.067,593	7,060	2.424,182	10,000		20.142,379	127,380	43.426,253	127,380	
224+0,000		1.067,593	8,969	2.433,151	10,000		20.142,379	160,290	43.586,543	149,800	10,490
225+0,000		1.067,593	10,401	2.443,552	10,000		20.142,379	193,700	43.780,243	158,400	35,300
226+0,000		1.067,593	10,929	2.454,481	10,000		20.142,379	213,300	43.993,543	158,400	54,900
227+0,000		1.067,593	10,106	2.464,587	10,000		20.142,379	210,350	44.203,893	158,400	51,950
228+0,000		1.067,593	7,886	2.472,473	10,000		20.142,379	179,920	44.383,813	158,060	21,860
229+0,000		1.067,593	6,187	2.478,660	10,000		20.142,379	140,730	44.524,543	140,730	
230+0,000		1.067,593	3,091	2.481,751	10,000		20.142,379	92,780	44.617,323	92,780	
231+0,000	0,446	1.068,039	0,337	2.482,088	10,000	4,460	20.146,839	34,280	44.651,603	34,280	
232+0,000	4,917	1.072,956		2.482,088	10,000	53,630	20.200,469	3,370	44.654,973	3,370	
233+0,000	9,176	1.082,132		2.482,088	10,000	140,930	20.341,399		44.654,973		
234+0,000	12,028	1.094,160		2.482,088	10,000	212,040	20.553,439		44.654,973		
235+0,000	15,785	1.109,945		2.482,088	10,000	278,130	20.831,569		44.654,973		
236+0,000	14,533	1.124,478		2.482,088	10,000	303,180	21.134,749		44.654,973		
237+0,000	10,083	1.134,561		2.482,088	10,000	246,160	21.380,909		44.654,973		
238+0,000	5,303	1.139,864		2.482,088	10,000	153,860	21.534,769		44.654,973		
239+0,000	1,679	1.141,543	0,885	2.482,973	10,000	69,820	21.604,589	8,850	44.663,823	8,850	
240+0,000	0,603	1.142,146	3,346	2.486,319	10,000	22,820	21.627,409	42,310	44.706,133	42,310	
241+0,000	0,526	1.142,672	5,976	2.492,295	10,000	11,290	21.638,699	93,220	44.799,353	93,220	
242+0,000	0,181	1.142,853	8,149	2.500,444	10,000	7,070	21.645,769	141,250	44.940,603	138,960	2,290
242+18,752		1.142,853	14,771	2.515,215	9,376	1,697	21.647,466	214,898	45.155,501	148,516	66,382
243+0,000		1.142,853	14,828	2.530,043	0,624		21.647,466	18,470	45.173,971	9,884	8,586
244+0,000		1.142,853	8,376	2.538,419	10,000		21.647,466	232,040	45.406,011	158,400	73,640
245+0,000	0,795	1.143,648	2,798	2.541,217	10,000	7,950	21.655,416	111,740	45.517,751	107,180	4,560
246+0,000	5,321	1.148,969		2.541,217	10,000	61,160	21.716,576	27,980	45.545,731	27,980	
247+0,000	15,116	1.164,085		2.541,217	10,000	204,370	21.920,946		45.545,731		
248+0,000	25,615	1.189,700		2.541,217	10,000	407,310	22.328,256		45.545,731		
249+0,000	28,851	1.218,551		2.541,217	10,000	544,660	22.872,916		45.545,731		
250+0,000	27,960	1.246,511		2.541,217	10,000	568,110	23.441,026		45.545,731		
250+18,752	15,819	1.262,330		2.541,217	9,376	410,472	23.851,497		45.545,731		
251+0,000	15,209	1.277,539		2.541,217	0,624	19,361	23.870,859		45.545,731		
252+0,000	6,993	1.284,532	0,100	2.541,317	10,000	222,020	24.092,879	1,000	45.546,731	1,000	
252+10,652	4,076	1.288,608	1,068	2.542,385	5,326	58,953	24.151,832	6,221	45.552,952	6,221	
253+0,000	3,336	1.291,944	3,748	2.546,133	4,674	34,644	24.186,476	22,510	45.575,462	22,510	
254+0,000		1.291,944	11,520	2.557,653	10,000	33,360	24.219,836	152,680	45.728,142	116,680	36,000
255+0,000		1.291,944	18,187	2.575,840	10,000		24.219,836	297,070	46.025,212	158,400	138,670

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
256+0,000		1.291,944	25,121	2.600,961	10,000		24.219,836	433,080	46.458,292	158,400	274,680
257+0,000		1.291,944	36,856	2.637,817	10,000		24.219,836	619,770	47.078,062	158,400	461,370
258+0,000		1.291,944	20,645	2.658,462	10,000		24.219,836	575,010	47.653,072	158,400	416,610
259+0,000		1.291,944	15,231	2.673,693	10,000		24.219,836	358,760	48.011,832	158,400	200,360
260+0,000	0,632	1.292,576	8,055	2.681,748	10,000	6,320	24.226,156	232,860	48.244,692	158,400	74,460
260+10,652	2,440	1.295,016	4,490	2.686,238	5,326	16,361	24.242,518	66,815	48.311,506	66,096	0,719
261+0,000	3,735	1.298,751	2,249	2.688,487	4,674	28,862	24.271,380	31,498	48.343,004	31,498	
262+0,000	6,128	1.304,879		2.688,487	10,000	98,630	24.370,010	22,490	48.365,494	22,490	
263+0,000	9,581	1.314,460		2.688,487	10,000	157,090	24.527,100		48.365,494		
264+0,000	3,351	1.317,811	1,059	2.689,546	10,000	129,320	24.656,420	10,590	48.376,084	10,590	
265+0,000	1,365	1.319,176	4,997	2.694,543	10,000	47,160	24.703,580	60,560	48.436,644	60,560	
266+0,000	0,155	1.319,331	10,964	2.705,507	10,000	15,200	24.718,780	159,610	48.596,254	129,170	30,440
267+0,000	0,043	1.319,374	13,605	2.719,112	10,000	1,980	24.720,760	245,690	48.841,944	158,400	87,290
268+0,000		1.319,374	18,405	2.737,517	10,000	0,430	24.721,190	320,100	49.162,044	158,400	161,700
269+0,000		1.319,374	23,594	2.761,111	10,000		24.721,190	419,990	49.582,034	158,400	261,590
270+0,000		1.319,374	25,972	2.787,083	10,000		24.721,190	495,660	50.077,694	158,400	337,260
271+0,000		1.319,374	26,274	2.813,357	10,000		24.721,190	522,460	50.600,154	158,400	364,060
272+0,000		1.319,374	21,904	2.835,261	10,000		24.721,190	481,780	51.081,934	158,400	323,380
273+0,000		1.319,374	25,068	2.860,329	10,000		24.721,190	469,720	51.551,654	158,400	311,320
274+0,000		1.319,374	19,049	2.879,378	10,000		24.721,190	441,170	51.992,824	158,400	282,770
274+17,610		1.319,374	17,978	2.897,356	8,805		24.721,190	326,023	52.318,847	139,471	186,552
275+0,000		1.319,374	17,550	2.914,906	1,195		24.721,190	42,456	52.361,303	18,929	23,527
275+11,438		1.319,374	15,000	2.929,906	5,719		24.721,190	186,153	52.547,456	90,589	95,564
276+0,000		1.319,374	12,611	2.942,517	4,281		24.721,190	118,203	52.665,659	67,811	50,392
277+0,000		1.319,374	7,584	2.950,101	10,000		24.721,190	201,950	52.867,609	155,040	46,910
278+0,000		1.319,374	5,848	2.955,949	10,000		24.721,190	134,320	53.001,929	134,320	
279+0,000	0,405	1.319,779	4,252	2.960,201	10,000	4,050	24.725,240	101,000	53.102,929	101,000	
280+0,000	0,176	1.319,955	3,918	2.964,119	10,000	5,810	24.731,050	81,700	53.184,629	81,700	
281+0,000	1,863	1.321,818	3,613	2.967,732	10,000	20,390	24.751,440	75,310	53.259,939	75,310	
282+0,000	3,994	1.325,812	2,917	2.970,649	10,000	58,570	24.810,010	65,300	53.325,239	65,300	
283+0,000	3,038	1.328,850	2,482	2.973,131	10,000	70,320	24.880,330	53,990	53.379,229	53,990	
284+0,000	4,559	1.333,409	2,821	2.975,952	10,000	75,970	24.956,300	53,030	53.432,259	53,030	
284+16,322	6,932	1.340,341	2,001	2.977,953	8,161	93,778	25.050,078	39,352	53.471,611	39,352	
284+17,610	7,419	1.347,760	2,077	2.980,030	0,644	9,242	25.059,320	2,626	53.474,238	2,626	
284+18,275	7,593	1.355,353	2,120	2.982,150	0,333	4,999	25.064,319	1,398	53.475,635	1,398	
285+0,000	4,916	1.360,269	2,242	2.984,392	0,863	10,789	25.075,108	3,762	53.479,398	3,762	
286+0,000	3,978	1.364,247	4,804	2.989,196	10,000	88,940	25.164,048	70,460	53.549,858	70,460	
287+0,000	2,404	1.366,651	6,691	2.995,887	10,000	63,820	25.227,868	114,950	53.664,808	114,950	
287+12,265	1,919	1.368,570	6,033	3.001,920	6,133	26,511	25.254,378	78,030	53.742,837	78,030	
288+0,000	1,733	1.370,303	5,206	3.007,126	3,868	14,124	25.268,503	43,467	53.786,304	43,467	
289+0,000	0,770	1.371,073	4,169	3.011,295	10,000	25,030	25.293,533	93,750	53.880,054	93,750	
290+0,000	0,387	1.371,460	6,761	3.018,056	10,000	11,570	25.305,103	109,300	53.989,354	109,300	
290+8,207	0,457	1.371,917	6,815	3.024,871	4,104	3,463	25.308,566	55,709	54.045,063	55,709	
291+0,000	0,611	1.372,528	5,886	3.030,757	5,897	6,297	25.314,863	74,891	54.119,955	74,891	
291+18,275	1,234	1.373,762	1,749	3.032,506	9,138	16,859	25.331,722	69,765	54.189,720	69,765	
292+0,000	1,342	1.375,104	1,452	3.033,958	0,863	2,222	25.333,944	2,761	54.192,481	2,761	
293+0,000	3,231	1.378,335		3.033,958	10,000	45,730	25.379,674	14,520	54.207,001	14,520	
294+0,000	1,851	1.380,186	0,487	3.034,445	10,000	50,820	25.430,494	4,870	54.211,871	4,870	
295+0,000	3,894	1.384,080	0,484	3.034,929	10,000	57,450	25.487,944	9,710	54.221,581	9,710	
296+0,000	8,075	1.392,155		3.034,929	10,000	119,690	25.607,634	4,840	54.226,421	4,840	
297+0,000	11,492	1.403,647		3.034,929	10,000	195,670	25.803,304		54.226,421		
297+6,418	10,314	1.413,961		3.034,929	3,209	69,975	25.873,279		54.226,421		
298+0,000	8,528	1.422,489		3.034,929	6,791	127,956	26.001,235		54.226,421		
299+0,000	6,054	1.428,543		3.034,929	10,000	145,820	26.147,055		54.226,421		
300+0,000	4,110	1.432,653		3.034,929	10,000	101,640	26.248,695		54.226,421		
300+2,509	4,030	1.436,683		3.034,929	1,255	10,212	26.258,907		54.226,421		
301+0,000	4,444	1.441,127		3.034,929	8,746	74,109	26.333,016		54.226,421		
302+0,000	8,401	1.449,528		3.034,929	10,000	128,450	26.461,466		54.226,421		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
302+6,296	9,879	1.459,407		3.034,929	3,148	57,545	26.519,012		54.226,421		
303+0,000	13,192	1.472,599		3.034,929	6,852	158,082	26.677,094		54.226,421		
303+4,208	12,729	1.485,328		3.034,929	2,104	54,538	26.731,632		54.226,421		
304+0,000	8,380	1.493,708		3.034,929	7,896	166,677	26.898,309		54.226,421		
305+0,000	3,342	1.497,050	1,832	3.036,761	10,000	117,220	27.015,529	18,320	54.244,741	18,320	
306+0,000	3,703	1.500,753	1,129	3.037,890	10,000	70,450	27.085,979	29,610	54.274,351	29,610	
306+5,907	3,483	1.504,236	0,779	3.038,669	2,954	21,224	27.107,203	5,635	54.279,986	5,635	
307+0,000	1,939	1.506,175	1,229	3.039,898	7,047	38,206	27.145,409	14,149	54.294,135	14,149	
308+0,000	0,501	1.506,676	2,493	3.042,391	10,000	24,400	27.169,809	37,220	54.331,355	37,220	
309+0,000		1.506,676	3,175	3.045,566	10,000	5,010	27.174,819	56,680	54.388,035	56,680	
309+6,418		1.506,676	3,461	3.049,027	3,209		27.174,819	21,295	54.409,330	21,295	
310+0,000	0,011	1.506,687	3,823	3.052,850	6,791	0,075	27.174,893	49,466	54.458,796	49,466	
311+0,000		1.506,687	3,464	3.056,314	10,000	0,110	27.175,003	72,870	54.531,666	72,870	
312+0,000	0,198	1.506,885	1,919	3.058,233	10,000	1,980	27.176,983	53,830	54.585,496	53,830	
313+0,000	0,625	1.507,510	0,697	3.058,930	10,000	8,230	27.185,213	26,160	54.611,656	26,160	
314+0,000	2,311	1.509,821	0,067	3.058,997	10,000	29,360	27.214,573	7,640	54.619,296	7,640	
315+0,000	1,476	1.511,297	0,911	3.059,908	10,000	37,870	27.252,443	9,780	54.629,076	9,780	
316+0,000	2,305	1.513,602	3,144	3.063,052	10,000	37,810	27.290,253	40,550	54.669,626	40,550	
317+0,000	0,003	1.513,605	8,078	3.071,130	10,000	23,080	27.313,333	112,220	54.781,846	110,640	1,580
317+15,938	1,329	1.514,934	7,284	3.078,414	7,969	10,615	27.323,948	122,420	54.904,266	121,161	1,259
318+0,000	1,008	1.515,942	7,691	3.086,105	2,031	4,746	27.328,695	30,414	54.934,680	30,414	
319+0,000		1.515,942	11,303	3.097,408	10,000	10,080	27.338,775	189,940	55.124,620	156,110	33,830
320+0,000	0,019	1.515,961	12,711	3.110,119	10,000	0,190	27.338,965	240,140	55.364,760	158,400	81,740
321+0,000		1.515,961	13,318	3.123,437	10,000	0,190	27.339,155	260,290	55.625,050	158,400	101,890
322+0,000		1.515,961	14,316	3.137,753	10,000		27.339,155	276,340	55.901,390	158,400	117,940
323+0,000		1.515,961	14,926	3.152,679	10,000		27.339,155	292,420	56.193,810	158,400	134,020
324+0,000		1.515,961	12,457	3.165,136	10,000		27.339,155	273,830	56.467,640	158,400	115,430
324+15,938		1.515,961	8,689	3.173,825	7,969		27.339,155	168,512	56.636,152	126,229	42,283
325+0,000		1.515,961	6,230	3.180,055	2,031		27.339,155	30,300	56.666,453	28,739	1,561
326+0,000	0,053	1.516,014	2,195	3.182,250	10,000	0,530	27.339,685	84,250	56.750,703	84,250	
327+0,000	0,599	1.516,613	3,646	3.185,896	10,000	6,520	27.346,205	58,410	56.809,113	58,410	
328+0,000	1,370	1.517,983	1,438	3.187,334	10,000	19,690	27.365,895	50,840	56.859,953	50,840	
329+0,000	1,384	1.519,367	2,446	3.189,780	10,000	27,540	27.393,435	38,840	56.898,793	38,840	
330+0,000	3,914	1.523,281	0,348	3.190,128	10,000	52,980	27.446,415	27,940	56.926,733	27,940	
331+0,000	5,939	1.529,220	0,846	3.190,974	10,000	98,530	27.544,945	11,940	56.938,673	11,940	
332+0,000	9,292	1.538,512		3.190,974	10,000	152,310	27.697,255	8,460	56.947,133	8,460	
333+0,000	12,803	1.551,315		3.190,974	10,000	220,950	27.918,205		56.947,133		
334+0,000	8,781	1.560,096		3.190,974	10,000	215,840	28.134,045		56.947,133		
335+0,000	6,394	1.566,490	2,267	3.193,241	10,000	151,750	28.285,795	22,670	56.969,803	22,670	
336+0,000	7,637	1.574,127	0,711	3.193,952	10,000	140,310	28.426,105	29,780	56.999,583	29,780	
337+0,000	9,080	1.583,207		3.193,952	10,000	167,170	28.593,275	7,110	57.006,693	7,110	
338+0,000	6,404	1.589,611		3.193,952	10,000	154,840	28.748,115		57.006,693		
339+0,000	6,947	1.596,558		3.193,952	10,000	133,510	28.881,625		57.006,693		
340+0,000	2,529	1.599,087	0,039	3.193,991	10,000	94,760	28.976,385	0,390	57.007,083	0,390	
341+0,000	0,059	1.599,146	2,862	3.196,853	10,000	25,880	29.002,265	29,010	57.036,093	29,010	
342+0,000		1.599,146	7,384	3.204,237	10,000	0,590	29.002,855	102,460	57.138,553	102,460	
343+0,000		1.599,146	11,281	3.215,518	10,000		29.002,855	186,650	57.325,203	153,040	33,610
344+0,000		1.599,146	13,449	3.228,967	10,000		29.002,855	247,300	57.572,503	158,400	88,900
345+0,000		1.599,146	14,437	3.243,404	10,000		29.002,855	278,860	57.851,363	158,400	120,460
346+0,000		1.599,146	14,592	3.257,996	10,000		29.002,855	290,290	58.141,653	158,400	131,890
347+0,000		1.599,146	16,225	3.274,221	10,000		29.002,855	308,170	58.449,823	158,400	149,770
347+13,534		1.599,146	14,954	3.289,175	6,767		29.002,855	210,988	58.660,811	107,189	103,799
348+0,000		1.599,146	14,120	3.303,295	3,233		29.002,855	93,996	58.754,807	51,211	42,785
348+13,934		1.599,146	14,910	3.318,205	6,967		29.002,855	202,252	58.957,059	110,357	91,895
349+0,000		1.599,146	13,635	3.331,840	3,033		29.002,855	86,577	59.043,636	48,043	38,534
349+14,334		1.599,146	12,736	3.344,576	7,167		29.002,855	189,001	59.232,637	113,525	75,476
350+0,000		1.599,146	14,925	3.359,501	2,833		29.002,855	78,364	59.311,001	44,875	33,489
351+0,000		1.599,146	10,326	3.369,827	10,000		29.002,855	252,510	59.563,511	158,400	94,110

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
352+0,000		1.599,146	8,787	3.378,614	10,000		29.002,855	191,130	59.754,641	158,400	32,730
353+0,000		1.599,146	7,323	3.385,937	10,000		29.002,855	161,100	59.915,741	152,430	8,670
354+0,000	0,033	1.599,179	3,749	3.389,686	10,000	0,330	29.003,185	110,720	60.026,461	110,720	
355+0,000	0,064	1.599,243	1,797	3.391,483	10,000	0,970	29.004,155	55,460	60.081,921	55,460	
356+0,000	0,496	1.599,739	0,592	3.392,075	10,000	5,600	29.009,755	23,890	60.105,811	23,890	
357+0,000	1,362	1.601,101	0,231	3.392,306	10,000	18,580	29.028,335	8,230	60.114,041	8,230	
358+0,000	2,130	1.603,231		3.392,306	10,000	34,920	29.063,255	2,310	60.116,351	2,310	
359+0,000	1,006	1.604,237	0,503	3.392,809	10,000	31,360	29.094,615	5,030	60.121,381	5,030	
360+0,000	0,002	1.604,239	2,232	3.395,041	10,000	10,080	29.104,695	27,350	60.148,731	27,350	
361+0,000		1.604,239	4,377	3.399,418	10,000	0,020	29.104,715	66,090	60.214,821	66,090	
362+0,000		1.604,239	10,634	3.410,052	10,000		29.104,715	150,110	60.364,931	122,970	27,140
363+0,000		1.604,239	12,178	3.422,230	10,000		29.104,715	228,120	60.593,051	158,400	69,720
364+0,000		1.604,239	12,368	3.434,598	10,000		29.104,715	245,460	60.838,511	158,400	87,060
364+0,543		1.604,239	12,321	3.446,919	0,272		29.104,715	6,703	60.845,214	4,301	2,402
365+0,000		1.604,239	11,530	3.458,449	9,729		29.104,715	232,034	61.077,248	154,099	77,935
366+0,000		1.604,239	12,900	3.471,349	10,000		29.104,715	244,300	61.321,548	158,400	85,900
367+0,000		1.604,239	11,960	3.483,309	10,000		29.104,715	248,600	61.570,148	158,400	90,200
368+0,000		1.604,239	15,546	3.498,855	10,000		29.104,715	275,060	61.845,208	158,400	116,660
369+0,000		1.604,239	12,073	3.510,928	10,000		29.104,715	276,190	62.121,398	158,400	117,790
370+0,000		1.604,239	9,873	3.520,801	10,000		29.104,715	219,460	62.340,858	158,400	61,060
370+14,529		1.604,239	9,394	3.530,195	7,265		29.104,715	139,965	62.480,823	115,070	24,895
371+0,000		1.604,239	9,542	3.539,737	2,736		29.104,715	51,799	62.532,623	43,330	8,469
372+0,000		1.604,239	11,486	3.551,223	10,000		29.104,715	210,280	62.742,903	158,400	51,880
373+0,000		1.604,239	17,647	3.568,870	10,000		29.104,715	291,330	63.034,233	158,400	132,930
374+0,000		1.604,239	23,922	3.592,792	10,000		29.104,715	415,690	63.449,923	158,400	257,290
375+0,000		1.604,239	19,147	3.611,939	10,000		29.104,715	430,690	63.880,613	158,400	272,290
376+0,000		1.604,239	15,623	3.627,562	10,000		29.104,715	347,700	64.228,313	158,400	189,300
377+0,000		1.604,239	12,352	3.639,914	10,000		29.104,715	279,750	64.508,063	158,400	121,350
378+0,000		1.604,239	7,858	3.647,772	10,000		29.104,715	202,100	64.710,163	157,780	44,320
379+0,000	0,346	1.604,585	2,950	3.650,722	10,000	3,460	29.108,175	108,080	64.818,243	108,080	
379+0,543	0,349	1.604,934	2,799	3.653,521	0,272	0,189	29.108,363	1,561	64.819,804	1,561	
379+1,644	0,353	1.605,287	2,491	3.656,012	0,551	0,386	29.108,750	2,912	64.822,716	2,912	
380+0,000	1,841	1.607,128	0,013	3.656,025	9,178	20,137	29.128,886	22,982	64.845,698	22,982	
381+0,000	6,127	1.613,255		3.656,025	10,000	79,680	29.208,566	0,130	64.845,828	0,130	
382+0,000	6,242	1.619,497	0,025	3.656,050	10,000	123,690	29.332,256	0,250	64.846,078	0,250	
383+0,000	6,477	1.625,974		3.656,050	10,000	127,190	29.459,446	0,250	64.846,328	0,250	
383+4,560	6,577	1.632,551		3.656,050	2,280	29,763	29.489,209		64.846,328		
384+0,000	7,026	1.639,577		3.656,050	7,720	105,015	29.594,225		64.846,328		
385+0,000	9,637	1.649,214		3.656,050	10,000	166,630	29.760,855		64.846,328		
386+0,000	14,970	1.664,184		3.656,050	10,000	246,070	30.006,925		64.846,328		
387+0,000	22,726	1.686,910		3.656,050	10,000	376,960	30.383,885		64.846,328		
388+0,000	33,557	1.720,467		3.656,050	10,000	562,830	30.946,715		64.846,328		
389+0,000	35,994	1.756,461		3.656,050	10,000	695,510	31.642,225		64.846,328		
389+5,228	31,463	1.787,924		3.656,050	2,614	176,333	31.818,557		64.846,328		
390+0,000	20,980	1.808,904		3.656,050	7,386	387,344	32.205,901		64.846,328		
391+0,000	12,291	1.821,195		3.656,050	10,000	332,710	32.538,611		64.846,328		
392+0,000	7,356	1.828,551		3.656,050	10,000	196,470	32.735,081		64.846,328		
393+0,000	0,022	1.828,573	3,668	3.659,718	10,000	73,780	32.808,861	36,680	64.883,008	36,680	
393+4,560		1.828,573	5,751	3.665,469	2,280	0,050	32.808,911	21,475	64.904,483	21,475	
394+0,000		1.828,573	10,286	3.675,755	7,720		32.808,911	123,806	65.028,289	105,540	18,266
395+0,000		1.828,573	13,918	3.689,673	10,000		32.808,911	242,040	65.270,329	158,400	83,640
395+2,597		1.828,573	13,934	3.703,607	1,299		32.808,911	36,166	65.306,494	20,568	15,598
396+0,000		1.828,573	15,731	3.719,338	8,702		32.808,911	258,130	65.564,624	137,832	120,298
397+0,000		1.828,573	22,377	3.741,715	10,000		32.808,911	381,080	65.945,704	158,400	222,680
398+0,000		1.828,573	25,394	3.767,109	10,000		32.808,911	477,710	66.423,414	158,400	319,310
398+5,465		1.828,573	25,101	3.792,210	2,733		32.808,911	137,978	66.561,392	43,283	94,695
399+0,000		1.828,573	24,760	3.816,970	7,268		32.808,911	362,365	66.923,757	115,117	247,248
400+0,000		1.828,573	23,769	3.840,739	10,000		32.808,911	485,290	67.409,047	158,400	326,890

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C. Acum. (m³)	Vol. Aterro (m³)	Vol. A. Acum. (m³)	100% PI	100% PN
401+0,000		1.828,573	20,284	3.861,023	10,000		32.808,911	440,530	67.849,577	158,400	282,130
402+0,000		1.828,573	19,784	3.880,807	10,000		32.808,911	400,680	68.250,257	158,400	242,280
403+0,000		1.828,573	19,398	3.900,205	10,000		32.808,911	391,820	68.642,077	158,400	233,420
404+0,000		1.828,573	16,959	3.917,164	10,000		32.808,911	363,570	69.005,647	158,400	205,170
405+0,000	0,584	1.829,157	7,363	3.924,527	10,000	5,840	32.814,751	243,220	69.248,867	152,830	90,390
405+2,597	0,603	1.829,760	6,065	3.930,592	1,299	1,541	32.816,293	17,436	69.266,303	17,436	
406+0,000	1,345	1.831,105	4,763	3.935,355	8,702	16,951	32.833,243	94,220	69.360,523	94,220	
406+16,667	2,716	1.833,821	1,689	3.937,044	8,334	33,842	32.867,085	53,768	69.414,291	53,768	
407+0,000	2,777	1.836,598	1,218	3.938,262	1,667	9,154	32.876,240	4,845	69.419,135	4,845	
407+2,769	2,912	1.839,510	0,933	3.939,195	1,385	7,876	32.884,116	2,978	69.422,113	2,978	
407+18,386	2,323	1.841,833	0,493	3.939,688	7,809	40,877	32.924,993	11,135	69.433,248	11,135	
408+0,000	2,161	1.843,994	0,471	3.940,159	0,807	3,619	32.928,612	0,778	69.434,026	0,778	
409+0,000	8,202	1.852,196		3.940,159	10,000	103,630	33.032,242	4,710	69.438,736	4,710	
409+0,106	8,240	1.860,436		3.940,159	0,053	0,871	33.033,113		69.438,736		
410+0,000	10,060	1.870,496		3.940,159	9,947	182,030	33.215,144		69.438,736		
411+0,000	9,691	1.880,187		3.940,159	10,000	197,510	33.412,654		69.438,736		
412+0,000	12,282	1.892,469		3.940,159	10,000	219,730	33.632,384		69.438,736		
413+0,000	10,303	1.902,772		3.940,159	10,000	225,850	33.858,234		69.438,736		
414+0,000	5,600	1.908,372		3.940,159	10,000	159,030	34.017,264		69.438,736		
415+0,000	3,300	1.911,672	0,023	3.940,182	10,000	89,000	34.106,264	0,230	69.438,966	0,230	
415+0,220	3,252	1.914,924	0,026	3.940,208	0,110	0,721	34.106,984	0,005	69.438,971	0,005	
416+0,000	0,547	1.915,471	2,626	3.942,834	9,890	37,572	34.144,556	26,228	69.465,200	26,228	
417+0,000	0,419	1.915,890	5,621	3.948,455	10,000	9,660	34.154,216	82,470	69.547,670	82,470	
418+0,000		1.915,890	8,440	3.956,895	10,000	4,190	34.158,406	140,610	69.688,280	135,410	5,200
419+0,000	0,067	1.915,957	8,162	3.965,057	10,000	0,670	34.159,076	166,020	69.854,300	158,400	7,620
420+0,000	0,610	1.916,567	5,984	3.971,041	10,000	6,770	34.165,846	141,460	69.995,760	139,040	2,420
421+0,000	0,621	1.917,188	5,158	3.976,199	10,000	12,310	34.178,156	111,420	70.107,180	111,420	
422+0,000		1.917,188	2,900	3.979,099	10,000	6,210	34.184,366	80,580	70.187,760	80,580	
422+2,769		1.917,188	2,194	3.981,293	1,385		34.184,366	7,053	70.194,812	7,053	
423+0,000	0,696	1.917,884	2,014	3.983,307	8,616	5,996	34.190,363	36,254	70.231,066	36,254	
424+0,000	0,630	1.918,514	2,884	3.986,191	10,000	13,260	34.203,623	48,980	70.280,046	48,980	
425+0,000	0,696	1.919,210	3,136	3.989,327	10,000	13,260	34.216,883	60,200	70.340,246	60,200	
426+0,000	0,946	1.920,156	3,153	3.992,480	10,000	16,420	34.233,303	62,890	70.403,136	62,890	
427+0,000	0,921	1.921,077	3,260	3.995,740	10,000	18,670	34.251,973	64,130	70.467,266	64,130	
428+0,000	1,727	1.922,804	3,016	3.998,756	10,000	26,480	34.278,453	62,760	70.530,026	62,760	
429+0,000	1,032	1.923,836	2,441	4.001,197	10,000	27,590	34.306,043	54,570	70.584,596	54,570	
429+5,046	1,172	1.925,008	2,855	4.004,052	2,523	5,561	34.311,603	13,362	70.597,958	13,362	
430+0,000	1,327	1.926,335	6,155	4.010,207	7,477	18,685	34.330,289	67,368	70.665,326	67,368	
431+0,000		1.926,335	12,523	4.022,730	10,000	13,270	34.343,559	186,780	70.852,106	140,750	46,030
432+0,000		1.926,335	16,026	4.038,756	10,000		34.343,559	285,490	71.137,596	158,400	127,090
433+0,000		1.926,335	17,627	4.056,383	10,000		34.343,559	336,530	71.474,126	158,400	178,130
434+0,000		1.926,335	16,168	4.072,551	10,000		34.343,559	337,950	71.812,076	158,400	179,550
435+0,000		1.926,335	21,572	4.094,123	10,000		34.343,559	377,400	72.189,476	158,400	219,000
435+17,771		1.926,335	35,182	4.129,305	8,886		34.343,559	504,288	72.693,764	140,746	363,542
436+0,000		1.926,335	32,356	4.161,661	1,115		34.343,559	75,271	72.769,035	17,654	57,617
437+0,000		1.926,335	15,010	4.176,671	10,000		34.343,559	473,660	73.242,695	158,400	315,260
438+0,000		1.926,335	8,042	4.184,713	10,000		34.343,559	230,520	73.473,215	158,400	72,120
439+0,000		1.926,335	4,358	4.189,071	10,000		34.343,559	124,000	73.597,215	122,780	1,220
439+5,046		1.926,335	3,534	4.192,605	2,523		34.343,559	19,912	73.617,126	19,912	
440+0,000	2,943	1.929,278	0,691	4.193,296	7,477	22,005	34.365,563	31,590	73.648,717	31,590	
441+0,000	7,802	1.937,080		4.193,296	10,000	107,450	34.473,013	6,910	73.655,627	6,910	
442+0,000	17,412	1.954,492		4.193,296	10,000	252,140	34.725,153		73.655,627		
443+0,000	20,146	1.974,638		4.193,296	10,000	375,580	35.100,733		73.655,627		
444+0,000	20,352	1.994,990		4.193,296	10,000	404,980	35.505,713		73.655,627		
445+0,000	13,588	2.008,578		4.193,296	10,000	339,400	35.845,113		73.655,627		
446+0,000	11,220	2.019,798		4.193,296	10,000	248,080	36.093,193		73.655,627		
447+0,000	9,168	2.028,966		4.193,296	10,000	203,880	36.297,073		73.655,627		
447+6,858	8,487	2.037,453		4.193,296	3,429	60,539	36.357,612		73.655,627		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
448+0,000	5,669	2.043,122	0,123	4.193,419	6,571	93,019	36.450,631	0,808	73.656,435	0,808	
449+0,000	3,254	2.046,376	1,182	4.194,601	10,000	89,230	36.539,861	13,050	73.669,485	13,050	
450+0,000	2,864	2.049,240	2,295	4.196,896	10,000	61,180	36.601,041	34,770	73.704,255	34,770	
451+0,000	2,819	2.052,059	0,544	4.197,440	10,000	56,830	36.657,871	28,390	73.732,645	28,390	
452+0,000	1,214	2.053,273	3,165	4.200,605	10,000	40,330	36.698,201	37,090	73.769,735	37,090	
453+0,000		2.053,273	5,454	4.206,059	10,000	12,140	36.710,341	86,190	73.855,925	86,190	
454+0,000	2,630	2.055,903	2,229	4.208,288	10,000	26,300	36.736,641	76,830	73.932,755	76,830	
455+0,000	2,026	2.057,929	0,687	4.208,975	10,000	46,560	36.783,201	29,160	73.961,915	29,160	
456+0,000	1,993	2.059,922	3,522	4.212,497	10,000	40,190	36.823,391	42,090	74.004,005	42,090	
457+0,000	1,634	2.061,556	1,094	4.213,591	10,000	36,270	36.859,661	46,160	74.050,165	46,160	
457+6,858	1,830	2.063,386	1,437	4.215,028	3,429	11,878	36.871,539	8,679	74.058,844	8,679	
458+0,000	2,391	2.065,777	1,765	4.216,793	6,571	27,736	36.899,276	21,040	74.079,884	21,040	
459+0,000	1,804	2.067,581	1,219	4.218,012	10,000	41,950	36.941,226	29,840	74.109,724	29,840	
460+0,000	1,623	2.069,204	2,034	4.220,046	10,000	34,270	36.975,496	32,530	74.142,254	32,530	
461+0,000	1,551	2.070,755	0,758	4.220,804	10,000	31,740	37.007,236	27,920	74.170,174	27,920	
462+0,000	1,819	2.072,574	0,882	4.221,686	10,000	33,700	37.040,936	16,400	74.186,574	16,400	
463+0,000	3,008	2.075,582	0,667	4.222,353	10,000	48,270	37.089,206	15,490	74.202,064	15,490	
463+11,653	2,969	2.078,551	0,391	4.222,744	5,827	34,825	37.124,031	6,164	74.208,228	6,164	
464+0,000	3,424	2.081,975	0,301	4.223,045	4,174	26,681	37.150,712	2,888	74.211,116	2,888	
465+0,000	4,452	2.086,427	0,056	4.223,101	10,000	78,760	37.229,472	3,570	74.214,686	3,570	
466+0,000	6,929	2.093,356		4.223,101	10,000	113,810	37.343,282	0,560	74.215,246	0,560	
467+0,000	11,330	2.104,686		4.223,101	10,000	182,590	37.525,872		74.215,246		
468+0,000	11,093	2.115,779		4.223,101	10,000	224,230	37.750,102		74.215,246		
468+17,143	6,713	2.122,492		4.223,101	8,572	152,624	37.902,726		74.215,246		
469+0,000	5,671	2.128,163		4.223,101	1,429	17,691	37.920,416		74.215,246		
470+0,000	0,256	2.128,419	1,993	4.225,094	10,000	59,270	37.979,686	19,930	74.235,176	19,930	
471+0,000	0,033	2.128,452	7,259	4.232,353	10,000	2,890	37.982,576	92,520	74.327,696	92,520	
471+11,653	0,122	2.128,574	10,261	4.242,614	5,827	0,903	37.983,480	102,080	74.429,777	88,440	13,640
472+0,000	0,014	2.128,588	11,587	4.254,201	4,174	0,568	37.984,047	91,183	74.520,959	66,108	25,075
473+0,000		2.128,588	15,766	4.269,967	10,000	0,140	37.984,187	273,530	74.794,489	158,400	115,130
474+0,000		2.128,588	19,199	4.289,166	10,000		37.984,187	349,650	75.144,139	158,400	191,250
475+0,000		2.128,588	17,272	4.306,438	10,000		37.984,187	364,710	75.508,849	158,400	206,310
476+0,000		2.128,588	16,555	4.322,993	10,000		37.984,187	338,270	75.847,119	158,400	179,870
477+0,000		2.128,588	14,804	4.337,797	10,000		37.984,187	313,590	76.160,709	158,400	155,190
477+6,529		2.128,588	13,210	4.351,007	3,265		37.984,187	91,452	76.252,161	51,710	39,742
477+18,703		2.128,588	8,856	4.359,863	6,087		37.984,187	134,305	76.386,466	96,418	37,887
478+0,000		2.128,588	8,458	4.368,321	0,649		37.984,187	11,228	76.397,694	10,272	0,956
479+0,000	0,420	2.129,008	3,666	4.371,987	10,000	4,200	37.988,387	121,240	76.518,934	115,860	5,380
480+0,000	4,748	2.133,756	0,131	4.372,118	10,000	51,680	38.040,067	37,970	76.556,904	37,970	
480+19,188	9,439	2.143,195		4.372,118	9,594	136,110	38.176,177	1,257	76.558,161	1,257	
481+0,000	9,692	2.152,887		4.372,118	0,406	7,767	38.183,944		76.558,161		
482+0,000	12,368	2.165,255		4.372,118	10,000	220,600	38.404,544		76.558,161		
483+0,000	11,171	2.176,426		4.372,118	10,000	235,390	38.639,934		76.558,161		
483+19,673	12,220	2.188,646		4.372,118	9,837	230,086	38.870,020		76.558,161		
484+0,000	12,125	2.200,771		4.372,118	0,164	3,980	38.874,000		76.558,161		
485+0,000	6,530	2.207,301		4.372,118	10,000	186,550	39.060,550		76.558,161		
485+6,529	4,676	2.211,977		4.372,118	3,265	36,582	39.097,132		76.558,161		
486+0,000	5,749	2.217,726	0,032	4.372,150	6,736	70,218	39.167,350	0,216	76.558,376	0,216	
487+0,000	2,992	2.220,718	0,687	4.372,837	10,000	87,410	39.254,760	7,190	76.565,566	7,190	
488+0,000	1,485	2.222,203	0,968	4.373,805	10,000	44,770	39.299,530	16,550	76.582,116	16,550	
488+18,497	1,019	2.223,222	4,785	4.378,590	9,249	23,158	39.322,688	53,207	76.635,323	53,207	
489+0,000	0,821	2.224,043	4,967	4.383,557	0,752	1,383	39.324,071	7,329	76.642,652	7,329	
490+0,000	0,579	2.224,622	8,973	4.392,530	10,000	14,000	39.338,071	139,400	76.782,052	128,870	10,530
491+0,000	0,027	2.224,649	12,171	4.404,701	10,000	6,060	39.344,131	211,440	76.993,492	158,400	53,040
492+0,000		2.224,649	14,535	4.419,236	10,000	0,270	39.344,401	267,060	77.260,552	158,400	108,660
493+0,000		2.224,649	14,776	4.434,012	10,000		39.344,401	293,110	77.553,662	158,400	134,710
494+0,000		2.224,649	15,015	4.449,027	10,000		39.344,401	297,910	77.851,572	158,400	139,510
494+16,795		2.224,649	13,642	4.462,669	8,398		39.344,401	240,647	78.092,219	133,016	107,631

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
495+0,000		2.224,649	13,794	4.476,463	1,603		39.344,401	43,966	78.136,185	25,384	18,582
495+18,497		2.224,649	21,689	4.498,152	9,249		39.344,401	328,165	78.464,349	146,496	181,669
496+0,000		2.224,649	23,064	4.521,216	0,752		39.344,401	33,632	78.497,981	11,904	21,728
496+14,795		2.224,649	34,908	4.556,124	7,398		39.344,401	428,848	78.926,829	117,176	311,672
497+0,000		2.224,649	31,142	4.587,266	2,603		39.344,401	171,895	79.098,724	41,224	130,671
497+12,795		2.224,649	22,294	4.609,560	6,398		39.344,401	341,857	79.440,581	101,336	240,521
498+0,000		2.224,649	19,297	4.628,857	3,603		39.344,401	149,832	79.590,413	57,064	92,768
498+10,795		2.224,649	17,014	4.645,871	5,398		39.344,401	195,989	79.786,401	85,496	110,493
498+16,795		2.224,649	15,912	4.661,783	3,000		39.344,401	98,778	79.885,179	47,520	51,258
499+0,000		2.224,649	14,813	4.676,596	1,603		39.344,401	49,237	79.934,416	25,384	23,853
500+0,000		2.224,649	10,194	4.686,790	10,000		39.344,401	250,070	80.184,486	158,400	91,670
501+0,000		2.224,649	7,304	4.694,094	10,000		39.344,401	174,980	80.359,466	152,240	22,740
502+0,000		2.224,649	7,266	4.701,360	10,000		39.344,401	145,700	80.505,166	145,700	
502+11,041		2.224,649	8,537	4.709,897	5,521		39.344,401	87,240	80.592,407	83,834	3,406
503+0,000		2.224,649	9,248	4.719,145	4,480		39.344,401	79,668	80.672,074	70,955	8,713
503+5,927		2.224,649	7,634	4.726,779	2,964		39.344,401	50,030	80.722,104	46,094	3,936
504+0,000		2.224,649	8,577	4.735,356	7,037		39.344,401	114,069	80.836,173	109,446	4,623
505+0,000		2.224,649	9,412	4.744,768	10,000		39.344,401	179,890	81.016,063	158,400	21,490
506+0,000		2.224,649	10,449	4.755,217	10,000		39.344,401	198,610	81.214,673	158,400	40,210
507+0,000		2.224,649	7,139	4.762,356	10,000		39.344,401	175,880	81.390,553	150,590	25,290
507+15,060		2.224,649	6,785	4.769,141	7,530		39.344,401	104,848	81.495,401	104,848	
508+0,000		2.224,649	6,917	4.776,058	2,470		39.344,401	33,844	81.529,245	33,844	
508+1,060		2.224,649	6,959	4.783,017	0,530		39.344,401	7,354	81.536,599	7,354	
508+19,060	0,004	2.224,653	3,186	4.786,203	9,000	0,036	39.344,437	91,305	81.627,904	91,305	
509+0,000	0,006	2.224,659	3,188	4.789,391	0,470	0,005	39.344,442	2,996	81.630,900	2,996	
509+17,060	0,514	2.225,173	1,726	4.791,117	8,530	4,436	39.348,877	41,916	81.672,816	41,916	
510+0,000	0,521	2.225,694	1,906	4.793,023	1,470	1,521	39.350,399	5,339	81.678,155	5,339	
510+11,041	0,374	2.226,068	1,883	4.794,906	5,521	4,941	39.355,340	20,917	81.699,072	20,917	
511+0,000	1,312	2.227,380	0,888	4.795,794	4,480	7,552	39.362,892	12,413	81.711,485	12,413	
511+15,060	1,735	2.229,115	0,326	4.796,120	7,530	22,944	39.385,836	9,141	81.720,626	9,141	
512+0,000	0,597	2.229,712	1,124	4.797,244	2,470	5,760	39.391,596	3,582	81.724,208	3,582	
513+0,000		2.229,712	2,695	4.799,939	10,000	5,970	39.397,566	38,190	81.762,398	38,190	
514+0,000	0,128	2.229,840	5,073	4.805,012	10,000	1,280	39.398,846	77,680	81.840,078	77,680	
515+0,000	0,469	2.230,309	5,012	4.810,024	10,000	5,970	39.404,816	100,850	81.940,928	100,850	
516+0,000	0,061	2.230,370	6,231	4.816,255	10,000	5,300	39.410,116	112,430	82.053,358	112,430	
517+0,000		2.230,370	8,176	4.824,431	10,000	0,610	39.410,726	144,070	82.197,428	141,510	2,560
517+11,899		2.230,370	8,668	4.833,099	5,950		39.410,726	100,213	82.297,641	94,240	5,973
518+0,000		2.230,370	11,108	4.844,207	4,051		39.410,726	80,103	82.377,744	64,160	15,943
519+0,000		2.230,370	12,406	4.856,613	10,000		39.410,726	235,140	82.612,884	158,400	76,740
520+0,000		2.230,370	14,753	4.871,366	10,000		39.410,726	271,590	82.884,474	158,400	113,190
521+0,000		2.230,370	15,769	4.887,135	10,000		39.410,726	305,220	83.189,694	158,400	146,820
522+0,000		2.230,370	19,944	4.907,079	10,000		39.410,726	357,130	83.546,824	158,400	198,730
523+0,000		2.230,370	17,829	4.924,908	10,000		39.410,726	377,730	83.924,554	158,400	219,330
524+0,000		2.230,370	22,684	4.947,592	10,000		39.410,726	405,130	84.329,684	158,400	246,730
525+0,000		2.230,370	19,501	4.967,093	10,000		39.410,726	421,850	84.751,534	158,400	263,450
525+11,899		2.230,370	17,511	4.984,604	5,950		39.410,726	220,203	84.971,737	94,240	125,963
526+0,000		2.230,370	17,191	5.001,795	4,051		39.410,726	140,560	85.112,297	64,160	76,400
527+0,000		2.230,370	15,987	5.017,782	10,000		39.410,726	331,780	85.444,077	158,400	173,380
528+0,000		2.230,370	11,607	5.029,389	10,000		39.410,726	275,940	85.720,017	158,400	117,540
529+0,000		2.230,370	5,916	5.035,305	10,000		39.410,726	175,230	85.895,247	138,360	36,870
530+0,000	0,557	2.230,927	0,364	5.035,669	10,000	5,570	39.416,296	62,800	85.958,047	62,800	
531+0,000	7,988	2.238,915		5.035,669	10,000	85,450	39.501,746	3,640	85.961,687	3,640	
532+0,000	12,358	2.251,273		5.035,669	10,000	203,460	39.705,206		85.961,687		
533+0,000	11,601	2.262,874		5.035,669	10,000	239,590	39.944,796		85.961,687		
534+0,000	6,561	2.269,435	0,029	5.035,698	10,000	181,620	40.126,416	0,290	85.961,977	0,290	
535+0,000	1,526	2.270,961	0,052	5.035,750	10,000	80,870	40.207,286	0,810	85.962,787	0,810	
536+0,000	0,294	2.271,255	1,647	5.037,397	10,000	18,200	40.225,486	16,990	85.979,777	16,990	
537+0,000		2.271,255	5,165	5.042,562	10,000	2,940	40.228,426	68,120	86.047,897	68,120	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
538+0,000	0,404	2.271,659	5,750	5.048,312	10,000	4,040	40.232,466	109,150	86.157,047	109,150	
539+0,000		2.271,659	11,878	5.060,190	10,000	4,040	40.236,506	176,280	86.333,327	136,700	39,580
540+0,000		2.271,659	21,257	5.081,447	10,000		40.236,506	331,350	86.664,677	158,400	172,950
540+12,393		2.271,659	20,240	5.101,687	6,197		40.236,506	257,136	86.921,813	98,153	158,983
541+0,000		2.271,659	25,317	5.127,004	3,804		40.236,506	173,276	87.095,090	60,247	113,029
542+0,000		2.271,659	21,889	5.148,893	10,000		40.236,506	472,060	87.567,150	158,400	313,660
543+0,000		2.271,659	23,654	5.172,547	10,000		40.236,506	455,430	88.022,580	158,400	297,030
543+7,234		2.271,659	25,323	5.197,870	3,617		40.236,506	177,150	88.199,729	57,293	119,857
544+0,000		2.271,659	25,072	5.222,942	6,383		40.236,506	321,671	88.521,401	101,107	220,564
545+0,000		2.271,659	24,408	5.247,350	10,000		40.236,506	494,800	89.016,201	158,400	336,400
546+0,000		2.271,659	25,360	5.272,710	10,000		40.236,506	497,680	89.513,881	158,400	339,280
547+0,000		2.271,659	20,579	5.293,289	10,000		40.236,506	459,390	89.973,271	158,400	300,990
548+0,000		2.271,659	14,808	5.308,097	10,000		40.236,506	353,870	90.327,141	158,400	195,470
549+0,000		2.271,659	13,335	5.321,432	10,000		40.236,506	281,430	90.608,571	158,400	123,030
550+0,000	0,001	2.271,660	10,435	5.331,867	10,000	0,010	40.236,516	237,700	90.846,271	158,400	79,300
550+12,393	0,085	2.271,745	7,807	5.339,674	6,197	0,533	40.237,049	113,037	90.959,307	97,452	15,585
551+0,000	0,177	2.271,922	6,479	5.346,153	3,804	0,997	40.238,045	54,337	91.013,644	54,337	
552+0,000	0,096	2.272,018	3,451	5.349,604	10,000	2,730	40.240,775	99,300	91.112,944	99,300	
553+0,000	2,655	2.274,673	0,613	5.350,217	10,000	27,510	40.268,285	40,640	91.153,584	40,640	
554+0,000	3,481	2.278,154	0,026	5.350,243	10,000	61,360	40.329,645	6,390	91.159,974	6,390	
555+0,000	4,613	2.282,767	0,114	5.350,357	10,000	80,940	40.410,585	1,400	91.161,374	1,400	
556+0,000	5,886	2.288,653		5.350,357	10,000	104,990	40.515,575	1,140	91.162,514	1,140	
557+0,000	2,422	2.291,075	0,001	5.350,358	10,000	83,080	40.598,655	0,010	91.162,524	0,010	
558+0,000	1,117	2.292,192	1,545	5.351,903	10,000	35,390	40.634,045	15,460	91.177,984	15,460	
559+0,000	0,004	2.292,196	5,634	5.357,537	10,000	11,210	40.645,255	71,790	91.249,774	71,790	
560+0,000		2.292,196	9,099	5.366,636	10,000	0,040	40.645,295	147,330	91.397,104	135,540	11,790
561+0,000		2.292,196	11,676	5.378,312	10,000		40.645,295	207,750	91.604,854	158,400	49,350
562+0,000		2.292,196	11,414	5.389,726	10,000		40.645,295	230,900	91.835,754	158,400	72,500
563+0,000		2.292,196	10,261	5.399,987	10,000		40.645,295	216,750	92.052,504	158,400	58,350
564+0,000		2.292,196	7,567	5.407,554	10,000		40.645,295	178,280	92.230,784	154,870	23,410
564+15,812	0,656	2.292,852	1,736	5.409,290	7,906	5,186	40.650,482	73,550	92.304,334	73,550	
565+0,000	1,439	2.294,291	0,747	5.410,037	2,094	4,387	40.654,869	5,199	92.309,533	5,199	
566+0,000	8,522	2.302,813		5.410,037	10,000	99,610	40.754,479	7,470	92.317,003	7,470	
567+0,000	12,017	2.314,830		5.410,037	10,000	205,390	40.959,869		92.317,003		
568+0,000	14,143	2.328,973		5.410,037	10,000	261,600	41.221,469		92.317,003		
569+0,000	10,150	2.339,123		5.410,037	10,000	242,930	41.464,399		92.317,003		
570+0,000	4,547	2.343,670		5.410,037	10,000	146,970	41.611,369		92.317,003		
571+0,000	0,115	2.343,785	0,652	5.410,689	10,000	46,620	41.657,989	6,520	92.323,523	6,520	
572+0,000		2.343,785	5,962	5.416,651	10,000	1,150	41.659,139	66,140	92.389,663	66,140	
573+0,000		2.343,785	9,283	5.425,934	10,000		41.659,139	152,450	92.542,113	138,820	13,630
574+0,000		2.343,785	12,394	5.438,328	10,000		41.659,139	216,770	92.758,883	158,400	58,370
574+14,036		2.343,785	14,230	5.452,558	7,018		41.659,139	186,847	92.945,730	111,165	75,682
574+15,812		2.343,785	14,496	5.467,054	0,888		41.659,139	25,509	92.971,239	14,066	11,443
575+0,000		2.343,785	15,111	5.482,165	2,094		41.659,139	61,997	93.033,236	33,169	28,828
576+0,000		2.343,785	20,774	5.502,939	10,000		41.659,139	358,850	93.392,086	158,400	200,450
577+0,000		2.343,785	18,361	5.521,300	10,000		41.659,139	391,350	93.783,436	158,400	232,950
578+0,000		2.343,785	16,171	5.537,471	10,000		41.659,139	345,320	94.128,756	158,400	186,920
579+0,000		2.343,785	15,731	5.553,202	10,000		41.659,139	319,020	94.447,776	158,400	160,620
580+0,000		2.343,785	13,877	5.567,079	10,000		41.659,139	296,080	94.743,856	158,400	137,680
581+0,000		2.343,785	12,100	5.579,179	10,000		41.659,139	259,770	95.003,626	158,400	101,370
582+0,000		2.343,785	9,208	5.588,387	10,000		41.659,139	213,080	95.216,706	158,400	54,680
583+0,000		2.343,785	7,172	5.595,559	10,000		41.659,139	163,800	95.380,506	150,920	12,880
584+0,000		2.343,785	6,230	5.601,789	10,000		41.659,139	134,020	95.514,526	134,020	
585+0,000		2.343,785	4,860	5.606,649	10,000		41.659,139	110,900	95.625,426	110,900	
586+0,000	0,039	2.343,824	3,625	5.610,274	10,000	0,390	41.659,529	84,850	95.710,276	84,850	
587+0,000	0,068	2.343,892	2,305	5.612,579	10,000	1,070	41.660,599	59,300	95.769,576	59,300	
588+0,000	0,297	2.344,189	1,596	5.614,175	10,000	3,650	41.664,249	39,010	95.808,586	39,010	
589+0,000	0,474	2.344,663	0,731	5.614,906	10,000	7,710	41.671,959	23,270	95.831,856	23,270	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
590+0,000	1,055	2.345,718	0,342	5.615,248	10,000	15,290	41.687,249	10,730	95.842,586	10,730	
591+0,000	1,784	2.347,502	0,037	5.615,285	10,000	28,390	41.715,639	3,790	95.846,376	3,790	
592+0,000	2,270	2.349,772	0,019	5.615,304	10,000	40,540	41.756,179	0,560	95.846,936	0,560	
593+0,000	2,111	2.351,883		5.615,304	10,000	43,810	41.799,989	0,190	95.847,126	0,190	
594+0,000	2,605	2.354,488	0,116	5.615,420	10,000	47,160	41.847,149	1,160	95.848,286	1,160	
595+0,000	2,473	2.356,961	0,031	5.615,451	10,000	50,780	41.897,929	1,470	95.849,756	1,470	
596+0,000	2,187	2.359,148	0,048	5.615,499	10,000	46,600	41.944,529	0,790	95.850,546	0,790	
597+0,000	1,624	2.360,772	0,049	5.615,548	10,000	38,110	41.982,639	0,970	95.851,516	0,970	
597+9,999	1,388	2.362,160	0,075	5.615,623	5,000	15,058	41.997,697	0,620	95.852,136	0,620	
598+0,000	0,475	2.362,635	0,405	5.616,028	5,001	9,316	42.007,013	2,400	95.854,536	2,400	
599+0,000	0,022	2.362,657	1,979	5.618,007	10,000	4,970	42.011,983	23,840	95.878,376	23,840	
600+0,000	0,004	2.362,661	3,170	5.621,177	10,000	0,260	42.012,243	51,490	95.929,866	51,490	
601+0,000		2.362,661	3,827	5.625,004	10,000	0,040	42.012,283	69,970	95.999,836	69,970	
602+0,000		2.362,661	4,751	5.629,755	10,000		42.012,283	85,780	96.085,616	85,780	
603+0,000		2.362,661	6,473	5.636,228	10,000		42.012,283	112,240	96.197,856	112,240	
604+0,000		2.362,661	6,673	5.642,901	10,000		42.012,283	131,460	96.329,316	131,460	
605+0,000		2.362,661	7,798	5.650,699	10,000		42.012,283	144,710	96.474,026	144,710	
606+0,000		2.362,661	8,287	5.658,986	10,000		42.012,283	160,850	96.634,876	157,180	3,670
607+0,000		2.362,661	8,079	5.667,065	10,000		42.012,283	163,660	96.798,536	158,400	5,260
608+0,000		2.362,661	7,947	5.675,012	10,000		42.012,283	160,260	96.958,796	158,400	1,860
609+0,000		2.362,661	8,179	5.683,191	10,000		42.012,283	161,260	97.120,056	158,400	2,860
610+0,000		2.362,661	6,217	5.689,408	10,000		42.012,283	143,960	97.264,016	141,370	2,590
611+0,000		2.362,661	5,625	5.695,033	10,000		42.012,283	118,420	97.382,436	118,420	
612+0,000	0,007	2.362,668	5,545	5.700,578	10,000	0,070	42.012,353	111,700	97.494,136	111,700	
613+0,000		2.362,668	5,149	5.705,727	10,000	0,070	42.012,423	106,940	97.601,076	106,940	
614+0,000	0,101	2.362,769	4,013	5.709,740	10,000	1,010	42.013,433	91,620	97.692,696	91,620	
615+0,000	0,559	2.363,328	3,158	5.712,898	10,000	6,600	42.020,033	71,710	97.764,406	71,710	
616+0,000	0,018	2.363,346	2,350	5.715,248	10,000	5,770	42.025,803	55,080	97.819,486	55,080	
617+0,000	0,300	2.363,646	1,711	5.716,959	10,000	3,180	42.028,983	40,610	97.860,096	40,610	
618+0,000	0,585	2.364,231	1,902	5.718,861	10,000	8,850	42.037,833	36,130	97.896,226	36,130	
618+9,999	0,508	2.364,739	2,524	5.721,385	5,000	5,464	42.043,298	22,128	97.918,354	22,128	
619+0,000	0,344	2.365,083	3,583	5.724,968	5,001	4,260	42.047,558	30,538	97.948,892	30,538	
620+0,000	0,171	2.365,254	4,592	5.729,560	10,000	5,150	42.052,708	81,750	98.030,642	81,750	
621+0,000		2.365,254	6,062	5.735,622	10,000	1,710	42.054,418	106,540	98.137,182	106,540	
622+0,000	0,025	2.365,279	4,158	5.739,780	10,000	0,250	42.054,668	102,200	98.239,382	102,200	
623+0,000		2.365,279	5,429	5.745,209	10,000	0,250	42.054,918	95,870	98.335,252	95,870	
624+0,000	0,052	2.365,331	5,258	5.750,467	10,000	0,520	42.055,438	106,870	98.442,122	106,870	
625+0,000	0,167	2.365,498	4,786	5.755,253	10,000	2,190	42.057,628	100,440	98.542,562	100,440	
626+0,000	0,002	2.365,500	4,471	5.759,724	10,000	1,690	42.059,318	92,570	98.635,132	92,570	
627+0,000	0,089	2.365,589	3,168	5.762,892	10,000	0,910	42.060,228	76,390	98.711,522	76,390	
627+5,806	0,085	2.365,674	3,020	5.765,912	2,903	0,505	42.060,733	17,964	98.729,486	17,964	
628+0,000		2.365,674	5,220	5.771,132	7,097	0,603	42.061,336	58,479	98.787,965	58,479	
629+0,000		2.365,674	6,524	5.777,656	10,000		42.061,336	117,440	98.905,405	117,440	
630+0,000	0,154	2.365,828	6,100	5.783,756	10,000	1,540	42.062,876	126,240	99.031,645	126,240	
631+0,000	0,141	2.365,969	5,063	5.788,819	10,000	2,950	42.065,826	111,630	99.143,275	111,630	
632+0,000	0,737	2.366,706	3,472	5.792,291	10,000	8,780	42.074,606	85,350	99.228,625	85,350	
633+0,000	0,027	2.366,733	1,453	5.793,744	10,000	7,640	42.082,246	49,250	99.277,875	49,250	
634+0,000	0,173	2.366,906	1,853	5.795,597	10,000	2,000	42.084,246	33,060	99.310,935	33,060	
635+0,000	1,271	2.368,177	1,562	5.797,159	10,000	14,440	42.098,686	34,150	99.345,085	34,150	
636+0,000	1,280	2.369,457	1,570	5.798,729	10,000	25,510	42.124,196	31,320	99.376,405	31,320	
637+0,000	1,623	2.371,080	1,370	5.800,099	10,000	29,030	42.153,226	29,400	99.405,805	29,400	
637+5,806	1,873	2.372,953	2,184	5.802,283	2,903	10,149	42.163,375	10,317	99.416,122	10,317	
638+0,000	0,989	2.373,942	4,580	5.806,863	7,097	20,312	42.183,687	48,004	99.464,126	48,004	
639+0,000	0,169	2.374,111	2,973	5.809,836	10,000	11,580	42.195,267	75,530	99.539,656	75,530	
640+0,000	0,976	2.375,087	2,604	5.812,440	10,000	11,450	42.206,717	55,770	99.595,426	55,770	
641+0,000	1,007	2.376,094	1,606	5.814,046	10,000	19,830	42.226,547	42,100	99.637,526	42,100	
642+0,000		2.376,094	2,526	5.816,572	10,000	10,070	42.236,617	41,320	99.678,846	41,320	
643+0,000	0,399	2.376,493	2,154	5.818,726	10,000	3,990	42.240,607	46,800	99.725,646	46,800	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
644+0,000	0,101	2.376,594	4,298	5.823,024	10,000	5,000	42.245,607	64,520	99.790,166	64,520	
645+0,000	0,893	2.377,487	7,851	5.830,875	10,000	9,940	42.255,547	121,490	99.911,656	121,490	
646+0,000		2.377,487	7,243	5.838,118	10,000	8,930	42.264,477	150,940	100.062,596	150,940	
647+0,000	0,067	2.377,554	6,724	5.844,842	10,000	0,670	42.265,147	139,670	100.202,266	139,670	
647+10,035		2.377,554	7,970	5.852,812	5,018	0,336	42.265,483	73,727	100.275,993	73,476	0,251
647+13,680		2.377,554	7,423	5.860,235	1,823		42.265,483	28,061	100.304,055	27,963	0,098
648+0,000		2.377,554	6,503	5.866,738	3,160		42.265,483	44,006	100.348,061	44,006	
649+0,000		2.377,554	6,005	5.872,743	10,000		42.265,483	125,080	100.473,141	125,080	
649+4,199		2.377,554	4,838	5.877,581	2,100		42.265,483	22,765	100.495,906	22,765	
650+0,000		2.377,554	4,161	5.881,742	7,901		42.265,483	71,097	100.567,003	71,097	
650+18,364		2.377,554	4,312	5.886,054	9,182		42.265,483	77,799	100.644,802	77,799	
651+0,000		2.377,554	4,238	5.890,292	0,818		42.265,483	6,994	100.651,796	6,994	
652+0,000		2.377,554	4,708	5.895,000	10,000		42.265,483	89,460	100.741,256	89,460	
652+13,680		2.377,554	5,013	5.900,013	6,840		42.265,483	66,492	100.807,747	66,492	
653+0,000		2.377,554	5,522	5.905,535	3,160		42.265,483	33,291	100.841,038	33,291	
654+0,000		2.377,554	5,372	5.910,907	10,000		42.265,483	108,940	100.949,978	108,940	
655+0,000		2.377,554	6,033	5.916,940	10,000		42.265,483	114,050	101.064,028	114,050	
655+14,726		2.377,554	6,050	5.922,990	7,363		42.265,483	88,967	101.152,995	88,967	
656+0,000		2.377,554	5,793	5.928,783	2,637		42.265,483	31,230	101.184,225	31,230	
657+0,000		2.377,554	5,577	5.934,360	10,000		42.265,483	113,700	101.297,925	113,700	
658+0,000		2.377,554	7,017	5.941,377	10,000		42.265,483	125,940	101.423,865	125,940	
659+0,000		2.377,554	10,397	5.951,774	10,000		42.265,483	174,140	101.598,005	149,370	24,770
659+5,997		2.377,554	9,508	5.961,282	2,999		42.265,483	59,685	101.657,690	47,496	12,189
660+0,000		2.377,554	9,302	5.970,584	7,002		42.265,483	131,698	101.789,388	110,904	20,794
661+0,000		2.377,554	11,070	5.981,654	10,000		42.265,483	203,720	101.993,108	158,400	45,320
661+14,726		2.377,554	13,159	5.994,813	7,363		42.265,483	178,398	102.171,506	116,630	61,768
662+0,000		2.377,554	14,479	6.009,292	2,637		42.265,483	72,881	102.244,388	41,770	31,111
663+0,000		2.377,554	17,160	6.026,452	10,000		42.265,483	316,390	102.560,778	158,400	157,990
664+0,000		2.377,554	29,471	6.055,923	10,000		42.265,483	466,310	103.027,088	158,400	307,910
664+8,850		2.377,554	32,817	6.088,740	4,425		42.265,483	275,624	103.302,712	70,092	205,532
665+0,000		2.377,554	39,176	6.127,916	5,575		42.265,483	401,361	103.704,073	88,308	313,053
666+0,000		2.377,554	42,155	6.170,071	10,000		42.265,483	813,310	104.517,383	158,400	654,910
667+0,000		2.377,554	59,919	6.229,990	10,000		42.265,483	1.020,740	105.538,123	158,400	862,340
668+0,000		2.377,554	32,389	6.262,379	10,000		42.265,483	923,080	106.461,203	158,400	764,680
669+0,000		2.377,554	11,681	6.274,060	10,000		42.265,483	440,700	106.901,903	158,400	282,300
669+8,850	0,391	2.377,945	5,121	6.279,181	4,425	1,730	42.267,213	74,349	106.976,252	57,706	16,643
669+18,850	2,506	2.380,451	22,446	6.301,627	5,000	14,485	42.281,698	137,835	107.114,087	65,205	72,630
PONTE SOBRE O CÔRREGO GRANDE											
670+18,850	3,153	2.383,604	33,377	6.335,004			42.281,698		107.114,087		
671+0,000	3,173	2.386,777	27,965	6.362,969	0,575	3,637	42.285,336	35,272	107.149,359	9,108	26,164
672+0,000		2.386,777	23,885	6.386,854	10,000	31,730	42.317,066	518,500	107.667,859	158,400	360,100
672+8,850		2.386,777	14,033	6.400,887	4,425		42.317,066	167,787	107.835,646	70,092	97,695
673+0,000		2.386,777	15,722	6.416,609	5,575		42.317,066	165,884	108.001,530	88,308	77,576
674+0,000		2.386,777	29,648	6.446,257	10,000		42.317,066	453,700	108.455,230	158,400	295,300
675+0,000		2.386,777	41,979	6.488,236	10,000		42.317,066	716,270	109.171,500	158,400	557,870
676+0,000		2.386,777	53,724	6.541,960	10,000		42.317,066	957,030	110.128,530	158,400	798,630
677+0,000		2.386,777	76,347	6.618,307	10,000		42.317,066	1.300,710	111.429,240	158,400	1.142,310
678+0,000		2.386,777	73,211	6.691,518	10,000		42.317,066	1.495,580	112.924,820	158,400	1.337,180
679+0,000		2.386,777	72,152	6.763,670	10,000		42.317,066	1.453,630	114.378,450	158,400	1.295,230
680+0,000		2.386,777	67,166	6.830,836	10,000		42.317,066	1.393,180	115.771,630	158,400	1.234,780
681+0,000		2.386,777	46,634	6.877,470	10,000		42.317,066	1.138,000	116.909,630	158,400	979,600
682+0,000		2.386,777	19,994	6.897,464	10,000		42.317,066	666,280	117.575,910	158,400	507,880
682+8,850		2.386,777	13,991	6.911,455	4,425		42.317,066	150,384	117.726,294	70,092	80,292
683+0,000		2.386,777	6,339	6.917,794	5,575		42.317,066	113,340	117.839,633	79,494	33,846
684+0,000	12,360	2.399,137	0,118	6.917,912	10,000	123,600	42.440,666	64,570	117.904,203	64,570	
685+0,000	11,598	2.410,735		6.917,912	10,000	239,580	42.680,246	1,180	117.905,383	1,180	
686+0,000	20,360	2.431,095		6.917,912	10,000	319,580	42.999,826		117.905,383		
687+0,000	22,892	2.453,987		6.917,912	10,000	432,520	43.432,346		117.905,383		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
688+0,000	28,180	2.482,167		6.917,912	10,000	510,720	43.943,066		117.905,383		
689+0,000	29,793	2.511,960		6.917,912	10,000	579,730	44.522,796		117.905,383		
689+19,052	32,576	2.544,536		6.917,912	9,526	594,127	45.116,923		117.905,383		
690+0,000	32,444	2.576,980		6.917,912	0,474	30,819	45.147,742		117.905,383		
691+0,000	28,209	2.605,189		6.917,912	10,000	606,530	45.754,272		117.905,383		
692+0,000	20,030	2.625,219		6.917,912	10,000	482,390	46.236,662		117.905,383		
693+0,000	15,805	2.641,024	1,439	6.919,351	10,000	358,350	46.595,012	14,390	117.919,773	14,390	
694+0,000	11,663	2.652,687	4,135	6.923,486	10,000	274,680	46.869,692	55,740	117.975,513	55,740	
695+0,000	10,684	2.663,371	9,198	6.932,684	10,000	223,470	47.093,162	133,330	118.108,843	120,550	12,780
696+0,000	18,360	2.681,731		6.932,684	10,000	290,440	47.383,602	91,980	118.200,823	79,200	12,780
697+0,000	16,840	2.698,571		6.932,684	10,000	352,000	47.735,602		118.200,823		
697+5,523	17,110	2.715,681		6.932,684	2,762	93,753	47.829,355		118.200,823		
698+0,000	17,883	2.733,564		6.932,684	7,239	253,297	48.082,652		118.200,823		
699+0,000	17,938	2.751,502		6.932,684	10,000	358,210	48.440,862		118.200,823		
700+0,000	8,640	2.760,142		6.932,684	10,000	265,780	48.706,642		118.200,823		
700+9,959	6,331	2.766,473		6.932,684	4,980	74,548	48.781,190		118.200,823		
701+0,000	5,585	2.772,058		6.932,684	5,021	59,824	48.841,014		118.200,823		
702+0,000	6,517	2.778,575		6.932,684	10,000	121,020	48.962,034		118.200,823		
702+14,745	7,243	2.785,818		6.932,684	7,373	101,446	49.063,480		118.200,823		
703+0,000	5,813	2.791,631		6.932,684	2,628	34,305	49.097,785		118.200,823		
703+12,959	7,437	2.799,068	0,013	6.932,697	6,480	85,853	49.183,638	0,084	118.200,908	0,084	
704+0,000	9,744	2.808,812		6.932,697	3,521	60,486	49.244,124	0,046	118.200,953	0,046	
704+9,959	9,274	2.818,086		6.932,697	4,980	94,700	49.338,824		118.200,953		
704+11,174	9,147	2.827,233		6.932,697	0,607	11,182	49.350,005		118.200,953		
704+19,052	8,468	2.835,701		6.932,697	3,939	69,385	49.419,391		118.200,953		
705+0,000	8,403	2.844,104		6.932,697	0,474	7,997	49.427,388		118.200,953		
705+19,104	9,093	2.853,197	0,050	6.932,747	9,552	167,122	49.594,509	0,478	118.201,431	0,478	
706+0,000	9,288	2.862,485	0,057	6.932,804	0,448	8,235	49.602,744	0,048	118.201,479	0,048	
707+0,000	7,248	2.869,733	0,467	6.933,271	10,000	165,360	49.768,104	5,240	118.206,719	5,240	
708+0,000	2,371	2.872,104	3,454	6.936,725	10,000	96,190	49.864,294	39,210	118.245,929	39,210	
709+0,000		2.872,104	14,338	6.951,063	10,000	23,710	49.888,004	177,920	118.423,849	113,740	64,180
709+14,276		2.872,104	24,911	6.975,974	7,138		49.888,004	280,159	118.704,008	113,066	167,093
710+0,000		2.872,104	27,980	7.003,954	2,862		49.888,004	151,374	118.855,382	45,334	106,040
711+0,000		2.872,104	29,652	7.033,606	10,000		49.888,004	576,320	119.431,702	158,400	417,920
711+17,397		2.872,104	38,494	7.072,100	8,699		49.888,004	592,768	120.024,470	137,784	454,984
712+0,000		2.872,104	44,808	7.116,908	1,302		49.888,004	108,418	120.132,888	20,616	87,802
713+0,000		2.872,104	48,898	7.165,806	10,000		49.888,004	937,060	121.069,948	158,400	778,660
714+0,000		2.872,104	44,686	7.210,492	10,000		49.888,004	935,840	122.005,788	158,400	777,440
714+17,378		2.872,104	25,501	7.235,993	8,689		49.888,004	609,855	122.615,643	137,634	472,221
714+18,592		2.872,104	24,758	7.260,751	0,607		49.888,004	30,507	122.646,150	9,615	20,892
715+0,000		2.872,104	23,806	7.284,557	0,704		49.888,004	34,189	122.680,339	11,151	23,038
715+15,592		2.872,104	15,709	7.300,266	7,796		49.888,004	308,059	122.988,398	123,489	184,570
716+0,000		2.872,104	11,814	7.312,080	2,204		49.888,004	60,661	123.049,059	34,911	25,750
716+13,806	0,012	2.872,116	4,098	7.316,178	6,903	0,083	49.888,087	109,841	123.158,899	82,960	26,881
717+0,000	0,612	2.872,728	1,766	7.317,944	3,097	1,933	49.890,020	18,161	123.177,060	18,161	
717+19,104	11,203	2.883,931		7.317,944	9,552	112,857	50.002,876	16,869	123.193,929	16,869	
718+0,000	12,048	2.895,979		7.317,944	0,448	10,416	50.013,293		123.193,929		
718+18,592	18,482	2.914,461		7.317,944	9,296	283,807	50.297,100		123.193,929		
719+0,000	18,614	2.933,075		7.317,944	0,704	26,116	50.323,215		123.193,929		
720+0,000	20,751	2.953,826		7.317,944	10,000	393,650	50.716,865		123.193,929		
720+3,384	20,870	2.974,696		7.317,944	1,692	70,423	50.787,288		123.193,929		
721+0,000	24,012	2.998,708		7.317,944	8,308	372,880	51.160,168		123.193,929		
722+0,000	29,883	3.028,591		7.317,944	10,000	538,950	51.699,118		123.193,929		
723+0,000	36,371	3.064,962		7.317,944	10,000	662,540	52.361,658		123.193,929		
724+0,000	40,149	3.105,111		7.317,944	10,000	765,200	53.126,858		123.193,929		
725+0,000	39,018	3.144,129		7.317,944	10,000	791,670	53.918,528		123.193,929		
726+0,000	38,564	3.182,693		7.317,944	10,000	775,820	54.694,348		123.193,929		
727+0,000	34,697	3.217,390		7.317,944	10,000	732,610	55.426,958		123.193,929		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
727+3,496	33,736	3.251,126		7.317,944	1,748	119,621	55.546,579		123.193,929		
728+0,000	27,968	3.279,094		7.317,944	8,252	509,181	56.055,760		123.193,929		
729+0,000	24,973	3.304,067		7.317,944	10,000	529,410	56.585,170		123.193,929		
730+0,000	15,482	3.319,549		7.317,944	10,000	404,550	56.989,720		123.193,929		
731+0,000	8,741	3.328,290		7.317,944	10,000	242,230	57.231,950		123.193,929		
732+0,000	3,317	3.331,607	0,065	7.318,009	10,000	120,580	57.352,530	0,650	123.194,579	0,650	
732+3,384	2,852	3.334,459	0,093	7.318,102	1,692	10,438	57.362,968	0,267	123.194,846	0,267	
733+0,000	1,934	3.336,393	0,374	7.318,476	8,308	39,762	57.402,730	3,880	123.198,726	3,880	
734+0,000	0,148	3.336,541	4,506	7.322,982	10,000	20,820	57.423,550	48,800	123.247,526	48,800	
735+0,000		3.336,541	8,708	7.331,690	10,000	1,480	57.425,030	132,140	123.379,666	124,260	7,880
736+0,000		3.336,541	9,688	7.341,378	10,000		57.425,030	183,960	123.563,626	158,400	25,560
737+0,000	1,324	3.337,865	4,367	7.345,745	10,000	13,240	57.438,270	140,550	123.704,176	122,870	17,680
738+0,000	1,466	3.339,331	1,615	7.347,360	10,000	27,900	57.466,170	59,820	123.763,996	59,820	
739+0,000	3,277	3.342,608	0,002	7.347,362	10,000	47,430	57.513,600	16,170	123.780,166	16,170	
740+0,000	4,488	3.347,096	0,006	7.347,368	10,000	77,650	57.591,250	0,080	123.780,246	0,080	
741+0,000	1,942	3.349,038	0,183	7.347,551	10,000	64,300	57.655,550	1,890	123.782,136	1,890	
742+0,000	6,011	3.355,049		7.347,551	10,000	79,530	57.735,080	1,830	123.783,966	1,830	
743+0,000	1,456	3.356,505	2,846	7.350,397	10,000	74,670	57.809,750	28,460	123.812,426	28,460	
744+0,000		3.356,505	11,677	7.362,074	10,000	14,560	57.824,310	145,230	123.957,656	107,660	37,570
744+4,576		3.356,505	13,400	7.375,474	2,288		57.824,310	57,376	124.015,032	36,242	21,134
745+0,000		3.356,505	17,734	7.393,208	7,712		57.824,310	240,105	124.255,137	122,158	117,947
746+0,000		3.356,505	22,022	7.415,230	10,000		57.824,310	397,560	124.652,697	158,400	239,160
747+0,000		3.356,505	21,932	7.437,162	10,000		57.824,310	439,540	125.092,237	158,400	281,140
748+0,000		3.356,505	30,585	7.467,747	10,000		57.824,310	525,170	125.617,407	158,400	366,770
748+2,318		3.356,505	31,983	7.499,730	1,159		57.824,310	72,516	125.689,924	18,359	54,157
749+0,000		3.356,505	17,939	7.517,669	8,841		57.824,310	441,360	126.131,284	140,041	301,319
750+0,000		3.356,505	11,490	7.529,159	10,000		57.824,310	294,290	126.425,574	158,400	135,890
751+0,000		3.356,505	9,423	7.538,582	10,000		57.824,310	209,130	126.634,704	158,400	50,730
751+4,576		3.356,505	8,140	7.546,722	2,288		57.824,310	40,184	126.674,888	36,242	3,942
751+14,840		3.356,505	6,959	7.553,681	5,132		57.824,310	77,488	126.752,376	76,359	1,129
752+0,000		3.356,505	5,661	7.559,342	2,580		57.824,310	32,560	126.784,936	32,560	
753+0,000	3,027	3.359,532	0,847	7.560,189	10,000	30,270	57.854,580	65,080	126.850,016	65,080	
753+6,762	6,099	3.365,631		7.560,189	3,381	30,855	57.885,435	2,864	126.852,880	2,864	
754+0,000	15,321	3.380,952		7.560,189	6,619	141,779	58.027,214		126.852,880		
754+4,762	15,621	3.396,573		7.560,189	2,381	73,673	58.100,887		126.852,880		
754+16,974	13,938	3.410,511		7.560,189	6,106	180,487	58.281,374		126.852,880		
755+0,000	14,241	3.424,752		7.560,189	1,513	42,635	58.324,009		126.852,880		
755+2,762	14,513	3.439,265		7.560,189	1,381	39,709	58.363,718		126.852,880		
756+0,000	13,921	3.453,186		7.560,189	8,619	245,073	58.608,791		126.852,880		
756+12,762	10,386	3.463,572		7.560,189	6,381	155,103	58.763,894		126.852,880		
757+0,000	8,779	3.472,351		7.560,189	3,619	69,358	58.833,252		126.852,880		
757+13,348	7,958	3.480,309		7.560,189	6,674	111,703	58.944,955		126.852,880		
758+0,000	7,258	3.487,567		7.560,189	3,326	50,608	58.995,563		126.852,880		
SEGMENTO PAVIMENTADO (EST. 758+0,00 a 776+0,00) COMUNIDADE SANTA FÉ											
776+0,000	7,307	3.494,874		7.560,189			58.995,563		126.852,880		
776+0,144	7,366	3.502,240		7.560,189	0,072	1,056	58.996,620		126.852,880		
777+0,000	2,382	3.504,622		7.560,189	9,928	96,778	59.093,398		126.852,880		
777+3,711	2,282	3.506,904		7.560,189	1,856	8,654	59.102,052		126.852,880		
778+0,000	0,426	3.507,330	1,942	7.562,131	8,145	22,055	59.124,107	15,817	126.868,696	15,817	
778+6,700		3.507,330	4,332	7.566,463	3,350	1,427	59.125,534	21,018	126.889,714	21,018	
779+0,000		3.507,330	7,661	7.574,124	6,650		59.125,534	79,753	126.969,468	79,753	
780+0,000		3.507,330	13,878	7.588,002	10,000		59.125,534	215,390	127.184,858	155,810	59,580
781+0,000		3.507,330	20,416	7.608,418	10,000		59.125,534	342,940	127.527,798	158,400	184,540
782+0,000		3.507,330	25,116	7.633,534	10,000		59.125,534	455,320	127.983,118	158,400	296,920
783+0,000		3.507,330	30,785	7.664,319	10,000		59.125,534	559,010	128.542,128	158,400	400,610
783+6,700		3.507,330	34,658	7.698,977	3,350		59.125,534	219,234	128.761,362	53,064	166,170
784+0,000		3.507,330	32,075	7.731,052	6,650		59.125,534	443,774	129.205,136	105,336	338,438
784+16,700		3.507,330	59,180	7.790,232	8,350		59.125,534	761,979	129.967,115	132,264	629,715

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
PONTE SOBRE O RIO DOS BUGRES											
786+16,700		3.507,330	38,668	7.828,900			59.125,534		129.967,115		
787+0,000		3.507,330	31,722	7.860,622	1,650		59.125,534	116,144	130.083,259	26,136	90,008
788+0,000		3.507,330	16,727	7.877,349	10,000		59.125,534	484,490	130.567,749	158,400	326,090
788+6,700		3.507,330	14,831	7.892,180	3,350		59.125,534	105,719	130.673,468	53,064	52,655
789+0,000		3.507,330	12,584	7.904,764	6,650		59.125,534	182,310	130.855,778	105,336	76,974
790+0,000		3.507,330	9,868	7.914,632	10,000		59.125,534	224,520	131.080,298	158,400	66,120
790+15,861		3.507,330	12,206	7.926,838	7,931		59.125,534	175,058	131.255,356	125,619	49,439
791+0,000		3.507,330	12,364	7.939,202	2,070		59.125,534	50,848	131.306,203	32,781	18,067
792+0,000		3.507,330	10,058	7.949,260	10,000		59.125,534	224,220	131.530,423	158,400	65,820
792+15,528		3.507,330	6,988	7.956,248	7,764		59.125,534	132,345	131.662,769	115,746	16,599
793+0,000		3.507,330	6,705	7.962,953	2,236		59.125,534	30,618	131.693,386	30,618	
793+13,861		3.507,330	6,034	7.968,987	6,931		59.125,534	88,288	131.781,674	88,288	
794+0,000		3.507,330	6,265	7.975,252	3,070		59.125,534	37,752	131.819,426	37,752	
794+12,194		3.507,330	6,986	7.982,238	6,097		59.125,534	80,791	131.900,217	80,791	
794+15,861		3.507,330	7,416	7.989,654	1,834		59.125,534	26,406	131.926,623	26,406	
795+0,000		3.507,330	8,285	7.997,939	2,070		59.125,534	32,493	131.959,116	31,738	0,755
796+0,000		3.507,330	10,805	8.008,744	10,000		59.125,534	190,900	132.150,016	158,400	32,500
796+6,700		3.507,330	12,976	8.021,720	3,350		59.125,534	79,666	132.229,683	53,064	26,602
797+0,000		3.507,330	12,656	8.034,376	6,650		59.125,534	170,453	132.400,135	105,336	65,117
798+0,000		3.507,330	15,318	8.049,694	10,000		59.125,534	279,740	132.679,875	158,400	121,340
799+0,000		3.507,330	14,914	8.064,608	10,000		59.125,534	302,320	132.982,195	158,400	143,920
799+1,142		3.507,330	15,003	8.079,611	0,571		59.125,534	17,083	132.999,278	9,045	8,038
800+0,000		3.507,330	14,898	8.094,509	9,429		59.125,534	281,937	133.281,214	149,355	132,582
801+0,000		3.507,330	12,416	8.106,925	10,000		59.125,534	273,140	133.554,354	158,400	114,740
802+0,000		3.507,330	11,282	8.118,207	10,000		59.125,534	236,980	133.791,334	158,400	78,580
802+6,000		3.507,330	11,012	8.129,219	3,000		59.125,534	66,882	133.858,216	47,520	19,362
803+0,000		3.507,330	11,850	8.141,069	7,000		59.125,534	160,034	134.018,250	110,880	49,154
803+6,422		3.507,330	13,646	8.154,715	3,211		59.125,534	81,868	134.100,118	50,862	31,006
803+10,089		3.507,330	15,011	8.169,726	1,834		59.125,534	52,543	134.152,661	29,043	23,500
804+0,000		3.507,330	14,852	8.184,578	4,956		59.125,534	147,986	134.300,647	78,495	69,491
804+8,422		3.507,330	13,735	8.198,313	4,211		59.125,534	120,380	134.421,027	66,702	53,678
805+0,000		3.507,330	12,620	8.210,933	5,789		59.125,534	152,569	134.573,596	91,698	60,871
805+6,756		3.507,330	14,686	8.225,619	3,378		59.125,534	92,240	134.665,835	53,508	38,732
806+0,000		3.507,330	20,826	8.246,445	6,622		59.125,534	235,160	134.900,996	104,892	130,268
807+0,000		3.507,330	16,579	8.263,024	10,000		59.125,534	374,050	135.275,046	158,400	215,650
807+6,422		3.507,330	17,222	8.280,246	3,211		59.125,534	108,535	135.383,581	50,862	57,673
808+0,000		3.507,330	14,626	8.294,872	6,789		59.125,534	216,216	135.599,797	107,538	108,678
809+0,000		3.507,330	16,210	8.311,082	10,000		59.125,534	308,360	135.908,157	158,400	149,960
809+6,000		3.507,330	16,131	8.327,213	3,000		59.125,534	97,023	136.005,180	47,520	49,503
810+0,000		3.507,330	17,208	8.344,421	7,000		59.125,534	233,373	136.238,553	110,880	122,493
811+0,000		3.507,330	17,751	8.362,172	10,000		59.125,534	349,590	136.588,143	158,400	191,190
812+0,000		3.507,330	16,867	8.379,039	10,000		59.125,534	346,180	136.934,323	158,400	187,780
813+0,000		3.507,330	16,697	8.395,736	10,000		59.125,534	335,640	137.269,963	158,400	177,240
814+0,000		3.507,330	17,325	8.413,061	10,000		59.125,534	340,220	137.610,183	158,400	181,820
815+0,000		3.507,330	17,170	8.430,231	10,000		59.125,534	344,950	137.955,133	158,400	186,550
815+4,919		3.507,330	17,022	8.447,253	2,460		59.125,534	84,095	138.039,228	38,958	45,137
816+0,000		3.507,330	17,951	8.465,204	7,541		59.125,534	263,714	138.302,942	119,442	144,272
817+0,000		3.507,330	16,304	8.481,508	10,000		59.125,534	342,550	138.645,492	158,400	184,150
818+0,000		3.507,330	18,578	8.500,086	10,000		59.125,534	348,820	138.994,312	158,400	190,420
819+0,000		3.507,330	16,794	8.516,880	10,000		59.125,534	353,720	139.348,032	158,400	195,320
820+0,000		3.507,330	14,603	8.531,483	10,000		59.125,534	313,970	139.662,002	158,400	155,570
821+0,000		3.507,330	12,424	8.543,907	10,000		59.125,534	270,270	139.932,272	158,400	111,870
822+0,000		3.507,330	10,501	8.554,408	10,000		59.125,534	229,250	140.161,522	158,400	70,850
823+0,000		3.507,330	8,003	8.562,411	10,000		59.125,534	185,040	140.346,562	158,400	26,640
824+0,000		3.507,330	8,654	8.571,065	10,000		59.125,534	166,570	140.513,132	158,400	8,170
824+1,612		3.507,330	8,720	8.579,785	0,806		59.125,534	14,003	140.527,136	12,767	1,236
825+0,000		3.507,330	6,730	8.586,515	9,194		59.125,534	142,047	140.669,183	134,692	7,355

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
825+4,919		3.507,330	6,943	8.593,458	2,460		59.125,534	33,629	140.702,812	33,629	
826+0,000		3.507,330	6,320	8.599,778	7,541		59.125,534	100,010	140.802,821	100,010	
826+5,612		3.507,330	6,664	8.606,442	2,806		59.125,534	36,433	140.839,254	36,433	
827+0,000		3.507,330	6,707	8.613,149	7,194		59.125,534	96,191	140.935,445	96,191	
827+3,612		3.507,330	6,928	8.620,077	1,806		59.125,534	24,625	140.960,070	24,625	
828+0,000		3.507,330	8,100	8.628,177	8,194		59.125,534	123,139	141.083,210	121,665	1,474
828+1,612		3.507,330	8,610	8.636,787	0,806		59.125,534	13,468	141.096,678	12,767	0,701
829+0,000		3.507,330	9,567	8.646,354	9,194		59.125,534	167,119	141.263,797	145,633	21,486
830+0,000		3.507,330	12,476	8.658,830	10,000		59.125,534	220,430	141.484,227	158,400	62,030
830+18,340		3.507,330	13,214	8.672,044	9,170		59.125,534	235,577	141.719,804	145,253	90,324
831+0,000		3.507,330	12,360	8.684,404	0,830		59.125,534	21,226	141.741,031	13,147	8,079
831+9,391		3.507,330	15,022	8.699,426	4,696		59.125,534	128,572	141.869,603	74,377	54,195
832+0,000		3.507,330	14,248	8.713,674	5,305		59.125,534	155,263	142.024,866	84,023	71,240
833+0,000		3.507,330	13,307	8.726,981	10,000		59.125,534	275,550	142.300,416	158,400	117,150
834+0,000		3.507,330	14,064	8.741,045	10,000		59.125,534	273,710	142.574,126	158,400	115,310
834+17,170		3.507,330	11,776	8.752,821	8,585		59.125,534	221,836	142.795,962	135,986	85,850
835+0,000		3.507,330	11,673	8.764,494	1,415		59.125,534	33,180	142.829,143	22,414	10,766
835+15,170		3.507,330	6,385	8.770,879	7,585		59.125,534	136,970	142.966,112	108,503	28,467
836+0,000		3.507,330	5,441	8.776,320	2,415		59.125,534	28,560	142.994,672	28,560	
836+13,170	1,907	3.509,237	4,670	8.780,990	6,585	12,558	59.138,092	66,581	143.061,253	66,581	
837+0,000	1,281	3.510,518	4,401	8.785,391	3,415	10,887	59.148,979	30,977	143.092,231	30,977	
838+0,000	2,602	3.513,120	3,097	8.788,488	10,000	38,830	59.187,809	74,980	143.167,211	74,980	
838+17,170	3,840	3.516,960	3,744	8.792,232	8,585	55,305	59.243,113	58,730	143.225,941	58,730	
838+18,340	3,839	3.520,799	3,696	8.795,928	0,585	4,492	59.247,606	4,352	143.230,293	4,352	
839+0,000	3,843	3.524,642	3,500	8.799,428	0,830	6,376	59.253,982	5,973	143.236,266	5,973	
839+19,529	6,273	3.530,915	2,062	8.801,490	9,765	98,778	59.352,759	54,310	143.290,576	54,310	
840+0,000	6,143	3.537,058	2,107	8.803,597	0,236	2,924	59.355,683	0,982	143.291,558	0,982	
841+0,000	4,448	3.541,506	2,104	8.805,701	10,000	105,910	59.461,593	42,110	143.333,668	42,110	
842+0,000	3,484	3.544,990	2,243	8.807,944	10,000	79,320	59.540,913	43,470	143.377,138	43,470	
843+0,000	2,344	3.547,334	1,388	8.809,332	10,000	58,280	59.599,193	36,310	143.413,448	36,310	
844+0,000	2,107	3.549,441	1,847	8.811,179	10,000	44,510	59.643,703	32,350	143.445,798	32,350	
845+0,000	0,670	3.550,111	3,412	8.814,591	10,000	27,770	59.671,473	52,590	143.498,388	52,590	
846+0,000		3.550,111	5,793	8.820,384	10,000	6,700	59.678,173	92,050	143.590,438	92,050	
846+9,764	0,405	3.550,516	4,199	8.824,583	4,882	1,977	59.680,151	48,781	143.639,219	48,781	
846+19,529	0,344	3.550,860	4,644	8.829,227	4,883	3,657	59.683,808	43,180	143.682,399	43,180	
847+0,000	0,338	3.551,198	4,667	8.833,894	0,236	0,161	59.683,969	2,193	143.684,592	2,193	
848+0,000	3,753	3.554,951	2,685	8.836,579	10,000	40,910	59.724,879	73,520	143.758,112	73,520	
849+0,000	0,503	3.555,454	3,349	8.839,928	10,000	42,560	59.767,439	60,340	143.818,452	60,340	
850+0,000	0,132	3.555,586	6,930	8.846,858	10,000	6,350	59.773,789	102,790	143.921,242	102,790	
851+0,000		3.555,586	10,805	8.857,663	10,000	1,320	59.775,109	177,350	144.098,592	148,500	28,850
852+0,000		3.555,586	8,872	8.866,535	10,000		59.775,109	196,770	144.295,362	158,400	38,370
853+0,000		3.555,586	11,707	8.878,242	10,000		59.775,109	205,790	144.501,152	158,400	47,390
854+0,000		3.555,586	25,793	8.904,035	10,000		59.775,109	375,000	144.876,152	158,400	216,600
855+0,000		3.555,586	15,834	8.919,869	10,000		59.775,109	416,270	145.292,422	158,400	257,870
856+0,000		3.555,586	14,308	8.934,177	10,000		59.775,109	301,420	145.593,842	158,400	143,020
857+0,000		3.555,586	17,699	8.951,876	10,000		59.775,109	320,070	145.913,912	158,400	161,670
858+0,000		3.555,586	21,435	8.973,311	10,000		59.775,109	391,340	146.305,252	158,400	232,940
859+0,000		3.555,586	19,837	8.993,148	10,000		59.775,109	412,720	146.717,972	158,400	254,320
860+0,000		3.555,586	20,668	9.013,816	10,000		59.775,109	405,050	147.123,022	158,400	246,650
861+0,000		3.555,586	16,346	9.030,162	10,000		59.775,109	370,140	147.493,162	158,400	211,740
862+0,000		3.555,586	12,292	9.042,454	10,000		59.775,109	286,380	147.779,542	158,400	127,980
863+0,000		3.555,586	7,978	9.050,432	10,000		59.775,109	202,700	147.982,242	158,400	44,300
864+0,000		3.555,586	5,370	9.055,802	10,000		59.775,109	133,480	148.115,722	132,900	0,580
865+0,000		3.555,586	6,850	9.062,652	10,000		59.775,109	122,200	148.237,922	122,200	
866+0,000		3.555,586	10,416	9.073,068	10,000		59.775,109	172,660	148.410,582	147,700	24,960
867+0,000		3.555,586	19,766	9.092,834	10,000		59.775,109	301,820	148.712,402	158,400	143,420
868+0,000		3.555,586	11,682	9.104,516	10,000		59.775,109	314,480	149.026,882	158,400	156,080
868+3,221		3.555,586	11,781	9.116,297	1,611		59.775,109	37,787	149.064,669	25,510	12,277

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C. Acum. (m³)	Vol. Aterro (m³)	Vol. A. Acum. (m³)	100% PI	100% PN
869+0,000		3.555,586	8,782	9.125,079	8,390		59.775,109	172,513	149.237,182	132,890	39,623
869+15,790		3.555,586	8,388	9.133,467	7,895		59.775,109	135,557	149.372,739	125,057	10,500
870+0,000		3.555,586	8,050	9.141,517	2,105		59.775,109	34,602	149.407,341	33,343	1,259
871+0,000		3.555,586	5,632	9.147,149	10,000		59.775,109	136,820	149.544,161	135,520	1,300
872+0,000		3.555,586	9,092	9.156,241	10,000		59.775,109	147,240	149.691,401	135,520	11,720
873+0,000		3.555,586	12,685	9.168,926	10,000		59.775,109	217,770	149.909,171	158,400	59,370
873+5,892		3.555,586	15,299	9.184,225	2,946		59.775,109	82,441	149.991,612	46,665	35,776
874+0,000		3.555,586	20,758	9.204,983	7,054		59.775,109	254,346	150.245,958	111,735	142,611
874+3,892		3.555,586	23,115	9.228,098	1,946		59.775,109	85,377	150.331,335	30,825	54,552
875+0,000		3.555,586	51,622	9.279,720	8,054		59.775,109	601,932	150.933,267	127,575	474,357
875+1,892		3.555,586	74,153	9.353,873	0,946		59.775,109	118,983	151.052,250	14,985	103,998
875+19,892		3.555,586	42,320	9.396,193	9,000		59.775,109	1.048,257	152.100,507	142,560	905,697
876+0,000		3.555,586	42,181	9.438,374	0,054		59.775,109	4,563	152.105,070	0,855	3,708
876+5,892		3.555,586	22,500	9.460,874	2,946		59.775,109	190,550	152.295,620	46,665	143,885
877+0,000		3.555,586	27,814	9.488,688	7,054		59.775,109	354,915	152.650,535	111,735	243,180
878+0,000		3.555,586	24,555	9.513,243	10,000		59.775,109	523,690	153.174,225	158,400	365,290
878+6,981		3.555,586	23,212	9.536,455	3,491		59.775,109	166,731	153.340,956	55,290	111,441
879+0,000		3.555,586	19,499	9.555,954	6,510		59.775,109	278,027	153.618,983	103,110	174,917
880+0,000		3.555,586	10,844	9.566,798	10,000		59.775,109	303,430	153.922,413	158,400	145,030
880+8,070		3.555,586	4,967	9.571,765	4,035		59.775,109	63,797	153.986,211	51,999	11,798
880+14,070	0,854	3.556,440	1,713	9.573,478	3,000	2,562	59.777,671	20,040	154.006,251	20,040	
881+0,000	0,618	3.557,058	1,219	9.574,697	2,965	4,364	59.782,035	8,693	154.014,944	8,693	
881+12,070	0,647	3.557,705	0,361	9.575,058	6,035	7,634	59.789,669	9,535	154.024,479	9,535	
882+0,000	2,115	3.559,820	0,952	9.576,010	3,965	10,951	59.800,621	5,206	154.029,685	5,206	
882+10,070	2,684	3.562,504	0,913	9.576,923	5,035	24,163	59.824,784	9,390	154.039,076	9,390	
883+0,000	2,105	3.564,609	1,252	9.578,175	4,965	23,777	59.848,561	10,749	154.049,825	10,749	
883+3,221	2,018	3.566,627	1,337	9.579,512	1,611	6,640	59.855,201	4,170	154.053,994	4,170	
883+8,070	1,868	3.568,495	1,444	9.580,956	2,425	9,422	59.864,623	6,743	154.060,737	6,743	
884+0,000	1,764	3.570,259	0,288	9.581,244	5,965	21,665	59.886,288	10,331	154.071,068	10,331	
885+0,000	3,399	3.573,658		9.581,244	10,000	51,630	59.937,918	2,880	154.073,948	2,880	
886+0,000	6,138	3.579,796		9.581,244	10,000	95,370	60.033,288		154.073,948		
887+0,000	12,251	3.592,047		9.581,244	10,000	183,890	60.217,178		154.073,948		
888+0,000	21,563	3.613,610		9.581,244	10,000	338,140	60.555,318		154.073,948		
889+0,000	22,598	3.636,208		9.581,244	10,000	441,610	60.996,928		154.073,948		
890+0,000	33,785	3.669,993		9.581,244	10,000	563,830	61.560,758		154.073,948		
891+0,000	34,814	3.704,807		9.581,244	10,000	685,990	62.246,748		154.073,948		
892+0,000	35,901	3.740,708		9.581,244	10,000	707,150	62.953,898		154.073,948		
893+0,000	31,950	3.772,658		9.581,244	10,000	678,510	63.632,408		154.073,948		
894+0,000	36,297	3.808,955		9.581,244	10,000	682,470	64.314,878		154.073,948		
895+0,000	35,115	3.844,070		9.581,244	10,000	714,120	65.028,998		154.073,948		
896+0,000	39,253	3.883,323		9.581,244	10,000	743,680	65.772,678		154.073,948		
897+0,000	38,111	3.921,434		9.581,244	10,000	773,640	66.546,318		154.073,948		
898+0,000	40,181	3.961,615		9.581,244	10,000	782,920	67.329,238		154.073,948		
899+0,000	38,776	4.000,391		9.581,244	10,000	789,570	68.118,808		154.073,948		
900+0,000	34,117	4.034,508		9.581,244	10,000	728,930	68.847,738		154.073,948		
901+0,000	28,170	4.062,678		9.581,244	10,000	622,870	69.470,608		154.073,948		
902+0,000	26,580	4.089,258		9.581,244	10,000	547,500	70.018,108		154.073,948		
903+0,000	21,714	4.110,972		9.581,244	10,000	482,940	70.501,048		154.073,948		
904+0,000	18,031	4.129,003		9.581,244	10,000	397,450	70.898,498		154.073,948		
905+0,000	8,046	4.137,049		9.581,244	10,000	260,770	71.159,268		154.073,948		
906+0,000	2,114	4.139,163	0,174	9.581,418	10,000	101,600	71.260,868	1,740	154.075,688	1,740	
907+0,000	0,743	4.139,906	4,173	9.585,591	10,000	28,570	71.289,438	43,470	154.119,158	43,470	
908+0,000		4.139,906	10,286	9.595,877	10,000	7,430	71.296,868	144,590	154.263,748	120,930	23,660
909+0,000		4.139,906	18,635	9.614,512	10,000		71.296,868	289,210	154.552,958	158,400	130,810
910+0,000		4.139,906	24,522	9.639,034	10,000		71.296,868	431,570	154.984,528	158,400	273,170
911+0,000		4.139,906	26,369	9.665,403	10,000		71.296,868	508,910	155.493,438	158,400	350,510
912+0,000		4.139,906	24,782	9.690,185	10,000		71.296,868	511,510	156.004,948	158,400	353,110
913+0,000		4.139,906	24,036	9.714,221	10,000		71.296,868	488,180	156.493,128	158,400	329,780

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
913+3,840		4.139,906	22,848	9.737,069	1,920		71.296,868	90,017	156.583,146	30,413	59,604
914+0,000		4.139,906	21,711	9.758,780	8,080		71.296,868	360,037	156.943,182	127,987	232,050
915+0,000		4.139,906	20,021	9.778,801	10,000		71.296,868	417,320	157.360,502	158,400	258,920
916+0,000	0,171	4.140,077	14,329	9.793,130	10,000	1,710	71.298,578	343,500	157.704,002	158,400	185,100
917+0,000	1,218	4.141,295	12,380	9.805,510	10,000	13,890	71.312,468	267,090	157.971,092	158,400	108,690
918+0,000	1,554	4.142,849	8,228	9.813,738	10,000	27,720	71.340,188	206,080	158.177,172	158,400	47,680
919+0,000	1,273	4.144,122	6,555	9.820,293	10,000	28,270	71.368,458	147,830	158.325,002	144,750	3,080
920+0,000	1,091	4.145,213	5,235	9.825,528	10,000	23,640	71.392,098	117,900	158.442,902	117,900	
921+0,000	0,545	4.145,758	3,677	9.829,205	10,000	16,360	71.408,458	89,120	158.532,022	89,120	
922+0,000	1,677	4.147,435	3,410	9.832,615	10,000	22,220	71.430,678	70,870	158.602,892	70,870	
923+0,000	3,445	4.150,880	2,751	9.835,366	10,000	51,220	71.481,898	61,610	158.664,502	61,610	
923+3,840	3,947	4.154,827	2,401	9.837,767	1,920	14,193	71.496,090	9,892	158.674,394	9,892	
924+0,000	3,251	4.158,078	0,588	9.838,355	8,080	58,160	71.554,250	24,151	158.698,545	24,151	
925+0,000	4,972	4.163,050		9.838,355	10,000	82,230	71.636,480	5,880	158.704,425	5,880	
926+0,000	6,797	4.169,847		9.838,355	10,000	117,690	71.754,170		158.704,425		
927+0,000	7,954	4.177,801		9.838,355	10,000	147,510	71.901,680		158.704,425		
928+0,000	12,248	4.190,049		9.838,355	10,000	202,020	72.103,700		158.704,425		
929+0,000	27,188	4.217,237		9.838,355	10,000	394,360	72.498,060		158.704,425		
929+5,059	31,560	4.248,797		9.838,355	2,530	148,603	72.646,663		158.704,425		
930+0,000	21,344	4.270,141		9.838,355	7,471	395,219	73.041,882		158.704,425		
931+0,000	27,136	4.297,277		9.838,355	10,000	484,800	73.526,682		158.704,425		
932+0,000	31,246	4.328,523		9.838,355	10,000	583,820	74.110,502		158.704,425		
933+0,000	30,282	4.358,805		9.838,355	10,000	615,280	74.725,782		158.704,425		
934+0,000	27,458	4.386,263		9.838,355	10,000	577,400	75.303,182		158.704,425		
935+0,000	24,440	4.410,703		9.838,355	10,000	518,980	75.822,162		158.704,425		
936+0,000	29,175	4.439,878		9.838,355	10,000	536,150	76.358,312		158.704,425		
937+0,000	32,106	4.471,984		9.838,355	10,000	612,810	76.971,122		158.704,425		
938+0,000	39,492	4.511,476		9.838,355	10,000	715,980	77.687,102		158.704,425		
939+0,000	45,254	4.556,730		9.838,355	10,000	847,460	78.534,562		158.704,425		
940+0,000	48,091	4.604,821		9.838,355	10,000	933,450	79.468,012		158.704,425		
941+0,000	41,011	4.645,832		9.838,355	10,000	891,020	80.359,032		158.704,425		
942+0,000	33,472	4.679,304		9.838,355	10,000	744,830	81.103,862		158.704,425		
942+6,509	30,751	4.710,055		9.838,355	3,255	209,014	81.312,876		158.704,425		
943+0,000	25,944	4.735,999		9.838,355	6,746	382,436	81.695,312		158.704,425		
944+0,000	20,273	4.756,272		9.838,355	10,000	462,170	82.157,482		158.704,425		
944+5,059	17,827	4.774,099		9.838,355	2,530	96,374	82.253,856		158.704,425		
945+0,000	9,733	4.783,832		9.838,355	7,471	205,887	82.459,743		158.704,425		
946+0,000	5,683	4.789,515	0,003	9.838,358	10,000	154,160	82.613,903	0,030	158.704,455	0,030	
947+0,000	2,232	4.791,747	2,812	9.841,170	10,000	79,150	82.693,053	28,150	158.732,605	28,150	
948+0,000	0,125	4.791,872	8,191	9.849,361	10,000	23,570	82.716,623	110,030	158.842,635	107,320	2,710
949+0,000	0,175	4.792,047	12,363	9.861,724	10,000	3,000	82.719,623	205,540	159.048,175	158,400	47,140
950+0,000		4.792,047	18,708	9.880,432	10,000	1,750	82.721,373	310,710	159.358,885	158,400	152,310
951+0,000		4.792,047	19,908	9.900,340	10,000		82.721,373	386,160	159.745,045	158,400	227,760
951+18,911		4.792,047	19,283	9.919,623	9,456		82.721,373	370,571	160.115,616	149,775	220,796
952+0,000		4.792,047	19,452	9.939,075	0,545		82.721,373	21,091	160.136,707	8,625	12,466
953+0,000		4.792,047	21,013	9.960,088	10,000		82.721,373	404,650	160.541,357	158,400	246,250
954+0,000		4.792,047	22,340	9.982,428	10,000		82.721,373	433,530	160.974,887	158,400	275,130
954+5,457		4.792,047	24,148	10.006,576	2,729		82.721,373	126,843	161.101,730	43,219	83,624
955+0,000		4.792,047	19,318	10.025,894	7,272		82.721,373	316,063	161.417,793	115,181	200,882
956+0,000		4.792,047	16,647	10.042,541	10,000		82.721,373	359,650	161.777,443	158,400	201,250
957+0,000		4.792,047	15,361	10.057,902	10,000		82.721,373	320,080	162.097,523	158,400	161,680
958+0,000		4.792,047	13,198	10.071,100	10,000		82.721,373	285,590	162.383,113	158,400	127,190
959+0,000	0,052	4.792,099	12,171	10.083,271	10,000	0,520	82.721,893	253,690	162.636,803	158,400	95,290
960+0,000		4.792,099	13,189	10.096,460	10,000	0,520	82.722,413	253,600	162.890,403	158,400	95,200
961+0,000	0,730	4.792,829	11,510	10.107,970	10,000	7,300	82.729,713	246,990	163.137,393	158,400	88,590
962+0,000		4.792,829	13,294	10.121,264	10,000	7,300	82.737,013	248,040	163.385,433	158,400	89,640
963+0,000		4.792,829	13,048	10.134,312	10,000		82.737,013	263,420	163.648,853	158,400	105,020
964+0,000		4.792,829	12,793	10.147,105	10,000		82.737,013	258,410	163.907,263	158,400	100,010

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
965+0,000		4.792,829	11,570	10.158,675	10,000		82.737,013	243,630	164.150,893	158,400	85,230
966+0,000		4.792,829	8,217	10.166,892	10,000		82.737,013	197,870	164.348,763	158,400	39,470
966+18,911	1,580	4.794,409	6,225	10.173,117	9,456	14,940	82.751,953	136,556	164.485,319	133,748	2,808
967+0,000	1,885	4.796,294	6,148	10.179,265	0,545	1,887	82.753,840	6,737	164.492,056	6,737	
967+2,803	1,641	4.797,935	6,320	10.185,585	1,402	4,942	82.758,781	17,474	164.509,530	17,474	
968+0,000	4,835	4.802,770	4,882	10.190,467	8,599	55,684	82.814,465	96,320	164.605,850	96,320	
969+0,000	5,569	4.808,339	3,021	10.193,488	10,000	104,040	82.918,505	79,030	164.684,880	79,030	
969+4,357	6,018	4.814,357	3,122	10.196,610	2,179	25,242	82.943,747	13,383	164.698,263	13,383	
970+0,000	5,646	4.820,003	1,423	10.198,033	7,822	91,230	83.034,977	35,549	164.733,812	35,549	
971+0,000	9,168	4.829,171		10.198,033	10,000	148,140	83.183,117	14,230	164.748,042	14,230	
971+9,142	10,594	4.839,765		10.198,033	4,571	90,332	83.273,450		164.748,042		
972+0,000	11,610	4.851,375		10.198,033	5,429	120,546	83.393,995		164.748,042		
972+7,357	12,028	4.863,403		10.198,033	3,679	86,952	83.480,947		164.748,042		
973+0,000	13,176	4.876,579		10.198,033	6,322	159,327	83.640,275		164.748,042		
973+4,357	13,808	4.890,387		10.198,033	2,179	58,785	83.699,059		164.748,042		
973+5,571	13,974	4.904,361		10.198,033	0,607	16,864	83.715,923		164.748,042		
974+0,000	22,426	4.926,787		10.198,033	7,215	262,608	83.978,531		164.748,042		
975+0,000	34,227	4.961,014		10.198,033	10,000	566,530	84.545,061		164.748,042		
976+0,000	45,728	5.006,742		10.198,033	10,000	799,550	85.344,611		164.748,042		
976+12,413	53,706	5.060,448		10.198,033	6,207	617,137	85.961,748		164.748,042		
977+0,000	56,182	5.116,630		10.198,033	3,794	416,860	86.378,608		164.748,042		
977+2,803	56,688	5.173,318		10.198,033	1,402	158,187	86.536,795		164.748,042		
978+0,000	52,653	5.225,971		10.198,033	8,599	940,169	87.476,964		164.748,042		
979+0,000	46,075	5.272,046		10.198,033	10,000	987,280	88.464,244		164.748,042		
979+19,256	33,542	5.305,588		10.198,033	9,628	766,552	89.230,796		164.748,042		
980+0,000	32,431	5.338,019		10.198,033	0,372	24,542	89.255,338		164.748,042		
980+0,470	31,751	5.369,770		10.198,033	0,235	15,083	89.270,421		164.748,042		
980+17,470	17,703	5.387,473		10.198,033	8,500	420,359	89.690,780		164.748,042		
981+0,000	15,384	5.402,857		10.198,033	1,265	41,855	89.732,635		164.748,042		
981+15,684	2,757	5.405,614	0,023	10.198,056	7,842	142,262	89.874,897	0,180	164.748,222	0,180	
982+0,000	0,657	5.406,271	1,001	10.199,057	2,158	7,367	89.882,264	2,210	164.750,432	2,210	
983+0,000		5.406,271	12,442	10.211,499	10,000	6,570	89.888,834	134,430	164.884,862	89,210	45,220
984+0,000		5.406,271	27,055	10.238,554	10,000		89.888,834	394,970	165.279,832	158,400	236,570
984+0,470		5.406,271	27,285	10.265,839	0,235		89.888,834	12,770	165.292,602	3,722	9,048
985+0,000		5.406,271	36,762	10.302,601	9,765		89.888,834	625,419	165.918,021	154,678	470,741
986+0,000		5.406,271	44,583	10.347,184	10,000		89.888,834	813,450	166.731,471	158,400	655,050
987+0,000		5.406,271	31,186	10.378,370	10,000		89.888,834	757,690	167.489,161	158,400	599,290
988+0,000		5.406,271	25,034	10.403,404	10,000		89.888,834	562,200	168.051,361	158,400	403,800
989+0,000		5.406,271	23,518	10.426,922	10,000		89.888,834	485,520	168.536,881	158,400	327,120
990+0,000		5.406,271	15,024	10.441,946	10,000		89.888,834	385,420	168.922,301	158,400	227,020
991+0,000	0,023	5.406,294	10,310	10.452,256	10,000	0,230	89.889,064	253,340	169.175,641	158,400	94,940
992+0,000	1,813	5.408,107	3,026	10.455,282	10,000	18,360	89.907,424	133,360	169.309,001	109,460	23,900
993+0,000	8,461	5.416,568		10.455,282	10,000	102,740	90.010,164	30,260	169.339,261	30,260	
993+4,554	11,489	5.428,057		10.455,282	2,277	45,426	90.055,590		169.339,261		
994+0,000	22,432	5.450,489		10.455,282	7,723	261,972	90.317,562		169.339,261		
994+16,123	25,130	5.475,619		10.455,282	8,062	383,421	90.700,983		169.339,261		
995+0,000	29,109	5.504,728		10.455,282	1,939	105,142	90.806,126		169.339,261		
996+0,000	40,328	5.545,056		10.455,282	10,000	694,370	91.500,496		169.339,261		
997+0,000	50,494	5.595,550		10.455,282	10,000	908,220	92.408,716		169.339,261		
998+0,000	45,916	5.641,466		10.455,282	10,000	964,100	93.372,816		169.339,261		
999+0,000	37,903	5.679,369		10.455,282	10,000	838,190	94.211,006		169.339,261		
1000+0,000	30,483	5.709,852		10.455,282	10,000	683,860	94.894,866		169.339,261		
1001+0,000	19,456	5.729,308		10.455,282	10,000	499,390	95.394,256		169.339,261		
1002+0,000	4,682	5.733,990	6,158	10.461,440	10,000	241,380	95.635,636	61,580	169.400,841	61,580	
1003+0,000	0,399	5.734,389	2,061	10.463,501	10,000	50,810	95.686,446	82,190	169.483,031	82,190	
1004+0,000	0,152	5.734,541	6,383	10.469,884	10,000	5,510	95.691,956	84,440	169.567,471	84,440	
1004+15,069		5.734,541	13,066	10.482,950	7,535	1,145	95.693,101	146,538	169.714,009	107,766	38,772
1005+0,000		5.734,541	15,229	10.498,179	2,466		95.693,101	69,761	169.783,770	39,054	30,707

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1006+0,000		5.734,541	16,376	10.514,555	10,000		95.693,101	316,050	170.099,820	158,400	157,650
1007+0,000		5.734,541	17,820	10.532,375	10,000		95.693,101	341,960	170.441,780	158,400	183,560
1008+0,000		5.734,541	19,301	10.551,676	10,000		95.693,101	371,210	170.812,990	158,400	212,810
1009+0,000		5.734,541	24,911	10.576,587	10,000		95.693,101	442,120	171.255,110	158,400	283,720
1009+10,068		5.734,541	22,916	10.599,503	5,034		95.693,101	240,761	171.495,871	79,739	161,022
1010+0,000		5.734,541	22,002	10.621,505	4,966		95.693,101	223,063	171.718,934	78,661	144,402
1011+0,000		5.734,541	24,007	10.645,512	10,000		95.693,101	460,090	172.179,024	158,400	301,690
1012+0,000		5.734,541	17,627	10.663,139	10,000		95.693,101	416,340	172.595,364	158,400	257,940
1012+15,069		5.734,541	12,426	10.675,565	7,535		95.693,101	226,434	172.821,799	119,346	107,088
1013+0,000		5.734,541	9,988	10.685,553	2,466		95.693,101	55,262	172.877,060	39,054	16,208
1014+0,000	0,331	5.734,872	3,073	10.688,626	10,000	3,310	95.696,411	130,610	173.007,670	109,930	20,680
1015+0,000	6,224	5.741,096	0,022	10.688,648	10,000	65,550	95.761,961	30,950	173.038,620	30,950	
1016+0,000	9,892	5.750,988		10.688,648	10,000	161,160	95.923,121	0,220	173.038,840	0,220	
1017+0,000	13,348	5.764,336		10.688,648	10,000	232,400	96.155,521		173.038,840		
1018+0,000	10,053	5.774,389		10.688,648	10,000	234,010	96.389,531		173.038,840		
1019+0,000	1,616	5.776,005	0,770	10.689,418	10,000	116,690	96.506,221	7,700	173.046,540	7,700	
1020+0,000		5.776,005	7,911	10.697,329	10,000	16,160	96.522,381	86,810	173.133,350	86,810	
1021+0,000		5.776,005	14,229	10.711,558	10,000		96.522,381	221,400	173.354,750	158,310	63,090
1021+9,130		5.776,005	15,762	10.727,320	4,565		96.522,381	136,909	173.491,659	72,310	64,599
1022+0,000		5.776,005	16,539	10.743,859	5,435		96.522,381	175,556	173.667,215	86,090	89,466
1023+0,000		5.776,005	22,900	10.766,759	10,000		96.522,381	394,390	174.061,605	158,400	235,990
1024+0,000		5.776,005	23,669	10.790,428	10,000		96.522,381	465,690	174.527,295	158,400	307,290
1025+0,000		5.776,005	18,661	10.809,089	10,000		96.522,381	423,300	174.950,595	158,400	264,900
1026+0,000		5.776,005	16,017	10.825,106	10,000		96.522,381	346,780	175.297,375	158,400	188,380
1027+0,000		5.776,005	14,283	10.839,389	10,000		96.522,381	303,000	175.600,375	158,400	144,600
1028+0,000	0,113	5.776,118	11,213	10.850,602	10,000	1,130	96.523,511	254,960	175.855,335	158,400	96,560
1029+0,000		5.776,118	8,475	10.859,077	10,000	1,130	96.524,641	196,880	176.052,215	158,400	38,480
1029+9,130	0,529	5.776,647	5,601	10.864,678	4,565	2,415	96.527,056	64,257	176.116,472	61,723	2,534
1030+0,000	1,010	5.777,657	3,351	10.868,029	5,435	8,364	96.535,420	48,654	176.165,126	48,654	
1031+0,000	1,765	5.779,422	1,327	10.869,356	10,000	27,750	96.563,170	46,780	176.211,906	46,780	
1032+0,000	4,629	5.784,051	0,744	10.870,100	10,000	63,940	96.627,110	20,710	176.232,616	20,710	
1033+0,000	3,482	5.787,533	2,019	10.872,119	10,000	81,110	96.708,220	27,630	176.260,246	27,630	
1033+11,303	2,544	5.790,077	3,199	10.875,318	5,652	34,056	96.742,276	29,490	176.289,736	29,490	
1034+0,000	0,167	5.790,244	4,236	10.879,554	4,349	11,789	96.754,065	32,331	176.322,067	32,331	
1035+0,000	2,935	5.803,431	2,896	10.882,450	10,000	31,020	96.785,085	71,320	176.393,387	71,320	
1036+0,000	3,015	5.796,194	1,801	10.884,251	10,000	59,500	96.844,585	46,970	176.440,357	46,970	
1037+0,000	2,098	5.798,292	2,266	10.886,517	10,000	51,130	96.895,715	40,670	176.481,027	40,670	
1038+0,000	3,094	5.801,386	0,965	10.887,482	10,000	51,920	96.947,635	32,310	176.513,337	32,310	
1039+0,000	2,045	5.803,431	1,657	10.889,139	10,000	51,390	96.999,025	26,220	176.539,557	26,220	
1040+0,000	3,286	5.806,717	0,149	10.889,288	10,000	53,310	97.052,335	18,060	176.557,617	18,060	
1041+0,000	1,949	5.808,666	1,148	10.890,436	10,000	52,350	97.104,685	12,970	176.570,587	12,970	
1042+0,000	2,588	5.811,254	1,196	10.891,632	10,000	45,370	97.150,055	23,440	176.594,027	23,440	
1043+0,000	1,773	5.813,027	1,094	10.892,726	10,000	43,610	97.193,665	22,900	176.616,927	22,900	
1044+0,000	0,890	5.813,917	0,528	10.893,254	10,000	26,630	97.220,295	16,220	176.633,147	16,220	
1045+0,000	2,524	5.816,441	0,750	10.894,004	10,000	34,140	97.254,435	12,780	176.645,927	12,780	
1046+0,000	1,125	5.817,566	0,490	10.894,494	10,000	36,490	97.290,925	12,400	176.658,327	12,400	
1047+0,000	0,736	5.818,302	0,858	10.895,352	10,000	18,610	97.309,535	13,480	176.671,807	13,480	
1048+0,000	0,575	5.818,877	1,775	10.897,127	10,000	13,110	97.322,645	26,330	176.698,137	26,330	
1049+0,000		5.818,877	4,602	10.901,729	10,000	5,750	97.328,395	63,770	176.761,907	63,770	
1050+0,000	0,377	5.819,254	3,807	10.905,536	10,000	3,770	97.332,165	84,090	176.845,997	84,090	
1050+1,270	0,304	5.819,558	3,904	10.909,440	0,635	0,432	97.332,597	4,896	176.850,893	4,896	
1051+0,000	0,305	5.819,863	4,088	10.913,528	9,365	5,703	97.338,301	74,845	176.925,738	74,845	
1052+0,000		5.819,863	5,458	10.918,986	10,000	3,050	97.341,351	95,460	177.021,198	95,460	
1053+0,000	0,018	5.819,881	5,361	10.924,347	10,000	0,180	97.341,531	108,190	177.129,388	108,190	
1054+0,000		5.819,881	6,646	10.930,993	10,000	0,180	97.341,711	120,070	177.249,458	120,070	
1055+0,000	0,007	5.819,888	6,185	10.937,178	10,000	0,070	97.341,781	128,310	177.377,768	128,310	
1056+0,000		5.819,888	6,358	10.943,536	10,000	0,070	97.341,851	125,430	177.503,198	125,430	
1057+0,000		5.819,888	7,089	10.950,625	10,000		97.341,851	134,470	177.637,668	134,470	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1058+0,000	0,181	5.820,069	6,166	10.956,791	10,000	1,810	97.343,661	132,550	177.770,218	132,550	
1058+11,303	0,290	5.820,359	5,005	10.961,796	5,652	2,662	97.346,322	63,133	177.833,351	63,133	
1059+0,000		5.820,359	6,044	10.967,840	4,349	1,261	97.347,584	48,047	177.881,398	48,047	
1060+0,000	0,726	5.821,085	3,670	10.971,510	10,000	7,260	97.354,844	97,140	177.978,538	97,140	
1061+0,000	1,103	5.822,188	3,629	10.975,139	10,000	18,290	97.373,134	72,990	178.051,528	72,990	
1062+0,000	1,250	5.823,438	4,037	10.979,176	10,000	23,530	97.396,664	76,660	178.128,188	76,660	
1063+0,000	0,575	5.824,013	2,902	10.982,078	10,000	18,250	97.414,914	69,390	178.197,578	69,390	
1064+0,000		5.824,013	4,575	10.986,653	10,000	5,750	97.420,664	74,770	178.272,348	74,770	
1065+0,000	0,865	5.824,878	3,411	10.990,064	10,000	8,650	97.429,314	79,860	178.352,208	79,860	
1066+0,000	1,369	5.826,247	2,750	10.992,814	10,000	22,340	97.451,654	61,610	178.413,818	61,610	
1067+0,000	0,937	5.827,184	3,302	10.996,116	10,000	23,060	97.474,714	60,520	178.474,338	60,520	
1068+0,000	0,105	5.827,289	2,977	10.999,093	10,000	10,420	97.485,134	62,790	178.537,128	62,790	
1069+0,000	0,011	5.827,300	3,269	11.002,362	10,000	1,160	97.486,294	62,460	178.599,588	62,460	
1070+0,000	0,991	5.828,291	2,417	11.004,779	10,000	10,020	97.496,314	56,860	178.656,448	56,860	
1071+0,000	1,375	5.829,666	3,096	11.007,875	10,000	23,660	97.519,974	55,130	178.711,578	55,130	
1072+0,000	1,085	5.830,751	3,379	11.011,254	10,000	24,600	97.544,574	64,750	178.776,328	64,750	
1073+0,000	1,149	5.831,900	3,521	11.014,775	10,000	22,340	97.566,914	69,000	178.845,328	69,000	
1074+0,000	0,309	5.832,209	4,873	11.019,648	10,000	14,580	97.581,494	83,940	178.929,268	83,940	
1075+0,000	0,956	5.833,165	3,431	11.023,079	10,000	12,650	97.594,144	83,040	179.012,308	83,040	
1076+0,000	1,129	5.834,294	4,003	11.027,082	10,000	20,850	97.614,994	74,340	179.086,648	74,340	
1077+0,000	1,662	5.835,956	3,603	11.030,685	10,000	27,910	97.642,904	76,060	179.162,708	76,060	
1077+6,752	0,590	5.836,546	4,113	11.034,798	3,376	7,603	97.650,506	26,049	179.188,757	26,049	
1078+0,000	0,245	5.836,791	4,489	11.039,287	6,624	5,531	97.656,037	56,980	179.245,737	56,980	
1079+0,000	0,069	5.836,860	4,624	11.043,911	10,000	3,140	97.659,177	91,130	179.336,867	91,130	
1080+0,000	0,653	5.837,513	4,549	11.048,460	10,000	7,220	97.666,397	91,730	179.428,597	91,730	
1081+0,000	0,061	5.837,574	4,737	11.053,197	10,000	7,140	97.673,537	92,860	179.521,457	92,860	
1082+0,000	0,728	5.838,302	4,132	11.057,329	10,000	7,890	97.681,427	88,690	179.610,147	88,690	
1083+0,000		5.838,302	6,000	11.063,329	10,000	7,280	97.688,707	101,320	179.711,467	101,320	
1084+0,000	0,527	5.838,829	4,191	11.067,520	10,000	5,270	97.693,977	101,910	179.813,377	101,910	
1085+0,000	0,622	5.839,451	3,361	11.070,881	10,000	11,490	97.705,467	75,520	179.888,897	75,520	
1086+0,000	0,795	5.840,246	3,522	11.074,403	10,000	14,170	97.719,637	68,830	179.957,727	68,830	
1087+0,000	1,690	5.841,936	2,457	11.076,860	10,000	24,850	97.744,487	59,790	180.017,517	59,790	
1087+6,752	1,491	5.843,427	2,488	11.079,348	3,376	10,739	97.755,226	16,694	180.034,211	16,694	
1088+0,000		5.843,427	4,053	11.083,401	6,624	9,876	97.765,103	43,328	180.077,539	43,328	
1089+0,000	1,441	5.844,868	2,315	11.085,716	10,000	14,410	97.779,513	63,680	180.141,219	63,680	
1090+0,000	1,725	5.846,593	1,777	11.087,493	10,000	31,660	97.811,173	40,920	180.182,139	40,920	
1091+0,000	1,619	5.848,212	2,641	11.090,134	10,000	33,440	97.844,613	44,180	180.226,319	44,180	
1092+0,000	1,311	5.849,523	3,764	11.093,898	10,000	29,300	97.873,913	64,050	180.290,369	64,050	
1092+13,436	1,283	5.850,806	3,833	11.097,731	6,718	17,426	97.891,339	51,037	180.341,405	51,037	
1093+0,000	1,137	5.851,943	3,380	11.101,111	3,282	7,942	97.899,282	23,673	180.365,078	23,673	
1094+0,000	0,844	5.852,787	2,884	11.103,995	10,000	19,810	97.919,092	62,640	180.427,718	62,640	
1095+0,000	1,371	5.854,158	1,269	11.105,264	10,000	22,150	97.941,242	41,530	180.469,248	41,530	
1096+0,000	4,398	5.858,556	0,155	11.105,419	10,000	57,690	97.998,932	14,240	180.483,488	14,240	
1097+0,000	2,148	5.860,704	0,272	11.105,691	10,000	65,460	98.064,392	4,270	180.487,758	4,270	
1098+0,000	3,666	5.864,370	1,124	11.106,815	10,000	58,140	98.122,532	13,960	180.501,718	13,960	
1099+0,000	1,978	5.866,348	1,234	11.108,049	10,000	56,440	98.178,972	23,580	180.525,298	23,580	
1099+13,436	0,926	5.867,274	1,552	11.109,601	6,718	19,509	98.198,481	18,716	180.544,015	18,716	
1100+0,000	3,485	5.870,759	1,579	11.111,180	3,282	14,477	98.212,958	10,276	180.554,291	10,276	
1101+0,000	3,259	5.874,018	2,221	11.113,401	10,000	67,440	98.280,398	38,000	180.592,291	38,000	
1101+2,106	3,589	5.877,607	2,222	11.115,623	1,053	7,211	98.287,609	4,678	180.596,969	4,678	
1102+0,000	6,015	5.883,622	2,775	11.118,398	8,947	85,927	98.373,536	44,708	180.641,677	44,708	
1102+13,002	1,957	5.885,579	3,944	11.122,342	6,501	51,826	98.425,362	43,680	180.685,358	43,680	
1103+0,000	5,179	5.890,758	3,764	11.126,106	3,499	24,969	98.450,330	26,970	180.712,328	26,970	
1104+0,000	2,557	5.893,315	3,655	11.129,761	10,000	77,360	98.527,690	74,190	180.786,518	74,190	
1104+7,645	1,339	5.894,654	4,185	11.133,946	3,823	14,892	98.542,583	29,968	180.816,486	29,968	
1105+0,000		5.894,654	6,060	11.140,006	6,178	8,272	98.550,855	63,288	180.879,775	63,288	
1105+6,106		5.894,654	7,017	11.147,023	3,053		98.550,855	39,924	180.919,699	39,924	
1106+0,000		5.894,654	9,124	11.156,147	6,947		98.550,855	112,132	181.031,830	103,767	8,365

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1106+2,106		5.894,654	9,575	11.165,722	1,053		98.550,855	19,690	181.051,520	16,680	3,010
1106+4,568		5.894,654	10,202	11.175,924	1,231		98.550,855	24,345	181.075,866	19,499	4,846
1107+0,000		5.894,654	15,892	11.191,816	7,716		98.550,855	201,341	181.277,207	122,221	79,120
1108+0,000		5.894,654	18,198	11.210,014	10,000		98.550,855	340,900	181.618,107	158,400	182,500
1109+0,000		5.894,654	41,306	11.251,320	10,000		98.550,855	595,040	182.213,147	158,400	436,640
1110+0,000		5.894,654	48,407	11.299,727	10,000		98.550,855	897,130	183.110,277	158,400	738,730
1111+0,000		5.894,654	45,876	11.345,603	10,000		98.550,855	942,830	184.053,107	158,400	784,430
1111+11,040		5.894,654	36,866	11.382,469	5,520		98.550,855	456,736	184.509,843	87,437	369,299
1112+0,000		5.894,654	30,870	11.413,339	4,480		98.550,855	303,457	184.813,300	70,963	232,494
1112+13,002		5.894,654	16,409	11.429,748	6,501		98.550,855	307,361	185.120,661	102,976	204,385
1113+0,000		5.894,654	12,138	11.441,886	3,499		98.550,855	99,886	185.220,547	55,424	44,462
1114+0,000	2,515	5.897,169	1,894	11.443,780	10,000	25,150	98.576,005	140,320	185.360,867	98,140	42,180
1115+0,000	32,847	5.930,016		11.443,780	10,000	353,620	98.929,625	18,940	185.379,807	18,940	
1116+0,000	84,100	6.014,116		11.443,780	10,000	1.169,470	100.099,095		185.379,807		
1116+17,407	110,933	6.125,049		11.443,780	8,704	1.697,470	101.796,564		185.379,807		
1117+0,000	116,170	6.241,219		11.443,780	1,297	294,439	102.091,003		185.379,807		
1118+0,000	122,750	6.363,969		11.443,780	10,000	2.389,200	104.480,203		185.379,807		
1119+0,000	128,076	6.492,045		11.443,780	10,000	2.508,260	106.988,463		185.379,807		
1120+0,000	108,426	6.600,471		11.443,780	10,000	2.365,020	109.353,483		185.379,807		
1121+0,000	97,467	6.697,938		11.443,780	10,000	2.058,930	111.412,413		185.379,807		
1122+0,000	87,631	6.785,569		11.443,780	10,000	1.850,980	113.263,393		185.379,807		
1123+0,000	77,075	6.862,644		11.443,780	10,000	1.647,060	114.910,453		185.379,807		
1124+0,000	63,267	6.925,911		11.443,780	10,000	1.403,420	116.313,873		185.379,807		
1125+0,000	44,486	6.970,397		11.443,780	10,000	1.077,530	117.391,403		185.379,807		
1126+0,000	24,513	6.994,910		11.443,780	10,000	689,990	118.081,393		185.379,807		
1127+0,000	0,851	6.995,761	0,462	11.444,242	10,000	253,640	118.335,033	4,620	185.384,427	4,620	
1127+10,246	1,376	6.997,137	4,133	11.448,375	5,123	11,409	118.346,442	23,540	185.407,967	23,540	
1127+12,707	1,221	6.998,358	5,152	11.453,527	1,231	3,197	118.349,639	11,430	185.419,397	11,430	
1128+0,000		6.998,358	10,453	11.463,980	3,647	4,452	118.354,092	56,904	185.476,301	47,667	9,237
1128+8,707		6.998,358	17,555	11.481,535	4,354		118.354,092	121,933	185.598,233	68,959	52,974
1129+0,000		6.998,358	24,940	11.506,475	5,647		118.354,092	239,948	185.838,181	89,441	150,507
1129+7,169		6.998,358	30,715	11.537,190	3,585		118.354,092	199,495	186.037,677	56,778	142,717
1130+0,000		6.998,358	43,355	11.580,545	6,416		118.354,092	475,196	186.512,873	101,622	373,574
1131+0,000		6.998,358	67,429	11.647,974	10,000		118.354,092	1.107,840	187.620,713	158,400	949,440
1132+0,000		6.998,358	84,338	11.732,312	10,000		118.354,092	1.517,670	189.138,383	158,400	1.359,270
1132+12,707		6.998,358	71,972	11.804,284	6,354		118.354,092	993,116	190.131,499	100,639	892,477
1133+0,000		6.998,358	67,653	11.871,937	3,647		118.354,092	509,143	190.640,641	57,761	451,382
1134+0,000		6.998,358	49,632	11.921,569	10,000		118.354,092	1.172,850	191.813,491	158,400	1.014,450
1135+0,000		6.998,358	37,336	11.958,905	10,000		118.354,092	869,680	192.683,171	158,400	711,280
1136+0,000		6.998,358	25,556	11.984,461	10,000		118.354,092	628,920	193.312,091	158,400	470,520
1137+0,000		6.998,358	14,962	11.999,423	10,000		118.354,092	405,180	193.717,271	158,400	246,780
1138+0,000	0,039	6.998,397	6,110	12.005,533	10,000	0,390	118.354,482	210,720	193.927,991	140,300	70,420
1139+0,000	0,639	6.999,036	0,532	12.006,065	10,000	6,780	118.361,262	66,420	193.994,411	66,420	
1140+0,000	6,560	7.005,596		12.006,065	10,000	71,990	118.433,252	5,320	193.999,731	5,320	
1141+0,000	10,362	7.015,958		12.006,065	10,000	169,220	118.602,472		193.999,731		
1141+18,973	10,275	7.026,233		12.006,065	9,487	195,773	118.798,244		193.999,731		
1142+0,000	10,137	7.036,370		12.006,065	0,514	10,482	118.808,726		193.999,731		
1143+0,000	10,101	7.046,471		12.006,065	10,000	202,380	119.011,106		193.999,731		
1143+4,462	9,714	7.056,185		12.006,065	2,231	44,207	119.055,313		193.999,731		
1144+0,000	7,509	7.063,694		12.006,065	7,769	133,805	119.189,119		193.999,731		
1145+0,000	6,650	7.070,344		12.006,065	10,000	141,590	119.330,709		193.999,731		
1146+0,000	6,806	7.077,150		12.006,065	10,000	134,560	119.465,269		193.999,731		
1147+0,000	4,564	7.081,714		12.006,065	10,000	113,700	119.578,969		193.999,731		
1148+0,000	4,027	7.085,741		12.006,065	10,000	85,910	119.664,879		193.999,731		
1149+0,000	2,824	7.088,565		12.006,065	10,000	68,510	119.733,389		193.999,731		
1150+0,000	1,671	7.090,236	0,165	12.006,230	10,000	44,950	119.778,339	1,650	194.001,381	1,650	
1150+3,853	1,563	7.091,799	0,300	12.006,530	1,927	6,230	119.784,569	0,896	194.002,277	0,896	
1151+0,000	0,025	7.091,824	1,444	12.007,974	8,074	12,821	119.797,390	14,080	194.016,357	14,080	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1151+18,973		7.091,824	2,587	12.010,561	9,487	0,237	119.797,627	38,240	194.054,597	38,240	
1152+0,000		7.091,824	2,691	12.013,252	0,514		119.797,627	2,710	194.057,307	2,710	
1153+0,000		7.091,824	4,907	12.018,159	10,000		119.797,627	75,980	194.133,287	75,980	
1153+12,353		7.091,824	5,951	12.024,110	6,177		119.797,627	67,064	194.200,352	67,064	
1154+0,000		7.091,824	7,495	12.031,605	3,824		119.797,627	51,411	194.251,763	51,411	
1154+9,853		7.091,824	8,550	12.040,155	4,927		119.797,627	79,046	194.330,808	75,942	3,104
1155+0,000		7.091,824	8,642	12.048,797	5,074		119.797,627	87,224	194.418,032	80,364	6,860
1155+3,853		7.091,824	8,927	12.057,724	1,927		119.797,627	33,847	194.451,879	30,516	3,331
1155+7,353		7.091,824	8,594	12.066,318	1,750		119.797,627	30,662	194.482,540	27,720	2,942
1156+0,000		7.091,824	6,225	12.072,543	6,324		119.797,627	93,708	194.576,248	89,446	4,262
1157+0,000		7.091,824	11,927	12.084,470	10,000		119.797,627	181,520	194.757,768	141,450	40,070
1157+17,179		7.091,824	16,785	12.101,255	8,590		119.797,627	246,622	195.004,390	136,058	110,564
1158+0,000		7.091,824	18,247	12.119,502	1,411		119.797,627	49,413	195.053,803	22,342	27,071
1159+0,000		7.091,824	18,476	12.137,978	10,000		119.797,627	367,230	195.421,033	158,400	208,830
1159+7,839		7.091,824	18,346	12.156,324	3,920		119.797,627	144,324	195.565,357	62,085	82,239
1160+0,000		7.091,824	23,298	12.179,622	6,081		119.797,627	253,216	195.818,573	96,315	156,901
1161+0,000		7.091,824	26,869	12.206,491	10,000		119.797,627	501,670	196.320,243	158,400	343,270
1162+0,000		7.091,824	33,643	12.240,134	10,000		119.797,627	605,120	196.925,363	158,400	446,720
1163+0,000		7.091,824	33,464	12.273,598	10,000		119.797,627	671,070	197.596,433	158,400	512,670
1163+8,326		7.091,824	33,039	12.306,637	4,163		119.797,627	276,852	197.873,285	65,942	210,910
1163+11,826		7.091,824	32,871	12.339,508	1,750		119.797,627	115,343	197.988,627	27,720	87,623
1164+0,000		7.091,824	29,422	12.368,930	4,087		119.797,627	254,591	198.243,219	64,738	189,853
1164+5,826		7.091,824	27,374	12.396,304	2,913		119.797,627	165,447	198.408,666	46,142	119,305
1165+0,000		7.091,824	23,789	12.420,093	7,087		119.797,627	362,592	198.771,258	112,258	250,334
1165+3,326		7.091,824	23,380	12.443,473	1,663		119.797,627	78,442	198.849,793	26,342	52,100
1166+0,000		7.091,824	24,862	12.468,335	8,337		119.797,627	402,194	199.251,893	132,058	270,136
1166+17,179		7.091,824	27,796	12.496,131	8,590		119.797,627	452,306	199.704,199	136,058	316,248
1167+0,000		7.091,824	26,956	12.523,087	1,411		119.797,627	77,228	199.781,427	22,342	54,886
1168+0,000		7.091,824	18,322	12.541,409	10,000		119.797,627	452,780	200.234,207	158,400	294,380
1168+11,826		7.091,824	13,901	12.555,310	5,913		119.797,627	190,535	200.424,742	93,662	96,873
1169+0,000		7.091,824	11,327	12.566,637	4,087		119.797,627	103,107	200.527,848	64,738	38,369
1170+0,000	0,382	7.092,206	2,114	12.568,751	10,000	3,820	119.801,447	134,410	200.662,258	100,340	34,070
1171+0,000	3,713	7.095,919		12.568,751	10,000	40,950	119.842,397	21,140	200.683,398	21,140	
1172+0,000	9,210	7.105,129		12.568,751	10,000	129,230	119.971,627		200.683,398		
1173+0,000	15,662	7.120,791		12.568,751	10,000	248,720	120.220,347		200.683,398		
1174+0,000	19,643	7.140,434		12.568,751	10,000	353,050	120.573,397		200.683,398		
1175+0,000	21,976	7.162,410		12.568,751	10,000	416,190	120.989,587		200.683,398		
1176+0,000	21,467	7.183,877		12.568,751	10,000	434,430	121.424,017		200.683,398		
1177+0,000	17,939	7.201,816		12.568,751	10,000	394,060	121.818,077		200.683,398		
1178+0,000	14,560	7.216,376		12.568,751	10,000	324,990	122.143,067		200.683,398		
1179+0,000	7,088	7.223,464		12.568,751	10,000	216,480	122.359,547		200.683,398		
1180+0,000	3,152	7.226,616	0,432	12.569,183	10,000	102,400	122.461,947	4,320	200.687,718	4,320	
1180+7,650	1,106	7.227,722	1,748	12.570,931	3,825	16,287	122.478,234	8,339	200.696,057	8,339	
1181+0,000		7.227,722	5,223	12.576,154	6,175	6,830	122.485,063	43,046	200.739,103	43,046	
1182+0,000		7.227,722	13,340	12.589,494	10,000		122.485,063	185,630	200.924,733	131,430	54,200
1182+8,965		7.227,722	18,222	12.607,716	4,483		122.485,063	141,477	201.066,209	71,003	70,474
1183+0,000		7.227,722	24,605	12.632,321	5,518		122.485,063	236,298	201.302,507	87,397	148,901
1184+0,000		7.227,722	29,381	12.661,702	10,000		122.485,063	539,860	201.842,367	158,400	381,460
1185+0,000		7.227,722	39,100	12.700,802	10,000		122.485,063	684,810	202.527,177	158,400	526,410
1186+0,000		7.227,722	34,685	12.735,487	10,000		122.485,063	737,850	203.265,027	158,400	579,450
1187+0,000		7.227,722	28,401	12.763,888	10,000		122.485,063	630,860	203.895,887	158,400	472,460
1188+0,000		7.227,722	17,678	12.781,566	10,000		122.485,063	460,790	204.356,677	158,400	302,390
1189+0,000		7.227,722	10,248	12.791,814	10,000		122.485,063	279,260	204.635,937	158,400	120,860
1190+0,000	0,033	7.227,755	4,385	12.796,199	10,000	0,330	122.485,393	146,330	204.782,267	123,050	23,280
1190+7,650	0,281	7.228,036	2,203	12.798,402	3,825	1,201	122.486,594	25,199	204.807,467	25,199	
1191+0,000	1,342	7.229,378	0,200	12.798,602	6,175	10,022	122.496,616	14,839	204.822,305	14,839	
1192+0,000	6,789	7.236,167		12.798,602	10,000	81,310	122.577,926	2,000	204.824,305	2,000	
1193+0,000	8,864	7.245,031		12.798,602	10,000	156,530	122.734,456		204.824,305		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1194+0,000	7,573	7.252,604		12.798,602	10,000	164,370	122.898,826		204.824,305		
1194+3,704	8,076	7.260,680		12.798,602	1,852	28,982	122.927,808		204.824,305		
1195+0,000	8,660	7.269,340		12.798,602	8,148	136,365	123.064,173		204.824,305		
1196+0,000	7,463	7.276,803		12.798,602	10,000	161,230	123.225,403		204.824,305		
1197+0,000	5,507	7.282,310		12.798,602	10,000	129,700	123.355,103		204.824,305		
1197+5,839	5,007	7.287,317		12.798,602	2,920	30,696	123.385,799		204.824,305		
1198+0,000	2,612	7.289,929	0,043	12.798,645	7,081	53,946	123.439,745	0,304	204.824,610	0,304	
1199+0,000	0,407	7.290,336	1,292	12.799,937	10,000	30,190	123.469,935	13,350	204.837,960	13,350	
1200+0,000	1,319	7.291,655	2,638	12.802,575	10,000	17,260	123.487,195	39,300	204.877,260	39,300	
1201+0,000	1,325	7.292,980	4,225	12.806,800	10,000	26,440	123.513,635	68,630	204.945,890	68,630	
1202+0,000	0,472	7.293,452	4,567	12.811,367	10,000	17,970	123.531,605	87,920	205.033,810	87,920	
1203+0,000		7.293,452	6,577	12.817,944	10,000	4,720	123.536,325	111,440	205.145,250	111,440	
1203+3,704		7.293,452	7,183	12.825,127	1,852		123.536,325	25,484	205.170,733	25,484	
1204+0,000		7.293,452	7,628	12.832,755	8,148		123.536,325	120,680	205.291,413	120,680	
1205+0,000		7.293,452	5,786	12.838,541	10,000		123.536,325	134,140	205.425,553	134,140	
1206+0,000		7.293,452	5,770	12.844,311	10,000		123.536,325	115,560	205.541,113	115,560	
1207+0,000		7.293,452	7,115	12.851,426	10,000		123.536,325	128,850	205.669,963	128,850	
1208+0,000		7.293,452	10,403	12.861,829	10,000		123.536,325	175,180	205.845,143	150,350	24,830
1209+0,000		7.293,452	11,110	12.872,939	10,000		123.536,325	215,130	206.060,273	158,400	56,730
1210+0,000		7.293,452	9,685	12.882,624	10,000		123.536,325	207,950	206.268,223	158,400	49,550
1210+12,917	0,039	7.293,491	9,697	12.892,321	6,459	0,252	123.536,577	125,179	206.393,402	102,303	22,876
1210+16,761	0,073	7.293,564	10,221	12.902,542	1,923	0,215	123.536,792	38,292	206.431,694	30,444	7,848
1211+0,000	0,109	7.293,673	10,034	12.912,576	1,620	0,295	123.537,087	32,803	206.464,497	25,653	7,150
1211+10,000	0,265	7.293,938	9,376	12.921,952	5,000	1,870	123.538,957	97,050	206.561,547	79,200	17,850
1212+0,000	0,284	7.294,222	9,214	12.931,166	5,000	2,745	123.541,702	92,950	206.654,497	79,200	13,750
1212+10,000	0,130	7.294,352	8,666	12.939,832	5,000	2,070	123.543,772	89,400	206.743,897	79,200	10,200
1213+0,000		7.294,352	10,256	12.950,088	5,000	0,650	123.544,422	94,610	206.838,507	79,200	15,410
1213+10,000		7.294,352	11,502	12.961,590	5,000		123.544,422	108,790	206.947,297	79,200	29,590
1214+0,000		7.294,352	12,021	12.973,611	5,000		123.544,422	117,615	207.064,912	79,200	38,415
1214+2,917		7.294,352	12,139	12.985,750	1,459		123.544,422	35,237	207.100,149	23,103	12,134
1214+10,000		7.294,352	12,317	12.998,067	3,542		123.544,422	86,611	207.186,760	56,097	30,514
1215+0,000		7.294,352	14,415	13.012,482	5,000		123.544,422	133,660	207.320,420	79,200	54,460
1215+10,000		7.294,352	15,180	13.027,662	5,000		123.544,422	147,975	207.468,395	79,200	68,775
1216+0,000		7.294,352	14,719	13.042,381	5,000		123.544,422	149,495	207.617,890	79,200	70,295
1216+10,000		7.294,352	14,826	13.057,207	5,000		123.544,422	147,725	207.765,615	79,200	68,525
1216+10,463		7.294,352	14,854	13.072,061	0,232		123.544,422	6,871	207.772,486	3,667	3,204
1217+0,000		7.294,352	15,447	13.087,508	4,769		123.544,422	144,490	207.916,977	75,533	68,957
1217+10,000		7.294,352	15,666	13.103,174	5,000		123.544,422	155,565	208.072,542	79,200	76,365
1218+0,000		7.294,352	15,741	13.118,915	5,000		123.544,422	157,035	208.229,577	79,200	77,835
1218+10,000		7.294,352	14,388	13.133,303	5,000		123.544,422	150,645	208.380,222	79,200	71,445
1219+0,000		7.294,352	12,925	13.146,228	5,000		123.544,422	136,565	208.516,787	79,200	57,365
1219+10,000		7.294,352	13,799	13.160,027	5,000		123.544,422	133,620	208.650,407	79,200	54,420
1220+0,000		7.294,352	13,990	13.174,017	5,000		123.544,422	138,945	208.789,352	79,200	59,745
1220+0,463		7.294,352	13,747	13.187,764	0,232		123.544,422	6,421	208.795,773	3,667	2,754
1220+12,072		7.294,352	15,621	13.203,385	5,805		123.544,422	170,467	208.966,239	91,943	78,524
1220+16,761		7.294,352	16,920	13.220,305	2,345		123.544,422	76,309	209.042,548	37,137	39,172
1221+0,000		7.294,352	17,633	13.237,938	1,620		123.544,422	55,959	209.098,506	25,653	30,306
1222+0,000		7.294,352	31,252	13.269,190	10,000		123.544,422	488,850	209.587,356	158,400	330,450
1223+0,000		7.294,352	22,375	13.291,565	10,000		123.544,422	536,270	210.123,626	158,400	377,870
1224+0,000		7.294,352	19,008	13.310,573	10,000		123.544,422	413,830	210.537,456	158,400	255,430
1225+0,000		7.294,352	17,712	13.328,285	10,000		123.544,422	367,200	210.904,656	158,400	208,800
1225+14,431		7.294,352	15,363	13.343,648	7,216		123.544,422	238,653	211.143,309	114,294	124,359
1226+0,000		7.294,352	14,484	13.358,132	2,785		123.544,422	83,109	211.226,418	44,106	39,003
1227+0,000		7.294,352	14,075	13.372,207	10,000		123.544,422	285,590	211.512,008	158,400	127,190
1228+0,000		7.294,352	14,571	13.386,778	10,000		123.544,422	286,460	211.798,468	158,400	128,060
1229+0,000		7.294,352	14,957	13.401,735	10,000		123.544,422	295,280	212.093,748	158,400	136,880
1230+0,000		7.294,352	15,287	13.417,022	10,000		123.544,422	302,440	212.396,188	158,400	144,040
1231+0,000		7.294,352	14,013	13.431,035	10,000		123.544,422	293,000	212.689,188	158,400	134,600

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1232+0,000		7.294,352	11,638	13.442,673	10,000		123.544,422	256,510	212.945,698	158,400	98,110
1233+0,000	0,029	7.294,381	4,785	13.447,458	10,000	0,290	123.544,712	164,230	213.109,928	127,050	37,180
1233+11,649	1,209	7.295,590	0,675	13.448,133	5,825	7,211	123.551,923	31,802	213.141,730	31,802	
1234+0,000	8,162	7.303,752		13.448,133	4,176	39,129	123.591,052	2,818	213.144,548	2,818	
1235+0,000	16,778	7.320,530		13.448,133	10,000	249,400	123.840,452		213.144,548		
1235+5,388	20,163	7.340,693		13.448,133	2,694	99,519	123.939,971		213.144,548		
1235+14,431	19,863	7.360,556		13.448,133	4,522	180,978	124.120,948		213.144,548		
1236+0,000	18,860	7.379,416		13.448,133	2,785	107,824	124.228,772		213.144,548		
1236+3,649	18,593	7.398,009		13.448,133	1,825	68,333	124.297,105		213.144,548		
1236+6,181	18,477	7.416,486		13.448,133	1,266	46,931	124.344,036		213.144,548		
1237+0,000	17,383	7.433,869		13.448,133	6,910	247,775	124.591,811		213.144,548		
1237+9,910	17,133	7.451,002		13.448,133	0,955	32,963	124.624,773		213.144,548		
1237+11,649	17,915	7.468,917		13.448,133	4,870	170,666	124.795,440		213.144,548		
1238+0,000	19,424	7.488,341		13.448,133	4,176	155,909	124.951,349		213.144,548		
1239+0,000	23,216	7.511,557		13.448,133	10,000	426,400	125.377,749		213.144,548		
1240+0,000	28,828	7.540,385		13.448,133	10,000	520,440	125.898,189		213.144,548		
1240+7,044	30,120	7.570,505		13.448,133	3,522	207,615	126.105,804		213.144,548		
1241+0,000	34,011	7.604,516		13.448,133	6,478	415,441	126.521,244		213.144,548		
1241+18,714	34,947	7.639,463		13.448,133	9,357	645,240	127.166,484		213.144,548		
1242+0,000	35,023	7.674,486		13.448,133	0,643	44,991	127.211,475		213.144,548		
1243+0,000	33,026	7.707,512		13.448,133	10,000	680,490	127.891,965		213.144,548		
1243+2,439	33,025	7.740,537		13.448,133	1,220	80,549	127.972,514		213.144,548		
1243+12,179	32,141	7.772,678		13.448,133	4,870	317,326	128.289,840		213.144,548		
1244+0,000	29,870	7.802,548		13.448,133	3,911	242,494	128.532,334		213.144,548		
1244+10,439	26,004	7.828,552		13.448,133	5,220	291,634	128.823,968		213.144,548		
1245+0,000	24,704	7.853,256		13.448,133	4,781	242,410	129.066,378		213.144,548		
1245+8,700	23,428	7.876,684		13.448,133	4,350	209,374	129.275,752		213.144,548		
1246+0,000	21,915	7.898,599		13.448,133	5,650	256,188	129.531,940		213.144,548		
1246+6,181	20,417	7.919,016		13.448,133	3,091	130,827	129.662,767		213.144,548		
1247+0,000	18,063	7.937,079		13.448,133	6,910	265,878	129.928,645		213.144,548		
1247+2,439	17,388	7.954,467		13.448,133	1,220	43,232	129.971,877		213.144,548		
1248+0,000	12,459	7.966,926		13.448,133	8,781	262,072	130.233,949		213.144,548		
1249+0,000	4,070	7.970,996		13.448,133	10,000	165,290	130.399,239		213.144,548		
1250+0,000	0,325	7.971,321	2,882	13.451,015	10,000	43,950	130.443,189	28,820	213.173,368	28,820	
1251+0,000		7.971,321	10,949	13.461,964	10,000	3,250	130.446,439	138,310	213.311,678	108,020	30,290
1251+6,800		7.971,321	12,160	13.474,124	3,400		130.446,439	78,571	213.390,249	53,856	24,715
1252+0,000		7.971,321	14,719	13.488,843	6,600		130.446,439	177,401	213.567,650	104,544	72,857
1253+0,000		7.971,321	16,707	13.505,550	10,000		130.446,439	314,260	213.881,910	158,400	155,860
1254+0,000		7.971,321	24,886	13.530,436	10,000		130.446,439	415,930	214.297,840	158,400	257,530
1255+0,000		7.971,321	15,787	13.546,223	10,000		130.446,439	406,730	214.704,570	158,400	248,330
1256+0,000		7.971,321	14,292	13.560,515	10,000		130.446,439	300,790	215.005,360	158,400	142,390
1257+0,000		7.971,321	16,295	13.576,810	10,000		130.446,439	305,870	215.311,230	158,400	147,470
1258+0,000		7.971,321	19,212	13.596,022	10,000		130.446,439	355,070	215.666,300	158,400	196,670
1259+0,000		7.971,321	21,006	13.617,028	10,000		130.446,439	402,180	216.068,480	158,400	243,780
1260+0,000		7.971,321	25,686	13.642,714	10,000		130.446,439	466,920	216.535,400	158,400	308,520
1261+0,000		7.971,321	37,394	13.680,108	10,000		130.446,439	630,800	217.166,200	158,400	472,400
1261+0,853		7.971,321	36,960	13.717,068	0,427		130.446,439	31,712	217.197,912	6,756	24,956
1262+0,000		7.971,321	22,206	13.739,274	9,574		130.446,439	566,426	217.764,338	151,644	414,782
1263+0,000		7.971,321	20,310	13.759,584	10,000		130.446,439	425,160	218.189,498	158,400	266,760
1264+0,000		7.971,321	19,338	13.778,922	10,000		130.446,439	396,480	218.585,978	158,400	238,080
1264+1,364		7.971,321	18,624	13.797,546	0,682		130.446,439	25,890	218.611,868	10,803	15,087
1264+13,364	0,092	7.971,413	11,032	13.808,578	6,000	0,552	130.446,991	177,936	218.789,804	95,040	82,896
1264+18,164	1,404	7.972,817	1,535	13.810,113	2,400	3,590	130.450,581	30,161	218.819,965	22,692	7,469
1265+0,000	0,706	7.973,523	2,421	13.812,534	0,918	1,937	130.452,518	3,632	218.823,597	3,632	
1265+5,364		7.973,523	6,468	13.819,002	2,682	1,893	130.454,412	23,840	218.847,437	23,840	
1266+0,000		7.973,523	18,995	13.837,997	7,318		130.454,412	186,338	219.033,775	105,291	81,047
1267+0,000		7.973,523	17,400	13.855,397	10,000		130.454,412	363,950	219.397,725	158,400	205,550
1268+0,000		7.973,523	15,687	13.871,084	10,000		130.454,412	330,870	219.728,595	158,400	172,470

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1269+0,000		7.973,523	15,063	13.886,147	10,000		130.454,412	307,500	220.036,095	158,400	149,100
1269+6,800		7.973,523	14,387	13.900,534	3,400		130.454,412	100,130	220.136,225	53,856	46,274
1270+0,000		7.973,523	13,593	13.914,127	6,600		130.454,412	184,668	220.320,893	104,544	80,124
1271+0,000		7.973,523	15,189	13.929,316	10,000		130.454,412	287,820	220.608,713	158,400	129,420
1272+0,000		7.973,523	16,855	13.946,171	10,000		130.454,412	320,440	220.929,153	158,400	162,040
1272+6,867		7.973,523	16,088	13.962,259	3,434		130.454,412	113,110	221.042,263	54,387	58,723
1272+8,979		7.973,523	15,557	13.977,816	1,056		130.454,412	33,417	221.075,680	16,727	16,690
1273+0,000		7.973,523	10,693	13.988,509	5,511		130.454,412	144,651	221.220,331	87,286	57,365
1274+0,000	8,945	7.982,468		13.988,509	10,000	89,450	130.543,862	106,930	221.327,261	79,200	27,730
1275+0,000	14,384	7.996,852		13.988,509	10,000	233,290	130.777,152		221.327,261		
1276+0,000	30,640	8.027,492		13.988,509	10,000	450,240	131.227,392		221.327,261		
1277+0,000	32,662	8.060,154		13.988,509	10,000	633,020	131.860,412		221.327,261		
1278+0,000	23,819	8.083,973		13.988,509	10,000	564,810	132.425,222		221.327,261		
1279+0,000	11,497	8.095,470		13.988,509	10,000	353,160	132.778,382		221.327,261		
1279+12,594	7,207	8.102,677		13.988,509	6,297	117,779	132.896,161		221.327,261		
1279+19,794	5,190	8.107,867		13.988,509	3,600	44,629	132.940,790		221.327,261		
1280+0,000	5,138	8.113,005		13.988,509	0,103	1,064	132.941,854		221.327,261		
1280+4,594	4,045	8.117,050		13.988,509	2,297	21,093	132.962,947		221.327,261		
1280+16,594	2,278	8.119,328	0,737	13.989,246	6,000	37,938	133.000,885	4,422	221.331,683	4,422	
1281+0,000	1,596	8.120,924	0,941	13.990,187	1,703	6,597	133.007,482	2,858	221.334,540	2,858	
1282+0,000	0,207	8.121,131	4,111	13.994,298	10,000	18,030	133.025,512	50,520	221.385,060	50,520	
1282+6,867	0,042	8.121,173	6,373	14.000,671	3,434	0,855	133.026,367	35,997	221.421,057	35,997	
1283+0,000		8.121,173	13,426	14.014,097	6,567	0,276	133.026,643	130,010	221.551,067	93,855	36,155
1284+0,000		8.121,173	26,947	14.041,044	10,000		133.026,643	403,730	221.954,797	158,400	245,330
1285+0,000		8.121,173	19,309	14.060,353	10,000		133.026,643	462,560	222.417,357	158,400	304,160
1286+0,000	4,456	8.125,629	0,311	14.060,664	10,000	44,560	133.071,203	196,200	222.613,557	82,310	113,890
1287+0,000	35,862	8.161,491		14.060,664	10,000	403,180	133.474,383	3,110	222.616,667	3,110	
1288+0,000	37,854	8.199,345		14.060,664	10,000	737,160	134.211,543		222.616,667		
1288+5,352	33,059	8.232,404		14.060,664	2,676	189,763	134.401,306		222.616,667		
1289+0,000	18,831	8.251,235		14.060,664	7,324	380,042	134.781,349		222.616,667		
1289+6,583	14,483	8.265,718		14.060,664	3,292	109,653	134.891,002		222.616,667		
1290+0,000	8,042	8.273,760		14.060,664	6,709	151,109	135.042,111		222.616,667		
1291+0,000	5,796	8.279,556		14.060,664	10,000	138,380	135.180,491		222.616,667		
1291+14,548	7,003	8.286,559		14.060,664	7,274	93,100	135.273,591		222.616,667		
1291+15,460	7,171	8.293,730		14.060,664	0,456	6,463	135.280,054		222.616,667		
1292+0,000	7,884	8.301,614		14.060,664	2,270	34,175	135.314,229		222.616,667		
1292+13,548	10,667	8.312,281		14.060,664	6,774	125,664	135.439,893		222.616,667		
1293+0,000	12,130	8.324,411		14.060,664	3,226	73,543	135.513,436		222.616,667		
1293+11,637	15,825	8.340,236		14.060,664	5,819	162,656	135.676,093		222.616,667		
1294+0,000	12,904	8.353,140		14.060,664	4,182	120,130	135.796,223		222.616,667		
1294+14,548	7,879	8.361,019		14.060,664	7,274	151,176	135.947,398		222.616,667		
1295+0,000	8,555	8.369,574		14.060,664	2,726	44,799	135.992,197		222.616,667		
1296+0,000	8,542	8.378,116		14.060,664	10,000	170,970	136.163,167		222.616,667		
1296+5,352	7,472	8.385,588		14.060,664	2,676	42,853	136.206,021		222.616,667		
1297+0,000	6,401	8.391,989		14.060,664	7,324	101,606	136.307,627		222.616,667		
1297+4,000	4,935	8.396,924	0,002	14.060,666	2,000	22,672	136.330,299	0,004	222.616,671	0,004	
1297+13,692	1,190	8.398,114	0,332	14.060,998	4,846	29,682	136.359,981	1,619	222.618,290	1,619	
1298+0,000	1,094	8.399,208	0,406	14.061,404	3,154	7,204	136.367,184	2,328	222.620,617	2,328	
1299+0,000	0,873	8.400,081	0,010	14.061,414	10,000	19,670	136.386,854	4,160	222.624,777	4,160	
1300+0,000	2,843	8.402,924	0,003	14.061,417	10,000	37,160	136.424,014	0,130	222.624,907	0,130	
1300+12,835	1,972	8.404,896	0,366	14.061,783	6,418	30,900	136.454,915	2,368	222.627,275	2,368	
1301+0,000	1,007	8.405,903	0,865	14.062,648	3,583	10,672	136.465,587	4,410	222.631,685	4,410	
1301+15,747		8.405,903	3,942	14.066,590	7,874	7,929	136.473,515	37,848	222.669,533	37,848	
1302+0,000		8.405,903	4,615	14.071,205	2,127		136.473,515	18,196	222.687,730	18,196	
1302+13,835		8.405,903	7,749	14.078,954	6,918		136.473,515	85,528	222.773,258	85,528	
1303+0,000		8.405,903	10,026	14.088,980	3,083		136.473,515	54,791	222.828,049	48,300	6,491
1303+11,924		8.405,903	16,682	14.105,662	5,962		136.473,515	159,233	222.987,282	94,438	64,795
1303+12,835		8.405,903	16,905	14.122,567	0,456		136.473,515	15,316	223.002,598	7,215	8,101

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1304+0,000		8.405,903	20,050	14.142,617	3,583		136.473,515	132,391	223.134,989	56,747	75,644
1305+0,000		8.405,903	32,703	14.175,320	10,000		136.473,515	527,530	223.662,519	158,400	369,130
1305+4,000		8.405,903	34,626	14.209,946	2,000		136.473,515	134,658	223.797,177	31,680	102,978
1306+0,000		8.405,903	51,830	14.261,776	8,000		136.473,515	691,648	224.488,825	126,720	564,928
1306+14,000		8.405,903	58,905	14.320,681	7,000		136.473,515	775,145	225.263,970	110,880	664,265
PONTE SOBRE O RIO CABAÇAL											
1310+9,000		8.405,903	84,456	14.405,137			136.473,515		225.263,970		
1311+0,000		8.405,903	69,806	14.474,943	5,500		136.473,515	848,441	226.112,411	87,120	761,321
1311+19,000		8.405,903	52,083	14.527,026	9,500		136.473,515	1.157,946	227.270,357	150,480	1.007,466
1312+0,000		8.405,903	53,677	14.580,703	0,500		136.473,515	52,880	227.323,237	7,920	44,960
1313+0,000		8.405,903	45,913	14.626,616	10,000		136.473,515	995,900	228.319,137	158,400	837,500
1314+0,000		8.405,903	19,270	14.645,886	10,000		136.473,515	651,830	228.970,967	158,400	493,430
1315+0,000		8.405,903	6,486	14.652,372	10,000		136.473,515	257,560	229.228,527	144,060	113,500
1316+0,000	6,833	8.412,736		14.652,372	10,000	68,330	136.541,845	64,860	229.293,387	64,860	
1317+0,000	24,491	8.437,227		14.652,372	10,000	313,240	136.855,085		229.293,387		
1317+4,696	25,399	8.462,626		14.652,372	2,348	117,142	136.972,227		229.293,387		
INTERSEÇÃO 01											
RAMO 01											
0+0,000	47,129	8.509,755		14.652,372			136.972,227		229.293,387		
0+4,593	50,021	8.559,776		14.652,372	2,297	223,105	137.195,332		229.293,387		
0+20,000	72,653	8.632,429		14.652,372	7,704	945,019	138.140,351		229.293,387		
1+4,593	88,079	8.720,508		14.652,372	2,297	369,121	138.509,472		229.293,387		
1+10,754	121,041	8.841,549		14.652,372	3,080	644,090	139.153,562		229.293,387		
1+10,827	121,463	8.963,012		14.652,372	0,037	8,973	139.162,535		229.293,387		
1+19,380	172,901	9.135,913		14.652,372	4,277	1.258,848	140.421,382		229.293,387		
Sobreposição com a Rótula											
5+6,490	101,484	9.237,397		14.652,372			140.421,382		229.293,387		
6+0,000	57,515	9.294,912		14.652,372	6,755	1.074,038	141.495,420		229.293,387		
6+5,656	41,497	9.336,409		14.652,372	2,828	280,006	141.775,426		229.293,387		
6+6,941	38,155	9.374,564		14.652,372	0,642	51,137	141.826,563		229.293,387		
7+0,000	25,329	9.399,893		14.652,372	6,530	414,519	142.241,082		229.293,387		
7+5,780	24,134	9.424,027		14.652,372	2,890	142,948	142.384,030		229.293,387		
RAMO 02											
0+0,000	13,449	9.437,476		14.652,372			142.384,030		229.293,387		
0+3,307	12,407	9.449,883		14.652,372	1,654	42,753	142.426,783		229.293,387		
0+6,614	14,265	9.464,148		14.652,372	1,654	44,102	142.470,885		229.293,387		
0+7,451	14,614	9.478,762		14.652,372	0,419	12,086	142.482,971		229.293,387		
1+0,000	19,513	9.498,275		14.652,372	6,275	214,130	142.697,101		229.293,387		
1+17,424	27,757	9.526,032		14.652,372	8,712	411,816	143.108,917		229.293,387		
2+0,000	29,811	9.555,843		14.652,372	1,288	74,148	143.183,064		229.293,387		
2+7,451	36,272	9.592,115		14.652,372	3,726	246,192	143.429,257		229.293,387		
3+0,000	54,769	9.646,884		14.652,372	6,275	571,237	144.000,493		229.293,387		
3+5,204	61,748	9.708,632		14.652,372	2,602	303,177	144.303,671		229.293,387		
Sobreposição com a Rótula											
5+10,804	122,060	9.830,692		14.652,372			144.303,671		229.293,387		
6+0,000	84,879	9.915,571		14.652,372	4,598	951,506	145.255,176		229.293,387		
7+0,000	44,907	9.960,478		14.652,372	10,000	1.297,860	146.553,036		229.293,387		
7+6,328	41,230	10.001,708		14.652,372	3,164	272,537	146.825,574		229.293,387		
7+10,178	39,171	10.040,879		14.652,372	1,925	154,732	146.980,305		229.293,387		
RAMO 03											
0+0,000	16,425	10.057,304		14.652,372			146.980,305		229.293,387		
0+19,675	28,388	10.085,692		14.652,372	9,838	440,848	147.421,153		229.293,387		
0+20,000	28,809	10.114,501		14.652,372	0,163	9,295	147.430,448		229.293,387		
1+2,682	32,439	10.146,940		14.652,372	1,341	82,134	147.512,581		229.293,387		
1+11,436	48,493	10.195,433		14.652,372	4,377	354,239	147.866,821		229.293,387		
1+16,139	31,611	10.227,044		14.652,372	2,352	188,365	148.055,185		229.293,387		
Sobreposição com a Rótula											
3+16,066	31,202	10.258,246		14.652,372			148.055,185		229.293,387		

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
4+0,000	64,596	10.322,842		14.652,372	1,967	188,435	148.243,620		229.293,387		
4+8,089	55,547	10.378,389		14.652,372	4,045	485,918	148.729,538		229.293,387		
5+0,000	37,225	10.415,614		14.652,372	5,956	552,504	149.282,042		229.293,387		
5+6,530	27,955	10.443,569		14.652,372	3,265	212,813	149.494,855		229.293,387		
5+13,089	21,656	10.465,225		14.652,372	3,280	162,699	149.657,554		229.293,387		
6+0,000	19,416	10.484,641		14.652,372	3,456	141,924	149.799,478		229.293,387		
6+17,960	18,682	10.503,323		14.652,372	8,980	342,120	150.141,598		229.293,387		
7+0,000	17,683	10.521,006		14.652,372	1,020	37,092	150.178,691		229.293,387		
7+1,262	16,378	10.537,384		14.652,372	0,631	21,492	150.200,183		229.293,387		
7+4,568	16,338	10.553,722		14.652,372	1,653	54,080	150.254,263		229.293,387		
RÓTULA											
0+0,000	256,828	10.810,550		14.652,372			150.254,263		229.293,387		
0+2,500	263,973	11.074,523		14.652,372	1,250	651,001	150.905,264		229.293,387		
1+0,000	290,927	11.365,450		14.652,372	8,750	4.855,375	155.760,639		229.293,387		
1+13,516	253,296	11.618,746		14.652,372	6,758	3.677,859	159.438,498		229.293,387		
2+0,000	237,482	11.856,228		14.652,372	3,242	1.591,102	161.029,600		229.293,387		
2+17,500	192,263	12.048,491		14.652,372	8,750	3.760,269	164.789,869		229.293,387		
3+0,000	179,789	12.228,280		14.652,372	1,250	465,065	165.254,934		229.293,387		
3+19,796	117,097	12.345,377		14.652,372	9,898	2.938,578	168.193,511		229.293,387		
4+0,000	116,969	12.462,346		14.652,372	0,102	23,875	168.217,386		229.293,387		
4+2,500	116,383	12.578,729		14.652,372	1,250	291,690	168.509,076		229.293,387		
5+0,000	129,592	12.708,321		14.652,372	8,750	2.152,281	170.661,357		229.293,387		
5+15,205	155,904	12.864,225		14.652,372	7,603	2.170,483	172.831,841		229.293,387		
6+0,000	163,221	13.027,446		14.652,372	2,398	765,102	173.596,943		229.293,387		
7+0,000	215,146	13.242,592		14.652,372	10,000	3.783,670	177.380,613		229.293,387		
7+17,500	252,382	13.494,974		14.652,372	8,750	4.090,870	181.471,483		229.293,387		
7+19,593	256,827	13.751,801		14.652,372	1,047	532,887	182.004,370		229.293,387		
CONT. MT-339/248											
1327+1,172	78,373	13.830,174		14.652,372			182.004,370		229.293,387		
1328+0,000	62,564	13.892,738		14.652,372	9,414	1.326,781	183.331,151		229.293,387		
1329+0,000	55,558	13.948,296		14.652,372	10,000	1.181,220	184.512,371		229.293,387		
1330+0,000	47,798	13.996,094		14.652,372	10,000	1.033,560	185.545,931		229.293,387		
1330+5,276	45,648	14.041,742		14.652,372	2,638	246,511	185.792,442		229.293,387		
1331+0,000	34,974	14.076,716		14.652,372	7,362	593,539	186.385,981		229.293,387		
1332+0,000	25,011	14.101,727		14.652,372	10,000	599,850	186.985,831		229.293,387		
1333+0,000	24,267	14.125,994		14.652,372	10,000	492,780	187.478,611		229.293,387		
1334+0,000	17,785	14.143,779		14.652,372	10,000	420,520	187.899,131		229.293,387		
1335+0,000	6,295	14.150,074		14.652,372	10,000	240,800	188.139,931		229.293,387		
1336+0,000	0,006	14.150,080	10,536	14.662,908	10,000	63,010	188.202,941	105,360	229.398,747	79,200	26,160
1337+0,000		14.150,080	20,947	14.683,855	10,000	0,060	188.203,001	314,830	229.713,577	158,400	156,430
1338+0,000		14.150,080	29,505	14.713,360	10,000		188.203,001	504,520	230.218,097	158,400	346,120
1339+0,000		14.150,080	33,148	14.746,508	10,000		188.203,001	626,530	230.844,627	158,400	468,130
1339+19,479		14.150,080	39,467	14.785,975	9,740		188.203,001	707,234	231.551,861	154,274	552,960
1340+0,000		14.150,080	39,812	14.825,787	0,261		188.203,001	20,652	231.572,513	4,126	16,526
1341+0,000		14.150,080	53,626	14.879,413	10,000		188.203,001	934,380	232.506,893	158,400	775,980
1342+0,000		14.150,080	63,569	14.942,982	10,000		188.203,001	1.171,950	233.678,843	158,400	1.013,550
1343+0,000		14.150,080	110,824	15.053,806	10,000		188.203,001	1.743,930	235.422,773	158,400	1.585,530
1344+0,000		14.150,080	108,812	15.162,618	10,000		188.203,001	2.196,360	237.619,133	158,400	2.037,960
1345+0,000		14.150,080	97,959	15.260,577	10,000		188.203,001	2.067,710	239.686,843	158,400	1.909,310
1346+0,000		14.150,080	73,064	15.333,641	10,000		188.203,001	1.710,230	241.397,073	158,400	1.551,830
1346+9,338		14.150,080	55,019	15.388,660	4,669		188.203,001	598,020	241.995,092	73,957	524,063
1346+19,479		14.150,080	43,322	15.431,982	5,071		188.203,001	498,638	242.493,730	80,317	418,321
1347+0,000		14.150,080	43,098	15.475,080	0,261		188.203,001	22,512	242.516,243	4,126	18,386
1347+7,496		14.150,080	39,654	15.514,734	3,748		188.203,001	310,154	242.826,397	59,368	250,786
1347+13,496		14.150,080	16,298	15.531,032	3,000		188.203,001	167,856	242.994,253	47,520	120,336
1348+0,000		14.150,080	13,088	15.544,120	3,252		188.203,001	95,563	243.089,817	51,512	44,051
1348+5,654		14.150,080	10,116	15.554,236	2,827		188.203,001	65,598	243.155,414	44,780	20,818
1349+0,000	5,304	14.155,384	3,077	15.557,313	7,173	38,046	188.241,046	94,633	243.250,048	78,881	15,752



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1349+13,496	16,930	14.172,314	0,181	15.557,494	6,748	150,035	188.391,081	21,985	243.272,033	21,985	
1350+0,000	20,878	14.193,192		15.557,494	3,252	122,952	188.514,033	0,589	243.272,621	0,589	
1351+0,000	38,040	14.231,232		15.557,494	10,000	589,180	189.103,213		243.272,621		
1351+17,984	47,283	14.278,515		15.557,494	8,992	767,224	189.870,438		243.272,621		
1352+0,000	45,824	14.324,339		15.557,494	1,008	93,852	189.964,289		243.272,621		
1353+0,000	34,768	14.359,107	1,265	15.558,759	10,000	805,920	190.770,209	12,650	243.285,271	12,650	
1353+19,479	17,149	14.376,256	4,983	15.563,742	9,740	505,646	191.275,855	60,852	243.346,124	60,852	
1354+0,000	16,564	14.392,820	5,095	15.568,837	0,261	8,782	191.284,637	2,625	243.348,749	2,625	
1354+2,473	13,939	14.406,759	5,646	15.574,483	1,237	37,717	191.322,354	13,281	243.362,030	13,281	
1355+0,000	1,593	14.408,352	9,732	15.584,215	8,764	136,115	191.458,469	134,765	243.496,795	118,886	15,879
1355+10,315		14.408,352	18,276	15.602,491	5,158	8,216	191.466,685	144,451	243.641,247	81,695	62,756
1356+0,000		14.408,352	20,788	15.623,279	4,843		191.466,685	189,167	243.830,414	76,705	112,462
1356+2,473		14.408,352	23,043	15.646,322	1,237		191.466,685	54,197	243.884,611	19,586	34,611
1356+8,473		14.408,352	29,545	15.675,867	3,000		191.466,685	157,764	244.042,375	47,520	110,244
1357+0,000		14.408,352	20,354	15.696,221	5,764		191.466,685	287,593	244.329,968	91,294	196,299
1357+6,630		14.408,352	15,654	15.711,875	3,315		191.466,685	119,367	244.449,334	52,510	66,857
1357+17,461		14.408,352	10,610	15.722,485	5,415		191.466,685	142,220	244.591,554	85,782	56,438
1358+0,000		14.408,352	9,498	15.731,983	1,270		191.466,685	25,527	244.617,081	20,109	5,418
1358+13,734	2,415	14.410,767	4,536	15.736,519	6,867	16,584	191.483,269	96,371	244.713,453	85,535	10,836
1358+15,619	3,626	14.414,393	3,334	15.739,853	0,943	5,694	191.488,962	7,417	244.720,870	7,417	
1359+0,000	7,242	14.421,635	1,242	15.741,095	2,191	23,806	191.512,769	10,024	244.730,894	10,024	
1359+6,619	16,000	14.437,635	0,003	15.741,098	3,310	76,919	191.589,688	4,120	244.735,014	4,120	
1359+13,777	27,427	14.465,062		15.741,098	3,579	155,425	191.745,113	0,011	244.735,025	0,011	
1360+0,000	38,905	14.503,967		15.741,098	3,112	206,392	191.951,505		244.735,025		
1361+0,000	72,707	14.576,674		15.741,098	10,000	1.116,120	193.067,625		244.735,025		
1361+1,619	75,148	14.651,822		15.741,098	0,810	119,689	193.187,314		244.735,025		
1361+11,139	90,808	14.742,630		15.741,098	4,760	789,951	193.977,264		244.735,025		
1361+12,425	93,190	14.835,820		15.741,098	0,644	118,403	194.095,667		244.735,025		
1362+0,000	91,253	14.927,073		15.741,098	3,788	698,578	194.794,245		244.735,025		
1362+3,232	88,374	15.015,447		15.741,098	1,616	290,277	195.084,522		244.735,025		
1363+0,000	77,787	15.093,234		15.741,098	8,384	1.393,094	196.477,616		244.735,025		
1363+11,074	65,660	15.158,894		15.741,098	5,537	794,266	197.271,882		244.735,025		
1363+18,232	56,259	15.215,153		15.741,098	3,579	436,348	197.708,230		244.735,025		
1364+0,000	52,955	15.268,108		15.741,098	0,884	96,545	197.804,775		244.735,025		
1364+9,232	38,986	15.307,094		15.741,098	4,616	424,400	198.229,175		244.735,025		
1365+0,000	28,647	15.335,741		15.741,098	5,384	364,136	198.593,311		244.735,025		
1365+7,390	23,672	15.359,413		15.741,098	3,695	193,319	198.786,630		244.735,025		
1366+0,000	16,478	15.375,891		15.741,098	6,305	253,146	199.039,776		244.735,025		
1366+13,734	8,113	15.384,004		15.741,098	6,867	168,866	199.208,642		244.735,025		
1366+16,166	6,748	15.390,752		15.741,098	1,216	18,071	199.226,713		244.735,025		
1367+0,000	4,565	15.395,317	0,003	15.741,101	1,917	21,687	199.248,400	0,006	244.735,031	0,006	
1368+0,000		15.395,317	8,757	15.749,858	10,000	45,650	199.294,050	87,600	244.822,631	79,230	8,370
1369+0,000		15.395,317	18,875	15.768,733	10,000		199.294,050	276,320	245.098,951	158,400	117,920
1370+0,000		15.395,317	27,001	15.795,734	10,000		199.294,050	458,760	245.557,711	158,400	300,360
1371+0,000		15.395,317	37,339	15.833,073	10,000		199.294,050	643,400	246.201,111	158,400	485,000
1372+0,000	0,204	15.395,521	6,213	15.839,286	10,000	2,040	199.296,090	435,520	246.636,631	141,330	294,190
1373+0,000	10,549	15.406,070	0,060	15.839,346	10,000	107,530	199.403,620	62,730	246.699,361	62,730	
1374+0,000	25,151	15.431,221		15.839,346	10,000	357,000	199.760,620	0,600	246.699,961	0,600	
1374+4,397	25,248	15.456,469		15.839,346	2,199	110,802	199.871,422		246.699,961		
1374+16,166	24,664	15.481,133		15.839,346	5,885	293,707	200.165,129		246.699,961		
1375+0,000	24,228	15.505,361		15.839,346	1,917	93,726	200.258,855		246.699,961		
1376+0,000	19,638	15.524,999		15.839,346	10,000	438,660	200.697,515		246.699,961		
1377+0,000	10,203	15.535,202		15.839,346	10,000	298,410	200.995,925		246.699,961		
1378+0,000	3,356	15.538,558	0,009	15.839,355	10,000	135,590	201.131,515	0,090	246.700,051	0,090	
1379+0,000	1,180	15.539,738	2,069	15.841,424	10,000	45,360	201.176,875	20,780	246.720,831	20,780	
1380+0,000	0,150	15.539,888	4,897	15.846,321	10,000	13,300	201.190,175	69,660	246.790,491	69,660	
1381+0,000	1,303	15.541,191	4,908	15.851,229	10,000	14,530	201.204,705	98,050	246.888,541	98,050	
1382+0,000	0,403	15.541,594	3,270	15.854,499	10,000	17,060	201.221,765	81,780	246.970,321	81,780	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1383+0,000		15.541,594	7,168	15.861,667	10,000	4,030	201.225,795	104,380	247.074,701	104,380	
1384+0,000		15.541,594	9,956	15.871,623	10,000		201.225,795	171,240	247.245,941	150,880	20,360
1385+0,000	3,662	15.545,256	2,191	15.873,814	10,000	36,620	201.262,415	121,470	247.367,411	101,110	20,360
1386+0,000	7,521	15.552,777		15.873,814	10,000	111,830	201.374,245	21,910	247.389,321	21,910	
1387+0,000	5,173	15.557,950		15.873,814	10,000	126,940	201.501,185		247.389,321		
1388+0,000	1,211	15.559,161	1,334	15.875,148	10,000	63,840	201.565,025	13,340	247.402,661	13,340	
1389+0,000	0,944	15.560,105	8,734	15.883,882	10,000	21,550	201.586,575	100,680	247.503,341	92,540	8,140
1389+13,075	1,803	15.561,908	1,661	15.885,543	6,538	17,959	201.604,534	67,957	247.571,298	62,636	5,321
1390+0,000	2,860	15.564,768	0,875	15.886,418	3,463	16,146	201.620,679	8,781	247.580,079	8,781	
1390+11,075	2,991	15.567,759	0,530	15.886,948	5,538	32,400	201.653,079	7,780	247.587,859	7,780	
1391+0,000	0,730	15.568,489	3,938	15.890,886	4,463	16,605	201.669,684	19,938	247.607,797	19,938	
1391+9,075	0,074	15.568,563	11,642	15.902,528	4,538	3,648	201.673,332	70,694	247.678,492	53,806	16,888
1392+0,000	0,017	15.568,580	26,284	15.928,812	5,463	0,497	201.673,830	207,171	247.885,662	86,526	120,645
1392+19,075	0,067	15.568,647	34,080	15.962,892	9,538	0,801	201.674,631	575,722	248.461,384	151,074	424,648
1393+0,000	0,074	15.568,721	33,251	15.996,143	0,463	0,065	201.674,696	31,141	248.492,525	7,326	23,815
1393+17,976	0,366	15.569,087	33,309	16.029,452	8,988	3,955	201.678,651	598,241	249.090,766	142,370	455,871
1394+0,000	0,425	15.569,512	32,969	16.062,421	1,012	0,800	201.679,451	67,073	249.157,839	16,030	51,043
1394+16,877	1,257	15.570,769	12,270	16.074,691	8,439	14,194	201.693,645	381,749	249.539,589	133,666	248,083
1395+0,000	1,377	15.572,146	8,213	16.082,904	1,562	4,113	201.697,758	31,984	249.571,573	24,734	7,250
1396+0,000	0,540	15.572,686	2,101	16.085,005	10,000	19,170	201.716,928	103,140	249.674,713	100,210	2,930
1396+16,877	0,068	15.572,754	1,665	16.086,670	3,439	2,091	201.719,018	12,949	249.687,662	12,949	
1396+16,304		15.572,754	5,827	16.092,497	4,714	0,321	201.719,339	35,314	249.722,976	35,314	
1397+0,000		15.572,754	7,842	16.100,339	1,848		201.719,339	25,260	249.748,236	25,260	
1397+5,641		15.572,754	10,761	16.111,100	2,821		201.719,339	52,470	249.800,706	44,457	8,013
1398+0,000		15.572,754	20,866	16.131,966	7,180		201.719,339	227,066	250.027,772	113,723	113,343
1398+12,075		15.572,754	21,071	16.153,037	6,038		201.719,339	253,195	250.280,967	95,634	157,561
1399+0,000		15.572,754	12,862	16.165,899	3,963		201.719,339	134,460	250.415,426	62,766	71,694
1400+0,000	8,324	15.581,078	0,252	16.166,151	10,000	83,240	201.802,579	131,140	250.546,566	81,720	49,420
1400+2,075	10,566	15.591,644		16.166,151	1,038	19,598	201.822,177	0,261	250.546,827	0,261	
1401+0,000	59,697	15.651,341		16.166,151	8,963	629,732	202.451,909		250.546,827		
1401+12,910	83,778	15.735,119		16.166,151	6,455	926,131	203.378,040		250.546,827		
1402+0,000	94,099	15.829,218		16.166,151	3,545	630,574	204.008,614		250.546,827		
1403+0,000	117,353	15.946,571		16.166,151	10,000	2.114,520	206.123,134		250.546,827		
1403+3,744	121,815	16.068,386		16.166,151	1,872	447,722	206.570,857		250.546,827		
1404+0,000	118,094	16.186,480		16.166,151	8,128	1.949,980	208.520,837		250.546,827		
1404+13,744	93,108	16.279,588		16.166,151	6,872	1.451,380	209.972,217		250.546,827		
1405+0,000	83,664	16.363,252		16.166,151	3,128	552,943	210.525,160		250.546,827		
1405+11,744	66,953	16.430,205		16.166,151	5,872	884,423	211.409,583		250.546,827		
1406+0,000	60,929	16.491,134		16.166,151	4,128	527,897	211.937,480		250.546,827		
1406+9,744	57,117	16.548,251		16.166,151	4,872	575,120	212.512,600		250.546,827		
1406+16,304	53,703	16.601,954		16.166,151	3,280	363,490	212.876,090		250.546,827		
1407+0,000	50,842	16.652,796		16.166,151	1,848	193,199	213.069,289		250.546,827		
1408+0,000	39,291	16.692,087		16.166,151	10,000	901,330	213.970,619		250.546,827		
1409+0,000	29,034	16.721,121		16.166,151	10,000	683,250	214.653,869		250.546,827		
1410+0,000	23,024	16.744,145		16.166,151	10,000	520,580	215.174,449		250.546,827		
1411+0,000	11,727	16.755,872		16.166,151	10,000	347,510	215.521,959		250.546,827		
1412+0,000	5,612	16.761,484		16.166,151	10,000	173,390	215.695,349		250.546,827		
1412+18,880	5,156	16.766,640		16.166,151	9,440	101,650	215.796,999		250.546,827		
1413+0,000	5,667	16.772,307		16.166,151	0,560	6,061	215.803,060		250.546,827		
1414+0,000	21,043	16.793,350		16.166,151	10,000	267,100	216.070,160		250.546,827		
1415+0,000	27,719	16.821,069		16.166,151	10,000	487,620	216.557,780		250.546,827		
1416+0,000		16.821,069	21,770	16.187,921	10,000	277,190	216.834,970	217,700	250.764,527	79,200	138,500
1417+0,000		16.821,069	56,411	16.244,332	10,000		216.834,970	781,810	251.546,337	158,400	623,410
1418+0,000		16.821,069	64,049	16.308,381	10,000		216.834,970	1.204,600	252.750,937	158,400	1.046,200
1419+0,000		16.821,069	47,416	16.355,797	10,000		216.834,970	1.114,650	253.865,587	158,400	956,250
1420+0,000		16.821,069	39,088	16.394,885	10,000		216.834,970	865,040	254.730,627	158,400	706,640
1420+18,880		16.821,069	30,468	16.425,353	9,440		216.834,970	656,609	255.387,236	149,530	507,079
1421+0,000		16.821,069	30,141	16.455,494	0,560		216.834,970	33,941	255.421,177	8,870	25,071

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1421+16,465		16.821,069	29,381	16.484,875	8,233		216.834,970	490,015	255.911,192	130,403	359,612
1422+0,000		16.821,069	29,238	16.514,113	1,768		216.834,970	103,609	256.014,801	27,997	75,612
1422+2,726		16.821,069	29,135	16.543,248	1,363		216.834,970	79,562	256.094,363	21,590	57,972
1422+14,726		16.821,069	28,834	16.572,082	6,000		216.834,970	347,814	256.442,177	95,040	252,774
1423+0,000		16.821,069	27,075	16.599,157	2,637		216.834,970	147,432	256.589,610	41,770	105,662
1423+12,987		16.821,069	23,614	16.622,771	6,494		216.834,970	329,149	256.918,759	102,857	226,292
1424+0,000		16.821,069	22,413	16.645,184	3,507		216.834,970	161,394	257.080,152	55,543	105,851
1424+2,726		16.821,069	21,900	16.667,084	1,363		216.834,970	60,399	257.140,551	21,590	38,809
1425+0,000		16.821,069	15,958	16.683,042	8,637		216.834,970	326,980	257.467,530	136,810	190,170
1425+13,472		16.821,069	12,445	16.695,487	6,736		216.834,970	191,323	257.658,853	106,698	84,625
1426+0,000		16.821,069	8,542	16.704,029	3,264		216.834,970	68,502	257.727,355	51,702	16,800
1427+0,000		16.821,069	6,138	16.710,167	10,000		216.834,970	146,800	257.874,155	140,580	6,220
1427+4,218		16.821,069	6,350	16.716,517	2,109		216.834,970	26,337	257.900,492	26,337	
1427+8,638		16.821,069	7,985	16.724,502	2,210		216.834,970	31,680	257.932,172	31,537	0,143
1427+13,958		16.821,069	9,958	16.734,460	2,660		216.834,970	47,719	257.979,892	42,134	5,585
1428+0,000		16.821,069	11,873	16.746,333	3,021		216.834,970	65,951	258.045,843	47,853	18,098
1428+12,218		16.821,069	18,778	16.765,111	6,109		216.834,970	187,247	258.233,090	96,767	90,480
1429+0,000		16.821,069	25,026	16.790,137	3,891		216.834,970	170,441	258.403,531	61,633	108,808
1429+4,218		16.821,069	24,039	16.814,176	2,109		216.834,970	103,478	258.507,009	33,407	70,071
1429+10,479		16.821,069	22,682	16.836,858	3,131		216.834,970	146,260	258.653,269	49,587	96,673
1430+0,000		16.821,069	20,500	16.857,358	4,761		216.834,970	205,568	258.858,837	75,406	130,162
1431+0,000		16.821,069	18,705	16.876,063	10,000		216.834,970	392,050	259.250,887	158,400	233,650
1432+0,000		16.821,069	10,830	16.886,893	10,000		216.834,970	295,350	259.546,237	158,400	136,950
1433+0,000		16.821,069	12,243	16.899,136	10,000		216.834,970	230,730	259.776,967	158,400	72,330
1434+0,000		16.821,069	11,232	16.910,368	10,000		216.834,970	234,750	260.011,717	158,400	76,350
1435+0,000		16.821,069	13,077	16.923,445	10,000		216.834,970	243,090	260.254,807	158,400	84,690
1435+8,638		16.821,069	14,363	16.937,808	4,319		216.834,970	118,513	260.373,321	68,413	50,100
1436+0,000		16.821,069	12,857	16.950,665	5,681		216.834,970	154,637	260.527,958	89,987	64,650
1436+17,897		16.821,069	12,657	16.963,322	8,949		216.834,970	228,312	260.756,270	141,744	86,568
1437+0,000		16.821,069	13,115	16.976,437	1,052		216.834,970	27,099	260.783,369	16,656	10,443
1437+2,085		16.821,069	13,573	16.990,010	1,043		216.834,970	27,822	260.811,191	16,513	11,309
1437+19,897		16.821,069	18,026	17.008,036	8,906		216.834,970	281,421	261.092,612	141,071	140,350
1438+0,000		16.821,069	18,036	17.026,072	0,052		216.834,970	1,857	261.094,469	0,816	1,041
1438+17,710		16.821,069	19,459	17.045,531	8,855		216.834,970	332,018	261.426,487	140,263	191,755
1439+0,000		16.821,069	19,108	17.064,639	1,145		216.834,970	44,159	261.470,646	18,137	26,022
1439+17,897		16.821,069	16,053	17.080,692	8,949		216.834,970	314,638	261.785,285	141,744	172,894
1440+0,000		16.821,069	15,809	17.096,501	1,052		216.834,970	33,503	261.818,788	16,656	16,847
1441+0,000		16.821,069	14,612	17.111,113	10,000		216.834,970	304,210	262.122,998	158,400	145,810
1441+12,860		16.821,069	12,165	17.123,278	6,430		216.834,970	172,176	262.295,174	101,851	70,325
1442+0,000		16.821,069	12,325	17.135,603	3,570		216.834,970	87,429	262.382,603	56,549	30,880
1442+16,831		16.821,069	12,138	17.147,741	8,416		216.834,970	205,868	262.588,471	133,302	72,566
1443+0,000		16.821,069	12,131	17.159,872	1,585		216.834,970	38,454	262.626,926	25,098	13,356
1444+0,000		16.821,069	13,209	17.173,081	10,000		216.834,970	253,400	262.880,326	158,400	95,000
1445+0,000		16.821,069	6,392	17.179,473	10,000		216.834,970	196,010	263.076,336	143,120	52,890
1445+15,765		16.821,069	10,420	17.189,893	7,883		216.834,970	132,521	263.208,856	112,814	19,707
1446+0,000		16.821,069	10,549	17.200,442	2,118		216.834,970	44,402	263.253,258	33,541	10,861
1446+15,953		16.821,069	12,071	17.212,513	7,977		216.834,970	180,428	263.433,686	126,348	54,080
1447+0,000		16.821,069	11,923	17.224,436	2,024		216.834,970	48,552	263.482,238	32,052	16,500
1447+13,765		16.821,069	9,497	17.233,933	6,883		216.834,970	147,423	263.629,661	109,019	38,404
1448+0,000		16.821,069	8,867	17.242,800	3,118		216.834,970	57,250	263.686,911	49,381	7,869
1448+11,578		16.821,069	7,552	17.250,352	5,789		216.834,970	95,050	263.781,961	89,567	5,483
1448+15,765		16.821,069	7,799	17.258,151	2,094		216.834,970	32,145	263.814,106	32,137	0,008
1449+0,000		16.821,069	8,156	17.266,307	2,118		216.834,970	33,785	263.847,890	33,285	0,500
1449+12,860		16.821,069	10,708	17.277,015	6,430		216.834,970	121,296	263.969,186	101,851	19,445
1450+0,000		16.821,069	11,016	17.288,031	3,570		216.834,970	77,555	264.046,741	56,549	21,006
1451+0,000		16.821,069	13,164	17.301,195	10,000		216.834,970	241,800	264.288,541	158,400	83,400
1452+0,000		16.821,069	17,009	17.318,204	10,000		216.834,970	301,730	264.590,271	158,400	143,330
1453+0,000		16.821,069	14,941	17.333,145	10,000		216.834,970	319,500	264.909,771	158,400	161,100

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1454+0,000		16.821,069	10,816	17.343,961	10,000		216.834,970	257,570	265.167,341	158,400	99,170
1455+0,000		16.821,069	10,651	17.354,612	10,000		216.834,970	214,670	265.382,011	158,400	56,270
1456+0,000		16.821,069	11,623	17.366,235	10,000		216.834,970	222,740	265.604,751	158,400	64,340
1456+5,136		16.821,069	11,296	17.377,531	2,568		216.834,970	58,856	265.663,607	40,677	18,179
1457+0,000		16.821,069	7,460	17.384,991	7,432		216.834,970	139,395	265.803,001	114,304	25,091
1458+0,000		16.821,069	4,152	17.389,143	10,000		216.834,970	116,120	265.919,121	116,120	
1458+16,643		16.821,069	4,959	17.394,102	8,322		216.834,970	75,817	265.994,938	75,817	
1459+0,000		16.821,069	5,278	17.399,380	1,679		216.834,970	17,183	266.012,121	17,183	
1459+8,643		16.821,069	6,819	17.406,199	4,322		216.834,970	52,277	266.064,398	52,277	
1459+13,443		16.821,069	7,595	17.413,794	2,400		216.834,970	34,594	266.098,992	34,594	
1460+0,000		16.821,069	8,359	17.422,153	3,279		216.834,970	52,305	266.151,297	50,866	1,439
1460+6,643		16.821,069	8,438	17.430,591	0,322		216.834,970	5,400	266.156,697	5,093	0,307
1461+0,000		16.821,069	9,651	17.440,242	9,679		216.834,970	175,074	266.331,772	153,307	21,767
1462+0,000		16.821,069	9,586	17.449,828	10,000		216.834,970	192,370	266.524,142	158,400	33,970
1463+0,000		16.821,069	9,687	17.459,515	10,000		216.834,970	192,730	266.716,872	158,400	34,330
1463+18,649		16.821,069	9,660	17.469,175	9,325		216.834,970	180,401	266.897,273	147,700	32,701
1464+0,000		16.821,069	9,730	17.478,905	0,676		216.834,970	13,098	266.910,371	10,700	2,398
1465+0,000		16.821,069	8,225	17.487,130	10,000		216.834,970	179,550	267.089,921	158,400	21,150
1466+0,000		16.821,069	6,889	17.494,019	10,000		216.834,970	151,140	267.241,061	148,090	3,050
1467+0,000	0,062	16.821,131	7,521	17.501,540	10,000	0,620	216.835,590	144,100	267.385,161	144,100	
1467+16,654	0,332	16.821,463	8,005	17.509,545	8,327	3,281	216.838,871	129,285	267.514,446	128,577	0,708
1468+0,000	0,404	16.821,867	7,709	17.517,254	1,673	1,231	216.840,102	26,290	267.540,735	26,147	0,143
1468+3,854	0,500	16.822,367	7,303	17.524,557	1,927	1,742	216.841,844	28,928	267.569,664	28,928	
1468+8,654	0,640	16.823,007	6,716	17.531,273	2,400	2,736	216.844,580	33,646	267.603,309	33,646	
1469+0,000	0,519	16.823,526	5,535	17.536,808	5,673	6,575	216.851,155	69,500	267.672,809	69,500	
1469+0,654	0,526	16.824,052	5,474	17.542,282	0,327	0,342	216.851,497	3,600	267.676,409	3,600	
1469+5,136	0,577	16.824,629	5,359	17.547,641	2,242	2,472	216.853,969	24,282	267.700,691	24,282	
1470+0,000	0,586	16.825,215	4,603	17.552,244	7,432	8,643	216.862,612	74,038	267.774,729	74,038	
1471+0,000	0,416	16.825,631	3,709	17.555,953	10,000	10,020	216.872,632	83,120	267.857,849	83,120	
1472+0,000	0,706	16.826,337	4,111	17.560,064	10,000	11,220	216.883,852	78,200	267.936,049	78,200	
1473+0,000	0,082	16.826,419	5,995	17.566,059	10,000	7,880	216.891,732	101,060	268.037,109	101,060	
1474+0,000		16.826,419	18,536	17.584,595	10,000	0,820	216.892,552	245,310	268.282,419	139,150	106,160
1475+0,000		16.826,419	21,609	17.606,204	10,000		216.892,552	401,450	268.683,869	158,400	243,050
1475+0,620		16.826,419	21,508	17.627,712	0,310		216.892,552	13,366	268.697,235	4,910	8,456
1476+0,000		16.826,419	21,109	17.648,821	9,690		216.892,552	412,959	269.110,194	153,490	259,469
1477+0,000		16.826,419	25,038	17.673,859	10,000		216.892,552	461,470	269.571,664	158,400	303,070
1478+0,000		16.826,419	30,569	17.704,428	10,000		216.892,552	556,070	270.127,734	158,400	397,670
1479+0,000		16.826,419	38,930	17.743,358	10,000		216.892,552	694,990	270.822,724	158,400	536,590
1480+0,000		16.826,419	23,566	17.766,924	10,000		216.892,552	624,960	271.447,684	158,400	466,560
1481+0,000		16.826,419	8,470	17.775,394	10,000		216.892,552	320,360	271.768,044	158,400	161,960
1482+0,000	6,005	16.832,424		17.775,394	10,000	60,050	216.952,602	84,700	271.852,744	79,200	5,500
1483+0,000	19,317	16.851,741		17.775,394	10,000	253,220	217.205,822		271.852,744		
1484+0,000	29,475	16.881,216		17.775,394	10,000	487,920	217.693,742		271.852,744		
1485+0,000	37,217	16.918,433		17.775,394	10,000	666,920	218.360,662		271.852,744		
1485+0,620	37,338	16.955,771		17.775,394	0,310	23,112	218.383,774		271.852,744		
1486+0,000	39,199	16.994,970		17.775,394	9,690	741,644	219.125,418		271.852,744		
1487+0,000	37,029	17.031,999		17.775,394	10,000	762,280	219.887,698		271.852,744		
1488+0,000	36,426	17.068,425		17.775,394	10,000	734,550	220.622,248		271.852,744		
1489+0,000	32,666	17.101,091		17.775,394	10,000	690,920	221.313,168		271.852,744		
1490+0,000	30,355	17.131,446		17.775,394	10,000	630,210	221.943,378		271.852,744		
1491+0,000	29,236	17.160,682		17.775,394	10,000	595,910	222.539,288		271.852,744		
1492+0,000	27,630	17.188,312		17.775,394	10,000	568,660	223.107,948		271.852,744		
1493+0,000	24,623	17.212,935		17.775,394	10,000	522,530	223.630,478		271.852,744		
1494+0,000	19,422	17.232,357		17.775,394	10,000	440,450	224.070,928		271.852,744		
1495+0,000	12,400	17.244,757		17.775,394	10,000	318,220	224.389,148		271.852,744		
1496+0,000	3,402	17.248,159	0,089	17.775,483	10,000	158,020	224.547,168	0,890	271.853,634	0,890	
1497+0,000	0,214	17.248,373	4,817	17.780,300	10,000	36,160	224.583,328	49,060	271.902,694	49,060	
1498+0,000		17.248,373	21,438	17.801,738	10,000	2,140	224.585,468	262,550	272.165,244	127,370	135,180

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1499+0,000		17.248,373	39,960	17.841,698	10,000		224.585,468	613,980	272.779,224	158,400	455,580
1499+16,534		17.248,373	51,724	17.893,422	8,267		224.585,468	757,952	273.537,175	130,949	627,003
1500+0,000		17.248,373	45,452	17.938,874	1,733		224.585,468	168,406	273.705,581	27,451	140,955
1501+0,000		17.248,373	25,892	17.964,766	10,000		224.585,468	713,440	274.419,021	158,400	555,040
1501+16,872		17.248,373	23,144	17.987,910	8,436		224.585,468	413,668	274.832,689	133,626	280,042
1502+0,000		17.248,373	22,292	18.010,202	1,564		224.585,468	71,062	274.903,751	24,774	46,288
1503+0,000		17.248,373	17,450	18.027,652	10,000		224.585,468	397,420	275.301,171	158,400	239,020
1504+0,000		17.248,373	16,573	18.044,225	10,000		224.585,468	340,230	275.641,401	158,400	181,830
1505+0,000		17.248,373	20,044	18.064,269	10,000		224.585,468	366,170	276.007,571	158,400	207,770
1506+0,000		17.248,373	13,722	18.077,991	10,000		224.585,468	337,660	276.345,231	158,400	179,260
1507+0,000		17.248,373	7,871	18.085,862	10,000		224.585,468	215,930	276.561,161	157,910	58,020
1508+0,000		17.248,373	6,132	18.091,994	10,000		224.585,468	140,030	276.701,191	140,030	
1509+0,000		17.248,373	9,529	18.101,523	10,000		224.585,468	156,610	276.857,801	140,520	16,090
1509+16,534	0,018	17.248,391	9,402	18.110,925	8,267	0,149	224.585,617	156,503	277.014,304	130,949	25,554
1510+0,000	0,076	17.248,467	9,419	18.120,344	1,733	0,163	224.585,780	32,617	277.046,920	27,451	5,166
1511+0,000	0,002	17.248,469	13,074	18.133,418	10,000	0,780	224.586,560	224,930	277.271,850	158,400	66,530
1512+0,000	0,752	17.249,221	8,741	18.142,159	10,000	7,540	224.594,100	218,150	277.490,000	158,400	59,750
1513+0,000	1,803	17.251,024	2,720	18.144,879	10,000	25,550	224.619,650	114,610	277.604,610	106,400	8,210
1514+0,000	3,143	17.254,167	0,158	18.145,037	10,000	49,460	224.669,110	28,780	277.633,390	28,780	
1515+0,000	1,675	17.255,842	0,548	18.145,585	10,000	48,180	224.717,290	7,060	277.640,450	7,060	
1516+0,000	0,730	17.256,572	1,758	18.147,343	10,000	24,050	224.741,340	23,060	277.663,510	23,060	
1517+0,000	0,582	17.257,154	0,724	18.148,067	10,000	13,120	224.754,460	24,820	277.688,330	24,820	
1518+0,000	0,138	17.257,292	2,949	18.151,016	10,000	7,200	224.761,660	36,730	277.725,060	36,730	
1519+0,000	0,431	17.257,723	3,688	18.154,704	10,000	5,690	224.767,350	66,370	277.791,430	66,370	
1520+0,000	0,131	17.257,854	4,833	18.159,537	10,000	5,620	224.772,970	85,210	277.876,640	85,210	
1520+17,738	0,019	17.257,873	4,171	18.163,708	8,869	1,330	224.774,300	79,856	277.956,497	79,856	
1521+0,000	0,001	17.257,874	3,923	18.167,631	1,131	0,023	224.774,323	9,154	277.965,651	9,154	
1522+0,000		17.257,874	7,071	18.174,702	10,000	0,010	224.774,333	109,940	278.075,591	109,940	
1523+0,000	0,002	17.257,876	5,831	18.180,533	10,000	0,020	224.774,353	129,020	278.204,611	129,020	
1524+0,000	0,726	17.258,602	2,291	18.182,824	10,000	7,280	224.781,633	81,220	278.285,831	81,220	
1525+0,000	0,656	17.259,258	1,219	18.184,043	10,000	13,820	224.795,453	35,100	278.320,931	35,100	
1526+0,000	0,269	17.259,527	1,689	18.185,732	10,000	9,250	224.804,703	29,080	278.350,011	29,080	
1527+0,000	0,248	17.259,775	1,526	18.187,258	10,000	5,170	224.809,873	32,150	278.382,161	32,150	
1528+0,000	2,629	17.262,404		18.187,258	10,000	28,770	224.838,643	15,260	278.397,421	15,260	
1528+5,182	2,663	17.265,067		18.187,258	2,591	13,712	224.852,354		278.397,421		
1529+0,000	0,578	17.265,645	1,218	18.188,476	7,409	24,013	224.876,367	9,024	278.406,445	9,024	
1530+0,000	0,125	17.265,770	2,172	18.190,648	10,000	7,030	224.883,397	33,900	278.440,345	33,900	
1531+0,000	0,107	17.265,877	4,409	18.195,057	10,000	2,320	224.885,717	65,810	278.506,155	65,810	
1532+0,000		17.265,877	6,018	18.201,075	10,000	1,070	224.886,787	104,270	278.610,425	104,270	
1533+0,000	0,007	17.265,884	5,563	18.206,638	10,000	0,070	224.886,857	115,810	278.726,235	115,810	
1534+0,000	0,136	17.266,020	3,371	18.210,009	10,000	1,430	224.888,287	89,340	278.815,575	89,340	
1534+17,738	0,052	17.266,072	1,173	18.211,182	8,869	1,667	224.889,954	40,301	278.855,876	40,301	
1535+0,000	0,093	17.266,165	0,917	18.212,099	1,131	0,164	224.890,118	2,364	278.858,240	2,364	
1536+0,000		17.266,165	2,364	18.214,463	10,000	0,930	224.891,048	32,810	278.891,050	32,810	
1537+0,000	0,014	17.266,179	4,157	18.218,620	10,000	0,140	224.891,188	65,210	278.956,260	65,210	
1538+0,000		17.266,179	4,561	18.223,181	10,000	0,140	224.891,328	87,180	279.043,440	87,180	
1539+0,000	0,064	17.266,243	7,031	18.230,212	10,000	0,640	224.891,968	115,920	279.159,360	115,920	
1540+0,000	0,293	17.266,536	5,150	18.235,362	10,000	3,570	224.895,538	121,810	279.281,170	121,810	
1541+0,000	0,248	17.266,784	5,955	18.241,317	10,000	5,410	224.900,948	111,050	279.392,220	111,050	
1542+0,000	0,540	17.267,324	4,626	18.245,943	10,000	7,880	224.908,828	105,810	279.498,030	105,810	
1543+0,000	0,135	17.267,459	5,100	18.251,043	10,000	6,750	224.915,578	97,260	279.595,290	97,260	
1544+0,000	0,427	17.267,886	4,028	18.255,071	10,000	5,620	224.921,198	91,280	279.686,570	91,280	
1544+7,022	0,471	17.268,357	3,819	18.258,890	3,511	3,153	224.924,351	27,551	279.714,121	27,551	
1545+0,000	0,436	17.268,793	3,342	18.262,232	6,489	5,886	224.930,237	46,468	279.760,588	46,468	
1546+0,000	0,149	17.268,942	1,836	18.264,068	10,000	5,850	224.936,087	51,780	279.812,368	51,780	
1547+0,000	0,012	17.268,954	2,046	18.266,114	10,000	1,610	224.937,697	38,820	279.851,188	38,820	
1548+0,000	0,178	17.269,132	1,266	18.267,380	10,000	1,900	224.939,597	33,120	279.884,308	33,120	
1549+0,000		17.269,132	3,344	18.270,724	10,000	1,780	224.941,377	46,100	279.930,408	46,100	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1550+0,000		17.269,132	4,196	18.274,920	10,000		224.941,377	75,400	280.005,808	75,400	
1551+0,000		17.269,132	4,745	18.279,665	10,000		224.941,377	89,410	280.095,218	89,410	
1552+0,000		17.269,132	5,529	18.285,194	10,000		224.941,377	102,740	280.197,958	102,740	
1553+0,000		17.269,132	6,847	18.292,041	10,000		224.941,377	123,760	280.321,718	123,760	
1554+0,000		17.269,132	8,807	18.300,848	10,000		224.941,377	156,540	280.478,258	147,670	8,870
1554+7,022		17.269,132	9,220	18.310,068	3,511		224.941,377	63,293	280.541,551	55,614	7,679
1555+0,000		17.269,132	7,582	18.317,650	6,489		224.941,377	109,028	280.650,579	100,592	8,436
1556+0,000		17.269,132	6,510	18.324,160	10,000		224.941,377	140,920	280.791,499	140,920	
1557+0,000		17.269,132	7,191	18.331,351	10,000		224.941,377	137,010	280.928,509	137,010	
1558+0,000		17.269,132	7,457	18.338,808	10,000		224.941,377	146,480	281.074,989	146,480	
1559+0,000		17.269,132	8,513	18.347,321	10,000		224.941,377	159,700	281.234,689	153,770	5,930
1560+0,000		17.269,132	7,780	18.355,101	10,000		224.941,377	162,930	281.397,619	157,000	5,930
1560+13,559		17.269,132	8,118	18.363,219	6,780		224.941,377	107,780	281.505,400	106,438	1,342
1561+0,000		17.269,132	7,671	18.370,890	3,221		224.941,377	50,848	281.556,248	50,211	0,637
1562+0,000		17.269,132	7,382	18.378,272	10,000		224.941,377	150,530	281.706,778	150,530	
1563+0,000		17.269,132	5,922	18.384,194	10,000		224.941,377	133,040	281.839,818	133,040	
1564+0,000		17.269,132	3,659	18.387,853	10,000		224.941,377	95,810	281.935,628	95,810	
1565+0,000		17.269,132	2,687	18.390,540	10,000		224.941,377	63,460	281.999,088	63,460	
1565+10,979		17.269,132	2,814	18.393,354	5,490		224.941,377	30,198	282.029,286	30,198	
1566+0,000		17.269,132	3,610	18.396,964	4,511		224.941,377	28,975	282.058,262	28,975	
1567+0,000		17.269,132	5,253	18.402,217	10,000		224.941,377	88,630	282.146,892	88,630	
1567+10,308		17.269,132	4,956	18.407,173	5,154		224.941,377	52,617	282.199,509	52,617	
1568+0,000		17.269,132	4,031	18.411,204	4,846		224.941,377	43,551	282.243,060	43,551	
1569+0,000		17.269,132	3,779	18.414,983	10,000		224.941,377	78,100	282.321,160	78,100	
1569+9,637		17.269,132	4,968	18.419,951	4,819		224.941,377	42,147	282.363,307	42,147	
1570+0,000		17.269,132	4,990	18.424,941	5,182		224.941,377	51,597	282.414,905	51,597	
1570+13,559		17.269,132	3,537	18.428,478	6,780		224.941,377	57,809	282.472,713	57,809	
1571+0,000		17.269,132	2,771	18.431,249	3,221		224.941,377	20,315	282.493,028	20,315	
1572+0,000		17.269,132	3,271	18.434,520	10,000		224.941,377	60,420	282.553,448	60,420	
1573+0,000		17.269,132	3,485	18.438,005	10,000		224.941,377	67,560	282.621,008	67,560	
1574+0,000		17.269,132	3,437	18.441,442	10,000		224.941,377	69,220	282.690,228	69,220	
1575+0,000		17.269,132	4,968	18.446,410	10,000		224.941,377	84,050	282.774,278	84,050	
1576+0,000		17.269,132	7,116	18.453,526	10,000		224.941,377	120,840	282.895,118	120,840	
1577+0,000		17.269,132	7,804	18.461,330	10,000		224.941,377	149,200	283.044,318	149,200	
1578+0,000		17.269,132	8,313	18.469,643	10,000		224.941,377	161,170	283.205,488	157,240	3,930
1578+11,586		17.269,132	8,136	18.477,779	5,793		224.941,377	95,289	283.300,777	91,761	3,528
1579+0,000		17.269,132	8,076	18.485,855	4,207		224.941,377	68,204	283.368,981	66,639	1,565
1580+0,000		17.269,132	7,012	18.492,867	10,000		224.941,377	150,880	283.519,861	149,320	1,560
1581+0,000		17.269,132	6,724	18.499,591	10,000		224.941,377	137,360	283.657,221	137,360	
1582+0,000		17.269,132	7,693	18.507,284	10,000		224.941,377	144,170	283.801,391	144,170	
1583+0,000		17.269,132	7,973	18.515,257	10,000		224.941,377	156,660	283.958,051	156,130	0,530
1584+0,000		17.269,132	7,594	18.522,851	10,000		224.941,377	155,670	284.113,721	155,140	0,530
1585+0,000		17.269,132	11,079	18.533,930	10,000		224.941,377	186,730	284.300,451	155,140	31,590
1585+11,586		17.269,132	11,831	18.545,761	5,793		224.941,377	132,718	284.433,169	91,761	40,957
1586+0,000		17.269,132	13,334	18.559,095	4,207		224.941,377	105,869	284.539,038	66,639	39,230
1586+3,868		17.269,132	14,020	18.573,115	1,934		224.941,377	52,903	284.591,941	30,635	22,268
1586+3,870		17.269,132	16,664	18.589,779	0,001		224.941,377	0,031	284.591,971	0,016	0,015
1586+10,000		17.269,132	16,415	18.606,194	3,065		224.941,377	101,387	284.693,358	48,550	52,837
1587+0,000		17.269,132	19,303	18.625,497	5,000		224.941,377	178,590	284.871,948	79,200	99,390
1587+10,000		17.269,132	22,424	18.647,921	5,000		224.941,377	208,635	285.080,583	79,200	129,435
1587+11,556		17.269,132	22,952	18.670,873	0,778		224.941,377	35,303	285.115,886	12,324	22,979
1587+12,929		17.269,132	23,434	18.694,307	0,687		224.941,377	31,867	285.147,753	10,874	20,993
1588+0,000		17.269,132	26,264	18.720,571	3,536		224.941,377	175,707	285.323,460	56,002	119,705
1588+10,000		17.269,132	29,570	18.750,141	5,000		224.941,377	279,170	285.602,630	79,200	199,970
1589+0,000		17.269,132	29,162	18.779,303	5,000		224.941,377	293,660	285.896,290	79,200	214,460
1589+10,000		17.269,132	29,848	18.809,151	5,000		224.941,377	295,050	286.191,340	79,200	215,850
1589+13,868		17.269,132	29,940	18.839,091	1,934		224.941,377	115,630	286.306,970	30,635	84,995
1589+13,870		17.269,132	29,940	18.869,031	0,001		224.941,377	0,060	286.307,030	0,016	0,044

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1590+0,000		17.269,132	31,287	18.900,318	3,065		224.941,377	187,661	286.494,691	48,550	139,111
1590+10,000		17.269,132	33,930	18.934,248	5,000		224.941,377	326,085	286.820,776	79,200	246,885
1591+0,000		17.269,132	36,613	18.970,861	5,000		224.941,377	352,715	287.173,491	79,200	273,515
1591+10,000		17.269,132	39,696	19.010,557	5,000		224.941,377	381,545	287.555,036	79,200	302,345
1592+0,000		17.269,132	43,675	19.054,232	5,000		224.941,377	416,855	287.971,891	79,200	337,655
1592+10,000		17.269,132	49,228	19.103,460	5,000		224.941,377	464,515	288.436,406	79,200	385,315
1592+11,556		17.269,132	50,147	19.153,607	0,778		224.941,377	77,314	288.513,720	12,324	64,990
1592+15,120		17.269,132	52,320	19.205,927	1,782		224.941,377	182,596	288.696,316	28,227	154,369
1593+0,000		17.269,132	55,291	19.261,218	2,440		224.941,377	262,571	288.958,887	38,650	223,921
1593+8,678		17.269,132	58,287	19.319,505	4,339		224.941,377	492,815	289.451,702	68,730	424,085
1593+8,680		17.269,132	58,287	19.377,792	0,001		224.941,377	0,117	289.451,818	0,016	0,101
1593+10,000		17.269,132	57,960	19.435,752	0,660		224.941,377	76,723	289.528,541	10,454	66,269
1594+0,000		17.269,132	55,485	19.491,237	5,000		224.941,377	567,225	290.095,766	79,200	488,025
1594+10,000		17.269,132	53,129	19.544,366	5,000		224.941,377	543,070	290.638,836	79,200	463,870
1595+0,000		17.269,132	50,258	19.594,624	5,000		224.941,377	516,935	291.155,771	79,200	437,735
1595+10,000		17.269,132	47,350	19.641,974	5,000		224.941,377	488,040	291.643,811	79,200	408,840
1596+0,000		17.269,132	47,199	19.689,173	5,000		224.941,377	472,745	292.116,556	79,200	393,545
1596+10,000		17.269,132	43,856	19.733,029	5,000		224.941,377	455,275	292.571,831	79,200	376,075
1596+18,678		17.269,132	41,794	19.774,823	4,339		224.941,377	371,635	292.943,467	68,730	302,905
1596+18,680		17.269,132	41,794	19.816,617	0,001		224.941,377	0,084	292.943,550	0,016	0,068
1597+0,000		17.269,132	41,747	19.858,364	0,660		224.941,377	55,137	292.998,687	10,454	44,683
1597+15,120		17.269,132	43,564	19.901,928	7,560		224.941,377	644,951	293.643,639	119,750	525,201
1598+0,000		17.269,132	47,349	19.949,277	2,440		224.941,377	221,828	293.865,466	38,650	183,178
1599+0,000		17.269,132	67,359	20.016,636	10,000		224.941,377	1.147,080	295.012,546	158,400	988,680
1599+5,120		17.269,132	67,809	20.084,445	2,560		224.941,377	346,030	295.358,576	40,550	305,480
PONTE SOBRE O CÔRREGO JACU QUEIMADO											
1600+15,120		17.269,132	74,525	20.158,970			224.941,377		295.358,576		
1601+0,000		17.269,132	81,314	20.240,284	2,440		224.941,377	380,247	295.738,823	38,650	341,597
1602+0,000		17.269,132	73,903	20.314,187	10,000		224.941,377	1.552,170	297.290,993	158,400	1.393,770
1602+5,120		17.269,132	72,140	20.386,327	2,560		224.941,377	373,870	297.664,864	40,550	333,320
1603+0,000		17.269,132	61,793	20.448,120	7,440		224.941,377	996,462	298.661,325	117,850	878,612
1604+0,000		17.269,132	48,818	20.496,938	10,000		224.941,377	1.106,110	299.767,435	158,400	947,710
1605+0,000		17.269,132	30,903	20.527,841	10,000		224.941,377	797,210	300.564,645	158,400	638,810
1606+0,000		17.269,132	23,598	20.551,439	10,000		224.941,377	545,010	301.109,655	158,400	386,610
1607+0,000		17.269,132	23,328	20.574,767	10,000		224.941,377	469,260	301.578,915	158,400	310,860
1608+0,000		17.269,132	25,715	20.600,482	10,000		224.941,377	490,430	302.069,345	158,400	332,030
1609+0,000		17.269,132	31,258	20.631,740	10,000		224.941,377	569,730	302.639,075	158,400	411,330
1610+0,000		17.269,132	30,431	20.662,171	10,000		224.941,377	616,890	303.255,965	158,400	458,490
1611+0,000		17.269,132	19,593	20.681,764	10,000		224.941,377	500,240	303.756,205	158,400	341,840
1612+0,000		17.269,132	15,347	20.697,111	10,000		224.941,377	349,400	304.105,605	158,400	191,000
1612+5,120		17.269,132	13,099	20.710,210	2,560		224.941,377	72,822	304.178,427	40,550	32,272
1613+0,000		17.269,132	11,649	20.721,859	7,440		224.941,377	184,125	304.362,552	117,850	66,275
1614+0,000		17.269,132	10,678	20.732,537	10,000		224.941,377	223,270	304.585,822	158,400	64,870
1615+0,000		17.269,132	8,860	20.741,397	10,000		224.941,377	195,380	304.781,202	158,400	36,980
1616+0,000		17.269,132	8,921	20.750,318	10,000		224.941,377	177,810	304.959,012	158,400	19,410
1617+0,000		17.269,132	7,065	20.757,383	10,000		224.941,377	159,860	305.118,872	149,850	10,010
1618+0,000		17.269,132	11,525	20.768,908	10,000		224.941,377	185,900	305.304,772	149,850	36,050
1618+7,907		17.269,132	14,835	20.783,743	3,954		224.941,377	104,214	305.408,986	62,623	41,591
1619+0,000		17.269,132	17,662	20.801,405	6,047		224.941,377	196,493	305.605,479	95,777	100,716
1620+0,000		17.269,132	6,653	20.808,058	10,000		224.941,377	243,150	305.848,629	145,730	97,420
1621+0,000		17.269,132	5,898	20.813,956	10,000		224.941,377	125,510	305.974,139	125,510	
1622+0,000		17.269,132	4,341	20.818,297	10,000		224.941,377	102,390	306.076,529	102,390	
1623+0,000		17.269,132	4,958	20.823,255	10,000		224.941,377	92,990	306.169,519	92,990	
1624+0,000		17.269,132	5,346	20.828,601	10,000		224.941,377	103,040	306.272,559	103,040	
1625+0,000		17.269,132	4,574	20.833,175	10,000		224.941,377	99,200	306.371,759	99,200	
1626+0,000		17.269,132	4,605	20.837,780	10,000		224.941,377	91,790	306.463,549	91,790	
1627+0,000		17.269,132	4,139	20.841,919	10,000		224.941,377	87,440	306.550,989	87,440	
1628+0,000		17.269,132	5,387	20.847,306	10,000		224.941,377	95,260	306.646,249	95,260	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C. Acum. (m³)	Vol. Aterro (m³)	Vol. A. Acum. (m³)	100% PI	100% PN
1628+7,907		17.269,132	6,182	20.853,488	3,954		224.941,377	45,738	306.691,987	45,738	
1629+0,000		17.269,132	6,466	20.859,954	6,047		224.941,377	76,476	306.768,463	76,476	
1629+0,372		17.269,132	6,460	20.866,414	0,186		224.941,377	2,404	306.770,868	2,404	
1630+0,000		17.269,132	6,198	20.872,612	9,814		224.941,377	124,226	306.895,093	124,226	
1631+0,000		17.269,132	6,228	20.878,840	10,000		224.941,377	124,260	307.019,353	124,260	
1632+0,000		17.269,132	6,423	20.885,263	10,000		224.941,377	126,510	307.145,863	126,510	
1633+0,000		17.269,132	6,013	20.891,276	10,000		224.941,377	124,360	307.270,223	124,360	
1634+0,000		17.269,132	4,438	20.895,714	10,000		224.941,377	104,510	307.374,733	104,510	
1635+0,000	0,395	17.269,527	1,227	20.896,941	10,000	3,950	224.945,327	56,650	307.431,383	56,650	
1636+0,000	1,810	17.271,337	0,512	20.897,453	10,000	22,050	224.967,377	17,390	307.448,773	17,390	
1637+0,000	4,473	17.275,810	0,026	20.897,479	10,000	62,830	225.030,207	5,380	307.454,153	5,380	
1638+0,000	3,785	17.279,595		20.897,479	10,000	82,580	225.112,787	0,260	307.454,413	0,260	
1638+19,257	5,430	17.285,025		20.897,479	9,629	88,727	225.201,513		307.454,413		
1639+0,000	5,480	17.290,505		20.897,479	0,372	4,053	225.205,566		307.454,413		
1640+0,000	8,508	17.299,013		20.897,479	10,000	139,880	225.345,446		307.454,413		
1641+0,000	42,250	17.341,263		20.897,479	10,000	507,580	225.853,026		307.454,413		
1642+0,000	41,016	17.382,279		20.897,479	10,000	832,660	226.685,686		307.454,413		
1643+0,000	48,032	17.430,311		20.897,479	10,000	890,480	227.576,166		307.454,413		
1644+0,000	69,773	17.500,084		20.897,479	10,000	1.178,050	228.754,216		307.454,413		
1645+0,000	74,547	17.574,631		20.897,479	10,000	1.443,200	230.197,416		307.454,413		
1646+0,000	79,320	17.653,951		20.897,479	10,000	1.538,670	231.736,086		307.454,413		
1647+0,000	71,868	17.725,819		20.897,479	10,000	1.511,880	233.247,966		307.454,413		
1648+0,000	72,250	17.798,069		20.897,479	10,000	1.441,180	234.689,146		307.454,413		
1648+3,233	72,495	17.870,564		20.897,479	1,617	233,980	234.923,127		307.454,413		
1648+19,257	68,603	17.939,167		20.897,479	8,012	1.130,407	236.053,533		307.454,413		
1649+0,000	68,320	18.007,487		20.897,479	0,372	50,867	236.104,400		307.454,413		
1650+0,000	57,534	18.065,021		20.897,479	10,000	1.258,540	237.362,940		307.454,413		
1651+0,000	46,118	18.111,139		20.897,479	10,000	1.036,520	238.399,460		307.454,413		
1652+0,000	39,803	18.150,942		20.897,479	10,000	859,210	239.258,670		307.454,413		
1653+0,000	31,261	18.182,203		20.897,479	10,000	710,640	239.969,310		307.454,413		
1654+0,000	37,550	18.219,753		20.897,479	10,000	688,110	240.657,420		307.454,413		
1655+0,000	29,061	18.248,814		20.897,479	10,000	666,110	241.323,530		307.454,413		
1656+0,000	18,843	18.267,657		20.897,479	10,000	479,040	241.802,570		307.454,413		
1657+0,000	7,186	18.274,843		20.897,479	10,000	260,290	242.062,860		307.454,413		
1658+0,000	0,672	18.275,515	2,912	20.900,391	10,000	78,580	242.141,440	29,120	307.483,533	29,120	
1659+0,000		18.275,515	5,979	20.906,370	10,000	6,720	242.148,160	88,910	307.572,443	88,910	
1660+0,000		18.275,515	9,554	20.915,924	10,000		242.148,160	155,330	307.727,773	138,990	16,340
1661+0,000		18.275,515	14,648	20.930,572	10,000		242.148,160	242,020	307.969,793	158,400	83,620
1662+0,000		18.275,515	17,131	20.947,703	10,000		242.148,160	317,790	308.287,583	158,400	159,390
1662+3,383		18.275,515	17,723	20.965,426	1,692		242.148,160	58,956	308.346,539	26,793	32,163
1663+0,000		18.275,515	21,601	20.987,027	8,309		242.148,160	326,723	308.673,262	131,607	195,116
1663+1,861		18.275,515	21,925	21.008,952	0,931		242.148,160	40,501	308.713,763	14,739	25,762
1664+0,000		18.275,515	19,162	21.028,114	9,070		242.148,160	372,639	309.086,402	143,661	228,978
1665+0,000		18.275,515	20,552	21.048,666	10,000		242.148,160	397,140	309.483,542	158,400	238,740
1666+0,000		18.275,515	21,820	21.070,486	10,000		242.148,160	423,720	309.907,262	158,400	265,320
1667+0,000		18.275,515	23,709	21.094,195	10,000		242.148,160	455,290	310.362,552	158,400	296,890
1668+0,000		18.275,515	24,318	21.118,513	10,000		242.148,160	480,270	310.842,822	158,400	321,870
1669+0,000		18.275,515	19,270	21.137,783	10,000		242.148,160	435,880	311.278,702	158,400	277,480
1670+0,000		18.275,515	13,865	21.151,648	10,000		242.148,160	331,350	311.610,052	158,400	172,950
1671+0,000		18.275,515	10,004	21.161,652	10,000		242.148,160	238,690	311.848,742	158,400	80,290
1672+0,000		18.275,515	10,639	21.172,291	10,000		242.148,160	206,430	312.055,172	158,400	48,030
1672+3,383		18.275,515	10,587	21.182,878	1,692		242.148,160	35,904	312.091,076	26,793	9,111
1673+0,000		18.275,515	9,286	21.192,164	8,309		242.148,160	165,115	312.256,190	131,607	33,508
1673+16,467		18.275,515	6,572	21.198,736	8,234		242.148,160	130,567	312.386,757	119,320	11,247
1674+0,000		18.275,515	6,394	21.205,130	1,767		242.148,160	22,904	312.409,662	22,904	
1675+0,000		18.275,515	4,608	21.209,738	10,000		242.148,160	110,020	312.519,682	110,020	
1676+0,000		18.275,515	3,580	21.213,318	10,000		242.148,160	81,880	312.601,562	81,880	
1677+0,000	1,095	18.276,610	0,932	21.214,250	10,000	10,950	242.159,110	45,120	312.646,682	45,120	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1678+0,000	0,895	18.277,505	0,719	21.214,969	10,000	19,900	242.179,010	16,510	312.663,192	16,510	
1679+0,000	5,481	18.282,986		21.214,969	10,000	63,760	242.242,770	7,190	312.670,382	7,190	
1680+0,000	13,797	18.296,783		21.214,969	10,000	192,780	242.435,550		312.670,382		
1681+0,000	21,704	18.318,487		21.214,969	10,000	355,010	242.790,560		312.670,382		
1682+0,000	23,692	18.342,179		21.214,969	10,000	453,960	243.244,520		312.670,382		
1683+0,000	22,554	18.364,733		21.214,969	10,000	462,460	243.706,980		312.670,382		
1683+5,054	21,548	18.386,281		21.214,969	2,527	111,446	243.818,426		312.670,382		
1683+16,467	19,170	18.405,451		21.214,969	5,707	232,357	244.050,783		312.670,382		
1684+0,000	18,411	18.423,862		21.214,969	1,767	66,387	244.117,170		312.670,382		
1685+0,000	12,080	18.435,942		21.214,969	10,000	304,910	244.422,080		312.670,382		
1686+0,000	3,143	18.439,085	0,443	21.215,412	10,000	152,230	244.574,310	4,430	312.674,812	4,430	
1686+11,044	0,246	18.439,331	2,087	21.217,499	5,522	18,714	244.593,024	13,971	312.688,782	13,971	
1687+0,000		18.439,331	6,332	21.223,831	4,478	1,102	244.594,126	37,700	312.726,483	37,700	
1688+0,000		18.439,331	16,199	21.240,030	10,000		244.594,126	225,310	312.951,793	142,520	82,790
1689+0,000		18.439,331	14,409	21.254,439	10,000		244.594,126	306,080	313.257,873	158,400	147,680
1689+7,546		18.439,331	14,809	21.269,248	3,773		244.594,126	110,240	313.368,112	59,764	50,476
1690+0,000		18.439,331	14,919	21.284,167	6,227		244.594,126	185,116	313.553,228	98,636	86,480
1691+0,000		18.439,331	13,296	21.297,463	10,000		244.594,126	282,150	313.835,378	158,400	123,750
1692+0,000		18.439,331	10,471	21.307,934	10,000		244.594,126	237,670	314.073,048	158,400	79,270
1692+4,048		18.439,331	10,829	21.318,763	2,024		244.594,126	43,111	314.116,160	32,060	11,051
1693+0,000		18.439,331	6,408	21.325,171	7,976		244.594,126	137,482	314.253,642	114,280	23,202
1694+0,000	3,019	18.442,350	2,427	21.327,598	10,000	30,190	244.624,316	88,350	314.341,992	88,350	
1695+0,000		18.442,350	6,991	21.334,589	10,000	30,190	244.654,506	94,180	314.436,172	94,180	
1696+0,000		18.442,350	7,217	21.341,806	10,000		244.654,506	142,080	314.578,252	142,080	
1697+0,000		18.442,350	7,182	21.348,988	10,000		244.654,506	143,990	314.722,242	143,990	
1698+0,000		18.442,350	5,475	21.354,463	10,000		244.654,506	126,570	314.848,812	126,570	
1699+0,000		18.442,350	4,231	21.358,694	10,000		244.654,506	97,060	314.945,872	97,060	
1700+0,000	0,591	18.442,941	1,933	21.360,627	10,000	5,910	244.660,416	61,640	315.007,512	61,640	
1701+0,000		18.442,941	3,584	21.364,211	10,000	5,910	244.666,326	55,170	315.062,682	55,170	
1702+0,000		18.442,941	6,602	21.370,813	10,000		244.666,326	101,860	315.164,542	101,860	
1703+0,000		18.442,941	7,633	21.378,446	10,000		244.666,326	142,350	315.306,892	142,350	
1703+1,675		18.442,941	7,714	21.386,160	0,838		244.666,326	12,853	315.319,745	12,853	
1704+0,000		18.442,941	8,108	21.394,268	9,163		244.666,326	144,969	315.464,714	143,247	1,722
1705+0,000		18.442,941	9,365	21.403,633	10,000		244.666,326	174,730	315.639,444	158,400	16,330
1706+0,000		18.442,941	7,732	21.411,365	10,000		244.666,326	170,970	315.810,414	156,520	14,450
1707+0,000		18.442,941	3,864	21.415,229	10,000		244.666,326	115,960	315.926,374	115,960	
1708+0,000		18.442,941	3,669	21.418,898	10,000		244.666,326	75,330	316.001,704	75,330	
1709+0,000		18.442,941	3,206	21.422,104	10,000		244.666,326	68,750	316.070,454	68,750	
1710+0,000		18.442,941	2,551	21.424,655	10,000		244.666,326	57,570	316.128,024	57,570	
1711+0,000		18.442,941	3,915	21.428,570	10,000		244.666,326	64,660	316.192,684	64,660	
1712+0,000		18.442,941	6,931	21.435,501	10,000		244.666,326	108,460	316.301,144	108,460	
1713+0,000		18.442,941	8,322	21.443,823	10,000		244.666,326	152,530	316.453,674	148,510	4,020
1713+1,675		18.442,941	8,335	21.452,158	0,838		244.666,326	13,950	316.467,624	13,266	0,684
1714+0,000		18.442,941	9,467	21.461,625	9,163		244.666,326	163,111	316.630,735	145,134	17,977
1715+0,000		18.442,941	10,864	21.472,489	10,000		244.666,326	203,310	316.834,045	158,400	44,910
1716+0,000		18.442,941	9,698	21.482,187	10,000		244.666,326	205,620	317.039,665	158,400	47,220
1717+0,000		18.442,941	7,793	21.489,980	10,000		244.666,326	174,910	317.214,575	157,130	17,780
1718+0,000		18.442,941	4,087	21.494,067	10,000		244.666,326	118,800	317.333,375	118,800	
1719+0,000	0,696	18.443,637	2,733	21.496,800	10,000	6,960	244.673,286	68,200	317.401,575	68,200	
1720+0,000	1,402	18.445,039	2,731	21.499,531	10,000	20,980	244.694,266	54,640	317.456,215	54,640	
1721+0,000	1,116	18.446,155	2,976	21.502,507	10,000	25,180	244.719,446	57,070	317.513,285	57,070	
1722+0,000	0,290	18.446,445	4,285	21.506,792	10,000	14,060	244.733,506	72,610	317.585,895	72,610	
1723+0,000	0,498	18.446,943	6,301	21.513,093	10,000	7,880	244.741,386	105,860	317.691,755	105,860	
1724+0,000	0,514	18.447,457	5,736	21.518,829	10,000	10,120	244.751,506	120,370	317.812,125	120,370	
1725+0,000	0,374	18.447,831	5,155	21.523,984	10,000	8,880	244.760,386	108,910	317.921,035	108,910	
1725+0,410	0,384	18.448,215	5,159	21.529,143	0,205	0,155	244.760,541	2,114	317.923,150	2,114	
1726+0,000	0,227	18.448,442	6,914	21.536,057	9,795	5,985	244.766,526	118,255	318.041,405	118,255	
1727+0,000		18.448,442	16,583	21.552,640	10,000	2,270	244.768,796	234,970	318.276,375	148,340	86,630

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1728+0,000		18.448,442	30,029	21.582,669	10,000		244.768,796	466,120	318.742,495	158,400	307,720
1729+0,000		18.448,442	46,660	21.629,329	10,000		244.768,796	766,890	319.509,385	158,400	608,490
1730+0,000		18.448,442	97,310	21.726,639	10,000		244.768,796	1.439,700	320.949,085	158,400	1.281,300
1730+15,507		18.448,442	51,194	21.777,833	7,754		244.768,796	1.151,426	322.100,510	122,815	1.028,611
1731+0,000		18.448,442	44,756	21.822,589	2,247		244.768,796	215,552	322.316,062	35,585	179,967
1732+0,000		18.448,442	24,139	21.846,728	10,000		244.768,796	688,950	323.005,012	158,400	530,550
1733+0,000		18.448,442	15,414	21.862,142	10,000		244.768,796	395,530	323.400,542	158,400	237,130
1734+0,000		18.448,442	11,370	21.873,512	10,000		244.768,796	267,840	323.668,382	158,400	109,440
1735+0,000		18.448,442	9,577	21.883,089	10,000		244.768,796	209,470	323.877,852	158,400	51,070
1735+0,410		18.448,442	9,577	21.892,666	0,205		244.768,796	3,927	323.881,779	3,247	0,680
1736+0,000		18.448,442	9,610	21.902,276	9,795		244.768,796	187,937	324.069,715	155,153	32,784
1737+0,000		18.448,442	8,442	21.910,718	10,000		244.768,796	180,520	324.250,235	158,400	22,120
1738+0,000	0,079	18.448,521	6,353	21.917,071	10,000	0,790	244.769,586	147,950	324.398,185	142,730	5,220
1739+0,000	0,156	18.448,677	3,473	21.920,544	10,000	2,350	244.771,936	98,260	324.496,445	98,260	
1740+0,000	0,347	18.449,024	3,208	21.923,752	10,000	5,030	244.776,966	66,810	324.563,255	66,810	
1741+0,000	0,542	18.449,566	3,664	21.927,416	10,000	8,890	244.785,856	68,720	324.631,975	68,720	
1742+0,000	1,035	18.450,601	3,373	21.930,789	10,000	15,770	244.801,626	70,370	324.702,345	70,370	
1743+0,000	1,347	18.451,948	3,557	21.934,346	10,000	23,820	244.825,446	69,300	324.771,645	69,300	
1743+8,455	1,219	18.453,167	3,318	21.937,664	4,228	10,848	244.836,294	29,064	324.800,709	29,064	
1744+0,000	0,584	18.453,751	2,812	21.940,476	5,773	10,408	244.846,701	35,385	324.836,095	35,385	
1745+0,000	0,794	18.454,545	3,132	21.943,608	10,000	13,780	244.860,481	59,440	324.895,535	59,440	
1746+0,000	0,459	18.455,004	4,353	21.947,961	10,000	12,530	244.873,011	74,850	324.970,385	74,850	
1747+0,000	0,563	18.455,567	3,682	21.951,643	10,000	10,220	244.883,231	80,350	325.050,735	80,350	
1748+0,000	0,345	18.455,912	4,074	21.955,717	10,000	9,080	244.892,311	77,560	325.128,295	77,560	
1749+0,000	0,054	18.455,966	4,596	21.960,313	10,000	3,990	244.896,301	86,700	325.214,995	86,700	
1750+0,000	0,644	18.456,610	3,858	21.964,171	10,000	6,980	244.903,281	84,540	325.299,535	84,540	
1751+0,000	0,483	18.457,093	3,909	21.968,080	10,000	11,270	244.914,551	77,670	325.377,205	77,670	
1752+0,000	0,157	18.457,250	3,324	21.971,404	10,000	6,400	244.920,951	72,330	325.449,535	72,330	
1753+0,000	0,896	18.458,146	3,422	21.974,826	10,000	10,530	244.931,481	67,460	325.516,995	67,460	
1754+0,000	0,007	18.458,153	2,923	21.977,749	10,000	9,030	244.940,511	63,450	325.580,445	63,450	
1755+0,000	0,664	18.458,817	2,321	21.980,070	10,000	6,710	244.947,221	52,440	325.632,885	52,440	
1756+0,000	0,646	18.459,463	3,098	21.983,168	10,000	13,100	244.960,321	54,190	325.687,075	54,190	
1757+0,000	0,219	18.459,682	2,702	21.985,870	10,000	8,650	244.968,971	58,000	325.745,075	58,000	
1758+0,000	0,133	18.459,815	2,062	21.987,932	10,000	3,520	244.972,491	47,640	325.792,715	47,640	
1759+0,000	0,033	18.459,848	2,742	21.990,674	10,000	1,660	244.974,151	48,040	325.840,755	48,040	
1759+7,082	0,016	18.459,864	3,193	21.993,867	3,541	0,174	244.974,325	21,016	325.861,771	21,016	
1760+0,000	0,017	18.459,881	3,814	21.997,681	6,459	0,213	244.974,538	45,258	325.907,029	45,258	
1760+4,906	0,021	18.459,902	3,985	22.001,666	2,453	0,093	244.974,631	19,131	325.926,160	19,131	
1761+0,000	0,001	18.459,903	4,310	22.005,976	7,547	0,166	244.974,797	62,602	325.988,762	62,602	
1762+0,000	0,001	18.459,904	4,693	22.010,669	10,000	0,020	244.974,817	90,030	326.078,792	90,030	
1762+5,082		18.459,904	4,595	22.015,264	2,541	0,003	244.974,820	23,601	326.102,393	23,601	
1763+0,000		18.459,904	5,299	22.020,563	7,459		244.974,820	73,799	326.176,192	73,799	
1763+3,082		18.459,904	5,444	22.026,007	1,541		244.974,820	16,555	326.192,747	16,555	
1764+0,000		18.459,904	6,736	22.032,743	8,459		244.974,820	103,031	326.295,778	103,031	
1764+1,082		18.459,904	6,800	22.039,543	0,541		244.974,820	7,323	326.303,101	7,323	
1764+7,082		18.459,904	6,907	22.046,450	3,000		244.974,820	41,121	326.344,222	41,121	
1765+0,000		18.459,904	6,492	22.052,942	6,459		244.974,820	86,544	326.430,766	86,544	
1766+0,000		18.459,904	6,108	22.059,050	10,000		244.974,820	126,000	326.556,766	126,000	
1767+0,000		18.459,904	5,576	22.064,626	10,000		244.974,820	116,840	326.673,606	116,840	
1768+0,000		18.459,904	5,405	22.070,031	10,000		244.974,820	109,810	326.783,416	109,810	
1768+8,455		18.459,904	4,959	22.074,990	4,228		244.974,820	43,814	326.827,230	43,814	
1769+0,000		18.459,904	4,213	22.079,203	5,773		244.974,820	52,945	326.880,175	52,945	
1770+0,000		18.459,904	2,650	22.081,853	10,000		244.974,820	68,630	326.948,805	68,630	
1770+16,229		18.459,904	3,506	22.085,359	8,115		244.974,820	49,953	326.998,758	49,953	
1771+0,000		18.459,904	3,626	22.088,985	1,886		244.974,820	13,447	327.012,205	13,447	
1772+0,000		18.459,904	3,060	22.092,045	10,000		244.974,820	66,860	327.079,065	66,860	
1773+0,000		18.459,904	3,897	22.095,942	10,000		244.974,820	69,570	327.148,635	69,570	
1774+0,000		18.459,904	5,434	22.101,376	10,000		244.974,820	93,310	327.241,945	93,310	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C. Acum. (m³)	Vol. Aterro (m³)	Vol. A. Acum. (m³)	100% PI	100% PN
1775+0,000		18.459,904	5,546	22.106,922	10,000		244.974,820	109,800	327.351,745	109,800	
1776+0,000		18.459,904	5,315	22.112,237	10,000		244.974,820	108,610	327.460,355	108,610	
1777+0,000		18.459,904	5,063	22.117,300	10,000		244.974,820	103,780	327.564,135	103,780	
1777+5,377		18.459,904	5,419	22.122,719	2,689		244.974,820	28,181	327.592,316	28,181	
1777+11,156		18.459,904	5,945	22.128,664	2,890		244.974,820	32,836	327.625,153	32,836	
1777+11,377		18.459,904	5,967	22.134,631	0,111		244.974,820	1,316	327.626,469	1,316	
1778+0,000		18.459,904	5,670	22.140,301	4,312		244.974,820	50,173	327.676,642	50,173	
1778+9,377		18.459,904	5,235	22.145,536	4,689		244.974,820	51,128	327.727,770	51,128	
1779+0,000		18.459,904	4,978	22.150,514	5,312		244.974,820	54,246	327.782,016	54,246	
1779+7,377		18.459,904	4,669	22.155,183	3,689		244.974,820	35,583	327.817,599	35,583	
1780+0,000		18.459,904	4,815	22.159,998	6,312		244.974,820	59,858	327.877,457	59,858	
1781+0,000		18.459,904	4,865	22.164,863	10,000		244.974,820	96,800	327.974,257	96,800	
1782+0,000		18.459,904	5,479	22.170,342	10,000		244.974,820	103,440	328.077,697	103,440	
1782+5,377		18.459,904	5,397	22.175,739	2,689		244.974,820	29,240	328.106,938	29,240	
1783+0,000		18.459,904	5,345	22.181,084	7,312		244.974,820	78,540	328.185,478	78,540	
1784+0,000	0,003	18.459,907	5,325	22.186,409	10,000	0,030	244.974,850	106,700	328.292,178	106,700	
1785+0,000	0,011	18.459,918	4,459	22.190,868	10,000	0,140	244.974,990	97,840	328.390,018	97,840	
1786+0,000	0,093	18.460,011	4,993	22.195,861	10,000	1,040	244.976,030	94,520	328.484,538	94,520	
1787+0,000	0,170	18.460,181	5,805	22.201,666	10,000	2,630	244.978,660	107,980	328.592,518	107,980	
1788+0,000	0,127	18.460,308	5,713	22.207,379	10,000	2,970	244.981,630	115,180	328.707,698	115,180	
1789+0,000	0,157	18.460,465	6,567	22.213,946	10,000	2,840	244.984,470	122,800	328.830,498	122,800	
1790+0,000	0,051	18.460,516	6,113	22.220,059	10,000	2,080	244.986,550	126,800	328.957,298	126,800	
1791+0,000	0,214	18.460,730	3,991	22.224,050	10,000	2,650	244.989,200	101,040	329.058,338	101,040	
1792+0,000	0,143	18.460,873	3,581	22.227,631	10,000	3,570	244.992,770	75,720	329.134,058	75,720	
1792+11,156		18.460,873	3,868	22.231,499	5,578	0,798	244.993,567	41,551	329.175,608	41,551	
1793+0,000	0,034	18.460,907	2,749	22.234,248	4,422	0,150	244.993,718	29,260	329.204,869	29,260	
1794+0,000	0,284	18.461,191	3,015	22.237,263	10,000	3,180	244.996,898	57,640	329.262,509	57,640	
1795+0,000	0,015	18.461,206	3,230	22.240,493	10,000	2,990	244.999,888	62,450	329.324,959	62,450	
1796+0,000	0,671	18.461,877	2,218	22.242,711	10,000	6,860	245.006,748	54,480	329.379,439	54,480	
1796+19,705	0,454	18.462,331	2,206	22.244,917	9,853	11,084	245.017,832	43,587	329.423,026	43,587	
1797+0,000	0,443	18.462,774	2,193	22.247,110	0,148	0,132	245.017,964	0,649	329.423,675	0,649	
1798+0,000		18.462,774	4,414	22.251,524	10,000	4,430	245.022,394	66,070	329.489,745	66,070	
1799+0,000	0,006	18.462,780	4,487	22.256,011	10,000	0,060	245.022,454	89,010	329.578,755	89,010	
1800+0,000	0,165	18.462,945	4,979	22.260,990	10,000	1,710	245.024,164	94,660	329.673,415	94,660	
1801+0,000		18.462,945	5,653	22.266,643	10,000	1,650	245.025,814	106,320	329.779,735	106,320	
1802+0,000		18.462,945	7,303	22.273,946	10,000		245.025,814	129,560	329.909,295	129,560	
1803+0,000		18.462,945	8,815	22.282,761	10,000		245.025,814	161,180	330.070,475	152,230	8,950
1804+0,000		18.462,945	7,047	22.289,808	10,000		245.025,814	158,620	330.229,095	149,670	8,950
1805+0,000		18.462,945	10,095	22.299,903	10,000		245.025,814	171,420	330.400,515	149,670	21,750
1806+0,000		18.462,945	11,175	22.311,078	10,000		245.025,814	212,700	330.613,215	158,400	54,300
1807+0,000		18.462,945	12,768	22.323,846	10,000		245.025,814	239,430	330.852,645	158,400	81,030
1808+0,000		18.462,945	10,837	22.334,683	10,000		245.025,814	236,050	331.088,695	158,400	77,650
1809+0,000		18.462,945	8,675	22.343,358	10,000		245.025,814	195,120	331.283,815	158,400	36,720
1810+0,000		18.462,945	10,315	22.353,673	10,000		245.025,814	189,900	331.473,715	158,400	31,500
1811+0,000		18.462,945	10,840	22.364,513	10,000		245.025,814	211,550	331.685,265	158,400	53,150
1811+19,705		18.462,945	8,791	22.373,304	9,853		245.025,814	193,414	331.878,679	156,064	37,350
1812+0,000		18.462,945	8,773	22.382,077	0,148		245.025,814	2,591	331.881,270	2,336	0,255
1813+0,000		18.462,945	6,225	22.388,302	10,000		245.025,814	149,980	332.031,250	141,450	8,530
1814+0,000		18.462,945	6,098	22.394,400	10,000		245.025,814	123,230	332.154,480	123,230	
1814+18,619		18.462,945	6,092	22.400,492	9,310		245.025,814	113,483	332.267,963	113,483	
1815+0,000		18.462,945	6,221	22.406,713	0,691		245.025,814	8,502	332.276,465	8,502	
1816+0,000		18.462,945	6,640	22.413,353	10,000		245.025,814	128,610	332.405,075	128,610	
1817+0,000		18.462,945	9,720	22.423,073	10,000		245.025,814	163,600	332.568,675	145,600	18,000
1818+0,000		18.462,945	11,331	22.434,404	10,000		245.025,814	210,510	332.779,185	158,400	52,110
1819+0,000		18.462,945	14,443	22.448,847	10,000		245.025,814	257,740	333.036,925	158,400	99,340
1820+0,000		18.462,945	14,142	22.462,989	10,000		245.025,814	285,850	333.322,775	158,400	127,450
1821+0,000		18.462,945	15,452	22.478,441	10,000		245.025,814	295,940	333.618,715	158,400	137,540
1822+0,000		18.462,945	16,661	22.495,102	10,000		245.025,814	321,130	333.939,845	158,400	162,730

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1823+0,000		18.462,945	17,722	22.512,824	10,000		245.025,814	343,830	334.283,675	158,400	185,430
1823+8,673		18.462,945	17,276	22.530,100	4,337		245.025,814	151,769	334.435,444	68,690	83,079
1824+0,000		18.462,945	20,200	22.550,300	5,664		245.025,814	212,245	334.647,689	89,710	122,535
1824+18,619		18.462,945	19,969	22.570,269	9,310		245.025,814	373,953	335.021,642	147,462	226,491
1825+0,000		18.462,945	20,014	22.590,283	0,691		245.025,814	27,608	335.049,251	10,938	16,670
1826+0,000		18.462,945	17,255	22.607,538	10,000		245.025,814	372,690	335.421,941	158,400	214,290
1827+0,000		18.462,945	17,434	22.624,972	10,000		245.025,814	346,890	335.768,831	158,400	188,490
1828+0,000		18.462,945	13,194	22.638,166	10,000		245.025,814	306,280	336.075,111	158,400	147,880
1829+0,000		18.462,945	13,973	22.652,139	10,000		245.025,814	271,670	336.346,781	158,400	113,270
1830+0,000		18.462,945	13,457	22.665,596	10,000		245.025,814	274,300	336.621,081	158,400	115,900
1831+0,000		18.462,945	12,229	22.677,825	10,000		245.025,814	256,860	336.877,941	158,400	98,460
1832+0,000		18.462,945	10,106	22.687,931	10,000		245.025,814	223,350	337.101,291	158,400	64,950
1833+0,000		18.462,945	9,685	22.697,616	10,000		245.025,814	197,910	337.299,201	158,400	39,510
1834+0,000		18.462,945	9,180	22.706,796	10,000		245.025,814	188,650	337.487,851	158,400	30,250
1834+11,772		18.462,945	8,834	22.715,630	5,886		245.025,814	106,030	337.593,881	93,234	12,796
1835+0,000		18.462,945	8,983	22.724,613	4,114		245.025,814	73,299	337.667,180	65,166	8,133
1836+0,000		18.462,945	9,506	22.734,119	10,000		245.025,814	184,890	337.852,070	158,400	26,490
1836+17,341		18.462,945	8,673	22.742,792	8,671		245.025,814	157,621	338.009,691	137,341	20,280
1837+0,000		18.462,945	8,503	22.751,295	1,330		245.025,814	22,835	338.032,527	21,059	1,776
1838+0,000		18.462,945	8,555	22.757,150	10,000		245.025,814	143,580	338.176,107	137,750	5,830
1839+0,000		18.462,945	6,219	22.763,369	10,000		245.025,814	120,740	338.296,847	120,740	
1840+0,000		18.462,945	6,959	22.770,328	10,000		245.025,814	131,780	338.428,627	131,780	
1841+0,000		18.462,945	6,552	22.776,880	10,000		245.025,814	135,110	338.563,737	135,110	
1842+0,000		18.462,945	6,569	22.783,449	10,000		245.025,814	131,210	338.694,947	131,210	
1843+0,000		18.462,945	6,658	22.790,107	10,000		245.025,814	132,270	338.827,217	132,270	
1844+0,000		18.462,945	7,655	22.797,762	10,000		245.025,814	143,130	338.970,347	143,130	
1844+11,772		18.462,945	7,083	22.804,845	5,886		245.025,814	86,748	339.057,095	86,748	
1845+0,000		18.462,945	6,819	22.811,664	4,114		245.025,814	57,193	339.114,287	57,193	
1846+0,000		18.462,945	5,294	22.816,958	10,000		245.025,814	121,130	339.235,417	121,130	
1847+0,000		18.462,945	3,156	22.820,114	10,000		245.025,814	84,500	339.319,917	84,500	
1848+0,000		18.462,945	4,147	22.824,261	10,000		245.025,814	73,030	339.392,947	73,030	
1849+0,000		18.462,945	4,585	22.828,846	10,000		245.025,814	87,320	339.480,267	87,320	
1850+0,000	0,189	18.463,134	2,022	22.830,868	10,000	1,890	245.027,704	66,070	339.546,337	66,070	
1851+0,000	0,028	18.463,162	1,876	22.832,744	10,000	2,170	245.029,874	38,980	339.585,317	38,980	
1851+1,441	0,023	18.463,185	1,979	22.834,723	0,721	0,037	245.029,911	2,778	339.588,095	2,778	
1852+0,000		18.463,185	5,296	22.840,019	9,280	0,213	245.030,124	67,508	339.655,603	67,508	
1853+0,000		18.463,185	6,458	22.846,477	10,000		245.030,124	117,540	339.773,143	117,540	
1854+0,000		18.463,185	5,370	22.851,847	10,000		245.030,124	118,280	339.891,423	118,280	
1855+0,000		18.463,185	4,852	22.856,699	10,000		245.030,124	102,220	339.993,643	102,220	
1856+0,000		18.463,185	5,575	22.862,274	10,000		245.030,124	104,270	340.097,913	104,270	
1857+0,000		18.463,185	8,056	22.870,330	10,000		245.030,124	136,310	340.234,223	134,950	1,360
1858+0,000		18.463,185	8,041	22.878,371	10,000		245.030,124	160,970	340.395,193	158,400	2,570
1859+0,000		18.463,185	7,498	22.885,869	10,000		245.030,124	155,390	340.550,583	154,180	1,210
1859+1,441		18.463,185	6,096	22.891,965	0,721		245.030,124	9,794	340.560,378	9,794	
1860+0,000		18.463,185	4,742	22.896,707	9,280		245.030,124	100,571	340.660,949	100,571	
1861+0,000		18.463,185	6,373	22.903,080	10,000		245.030,124	111,150	340.772,099	111,150	
1862+0,000		18.463,185	4,839	22.907,919	10,000		245.030,124	112,120	340.884,219	112,120	
1863+0,000		18.463,185	6,496	22.914,415	10,000		245.030,124	113,350	340.997,569	113,350	
1864+0,000		18.463,185	7,871	22.922,286	10,000		245.030,124	143,670	341.141,239	143,670	
1865+0,000	0,347	18.463,532	6,281	22.928,567	10,000	3,470	245.033,594	141,520	341.282,759	141,520	
1865+1,625	0,496	18.464,028	6,222	22.934,789	0,813	0,685	245.034,279	10,159	341.292,918	10,159	
1866+0,000	0,114	18.464,142	5,606	22.940,395	9,188	5,604	245.039,884	108,670	341.401,587	108,670	
1866+18,568		18.464,142	6,552	22.946,947	9,284	1,058	245.040,942	112,875	341.514,462	112,875	
1867+0,000		18.464,142	6,573	22.953,520	0,716		245.040,942	9,398	341.523,860	9,398	
1868+0,000		18.464,142	7,684	22.961,204	10,000		245.040,942	142,570	341.666,430	142,570	
1869+0,000		18.464,142	9,041	22.970,245	10,000		245.040,942	167,250	341.833,680	156,040	11,210
1870+0,000		18.464,142	9,180	22.979,425	10,000		245.040,942	182,210	342.015,890	158,400	23,810
1870+8,748		18.464,142	9,356	22.988,781	4,374		245.040,942	81,076	342.096,966	69,284	11,792

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1871+0,000		18.464,142	9,158	22.997,939	5,626		245.040,942	104,160	342.201,126	89,116	15,044
1872+0,000		18.464,142	9,116	23.007,055	10,000		245.040,942	182,740	342.383,866	158,400	24,340
1873+0,000		18.464,142	9,844	23.016,899	10,000		245.040,942	189,600	342.573,466	158,400	31,200
1873+1,625		18.464,142	9,956	23.026,855	0,813		245.040,942	16,088	342.589,553	12,870	3,218
1873+18,929		18.464,142	11,237	23.038,092	8,652		245.040,942	183,362	342.772,915	137,048	46,314
1874+0,000		18.464,142	11,275	23.049,367	0,536		245.040,942	12,055	342.784,971	8,482	3,573
1874+13,505		18.464,142	11,849	23.061,216	6,753		245.040,942	156,145	342.941,115	106,960	49,185
1875+0,000		18.464,142	12,570	23.073,786	3,248		245.040,942	79,301	343.020,416	51,440	27,861
1876+0,000		18.464,142	12,856	23.086,642	10,000		245.040,942	254,260	343.274,676	158,400	95,860
1877+0,000		18.464,142	11,967	23.098,609	10,000		245.040,942	248,230	343.522,906	158,400	89,830
1877+2,248		18.464,142	12,749	23.111,358	1,124		245.040,942	27,781	343.550,687	17,804	9,977
1878+0,000		18.464,142	18,038	23.129,396	8,876		245.040,942	273,265	343.823,952	140,596	132,669
1879+0,000		18.464,142	22,501	23.151,897	10,000		245.040,942	405,390	344.229,342	158,400	246,990
1880+0,000		18.464,142	45,294	23.197,191	10,000		245.040,942	677,950	344.907,292	158,400	519,550
1880+13,505		18.464,142	39,073	23.236,264	6,753		245.040,942	569,688	345.476,980	106,960	462,728
1881+0,000		18.464,142	33,871	23.270,135	3,248		245.040,942	236,886	345.713,866	51,440	185,446
1881+8,400		18.464,142	35,240	23.305,375	4,200		245.040,942	290,266	346.004,132	66,528	223,738
1882+0,000		18.464,142	37,537	23.342,912	5,800		245.040,942	422,107	346.426,239	91,872	330,235
1883+0,000		18.464,142	34,704	23.377,616	10,000		245.040,942	722,410	347.148,649	158,400	564,010
1884+0,000		18.464,142	38,675	23.416,291	10,000		245.040,942	733,790	347.882,439	158,400	575,390
1885+0,000		18.464,142	43,393	23.459,684	10,000		245.040,942	820,680	348.703,119	158,400	662,280
1886+0,000		18.464,142	42,518	23.502,202	10,000		245.040,942	859,110	349.562,229	158,400	700,710
1887+0,000		18.464,142	41,717	23.543,919	10,000		245.040,942	842,350	350.404,579	158,400	683,950
1888+0,000		18.464,142	40,624	23.584,543	10,000		245.040,942	823,410	351.227,989	158,400	665,010
1889+0,000		18.464,142	45,506	23.630,049	10,000		245.040,942	861,300	352.089,289	158,400	702,900
1889+8,400		18.464,142	50,339	23.680,388	4,200		245.040,942	402,549	352.491,838	66,528	336,021
1890+0,000		18.464,142	59,942	23.740,330	5,800		245.040,942	639,630	353.131,468	91,872	547,758
1890+18,400		18.464,142	73,386	23.813,716	9,200		245.040,942	1.226,618	354.358,085	145,728	1.080,890
PONTE SOBRE O CÔRREGO CÔRGÃO											
1892+18,400		18.464,142	44,579	23.858,295			245.040,942		354.358,085		
1893+0,000		18.464,142	43,814	23.902,109	0,800		245.040,942	70,714	354.428,800	12,672	58,042
1894+0,000		18.464,142	44,249	23.946,358	10,000		245.040,942	880,630	355.309,430	158,400	722,230
1894+8,400		18.464,142	32,568	23.978,926	4,200		245.040,942	322,631	355.632,061	66,528	256,103
1895+0,000		18.464,142	20,066	23.998,992	5,800		245.040,942	305,277	355.937,338	91,872	213,405
1896+0,000		18.464,142	13,798	24.012,790	10,000		245.040,942	338,640	356.275,978	158,400	180,240
1897+0,000		18.464,142	8,910	24.021,700	10,000		245.040,942	227,080	356.503,058	158,400	68,680
1898+0,000		18.464,142	4,441	24.026,141	10,000		245.040,942	133,510	356.636,568	123,610	9,900
1899+0,000		18.464,142	3,812	24.029,953	10,000		245.040,942	82,530	356.719,098	82,530	
1899+8,400		18.464,142	2,428	24.032,381	4,200		245.040,942	26,208	356.745,306	26,208	
1900+0,000		18.464,142	2,538	24.034,919	5,800		245.040,942	28,803	356.774,109	28,803	
1901+0,000	0,132	18.464,274	1,564	24.036,483	10,000	1,320	245.042,262	41,020	356.815,129	41,020	
1902+0,000	0,566	18.464,840	1,290	24.037,773	10,000	6,980	245.049,242	28,540	356.843,669	28,540	
1903+0,000		18.464,840	2,999	24.040,772	10,000	5,660	245.054,902	42,890	356.886,559	42,890	
1904+0,000	0,018	18.464,858	3,158	24.043,930	10,000	0,180	245.055,082	61,570	356.948,129	61,570	
1905+0,000	0,101	18.464,959	2,485	24.046,415	10,000	1,190	245.056,272	56,430	357.004,559	56,430	
1905+1,396	0,117	18.465,076	2,353	24.048,768	0,698	0,152	245.056,424	3,377	357.007,936	3,377	
1906+0,000		18.465,076	2,300	24.051,068	9,302	1,088	245.057,513	43,282	357.051,218	43,282	
1907+0,000	0,070	18.465,146	2,433	24.053,501	10,000	0,700	245.058,213	47,330	357.098,548	47,330	
1908+0,000		18.465,146	3,589	24.057,090	10,000	0,700	245.058,913	60,220	357.158,768	60,220	
1908+12,884		18.465,146	4,968	24.062,058	6,442		245.058,913	55,124	357.213,892	55,124	
1909+0,000		18.465,146	7,357	24.069,415	3,558		245.058,913	43,852	357.257,745	43,852	
1910+0,000		18.465,146	7,883	24.077,298	10,000		245.058,913	152,400	357.410,145	152,400	
1911+0,000		18.465,146	8,185	24.085,483	10,000		245.058,913	160,680	357.570,825	158,030	2,650
1911+0,019		18.465,146	8,186	24.093,669	0,010		245.058,913	0,156	357.570,980	0,150	0,006
1912+0,000		18.465,146	5,008	24.098,677	9,991		245.058,913	131,815	357.702,795	129,157	2,658
1912+4,373		18.465,146	4,901	24.103,578	2,187		245.058,913	21,666	357.724,461	21,666	
1913+0,000		18.465,146	5,845	24.109,423	7,814		245.058,913	83,964	357.808,425	83,964	
1914+0,000		18.465,146	5,905	24.115,328	10,000		245.058,913	117,500	357.925,925	117,500	



Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1915+0,000		18.465,146	3,270	24.118,598	10,000		245.058,913	91,750	358.017,675	91,750	
1916+0,000		18.465,146	5,577	24.124,175	10,000		245.058,913	88,470	358.106,145	88,470	
1917+0,000		18.465,146	2,949	24.127,124	10,000		245.058,913	85,260	358.191,405	85,260	
1917+0,019		18.465,146	2,945	24.130,069	0,010		245.058,913	0,056	358.191,461	0,056	
1918+0,000		18.465,146	3,024	24.133,093	9,991		245.058,913	59,633	358.251,094	59,633	
1919+0,000		18.465,146	3,450	24.136,543	10,000		245.058,913	64,740	358.315,834	64,740	
1920+0,000		18.465,146	5,941	24.142,484	10,000		245.058,913	93,910	358.409,744	93,910	
1921+0,000		18.465,146	6,219	24.148,703	10,000		245.058,913	121,600	358.531,344	121,600	
1921+8,132		18.465,146	6,124	24.154,827	4,066		245.058,913	50,187	358.581,531	50,187	
1922+0,000		18.465,146	6,557	24.161,384	5,934		245.058,913	75,249	358.656,780	75,249	
1923+0,000		18.465,146	7,610	24.168,994	10,000		245.058,913	141,670	358.798,450	141,670	
1924+0,000		18.465,146	6,443	24.175,437	10,000		245.058,913	140,530	358.938,980	140,530	
1925+0,000		18.465,146	5,119	24.180,556	10,000		245.058,913	115,620	359.054,600	115,620	
1926+0,000		18.465,146	4,564	24.185,120	10,000		245.058,913	96,830	359.151,430	96,830	
1927+0,000		18.465,146	2,964	24.188,084	10,000		245.058,913	75,280	359.226,710	75,280	
1928+0,000		18.465,146	4,415	24.192,499	10,000		245.058,913	73,790	359.300,500	73,790	
1929+0,000		18.465,146	3,743	24.196,242	10,000		245.058,913	81,580	359.382,080	81,580	
1929+15,761		18.465,146	4,410	24.200,652	7,881		245.058,913	64,250	359.446,329	64,250	
1930+0,000		18.465,146	4,449	24.205,101	2,120		245.058,913	18,777	359.465,106	18,777	
1931+0,000		18.465,146	3,846	24.208,947	10,000		245.058,913	82,950	359.548,056	82,950	
1931+8,132		18.465,146	3,305	24.212,252	4,066		245.058,913	29,076	359.577,132	29,076	
1932+0,000	0,005	18.465,151	2,855	24.215,107	5,934	0,030	245.058,942	36,553	359.613,686	36,553	
1933+0,000	0,045	18.465,196	2,849	24.217,956	10,000	0,500	245.059,442	57,040	359.670,726	57,040	
1934+0,000	0,533	18.465,729	2,958	24.220,914	10,000	5,780	245.065,222	58,070	359.728,796	58,070	
1935+0,000	0,116	18.465,845	3,638	24.224,552	10,000	6,490	245.071,712	65,960	359.794,756	65,960	
1936+0,000	0,016	18.465,861	4,484	24.229,036	10,000	1,320	245.073,032	81,220	359.875,976	81,220	
1937+0,000	0,009	18.465,870	4,769	24.233,805	10,000	0,250	245.073,282	92,530	359.968,506	92,530	
1938+0,000		18.465,870	4,558	24.238,363	10,000	0,090	245.073,372	93,270	360.061,776	93,270	
1939+0,000		18.465,870	5,338	24.243,701	10,000		245.073,372	98,960	360.160,736	98,960	
1940+0,000		18.465,870	5,376	24.249,077	10,000		245.073,372	107,140	360.267,876	107,140	
1941+0,000		18.465,870	5,073	24.254,150	10,000		245.073,372	104,490	360.372,366	104,490	
1942+0,000		18.465,870	5,158	24.259,308	10,000		245.073,372	102,310	360.474,676	102,310	
1943+0,000		18.465,870	4,785	24.264,093	10,000		245.073,372	99,430	360.574,106	99,430	
1944+0,000		18.465,870	5,032	24.269,125	10,000		245.073,372	98,170	360.672,276	98,170	
1945+0,000		18.465,870	4,683	24.273,808	10,000		245.073,372	97,150	360.769,426	97,150	
1946+0,000		18.465,870	4,188	24.277,996	10,000		245.073,372	88,710	360.858,136	88,710	
1947+0,000		18.465,870	4,070	24.282,066	10,000		245.073,372	82,580	360.940,716	82,580	
1948+0,000	0,030	18.465,900	4,211	24.286,277	10,000	0,300	245.073,672	82,810	361.023,526	82,810	
1949+0,000	0,001	18.465,901	3,575	24.289,852	10,000	0,310	245.073,982	77,860	361.101,386	77,860	
1950+0,000		18.465,901	3,472	24.293,324	10,000	0,010	245.073,992	70,470	361.171,856	70,470	
1951+0,000	0,034	18.465,935	2,989	24.296,313	10,000	0,340	245.074,332	64,610	361.236,466	64,610	
1952+0,000	0,461	18.466,396	2,598	24.298,911	10,000	4,950	245.079,282	55,870	361.292,336	55,870	
1953+0,000	0,150	18.466,546	2,623	24.301,534	10,000	6,110	245.085,392	52,210	361.344,546	52,210	
1954+0,000	0,150	18.466,696	3,156	24.304,690	10,000	3,000	245.088,392	57,790	361.402,336	57,790	
1955+0,000		18.466,696	2,272	24.306,962	10,000	1,500	245.089,892	54,280	361.456,616	54,280	
1956+0,000	0,061	18.466,757	2,990	24.309,952	10,000	0,610	245.090,502	52,620	361.509,236	52,620	
1957+0,000	0,042	18.466,799	3,114	24.313,066	10,000	1,030	245.091,532	61,040	361.570,276	61,040	
1958+0,000	0,045	18.466,844	4,347	24.317,413	10,000	0,870	245.092,402	74,610	361.644,886	74,610	
1958+0,202	0,046	18.466,890	4,346	24.321,759	0,101	0,009	245.092,411	0,878	361.645,764	0,878	
1959+0,000	0,079	18.466,969	4,069	24.325,828	9,899	1,237	245.093,649	83,300	361.729,064	83,300	
1960+0,000		18.466,969	3,323	24.329,151	10,000	0,790	245.094,439	73,920	361.802,984	73,920	
1961+0,000	0,009	18.466,978	5,268	24.334,419	10,000	0,090	245.094,529	85,910	361.888,894	85,910	
1962+0,000	0,087	18.467,065	5,289	24.339,708	10,000	0,960	245.095,489	105,570	361.994,464	105,570	
1963+0,000		18.467,065	4,893	24.344,601	10,000	0,870	245.096,359	101,820	362.096,284	101,820	
1964+0,000		18.467,065	4,524	24.349,125	10,000		245.096,359	94,170	362.190,454	94,170	
1965+0,000		18.467,065	5,390	24.354,515	10,000		245.096,359	99,140	362.289,594	99,140	
1966+0,000		18.467,065	5,472	24.359,987	10,000		245.096,359	108,620	362.398,214	108,620	
1967+0,000		18.467,065	5,987	24.365,974	10,000		245.096,359	114,590	362.512,804	114,590	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
1968+0,000		18.467,065	5,986	24.371,960	10,000		245.096,359	119,730	362.632,534	119,730	
1969+0,000		18.467,065	6,053	24.378,013	10,000		245.096,359	120,390	362.752,924	120,390	
1970+0,000		18.467,065	5,646	24.383,659	10,000		245.096,359	116,990	362.869,914	116,990	
1971+0,000	0,006	18.467,071	3,521	24.387,180	10,000	0,060	245.096,419	91,670	362.961,584	91,670	
1972+0,000		18.467,071	5,713	24.392,893	10,000	0,060	245.096,479	92,340	363.053,924	92,340	
1973+0,000	0,112	18.467,183	4,407	24.397,300	10,000	1,120	245.097,599	101,200	363.155,124	101,200	
1974+0,000	0,063	18.467,246	4,034	24.401,334	10,000	1,750	245.099,349	84,410	363.239,534	84,410	
1975+0,000	0,039	18.467,285	3,236	24.404,570	10,000	1,020	245.100,369	72,700	363.312,234	72,700	
1976+0,000	0,159	18.467,444	2,913	24.407,483	10,000	1,980	245.102,349	61,490	363.373,724	61,490	
1977+0,000	0,733	18.468,177	2,389	24.409,872	10,000	8,920	245.111,269	53,020	363.426,744	53,020	
1978+0,000	0,239	18.468,416	2,266	24.412,138	10,000	9,720	245.120,989	46,550	363.473,294	46,550	
1978+0,202	0,237	18.468,653	2,276	24.414,414	0,101	0,048	245.121,037	0,459	363.473,752	0,459	
1979+0,000	0,167	18.468,820	3,633	24.418,047	9,899	3,999	245.125,036	58,493	363.532,246	58,493	
1980+0,000	0,536	18.469,356	4,099	24.422,146	10,000	7,030	245.132,066	77,320	363.609,566	77,320	
1981+0,000	0,333	18.469,689	4,718	24.426,864	10,000	8,690	245.140,756	88,170	363.697,736	88,170	
1982+0,000	0,138	18.469,827	5,584	24.432,448	10,000	4,710	245.145,466	103,020	363.800,756	103,020	
1983+0,000	0,112	18.469,939	4,126	24.436,574	10,000	2,500	245.147,966	97,100	363.897,856	97,100	
1984+0,000	0,073	18.470,012	4,434	24.441,008	10,000	1,850	245.149,816	85,600	363.983,456	85,600	
1985+0,000	0,283	18.470,295	3,575	24.444,583	10,000	3,560	245.153,376	80,090	364.063,546	80,090	
1986+0,000	0,046	18.470,341	6,536	24.451,119	10,000	3,290	245.156,666	101,110	364.164,656	101,110	
1987+0,000	0,108	18.470,449	5,891	24.457,010	10,000	1,540	245.158,206	124,270	364.288,926	124,270	
1988+0,000	0,107	18.470,556	4,582	24.461,592	10,000	2,150	245.160,356	104,730	364.393,656	104,730	
1989+0,000	0,041	18.470,597	6,606	24.468,198	10,000	1,480	245.161,836	111,880	364.505,536	111,880	
1990+0,000	0,026	18.470,623	7,076	24.475,274	10,000	0,670	245.162,506	136,820	364.642,356	136,820	
1991+0,000	0,054	18.470,677	7,275	24.482,549	10,000	0,800	245.163,306	143,510	364.785,866	143,510	
1992+0,000	0,164	18.470,841	4,444	24.486,993	10,000	2,180	245.165,486	117,190	364.903,056	117,190	
1993+0,000	0,123	18.470,964	5,258	24.492,251	10,000	2,870	245.168,356	97,020	365.000,076	97,020	
1994+0,000	0,177	18.471,141	4,460	24.496,711	10,000	3,000	245.171,356	97,180	365.097,256	97,180	
1995+0,000	0,096	18.471,237	3,155	24.499,866	10,000	2,730	245.174,086	76,150	365.173,406	76,150	
1996+0,000	0,063	18.471,300	4,047	24.503,913	10,000	1,590	245.175,676	72,020	365.245,426	72,020	
1997+0,000	0,003	18.471,303	5,034	24.508,947	10,000	0,660	245.176,336	90,810	365.336,236	90,810	
1998+0,000	0,132	18.471,435	4,360	24.513,307	10,000	1,350	245.177,686	93,940	365.430,176	93,940	
1999+0,000	0,107	18.471,542	4,256	24.517,563	10,000	2,390	245.180,076	86,160	365.516,336	86,160	
2000+0,000	0,002	18.471,544	5,384	24.522,947	10,000	1,090	245.181,166	96,400	365.612,736	96,400	
2001+0,000	0,372	18.471,916	4,102	24.527,049	10,000	3,740	245.184,906	94,860	365.707,596	94,860	
2002+0,000	0,399	18.472,315	4,685	24.531,734	10,000	7,710	245.192,616	87,870	365.795,466	87,870	
2003+0,000	0,104	18.472,419	5,475	24.537,209	10,000	5,030	245.197,646	101,600	365.897,066	101,600	
2004+0,000	0,482	18.472,901	5,344	24.542,553	10,000	5,860	245.203,506	108,190	366.005,256	108,190	
2005+0,000	0,435	18.473,336	5,220	24.547,773	10,000	9,170	245.212,676	105,640	366.110,896	105,640	
2006+0,000	0,184	18.473,520	5,076	24.552,849	10,000	6,190	245.218,866	102,960	366.213,856	102,960	
2007+0,000	0,004	18.473,524	5,149	24.557,998	10,000	1,880	245.220,746	102,250	366.316,106	102,250	
2008+0,000	0,018	18.473,542	5,220	24.563,218	10,000	0,220	245.220,966	103,690	366.419,796	103,690	
2009+0,000	0,385	18.473,927	4,543	24.567,761	10,000	4,030	245.224,996	97,630	366.517,426	97,630	
2010+0,000	0,292	18.474,219	4,792	24.572,553	10,000	6,770	245.231,766	93,350	366.610,776	93,350	
2011+0,000	0,107	18.474,326	4,633	24.577,186	10,000	3,990	245.235,756	94,250	366.705,026	94,250	
2012+0,000	0,423	18.474,749	3,666	24.580,852	10,000	5,300	245.241,056	82,990	366.788,016	82,990	
2013+0,000	0,309	18.475,058	3,717	24.584,569	10,000	7,320	245.248,376	73,830	366.861,846	73,830	
2014+0,000	1,450	18.476,508	1,797	24.586,366	10,000	17,590	245.265,966	55,140	366.916,986	55,140	
2014+16,492	0,449	18.476,957	1,414	24.587,780	8,246	15,659	245.281,625	26,478	366.943,463	26,478	
2015+0,000	0,222	18.477,179	1,436	24.589,216	1,754	1,177	245.282,802	4,999	366.948,462	4,999	
2015+8,492	1,102	18.478,281	1,426	24.590,642	4,246	5,622	245.288,424	12,152	366.960,614	12,152	
2016+0,000	1,616	18.479,897	1,694	24.592,336	5,754	15,639	245.304,063	17,952	366.978,567	17,952	
2016+6,492	0,009	18.479,906	2,521	24.594,857	3,246	5,275	245.309,338	13,682	366.992,249	13,682	
2017+0,000		18.479,906	4,454	24.599,311	6,754	0,061	245.309,399	47,109	367.039,358	47,109	
2017+4,492		18.479,906	5,369	24.604,680	2,246		245.309,399	22,062	367.061,420	22,062	
2017+16,492	0,025	18.479,931	7,468	24.612,148	6,000	0,150	245.309,549	77,022	367.138,442	77,022	
2018+0,000	0,024	18.479,955	7,513	24.619,661	1,754	0,086	245.309,635	26,277	367.164,719	26,277	
2019+0,000		18.479,955	9,462	24.629,123	10,000	0,240	245.309,875	169,750	367.334,469	154,330	15,420

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
2020+0,000		18.479,955	10,883	24.640,006	10,000		245.309,875	203,450	367.537,919	158,400	45,050
2021+0,000		18.479,955	11,644	24.651,650	10,000		245.309,875	225,270	367.763,189	158,400	66,870
2021+13,059		18.479,955	11,398	24.663,048	6,530		245.309,875	150,453	367.913,642	103,427	47,026
2022+0,000		18.479,955	10,854	24.673,902	3,471		245.309,875	77,226	367.990,867	54,973	22,253
2023+0,000		18.479,955	13,824	24.687,726	10,000		245.309,875	246,780	368.237,647	158,400	88,380
2024+0,000		18.479,955	19,194	24.706,920	10,000		245.309,875	330,180	368.567,827	158,400	171,780
2024+8,550		18.479,955	20,887	24.727,807	4,275		245.309,875	171,346	368.739,174	67,716	103,630
2025+0,000		18.479,955	23,807	24.751,614	5,725		245.309,875	255,873	368.995,047	90,684	165,189
2025+9,627		18.479,955	24,961	24.776,575	4,814		245.309,875	234,745	369.229,792	76,246	158,499
2026+0,000		18.479,955	27,505	24.804,080	5,187		245.309,875	272,115	369.501,906	82,154	189,961
2026+1,627		18.479,955	27,902	24.831,982	0,814		245.309,875	45,074	369.546,980	12,886	32,188
2026+19,627		18.479,955	32,078	24.864,060	9,000		245.309,875	539,820	370.086,800	142,560	397,260
2027+0,000		18.479,955	32,212	24.896,272	0,187		245.309,875	11,990	370.098,790	2,954	9,036
2027+17,627		18.479,955	38,999	24.935,271	8,814		245.309,875	627,618	370.726,408	139,606	488,012
2028+0,000		18.479,955	40,205	24.975,476	1,187		245.309,875	93,976	370.820,384	18,794	75,182
2028+9,627		18.479,955	43,527	25.019,003	4,814		245.309,875	403,044	371.223,428	76,246	326,798
2029+0,000		18.479,955	46,170	25.065,173	5,187		245.309,875	465,213	371.688,641	82,154	383,059
2029+8,550		18.479,955	50,571	25.115,744	4,275		245.309,875	413,568	372.102,209	67,716	345,852
2030+0,000		18.479,955	57,056	25.172,800	5,725		245.309,875	616,165	372.718,374	90,684	525,481
2030+18,550		18.479,955	79,630	25.252,430	9,275		245.309,875	1.267,763	373.986,136	146,916	1.120,847
PONTE SOBRE O RIO BRANCO											
2035+8,550		18.479,955	61,788	25.314,218			245.309,875		373.986,136		
2036+0,000		18.479,955	54,406	25.368,624	5,725		245.309,875	665,211	374.651,347	90,684	574,527
2036+12,633		18.479,955	44,673	25.413,297	6,317		245.309,875	625,833	375.277,179	100,053	525,780
2036+18,820		18.479,955	40,611	25.453,908	2,094		245.309,875	178,585	375.455,764	33,161	145,424
2036+18,550		18.479,955	39,269	25.493,177	0,865		245.309,875	69,096	375.524,860	13,702	55,394
2037+0,000		18.479,955	38,248	25.531,425	0,725		245.309,875	56,200	375.581,060	11,484	44,716
2037+14,633		18.479,955	32,366	25.563,791	7,317		245.309,875	516,647	376.097,708	115,893	400,754
2038+0,000		18.479,955	29,657	25.593,448	2,684		245.309,875	166,439	376.264,146	42,507	123,932
2038+12,445		18.479,955	24,294	25.617,742	6,223		245.309,875	335,710	376.599,856	98,564	237,146
2039+0,000		18.479,955	21,606	25.639,348	3,778		245.309,875	173,387	376.773,244	59,836	113,551
2039+12,633		18.479,955	17,668	25.657,016	6,317		245.309,875	248,074	377.021,318	100,053	148,021
2040+0,000		18.479,955	15,158	25.672,174	3,684		245.309,875	120,915	377.142,232	58,347	62,568
2041+0,000		18.479,955	11,154	25.683,328	10,000		245.309,875	263,120	377.405,352	158,400	104,720
2041+1,611		18.479,955	11,114	25.694,442	0,806		245.309,875	17,937	377.423,289	12,759	5,178
2042+0,000		18.479,955	11,500	25.705,942	9,195		245.309,875	207,924	377.631,214	145,641	62,283
2042+10,590		18.479,955	11,833	25.717,775	5,295		245.309,875	123,548	377.754,762	83,873	39,675
2043+0,000		18.479,955	11,761	25.729,536	4,705		245.309,875	111,010	377.865,772	74,527	36,483
2043+10,778		18.479,955	12,765	25.742,301	5,389		245.309,875	132,171	377.997,942	85,362	46,809
2044+0,000		18.479,955	13,288	25.755,589	4,611		245.309,875	120,130	378.118,073	73,038	47,092
2044+8,590		18.479,955	13,722	25.769,311	4,295		245.309,875	116,008	378.234,081	68,033	47,975
2045+0,000		18.479,955	13,175	25.782,486	5,705		245.309,875	153,447	378.387,528	90,367	63,080
2045+6,403		18.479,955	13,466	25.795,952	3,202		245.309,875	85,291	378.472,819	50,712	34,579
2045+10,590		18.479,955	14,092	25.810,044	2,094		245.309,875	57,706	378.530,526	33,161	24,545
2046+0,000		18.479,955	13,799	25.823,843	4,705		245.309,875	131,227	378.661,753	74,527	56,700
2047+0,000		18.479,955	12,640	25.836,483	10,000		245.309,875	264,390	378.926,143	158,400	105,990
2047+15,002		18.479,955	11,205	25.847,688	7,501		245.309,875	178,861	379.105,004	118,816	60,045
2048+0,000		18.479,955	11,692	25.859,380	2,499		245.309,875	57,220	379.162,224	39,584	17,636
2048+7,002		18.479,955	12,609	25.871,989	3,501		245.309,875	85,078	379.247,302	55,456	29,622
2048+11,802		18.479,955	13,166	25.885,155	2,400		245.309,875	61,860	379.309,162	38,016	23,844
2048+18,550		18.479,955	12,571	25.897,726	3,374		245.309,875	86,837	379.395,998	53,444	33,393
2048+19,002		18.479,955	12,557	25.910,283	0,226		245.309,875	5,679	379.401,677	3,580	2,099
2049+0,000		18.479,955	12,478	25.922,761	0,499		245.309,875	12,492	379.414,170	7,904	4,588
2050+0,000		18.479,955	10,348	25.933,109	10,000		245.309,875	228,260	379.642,430	158,400	69,860
2051+0,000		18.479,955	10,429	25.943,538	10,000		245.309,875	207,770	379.850,200	158,400	49,370
2051+16,027		18.479,955	9,176	25.952,714	8,014		245.309,875	157,105	380.007,304	126,934	30,171
2052+0,000		18.479,955	8,357	25.961,071	1,987		245.309,875	34,829	380.042,134	31,466	3,363
2053+0,000		18.479,955	7,349	25.968,420	10,000		245.309,875	157,060	380.199,194	152,690	4,370

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m²)	Á. C. Acum. (m²)	Á. Aterro (m²)	Á. A. Acum. (m²)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
2054+0,000		18.479,955	9,016	25.977,436	10,000		245.309,875	163,650	380.362,844	152,690	10,960
2054+13,052		18.479,955	9,234	25.986,670	6,526		245.309,875	119,100	380.481,943	103,372	15,728
2055+0,000		18.479,955	9,077	25.995,747	3,474		245.309,875	63,612	380.545,555	55,028	8,584
2055+0,252		18.479,955	9,071	26.004,818	0,126		245.309,875	2,287	380.547,842	1,996	0,291
2055+5,052		18.479,955	8,206	26.013,024	2,400		245.309,875	41,465	380.589,307	38,016	3,449
2055+17,052		18.479,955	8,006	26.021,030	6,000		245.309,875	97,272	380.686,579	95,040	2,232
2056+0,000		18.479,955	8,079	26.029,109	1,474		245.309,875	23,709	380.710,288	23,348	0,361
2057+0,000		18.479,955	5,473	26.034,582	10,000		245.309,875	135,520	380.845,808	133,930	1,590
2058+0,000		18.479,955	4,778	26.039,360	10,000		245.309,875	102,510	380.948,318	102,510	
2059+0,000		18.479,955	6,035	26.045,395	10,000		245.309,875	108,130	381.056,448	108,130	
2060+0,000		18.479,955	6,262	26.051,657	10,000		245.309,875	122,970	381.179,418	122,970	
2060+1,200		18.479,955	6,229	26.057,886	0,600		245.309,875	7,495	381.186,913	7,495	
2061+0,000		18.479,955	5,963	26.063,849	9,400		245.309,875	114,605	381.301,518	114,605	
2062+0,000		18.479,955	7,512	26.071,361	10,000		245.309,875	134,750	381.436,268	134,750	
2063+0,000		18.479,955	6,369	26.077,730	10,000		245.309,875	138,810	381.575,078	138,810	
2064+0,000		18.479,955	6,909	26.084,639	10,000		245.309,875	132,780	381.707,858	132,780	
2065+0,000		18.479,955	7,831	26.092,470	10,000		245.309,875	147,400	381.855,258	147,400	
2066+0,000		18.479,955	5,703	26.098,173	10,000		245.309,875	135,340	381.990,598	135,340	
2067+0,000		18.479,955	6,480	26.104,653	10,000		245.309,875	121,830	382.112,428	121,830	
2068+0,000		18.479,955	5,704	26.110,357	10,000		245.309,875	121,840	382.234,268	121,840	
2068+1,200		18.479,955	5,421	26.115,778	0,600		245.309,875	6,675	382.240,943	6,675	
2069+0,000		18.479,955	3,343	26.119,121	9,400		245.309,875	82,382	382.323,324	82,382	
2070+0,000	0,046	18.480,001	1,960	26.121,081	10,000	0,460	245.310,335	53,030	382.376,354	53,030	
2071+0,000	0,254	18.480,255	1,707	26.122,788	10,000	3,000	245.313,335	36,670	382.413,024	36,670	
2072+0,000		18.480,255	3,504	26.126,292	10,000	2,540	245.315,875	52,110	382.465,134	52,110	
2073+0,000	0,115	18.480,370	3,146	26.129,438	10,000	1,150	245.317,025	66,500	382.531,634	66,500	
2074+0,000		18.480,370	4,655	26.134,093	10,000	1,150	245.318,175	78,010	382.609,644	78,010	
2075+0,000		18.480,370	6,609	26.140,702	10,000		245.318,175	112,640	382.722,284	112,640	
2076+0,000		18.480,370	8,642	26.149,344	10,000		245.318,175	152,510	382.874,794	145,290	7,220
2077+0,000		18.480,370	8,907	26.158,251	10,000		245.318,175	175,490	383.050,284	158,400	17,090
2077+18,186		18.480,370	9,679	26.167,930	9,093		245.318,175	169,002	383.219,287	144,033	24,969
2078+0,000		18.480,370	9,760	26.177,690	0,907		245.318,175	17,631	383.236,918	14,367	3,264
2079+0,000		18.480,370	10,256	26.187,946	10,000		245.318,175	200,160	383.437,078	158,400	41,760
2080+0,000		18.480,370	8,780	26.196,726	10,000		245.318,175	190,360	383.627,438	158,400	31,960
2081+0,000		18.480,370	6,946	26.203,672	10,000		245.318,175	157,260	383.784,698	148,660	8,600
2082+0,000		18.480,370	5,266	26.208,938	10,000		245.318,175	122,120	383.906,818	122,120	
2083+0,000		18.480,370	4,383	26.213,321	10,000		245.318,175	96,490	384.003,308	96,490	
2084+0,000		18.480,370	4,292	26.217,613	10,000		245.318,175	86,750	384.090,058	86,750	
2085+0,000		18.480,370	4,100	26.221,713	10,000		245.318,175	83,920	384.173,978	83,920	
2086+0,000	0,088	18.480,458	4,631	26.226,344	10,000	0,880	245.319,055	87,310	384.261,288	87,310	
2087+0,000	0,099	18.480,557	5,195	26.231,539	10,000	1,870	245.320,925	98,260	384.359,548	98,260	
2088+0,000	0,470	18.481,027	2,054	26.233,593	10,000	5,690	245.326,615	72,490	384.432,038	72,490	
2089+0,000	0,175	18.481,202	1,709	26.235,302	10,000	6,450	245.333,065	37,630	384.469,668	37,630	
2090+0,000	1,656	18.482,858	1,447	26.236,749	10,000	18,310	245.351,375	31,560	384.501,228	31,560	
2091+0,000	0,476	18.483,334	1,517	26.238,266	10,000	21,320	245.372,695	29,640	384.530,868	29,640	
2092+0,000	0,452	18.483,786	2,730	26.240,996	10,000	9,280	245.381,975	42,470	384.573,338	42,470	
2092+18,186	0,466	18.484,252	3,159	26.244,155	9,093	8,347	245.390,322	53,549	384.626,887	53,549	
2093+0,000	0,381	18.484,633	3,254	26.247,409	0,907	0,768	245.391,090	5,817	384.632,703	5,817	
2094+0,000	0,180	18.484,813	3,754	26.251,163	10,000	5,610	245.396,700	70,080	384.702,783	70,080	
2095+0,000	0,421	18.485,234	3,226	26.254,389	10,000	6,010	245.402,710	69,800	384.772,583	69,800	
2096+0,000	0,175	18.485,409	4,013	26.258,402	10,000	5,960	245.408,670	72,390	384.844,973	72,390	
2097+0,000	0,602	18.486,011	3,827	26.262,229	10,000	7,770	245.416,440	78,400	384.923,373	78,400	
2098+0,000	0,272	18.486,283	5,768	26.267,997	10,000	8,740	245.425,180	95,950	385.019,323	95,950	
2099+0,000	1,481	18.487,764	3,438	26.271,435	10,000	17,530	245.442,710	92,060	385.111,383	92,060	
2100+0,000	0,978	18.488,742	4,588	26.276,023	10,000	24,590	245.467,300	80,260	385.191,643	80,260	
2101+0,000	1,387	18.490,129	5,030	26.281,053	10,000	23,650	245.490,950	96,180	385.287,823	96,180	
2101+5,640	0,225	18.490,354	2,797	26.283,850	2,820	4,546	245.495,496	22,072	385.309,895	22,072	
2102+0,000	0,632	18.490,986	1,437	26.285,287	7,180	6,153	245.501,649	30,400	385.340,295	30,400	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
2103+0,000	2,039	18.493,025	0,909	26.286,196	10,000	26,710	245.528,359	23,460	385.363,755	23,460	
2104+0,000	0,336	18.493,361	1,903	26.288,099	10,000	23,750	245.552,109	28,120	385.391,875	28,120	
2105+0,000	0,019	18.493,380	2,486	26.290,585	10,000	3,550	245.555,659	43,890	385.435,765	43,890	
2106+0,000	0,050	18.493,430	3,575	26.294,160	10,000	0,690	245.556,349	60,610	385.496,375	60,610	
2107+0,000		18.493,430	4,601	26.298,761	10,000	0,500	245.556,849	81,760	385.578,135	81,760	
2108+0,000		18.493,430	6,183	26.304,944	10,000		245.556,849	107,840	385.685,975	107,840	
2109+0,000		18.493,430	7,020	26.311,964	10,000		245.556,849	132,030	385.818,005	132,030	
2110+0,000		18.493,430	5,595	26.317,559	10,000		245.556,849	126,150	385.944,155	126,150	
2111+0,000		18.493,430	6,440	26.323,999	10,000		245.556,849	120,350	386.064,505	120,350	
2112+0,000		18.493,430	6,318	26.330,317	10,000		245.556,849	127,580	386.192,085	127,580	
2113+0,000		18.493,430	6,341	26.336,658	10,000		245.556,849	126,590	386.318,675	126,590	
2114+0,000		18.493,430	5,803	26.342,461	10,000		245.556,849	121,440	386.440,115	121,440	
2114+5,640	0,013	18.493,443	5,760	26.348,221	2,820	0,037	245.556,886	32,608	386.472,723	32,608	
2115+0,000	0,095	18.493,538	3,250	26.351,471	7,180	0,775	245.557,661	64,692	386.537,415	64,692	
2116+0,000	0,191	18.493,729	1,320	26.352,791	10,000	2,860	245.560,521	45,700	386.583,115	45,700	
2117+0,000	2,256	18.495,985	0,360	26.353,151	10,000	24,470	245.584,991	16,800	386.599,915	16,800	
2118+0,000	1,357	18.497,342	0,044	26.353,195	10,000	36,130	245.621,121	4,040	386.603,955	4,040	
2119+0,000	4,396	18.501,738		26.353,195	10,000	57,530	245.678,651	0,440	386.604,395	0,440	
2120+0,000	5,242	18.506,980		26.353,195	10,000	96,380	245.775,031		386.604,395		
2121+0,000	4,899	18.511,879		26.353,195	10,000	101,410	245.876,441		386.604,395		
2122+0,000	5,053	18.516,932		26.353,195	10,000	99,520	245.975,961		386.604,395		
2123+0,000	5,415	18.522,347		26.353,195	10,000	104,680	246.080,641		386.604,395		
2124+0,000	5,499	18.527,846		26.353,195	10,000	109,140	246.189,781		386.604,395		
2125+0,000	5,641	18.533,487		26.353,195	10,000	111,400	246.301,181		386.604,395		
2126+0,000	5,199	18.538,686		26.353,195	10,000	108,400	246.409,581		386.604,395		
2127+0,000	5,731	18.544,417		26.353,195	10,000	109,300	246.518,881		386.604,395		
2128+0,000	6,664	18.551,081		26.353,195	10,000	123,950	246.642,831		386.604,395		
2128+6,918	6,676	18.557,757		26.353,195	3,459	46,143	246.688,975		386.604,395		
2128+15,000	7,816	18.565,573		26.353,195	4,041	58,562	246.747,537		386.604,395		
2129+0,000	10,706	18.576,279		26.353,195	2,500	46,305	246.793,842		386.604,395		
2129+5,000	18,218	18.594,497		26.353,195	2,500	72,310	246.866,152		386.604,395		
2129+10,000	30,540	18.625,037		26.353,195	2,500	121,895	246.988,047		386.604,395		
2129+17,551											
Sobreposição com a MT-170 (alargamento da pista pavimentada)											
ACESSO ENTR. MT-339.248 / MT-170 (ALARGAMENTO DA PISTA PAVIMENTADA)											
0+0,000	0,892	18.625,929	0,088	26.353,283			246.988,047		386.604,395		
0+9,971	0,845	18.626,774	0,117	26.353,400	4,986	8,660	246.996,707	1,022	386.605,417	1,022	
1+0,000	1,046	18.627,820	0,148	26.353,548	5,015	9,482	247.006,189	1,329	386.606,746	1,329	
1+1,437	1,068	18.628,888	0,153	26.353,701	0,719	1,519	247.007,708	0,216	386.606,962	0,216	
2+0,000	1,483	18.630,371	0,332	26.354,033	9,282	23,677	247.031,385	4,502	386.611,464	4,502	
2+1,188	1,485	18.631,856	0,370	26.354,403	0,594	1,763	247.033,148	0,417	386.611,880	0,417	
3+0,000	2,244	18.634,100	0,507	26.354,910	9,406	35,075	247.068,223	8,249	386.620,130	8,249	
3+19,971	4,157	18.638,257		26.354,910	9,986	63,917	247.132,140	5,063	386.625,192	5,063	
4+0,000	4,160	18.642,417		26.354,910	0,015	0,121	247.132,261		386.625,192		
4+11,442	5,731	18.648,148		26.354,910	5,721	56,586	247.188,847		386.625,192		
5+0,000	5,367	18.653,515		26.354,910	4,279	47,488	247.236,335		386.625,192		
6+0,000	3,751	18.657,266	0,109	26.355,019	10,000	91,180	247.327,515	1,090	386.626,282	1,090	
6+11,471	4,141	18.661,407	0,132	26.355,151	5,736	45,265	247.372,780	1,382	386.627,664	1,382	
7+0,000	5,362	18.666,769	0,153	26.355,304	4,265	40,526	247.413,306	1,215	386.628,880	1,215	
8+0,000	6,277	18.673,046	0,048	26.355,352	5,000	58,195	247.471,501	1,005	386.629,885	1,005	
8+0,000	7,200	18.680,246		26.355,352	5,000	67,385	247.538,886	0,240	386.630,125	0,240	
8+1,188	7,321	18.687,567		26.355,352	0,594	8,625	247.547,511		386.630,125		
8+11,992	7,365	18.694,932	0,032	26.355,384	5,402	79,334	247.626,845	0,173	386.630,298	0,173	
9+0,000	6,688	18.701,620	0,118	26.355,502	4,004	56,268	247.683,113	0,601	386.630,898	0,601	
10+0,000	6,374	18.707,994	0,143	26.355,645	10,000	130,620	247.813,733	2,610	386.633,508	2,610	
10+12,021	5,983	18.713,977	0,254	26.355,899	6,011	74,272	247.888,005	2,386	386.635,894	2,386	
11+0,000	6,019	18.719,996	0,112	26.356,011	3,990	47,882	247.935,887	1,460	386.637,355	1,460	
12+0,000	4,520	18.724,516	0,217	26.356,228	10,000	105,390	248.041,277	3,290	386.640,645	3,290	
13+0,000	4,624	18.729,140		26.356,228	10,000	91,440	248.132,717	2,170	386.642,815	2,170	

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Cálculo de Volume por Comparação de Perfis: Terreno x Projeto

Estaca	Á. Corte (m³)	Á. C. Acum. (m³)	Á. Aterro (m³)	Á. A. Acum. (m³)	Semi-Dist. (m)	Vol. Corte (m³)	Vol. C.Acum. (m³)	Vol. Aterro (m³)	Vol. A.Acum. (m³)	100% PI	100% PN
13+2,343	4,549	18.733,689		26.356,228	1,172	10,746	248.143,463		386.642,815		
14+0,000	3,234	18.736,923		26.356,228	8,829	68,712	248.212,175		386.642,815		
14+2,021	3,054	18.739,977		26.356,228	1,011	6,354	248.218,529		386.642,815		
15+0,000	2,327	18.742,304		26.356,228	8,990	48,372	248.266,902		386.642,815		
16+0,000	1,678	18.743,982		26.356,228	10,000	40,050	248.306,952		386.642,815		
16+12,343	1,082	18.745,064		26.356,228	6,172	17,033	248.323,985		386.642,815		
17+0,000	0,898	18.745,962	0,124	26.356,352	3,829	7,580	248.331,565	0,475	386.643,289	0,475	
17+2,314	0,932	18.746,894	0,087	26.356,439	1,157	2,117	248.333,683	0,244	386.643,533	0,244	

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5.0 - NOTAS DE SERVIÇO DE TERRAPLENAGEM



SINFRACAP202623504A

Nota de Serviço de Terraplenagem																						
Rodovia : MT-339/248																						
Lado Esquerdo						Eixo				Lado Direito												
Offset		Banqueta			Bordo		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Proprio	Cota Termin	Cota Vermelha	Bordo			Banqueta			Offset			
Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Ind. (%)	Alst. (m)	Ind. (%)						Alst. (m)	Cota (m)	Ind. (%)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)		
Rodovia : MT-339/248																						
6.390	219.583	0.240			-3.00	6.150	219.343	0+0+000			219.822	-0.294	6.150	219.343	-3.00					6.796	219.590	0.647
6.499	220.097	0.349			-3.00	6.150	219.708	1+0+000			219.893	-0.671	6.150	219.708	-3.00					7.108	220.062	0.954
6.636	220.559	0.486			-3.00	6.150	220.073	2+0+000			220.238	-0.651	6.150	220.073	-3.00					7.226	221.150	1.077
6.649	220.937	0.499			-3.00	6.150	220.438	3+0+000			220.623	-0.769	6.150	220.438	-3.00					7.292	221.580	1.142
6.644	221.297	0.694			-3.00	6.150	220.803	4+0+000			220.988	-0.611	6.150	220.803	-3.00					7.206	221.859	1.056
6.533	221.551	0.383			-3.00	6.150	221.168	5+0+000			221.353	-0.625	6.150	221.168	-3.00					7.189	222.187	1.019
6.420	221.803	0.270			-3.00	6.150	221.533	6+0+000			221.718	-0.531	6.150	221.533	-3.00					6.977	222.560	0.727
6.278	222.026	0.128			-3.00	6.150	221.898	7+0+000			222.083	-0.463	6.150	221.898	-3.00					6.767	222.915	0.617
6.191	222.305	0.042			-3.00	6.150	222.263	8+0+000			222.448	-0.335	6.150	222.263	-3.00					6.649	223.762	0.499
6.300	222.528	-0.100			-3.00	6.150	222.628	9+0+000			222.813	-0.284	6.150	222.628	-3.00					6.357	222.816	0.208
6.342	222.865	-0.128			-3.00	6.150	222.993	10+0+000			223.178	-0.278	6.150	222.993	-3.00					6.409	223.533	0.260
6.418	223.179	-0.179			-3.00	6.150	223.358	11+0+000			223.543	-0.272	6.150	223.358	-3.00					6.431	223.839	0.281
6.193	223.766	0.043			-3.00	6.150	223.723	12+0+000			223.908	-0.333	6.150	223.723	-3.00					6.594	224.427	0.404
6.459	224.397	0.309			-3.00	6.150	224.088	13+0+000			224.273	-0.382	6.150	224.088	-3.00					6.555	224.943	0.405
6.443	224.746	0.293			-3.00	6.150	224.453	14+0+000			224.638	-0.407	6.150	224.453	-3.00					6.688	224.991	0.538
6.489	225.137	0.339			-3.00	6.150	224.798	14+18.911	PCV		224.983	-0.558	6.150	224.798	-3.00					6.540	225.208	0.410
6.499	225.167	0.349			-3.00	6.150	224.818	15+0+000			225.022	-0.562	6.150	224.818	-3.00					6.558	225.216	0.408
6.676	225.664	0.526			-3.00	6.150	225.138	16+0+000			225.323	-0.615	6.150	225.138	-3.00					6.657	225.642	0.508
6.779	226.007	0.628			-3.00	6.150	225.379	17+0+000			225.563	-0.678	6.150	225.379	-3.00					6.813	226.042	0.663
6.772	226.160	0.621			-3.00	6.150	225.539	18+0+000			225.723	-0.780	6.150	225.539	-3.00					6.884	226.443	0.704
6.685	226.154	0.536			-3.00	6.150	225.618	19+0+000			225.803	-0.833	6.150	225.618	-3.00					6.938	226.406	0.788
6.925	226.403	0.775			-3.00	6.150	225.628	19+9.833			225.812	-0.848	6.150	225.628	-3.00					6.830	226.308	0.960
6.988	226.455	0.838			-3.00	6.150	225.617	20+0+000			225.802	-0.737	6.150	225.617	-3.00					6.740	226.207	0.930
6.706	226.093	0.556			-3.00	6.150	225.537	21+0+000			225.721	-0.413	6.150	225.537	-3.00					6.595	225.981	0.444
6.226	225.324	-0.051			-3.00	6.150	225.375	22+0+000			225.560	-0.187	6.150	225.375	-3.00					6.494	225.664	0.289
6.336	225.320	0.186			-3.00	6.150	225.134	23+0+000			225.318	-0.035	6.150	225.134	-3.00					6.205	225.189	0.055
6.216	224.897	0.065			-3.00	6.150	224.832	23+18.911	PTV		225.016	0.004	6.150	224.832	-3.00					6.334	224.996	0.164
6.217	224.839	0.067			-3.00	6.150	224.812	24+0+000			224.997	0.002	6.150	224.812	-3.00					6.330	224.972	0.160
6.163	224.445	-0.009			-3.00	6.150	224.454	25+0+000			224.639	0.000	6.150	224.454	-3.00					6.320	224.555	0.101
6.238	224.025	-0.072			-3.00	6.150	224.097	26+0+000			224.281	0.076	6.150	224.097	-3.00					6.189	224.116	0.039
6.219	223.808	0.069			-3.00	6.150	223.739	27+0+000			223.924	0.101	6.150	223.739	-3.00					6.237	223.826	0.087
6.553	223.772	-0.289			-3.00	6.150	223.541	27+11.102	PCV		223.725	0.065	6.150	223.541	-3.00					6.316	223.430	-0.111
6.213	223.441	0.064			-3.00	6.150	223.377	28+0+000			223.562	0.046	6.150	223.377	-3.00					6.600	223.827	0.450
6.396	223.223	0.246			-3.00	6.150	223.977	29+0+000			223.162	0.020	6.150	223.977	-3.00					6.821	223.648	0.971
6.443	222.825	0.293			-3.00	6.150	222.532	30+0+000			222.716	-0.003	6.150	222.532	-3.00					6.507	222.999	0.467
6.193	222.292	0.043			-3.00	6.150	222.249	30+11.750	PC		222.434	-0.086	6.150	222.249	-3.00					6.377	222.826	0.577
6.277	222.169	0.127			-3.00	6.150	222.042	31+0+000			222.226	-0.151	6.150	222.042	-3.00					6.305	222.543	0.600



Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Bordo					Lado Direito					Bordo				
Offset		Banqueta		Estaca	Pontos de Inflexão Horizontal	Pontos de Inflexão Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Banqueta		Estaca	Pontos de Inflexão Horizontal	Pontos de Inflexão Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Banqueta	
Alim. (m)	Altura (m)	Alim. (m)	Altura (m)							Alim. (m)	Altura (m)							Alim. (m)	Altura (m)
6.548	221.905	0.399		32+000			221.601	221.994	-0.393	6.150	221.506	-3.00			6.150	221.506	-3.00	6.150	221.506
6.621	221.629	0.471		32+12.82			221.948	221.810	-0.467	6.150	221.158	-3.00			6.150	221.158	-3.00	7.026	222.434
6.570	221.346	0.420		33+000			220.926	220.926	-0.566	6.150	220.926	-3.00			6.150	220.926	-3.00	6.918	221.694
6.769	220.920	0.619		34+000			220.485	221.279	-0.794	6.150	220.301	-3.00			6.150	220.301	-3.00	7.147	221.298
6.875	220.608	0.725		34+12.815			220.088	220.979	-0.911	6.150	219.883	-3.00			6.150	219.883	-3.00	7.053	220.786
6.918	220.398	0.768		35+000			219.815	220.716	-0.901	6.150	219.630	-3.00			6.150	219.630	-3.00	7.006	220.486
6.537	219.302	0.387		36+000			218.099	219.700	-0.601	6.150	218.935	-3.00			6.150	218.935	-3.00	7.277	220.042
6.344	218.948	0.194		37+000			218.339	218.640	-0.301	6.150	218.154	-3.00			6.150	218.154	-3.00	7.085	219.090
6.340	217.902	0.189		37+11.02			217.897	218.203	-0.306	6.150	217.713	-3.00			6.150	217.713	-3.00	6.746	218.308
6.345	217.548	0.195		38+000			217.538	217.939	-0.391	6.150	217.353	-3.00			6.150	217.353	-3.00	6.835	218.039
6.356	216.408	-0.137		39+000			216.730	216.986	-0.256	6.150	216.545	-3.00			6.150	216.545	-3.00	6.372	216.767
6.476	215.520	-0.217		40+000			215.922	215.719	0.203	6.150	215.737	-3.00			6.150	215.737	-3.00	6.442	215.563
6.932	214.408	-0.521		41+000			215.114	214.512	0.602	6.150	214.929	-3.00			6.150	214.929	-3.00	6.382	214.768
7.428	213.269	-0.852		42+000			214.306	214.121	-3.00	6.150	214.121	-3.00			6.150	214.121	-3.00	7.354	213.318
7.607	212.914	-0.971		42+5.350			214.089	212.752	1.337	6.150	213.905	-3.00			6.150	213.905	-3.00	7.365	213.095
8.220	211.957	-1.380		43+000			213.522	211.712	1.810	6.150	213.337	-3.00			6.150	213.337	-3.00	7.581	212.383
9.634	210.317	-2.323		44+000			212.824	210.400	2.424	6.150	212.640	-3.00			6.150	212.640	-3.00	8.436	211.116
9.860	209.559	-2.478		45+000			212.217	209.553	2.664	6.150	212.032	-3.00			6.150	212.032	-3.00	8.720	210.319
9.384	209.358	-2.156		46+000			211.699	209.291	2.408	6.150	211.514	-3.00			6.150	211.514	-3.00	9.615	209.204
10.127	208.435	-2.651		47+000			211.271	209.015	2.256	6.150	211.086	-3.00			6.150	211.086	-3.00	9.375	208.936
9.932	208.227	-2.521		48+000			210.933	208.785	2.148	6.150	210.748	-3.00			6.150	210.748	-3.00	9.960	208.208
11.162	207.159	-3.341		49+000			210.684	208.537	2.147	6.150	210.500	-3.00			6.150	210.500	-3.00	10.705	207.463
11.140	207.014	-3.327		50+000			210.526	208.450	2.076	6.150	210.341	-3.00			6.150	210.341	-3.00	12.316	206.230
8.735	206.949	-1.723		51+000			210.497	208.520	1.937	6.150	210.272	-3.00			6.150	210.272	-3.00	9.930	208.952
8.623	206.620	-1.640		51+5.188			210.453	208.534	1.919	6.150	210.269	-3.00			6.150	210.269	-3.00	8.997	208.371
8.734	206.570	-1.723		52+000			210.478	208.771	1.707	6.150	210.293	-3.00			6.150	210.293	-3.00	8.548	208.695
8.633	206.659	-1.655		52+5.350			210.498	208.872	1.626	6.150	210.314	-3.00			6.150	210.314	-3.00	8.326	208.863
8.341	206.919	-1.461		53+000			210.564	209.969	1.495	6.150	210.380	-3.00			6.150	210.380	-3.00	8.195	209.016
7.976	206.252	-1.288		54+000			210.654	209.333	1.321	6.150	210.470	-3.00			6.150	210.470	-3.00	6.988	210.237
7.624	205.577	-0.962		55+000			210.744	209.766	0.978	6.150	210.559	-3.00			6.150	210.559	-3.00	6.778	210.141
6.998	210.084	-0.965		56+000			210.834	210.095	0.739	6.150	210.649	-3.00			6.150	210.649	-3.00	6.628	211.127
6.603	210.437	-0.302		57+000			210.924	210.452	0.472	6.150	210.739	-3.00			6.150	210.739	-3.00	6.972	211.561
6.195	210.874	0.045		58+000			211.013	211.006	0.007	6.150	210.829	-3.00			6.150	210.829	-3.00	7.358	212.037
6.920	211.689	0.770		59+000			211.103	211.529	-0.426	6.150	210.919	-3.00			6.150	210.919	-3.00	7.950	212.719
7.477	212.336	1.237		60+000			211.193	212.143	-0.950	6.150	211.009	-3.00			6.150	211.009	-3.00	8.302	213.160
8.250	213.199	2.101		61+000			211.283	212.727	-1.444	6.150	211.098	-3.00			6.150	211.098	-3.00	8.431	213.360
8.287	213.325	2.137		62+000			211.373	213.154	-1.781	6.150	211.188	-3.00			6.150	211.188	-3.00	8.333	213.371
8.173	213.301	2.023		63+000			211.463	213.406	-1.943	6.150	211.278	-3.00			6.150	211.278	-3.00	8.330	213.659



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Nota de Serviço de Terraplenagem																											
Lado Esquerdo												Lado Direto															
Banqueta												Banqueta															
Offet				Bordo				Estaca				Pontos Notáveis Horizontal				Pontos Notáveis Vertical				Cota Termin				Cota Vermelha			
Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Altura (m)	
8.376	213.993	2.225		6.150	211.368	-3.00	64+0+000		211.550	213.492	-1.940		211.550	211.368	-3.00		6.150	211.368	-3.00		6.785	214.003	2.635		8.785	214.003	2.635
8.447	213.755	2.297		6.150	211.458	-3.00	65+0+000		211.642	213.521	-1.879		211.642	211.458	-3.00		6.150	211.458	-3.00		8.674	213.982	2.524		8.674	213.982	2.524
8.353	213.750	2.202		6.150	211.548	-3.00	66+0+000		211.730	213.587	-1.855		211.730	211.548	-3.00		6.150	211.548	-3.00		8.591	213.989	2.441		8.591	213.989	2.441
8.223	213.711	2.073		6.150	211.638	-3.00	67+0+000		211.822	213.624	-1.802		211.822	211.638	-3.00		6.150	211.638	-3.00		8.471	213.958	2.320		8.471	213.958	2.320
8.147	213.724	1.997		6.150	211.727	-3.00	68+0+000		211.912	213.654	-1.722		211.912	211.727	-3.00		6.150	211.727	-3.00		8.278	213.856	2.129		8.278	213.856	2.129
8.374	214.042	2.225		6.150	211.817	-3.00	69+0+000		212.002	213.622	-1.620		212.002	211.817	-3.00		6.150	211.817	-3.00		8.661	214.328	2.511		8.661	214.328	2.511
8.201	213.958	2.051		6.150	211.907	-3.00	70+0+000		212.092	213.674	-1.582		212.092	211.907	-3.00		6.150	211.907	-3.00		8.362	214.119	2.212		8.362	214.119	2.212
7.912	213.758	1.761		6.150	211.997	-3.00	71+0+000		212.181	213.706	-1.523		212.181	211.997	-3.00		6.150	211.997	-3.00		8.073	213.920	1.923		8.073	213.920	1.923
7.984	213.830	1.243		6.150	212.087	-3.00	72+0+000		212.271	213.484	-1.215		212.271	212.087	-3.00		6.150	212.087	-3.00		7.787	213.724	1.637		7.787	213.724	1.637
7.048	213.074	0.897		6.150	212.177	-3.00	73+0+000		212.361	213.124	-0.763		212.361	212.177	-3.00		6.150	212.177	-3.00		7.289	213.326	1.149		7.289	213.326	1.149
6.601	212.717	0.451		6.150	212.266	-3.00	74+0+000		212.451	212.705	-0.254		212.451	212.266	-3.00		6.150	212.266	-3.00		6.752	212.868	0.602		6.752	212.868	0.602
6.539	212.097	-0.259		6.150	212.356	-3.00	75+0+000		212.541	212.225	0.416		212.541	212.356	-3.00		6.150	212.356	-3.00		6.488	212.695	0.339		6.488	212.695	0.339
7.778	211.361	-1.085		6.150	212.446	-3.00	76+0+000		212.631	211.571	1.060		212.631	212.446	-3.00		6.150	212.446	-3.00		6.937	211.935	-0.511		6.937	211.935	-0.511
9.309	210.490	-2.106		6.150	212.536	-3.00	77+0+000		212.720	211.209	1.511		212.720	212.536	-3.00		6.150	212.536	-3.00		7.310	211.763	-0.773		7.310	211.763	-0.773
10.307	209.855	-2.771		6.150	212.626	-3.00	78+0+000		212.810	210.928	1.882		212.810	212.626	-3.00		6.150	212.626	-3.00		7.881	211.472	-1.154		7.881	211.472	-1.154
10.571	209.769	-2.947		6.150	212.716	-3.00	79+0+000		212.900	210.867	2.013		212.900	212.716	-3.00		6.150	212.716	-3.00		8.634	211.060	-1.656		8.634	211.060	-1.656
9.878	210.320	-2.485		6.150	212.805	-3.00	80+0+000		212.990	210.953	2.037		212.990	212.805	-3.00		6.150	212.805	-3.00		9.548	210.540	-2.265		9.548	210.540	-2.265
9.642	210.568	-2.377		6.150	212.895	-3.00	81+0+000		213.080	211.079	2.001		213.080	212.895	-3.00		6.150	212.895	-3.00		9.994	210.333	-2.562		9.994	210.333	-2.562
9.525	210.735	-2.259		6.150	212.985	-3.00	82+0+000		213.170	211.189	1.977		213.170	212.985	-3.00		6.150	212.985	-3.00		9.659	210.646	-2.339		9.659	210.646	-2.339
10.241	210.948	-2.727		6.150	213.075	-3.00	83+0+000		213.260	211.320	1.939		213.260	213.075	-3.00		6.150	213.075	-3.00		8.880	211.188	-1.887		8.880	211.188	-1.887
9.816	210.721	-2.444		6.150	213.165	-3.00	84+0+000		213.348	211.510	1.839		213.348	213.165	-3.00		6.150	213.165	-3.00		8.765	211.421	-1.744		8.765	211.421	-1.744
9.596	210.957	-2.298		6.150	213.255	-3.00	85+0+000		213.439	211.710	1.729		213.439	213.255	-3.00		6.150	213.255	-3.00		8.597	211.623	-1.632		8.597	211.623	-1.632
9.184	211.322	-2.023		6.150	213.345	-3.00	86+0+000		213.529	211.906	1.623		213.529	213.345	-3.00		6.150	213.345	-3.00		8.250	211.945	-1.400		8.250	211.945	-1.400
9.160	211.340	-2.007		6.150	213.347	-3.00	86+0+522		213.531	211.910	1.621	PCV	213.531	213.347	-3.00		6.150	213.347	-3.00		8.216	211.970	-1.377		8.216	211.970	-1.377
7.931	212.271	-1.188		6.150	213.459	-3.00	87+0+000		213.640	212.098	1.545		213.640	213.459	-3.00		6.150	213.459	-3.00		6.888	212.980	-0.479		6.888	212.980	-0.479
7.584	212.669	-0.956		6.150	213.625	-3.00	88+0+000		213.810	212.331	1.479		213.810	213.625	-3.00		6.150	213.625	-3.00		6.333	213.400	-0.135		6.333	213.400	-0.135
7.691	212.816	-1.027		6.150	213.843	-3.00	89+0+000		214.027	212.911	1.116		214.027	213.843	-3.00		6.150	213.843	-3.00		6.416	214.109	0.266		6.416	214.109	0.266
7.384	213.290	-0.823		6.150	214.113	-3.00	90+0+000		214.297	213.675	0.822		214.297	214.113	-3.00		6.150	214.113	-3.00		6.738	214.702	0.589		6.738	214.702	0.589
7.250	213.701	-0.738		6.150	214.434	-3.00	91+0+000		214.619	213.864	0.755		214.619	214.434	-3.00		6.150	214.434	-3.00		6.699	214.983	0.549		6.699	214.983	0.549
7.268	214.062	-0.745		6.150	214.807	-3.00	92+0+000		214.992	214.442	0.750		214.992	214.807	-3.00		6.150	214.807	-3.00		6.915	215.573	0.766		6.915	215.573	0.766
7.862	214.024	-0.688		6.150	215.323	-3.00	93+0+000		215.417	214.764	0.653		215.417	215.323	-3.00		6.150	215.323	-3.00		7.671	216.753	1.521		7.671	216.753	1.521
6.888	215.210	-0.489		6.150	215.709	-3.00	94+0+000		215.894	214.973	0.921		215.894	215.709	-3.00		6.150	215.709	-3.00		8.041	217.600	1.891		8.041	217.600	1.891
7.252	215.993	-0.735		6.150	216.238	-3.00	95+0+000		216.422	215.536	0.886		216.422	216.238	-3.00		6.150	216.238	-3.00		7.168	217.256	1.018		7.168	217.256	1.018
7.048	216.219	-0.599		6.150	216.818	-3.00	96+0+000		217.002	216.075	0.927		217.002	216.818	-3.00		6.150	216.818	-3.00		6.451	217.118	0.300		6.451	217.118	0.300
7.011	216.259	-0.575		6.150	216.834	-3.00	96+0+522		217.018	216.084	0.934	PTV	217.018	216.834	-3.00		6.150	216.834	-3.00		6.432	217.115	0.281		6.432	217.115	0.281
6.444	217.229	-0.196		6.150	217.425	-3.00	97+0+000		217.610	217.001	0.609		217.610	217.425	-3.00		6.150	217.425	-3.00		6.928	218.203	0.778		6.928	218.203	0.778
6.235	217.963	-0.070		6.150	218.033	-3.00	98+0+000		218.217	218.011	0.206		218.217	218.033	-3.00		6.150	218.033	-3.00		6.437	218.319	0.286		6.437	218.319	0.286
6.561	218.566	-0.278		6.150	218.640	-3.00	99+0+000		218.285	218.215	0.110		218.285	218.640	-3.00		6.150	218.640	-3.00		6.380	219.070	0.430		6.380	219.070	0.430



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Banqueta					Bordo					Banqueta					Bordo				
Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)
6.394	218.846	-0.168			6.150	219.009	-3.00	99+12.123	PCV	219.133	0.060	6.150	219.009	-3.00	6.150	219.009	-3.00	6.373	219.432
6.199	219.294	0.049			6.150	219.245	-3.00	100+0.000		219.430	0.016	6.150	219.245	-3.00	6.150	219.245	-3.00	6.037	219.732
6.418	220.089	0.268			6.150	219.821	-3.00	101+0.000		220.005	-0.185	6.150	219.821	-3.00	6.150	219.821	-3.00	6.055	220.326
6.576	220.786	0.426			6.150	220.360	-3.00	102+0.000		220.545	-0.231	6.150	220.360	-3.00	6.150	220.360	-3.00	6.528	220.738
6.822	221.536	0.672			6.150	220.864	-3.00	103+0.000		221.048	-0.205	6.150	220.864	-3.00	6.150	220.864	-3.00	6.604	221.318
6.239	221.421	0.089			6.150	221.332	-3.00	104+0.000		221.516	-0.076	6.150	221.332	-3.00	6.150	221.332	-3.00	6.738	221.920
6.413	222.027	0.263			6.150	221.764	-3.00	105+0.000		221.949	-0.233	6.150	221.764	-3.00	6.150	221.764	-3.00	7.006	222.620
6.674	222.684	0.524			6.150	222.160	-3.00	106+0.000		222.345	-0.470	6.150	222.160	-3.00	6.150	222.160	-3.00	6.798	222.808
6.975	223.346	0.825			6.150	222.521	-3.00	107+0.000		222.706	-0.837	6.150	222.521	-3.00	6.150	222.521	-3.00	7.539	223.910
7.424	224.119	1.274			6.150	222.845	-3.00	107+19.944		223.029	-0.775	6.150	222.845	-3.00	6.150	222.845	-3.00	7.159	223.853
7.424	224.120	1.274			6.150	223.846	-3.00	108+0.000		223.030	-0.776	6.150	223.846	-3.00	6.150	223.846	-3.00	7.159	223.853
7.044	224.029	0.895			6.150	223.134	-3.00	109+0.000		223.319	-0.739	6.150	223.134	-3.00	6.150	223.134	-3.00	6.759	223.744
6.524	223.761	0.374			6.150	223.387	-3.00	110+0.000		223.572	-0.154	6.150	223.387	-3.00	6.150	223.387	-3.00	6.229	223.467
7.439	222.745	-0.859			6.150	223.604	-3.00	111+0.000		223.789	0.582	6.150	223.604	-3.00	6.150	223.604	-3.00	7.067	222.993
8.111	222.479	-1.307			6.150	223.786	-3.00	112+0.000		223.970	0.984	6.150	223.786	-3.00	6.150	223.786	-3.00	7.983	222.564
8.729	222.212	-1.739			6.150	223.931	-3.00	113+0.000		224.116	1.250	6.150	223.931	-3.00	6.150	223.931	-3.00	8.116	222.621
8.487	222.483	-1.598			6.150	224.041	-3.00	114+0.000		224.225	1.280	6.150	224.041	-3.00	6.150	224.041	-3.00	7.807	222.936
7.995	222.860	-1.230			6.150	224.090	-3.00	114+12.123	PTV	224.274	1.164	6.150	224.090	-3.00	6.150	224.090	-3.00	7.721	223.042
7.620	223.138	-0.979			6.150	224.117	-3.00	115+0.000		224.302	1.099	6.150	224.117	-3.00	6.150	224.117	-3.00	7.615	223.141
6.580	223.900	-0.367			6.150	224.187	-3.00	116+0.000		224.372	0.954	6.150	224.187	-3.00	6.150	224.187	-3.00	7.429	223.334
6.476	224.040	-0.217			6.150	224.257	-3.00	117+0.000		224.442	0.732	6.150	224.257	-3.00	6.150	224.257	-3.00	7.242	223.529
6.370	224.547	0.220			6.150	224.327	-3.00	118+0.000		224.512	0.274	6.150	224.327	-3.00	6.150	224.327	-3.00	6.752	223.926
7.868	225.616	1.219			6.150	224.397	-3.00	119+0.000		224.582	0.160	6.150	224.397	-3.00	6.150	224.397	-3.00	6.597	224.845
7.718	226.015	1.568			6.150	224.467	-3.00	120+0.000		224.652	-0.711	6.150	224.467	-3.00	6.150	224.467	-3.00	6.991	225.108
7.419	225.807	1.270			6.150	224.537	-3.00	121+0.000		224.722	-1.165	6.150	224.537	-3.00	6.150	224.537	-3.00	7.651	226.038
8.137	226.594	1.987			6.150	224.607	-3.00	122+0.000		224.792	-1.594	6.150	224.607	-3.00	6.150	224.607	-3.00	7.982	226.439
8.380	226.907	2.230			6.150	224.677	-3.00	123+0.000		224.862	-2.069	6.150	224.677	-3.00	6.150	224.677	-3.00	8.368	226.896
8.551	227.149	2.402			6.150	224.747	-3.00	124+0.000		224.932	-2.509	6.150	224.747	-3.00	6.150	224.747	-3.00	8.753	227.350
8.402	227.089	2.252			6.150	224.817	-3.00	125+0.000		225.002	-2.739	6.150	224.817	-3.00	6.150	224.817	-3.00	8.925	227.592
8.464	227.202	2.315			6.150	224.887	-3.00	126+0.000		225.072	-2.598	6.150	224.887	-3.00	6.150	224.887	-3.00	8.645	227.383
8.278	227.086	2.129			6.150	224.957	-3.00	127+0.000		225.142	-2.338	6.150	224.957	-3.00	6.150	224.957	-3.00	8.102	226.909
8.178	227.056	2.029			6.150	225.027	-3.00	128+0.000		225.212	-1.778	6.150	225.027	-3.00	6.150	225.027	-3.00	7.765	226.642
7.778	226.725	1.628			6.150	225.097	-3.00	129+0.000		225.282	-1.170	6.150	225.097	-3.00	6.150	225.097	-3.00	7.345	226.293
6.887	225.905	0.738			6.150	225.167	-3.00	130+0.000		225.352	-0.670	6.150	225.167	-3.00	6.150	225.167	-3.00	6.909	225.926
7.422	226.509	1.272			6.150	225.237	-3.00	131+0.000		225.422	-0.077	6.150	225.237	-3.00	6.150	225.237	-3.00	6.244	225.332
6.704	224.938	-0.369			6.150	225.307	-3.00	132+0.000		225.492	0.534	6.150	225.307	-3.00	6.150	225.307	-3.00	6.789	224.881
6.546	225.113	-0.264			6.150	225.377	-3.00	133+0.000		225.562	0.247	6.150	225.377	-3.00	6.150	225.377	-3.00	7.585	224.421
7.287	224.690	-0.759			6.150	225.447	-3.00	134+0.000		225.632	1.320	6.150	225.447	-3.00	6.150	225.447	-3.00	7.888	224.425



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Pavimento		Estatos		Pavimento		Cota		Cota		Banqueta		Offset	
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)
7,926	224,333	-1,184		6,150	225,517	-3,00	135+0+000					1,865	223,837	1,865	225,517	-3,00		8,947	223,919
9,115	223,611	-1,976		6,150	225,587	-3,00	136+0+000					2,25,72	223,602	2,170	6,150	225,587	-3,00	8,927	223,796
9,482	223,436	-2,221		6,150	225,657	-3,00	137+0+000					2,25,72	223,468	2,374	6,150	225,657	-3,00	9,254	223,588
10,151	223,060	-2,667		6,150	225,727	-3,00	138+0+000					2,25,932	223,377	2,535	6,150	225,727	-3,00	9,487	223,529
10,189	223,105	-2,692		6,150	225,797	-3,00	139+0+000					2,25,982	223,414	2,568	6,150	225,797	-3,00	10,119	223,151
10,896	222,703	-3,164		6,150	225,867	-3,00	140+0+000					2,26,052	223,389	2,663	6,150	225,867	-3,00	10,416	223,010
11,006	222,640	-3,286		6,150	225,876	-3,00	140+2+571					2,26,081	223,385	2,676	6,150	225,876	-3,00	10,496	222,979
11,120	222,649	-3,313		6,150	225,862	-3,00	141+0+000					2,26,146	223,433	2,713	6,150	225,862	-3,00	11,331	222,508
12,308	221,974	-4,146		6,150	226,120	-3,00	142+0+000					2,26,104	223,404	2,800	6,150	226,120	-3,00	11,541	222,525
11,148	223,009	-3,333		6,150	226,342	-3,00	143+0+000					2,26,526	223,759	2,767	6,150	226,342	-3,00	11,224	222,959
10,716	223,583	-3,044		6,150	226,627	-3,00	144+0+000					2,26,932	223,999	2,813	6,150	226,627	-3,00	10,793	223,533
10,081	224,357	-2,620		6,150	226,977	-3,00	145+0+000					2,27,162	224,265	2,897	6,150	226,977	-3,00	10,410	224,138
9,966	224,847	-2,544		6,150	227,391	-3,00	146+0+000					2,27,526	224,687	2,999	6,150	227,391	-3,00	10,181	224,704
9,740	225,476	-2,394		6,150	227,870	-3,00	147+0+000					2,28,094	225,158	2,896	6,150	227,870	-3,00	10,006	225,299
9,183	226,390	-2,022		6,150	228,412	-3,00	148+0+000					2,28,596	225,819	2,777	6,150	228,412	-3,00	10,352	225,611
9,102	227,050	-1,968		6,150	229,018	-3,00	149+0+000					2,29,202	226,585	2,617	6,150	229,018	-3,00	10,426	226,167
8,936	227,831	-1,857		6,150	229,688	-3,00	150+0+000					2,29,873	227,480	2,393	6,150	229,688	-3,00	10,707	226,650
8,234	229,033	-1,889		6,150	230,422	-3,00	151+0+000					2,30,607	228,604	2,083	6,150	230,422	-3,00	8,233	229,034
7,973	230,005	-1,286		6,150	231,221	-3,00	152+0+000					2,31,405	229,962	1,443	6,150	231,221	-3,00	9,051	229,287
7,979	230,864	-1,219		6,150	232,083	-3,00	153+0+000					2,32,269	231,137	1,140	6,150	232,083	-3,00	8,808	231,644
7,951	231,809	-1,200		6,150	233,009	-3,00	154+0+000					2,33,194	232,300	0,894	6,150	233,009	-3,00	6,345	232,879
7,641	233,006	-0,994		6,150	234,000	-3,00	155+0+000					2,34,184	233,482	0,702	6,150	234,000	-3,00	6,886	233,501
7,272	233,384	-0,746		6,150	234,132	-3,00	155+2+71					2,34,316	233,620	0,696	6,150	234,132	-3,00	6,396	233,835
6,849	234,564	-0,466		6,150	235,030	-3,00	156+0+000					2,35,215	234,613	0,602	6,150	235,030	-3,00	6,308	234,925
6,925	235,463	-0,516		6,150	235,979	-3,00	156+18+423					2,36,164	235,748	0,416	6,150	235,979	-3,00	6,880	235,491
6,948	235,529	-0,532		6,150	236,061	-3,00	157+0+000					2,36,245	235,849	0,396	6,150	236,061	-3,00	6,875	235,577
6,985	236,593	-0,548		6,150	237,046	-3,00	158+0+000					2,37,231	236,987	0,344	6,150	237,046	-3,00	6,640	236,719
6,751	237,554	-0,400		6,150	237,954	-3,00	159+0+000					2,38,139	237,857	0,282	6,150	237,954	-3,00	6,737	237,563
6,612	238,476	-0,388		6,150	238,784	-3,00	160+0+000					2,38,969	238,633	0,336	6,150	238,784	-3,00	6,798	238,352
6,804	239,101	-0,436		6,150	239,537	-3,00	161+0+000					2,39,721	239,300	0,421	6,150	239,537	-3,00	7,068	238,925
6,595	239,915	-0,296		6,150	240,211	-3,00	162+0+000					2,40,396	239,987	0,409	6,150	240,211	-3,00	7,186	239,530
6,713	240,432	-0,376		6,150	240,808	-3,00	163+0+000					2,40,993	240,528	0,465	6,150	240,808	-3,00	6,872	240,327
6,547	241,062	-0,265		6,150	241,327	-3,00	164+0+000					2,41,512	241,202	0,310	6,150	241,327	-3,00	6,798	240,935
6,267	241,690	-0,078		6,150	241,768	-3,00	165+0+000					2,41,993	242,175	0,238	6,150	241,768	-3,00	6,894	241,739
6,208	242,190	0,058		6,150	242,132	-3,00	166+0+000					2,42,316	242,133	0,193	6,150	242,132	-3,00	6,763	242,243
6,519	242,787	0,370		6,150	242,417	-3,00	167+0+000					2,42,602	242,545	0,057	6,150	242,417	-3,00	6,445	242,712
6,352	243,828	0,203		6,150	242,825	-3,00	168+0+000					2,42,810	242,788	0,022	6,150	242,825	-3,00	6,720	243,195
6,167	244,773	0,017		6,150	243,756	-3,00	169+0+000					2,43,940	243,807	0,133	6,150	243,756	-3,00	6,518	244,124



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Nota de Serviço de Terraplenagem

Redovia : MT-339/248

Lado Esquerdo												Lado Direto																
Banqueta						Bordo						Bordo						Banqueta										
Ofset			Alisat. (m)			Cota (m)			Ind. (%)			Estatia			Pontos Notáveis Horizontal			Pontos Notáveis Vertical			Cota Termino			Cota Vermelha				
Altura (m)	Cota (m)	Alisat. (m)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Ind. (%)		
6,431	242,626	-0,182			6,150	242,608	-3,00	170+0,000	242,592	242,678	0,314	6,150	242,608	-3,00	170+0,000	242,592	242,678	0,314	6,150	242,608	-3,00	170+0,000	242,592	242,678	0,314	6,400	243,138	0,130
6,440	242,616	-0,193			6,150	242,609	-3,00	170+3,466	242,594	242,661	0,333	6,150	242,609	-3,00	170+3,466	242,594	242,661	0,333	6,150	242,609	-3,00	170+3,466	242,594	242,661	0,333	6,512	243,171	0,162
6,435	242,592	-0,190			6,150	242,592	-3,00	171+0,000	242,587	242,576	0,391	6,150	242,592	-3,00	171+0,000	242,587	242,576	0,391	6,150	242,592	-3,00	171+0,000	242,587	242,576	0,391	6,806	243,659	0,077
6,562	242,616	-0,274			6,150	242,600	-3,00	171+18,423	PTV	242,575	242,418	0,457	6,150	242,600	-3,00	171+18,423	PTV	242,575	242,418	0,457	6,150	242,600	-3,00	171+18,423	6,783	243,304	0,014	
6,563	242,604	-0,276			6,150	242,600	-3,00	172+0,000	242,584	242,403	0,461	6,150	242,600	-3,00	172+0,000	242,584	242,403	0,461	6,150	242,600	-3,00	172+0,000	242,584	242,403	0,461	6,780	243,310	0,030
6,567	242,265	-0,279			6,150	242,544	-3,00	173+0,000	242,728	242,291	0,437	6,150	242,544	-3,00	173+0,000	242,728	242,291	0,437	6,150	242,544	-3,00	173+0,000	242,728	242,291	0,437	6,907	243,300	0,756
6,629	242,088	-0,320			6,150	242,408	-3,00	174+0,000	242,592	242,142	0,450	6,150	242,408	-3,00	174+0,000	242,592	242,142	0,450	6,150	242,408	-3,00	174+0,000	242,592	242,142	0,450	6,722	242,980	0,572
6,598	241,973	-0,299			6,150	242,272	-3,00	175+0,000	242,456	241,875	0,581	6,150	242,272	-3,00	175+0,000	242,456	241,875	0,581	6,150	242,272	-3,00	175+0,000	242,456	241,875	0,581	6,402	242,604	-0,228
6,732	241,735	-0,401			6,150	242,136	-3,00	176+0,000	242,320	241,625	0,695	6,150	242,136	-3,00	176+0,000	242,320	241,625	0,695	6,150	242,136	-3,00	176+0,000	242,320	241,625	0,695	6,607	241,831	-0,305
6,722	241,619	-0,381			6,150	242,000	-3,00	177+0,000	242,184	241,414	0,770	6,150	242,000	-3,00	177+0,000	242,184	241,414	0,770	6,150	242,000	-3,00	177+0,000	242,184	241,414	0,770	7,048	241,401	-0,599
6,682	241,509	-0,355			6,150	241,864	-3,00	178+0,000	242,048	241,248	0,800	6,150	241,864	-3,00	178+0,000	242,048	241,248	0,800	6,150	241,864	-3,00	178+0,000	242,048	241,248	0,800	6,753	241,462	-0,402
6,957	241,130	-0,538			6,150	241,728	-3,00	179+0,000	241,932	241,088	0,824	6,150	241,728	-3,00	179+0,000	241,932	241,088	0,824	6,150	241,728	-3,00	179+0,000	241,932	241,088	0,824	7,900	241,035	-0,693
7,051	240,992	-0,600			6,150	241,592	-3,00	180+0,000	241,776	240,900	0,876	6,150	241,592	-3,00	180+0,000	241,776	240,900	0,876	6,150	241,592	-3,00	180+0,000	241,776	240,900	0,876	6,992	241,030	-0,562
6,849	240,991	-0,466			6,150	241,457	-3,00	180+19,863	PCV	241,641	240,788	0,853	6,150	241,457	-3,00	180+19,863	PCV	241,641	240,788	0,853	6,150	241,457	-3,00	180+19,863	6,970	240,911	-0,546	
6,848	240,991	-0,465			6,150	241,456	-3,00	181+0,000	241,641	240,787	0,854	6,150	241,456	-3,00	181+0,000	241,641	240,787	0,854	6,150	241,456	-3,00	181+0,000	241,641	240,787	0,854	6,967	240,912	-0,544
6,771	240,949	-0,414			6,150	241,363	-3,00	182+0,000	241,547	240,654	0,893	6,150	241,363	-3,00	182+0,000	241,547	240,654	0,893	6,150	241,363	-3,00	182+0,000	241,547	240,654	0,893	7,034	240,797	-0,576
6,707	240,916	-0,371			6,150	241,347	-3,00	182+12,097	241,532	240,569	0,963	6,150	241,347	-3,00	182+12,097	241,532	240,569	0,963	6,150	241,347	-3,00	182+12,097	241,532	240,569	0,963	7,074	240,731	-0,616
7,485	240,464	-0,880			6,150	241,354	-3,00	183+0,000	241,539	240,528	1,011	6,150	241,354	-3,00	183+0,000	241,539	240,528	1,011	6,150	241,354	-3,00	183+0,000	241,539	240,528	1,011	7,314	240,578	-0,776
8,711	239,722	-1,708			6,150	241,430	-3,00	184+0,000	241,614	240,602	1,012	6,150	241,430	-3,00	184+0,000	241,614	240,602	1,012	6,150	241,430	-3,00	184+0,000	241,614	240,602	1,012	7,401	240,571	-0,859
9,478	239,371	-2,218			6,150	241,589	-3,00	185+0,000	241,774	240,801	0,973	6,150	241,589	-3,00	185+0,000	241,774	240,801	0,973	6,150	241,589	-3,00	185+0,000	241,774	240,801	0,973	7,807	240,422	-1,167
8,185	240,477	-1,357			6,150	241,834	-3,00	186+0,000	242,018	241,009	1,009	6,150	241,834	-3,00	186+0,000	242,018	241,009	1,009	6,150	241,834	-3,00	186+0,000	242,018	241,009	1,009	6,827	241,883	-0,651
7,112	241,521	-0,641			6,150	242,162	-3,00	187+0,000	242,347	241,379	0,968	6,150	242,162	-3,00	187+0,000	242,347	241,379	0,968	6,150	242,162	-3,00	187+0,000	242,347	241,379	0,968	7,899	241,389	-0,773
6,272	242,494	-0,081			6,150	242,575	-3,00	188+0,000	242,760	241,920	0,840	6,150	242,575	-3,00	188+0,000	242,760	241,920	0,840	6,150	242,575	-3,00	188+0,000	242,760	241,920	0,840	7,802	241,807	-0,768
6,443	242,877	-0,195			6,150	243,072	-3,00	189+0,000	243,257	242,548	0,709	6,150	243,072	-3,00	189+0,000	243,257	242,548	0,709	6,150	243,072	-3,00	189+0,000	243,257	242,548	0,709	6,810	242,633	-0,439
6,443	243,947	0,293			6,150	243,654	-3,00	190+0,000	243,838	243,405	0,433	6,150	243,654	-3,00	190+0,000	243,838	243,405	0,433	6,150	243,654	-3,00	190+0,000	243,838	243,405	0,433	6,737	243,693	-0,071
7,854	246,019	1,704			6,150	248,315	-3,00	190+19,863	PTV	244,500	244,407	0,093	6,150	248,315	-3,00	190+19,863	PTV	244,500	244,407	0,093	6,150	248,315	-3,00	190+19,863	6,621	244,787	0,472	
7,854	246,023	1,703			6,150	248,320	-3,00	191+0,000	244,504	244,415	0,089	6,150	248,320	-3,00	191+0,000	244,504	244,415	0,089	6,150	248,320	-3,00	191+0,000	244,504	244,415	0,089	6,625	244,795	0,075
7,893	246,663	1,744			6,150	248,919	-3,00	191+16,943	245,104	245,313	-0,209	6,150	248,919	-3,00	191+16,943	245,104	245,313	-0,209	6,150	248,919	-3,00	191+16,943	245,104	245,313	-0,209	6,435	245,225	0,306
7,980	246,776	1,749			6,150	246,027	-3,00	192+0,000	245,211	245,405	-0,284	6,150	246,027	-3,00	192+0,000	245,211	245,405	-0,284	6,150	246,027	-3,00	192+0,000	245,211	245,405	-0,284	6,468	245,344	0,317
7,828	247,364	1,678			6,150	245,686	-3,00	193+0,000	245,870	246,594	-0,724	6,150	245,686	-3,00	193+0,000	245,870	246,594	-0,724	6,150	245,686	-3,00	193+0,000	245,870	246,594	-0,724	6,587	246,122	0,436
7,455	247,575	1,305			6,150	246,270	-3,00	194+0,000	246,594	247,176	-0,722	6,150	246,270	-3,00	194+0,000	246,594	247,176	-0,722	6,150	246,270	-3,00	194+0,000	246,594	247,176	-0,722	6,999	247,119	0,469
7,575	248,205	1,425			6,150	246,780	-3,00	195+0,000	246,965	247,896	-0,931	6,150	246,780	-3,00	195+0,000	246,965	247,896	-0,931	6,150	246,780	-3,00	195+0,000	246,965	247,896	-0,931	7,014	247,644	0,864
7,973	249,039	1,823			6,150	247,216	-3,00	196+0,000	247,400	249,008	-1,608	6,150	247,216	-3,00	196+0,000	247,400	249,008	-1,608	6,150	247,216	-3,00	196+0,000	247,400	249,008	-1,608	6,933	247,998	0,782
7,463	248,890	1,313			6,150	247,577	-3,00	197+0,000	247,761	248,053	-0,292	6,150	247,577	-3,00	197+0,000	247,761	248,053	-0,292	6,150	247,577	-3,00	197+0,000	247,761	248,053	-0,292	6,629	248,055	0,478
6,754	248,467	0,604			6,150	247,863	-3,00	198+0,000	248,048	247,901	0,147	6,150	247,863	-3,00	198+0,000	248,048	247,901	0,147	6,150	247,863	-3,00	198+0,000	248,048	247,901	0,147	6,167	247,880	0,017
6,421	248,546	0,270			6,150	248,076	-3,00	199+0,000	248,260	247,792	0,468	6,150	248,076	-3,00	199+0,000	248,260	247,792	0,468	6,150	248,076	-3,00	199+0,000	248,260	247,792	0,468	6,582	247,788	-0,288
6,887	247,722	-0,491			6,150	248,213	-3,00	200+0,000	248,398	247,639	0,759	6,150	248,213	-3,00	200+0,000	248,398	247,639	0,759	6,150	248,213	-3,00	200+0,000	248,398	247,639	0,759	7,209	247,507	-0,706
6,955	247,740	-0,537			6,150	248,277	-3,00	201+0,000	248,401	247,513	0,848	6,150	248,277	-3,00	201+0,000	248,401	247,513	0,848	6,150	248,277	-3,00	201+0,000	248,401	247,513	0,848	7,377	247,493	-0,795



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Pavimento		Estatos		Ponto		Cota		Cota		Banqueta		Offset	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
7.135	247.625	-0.656						201+6.997				247.471	0.995	6.150	248.281	-3.000		7.656	247.410
7.263	247.463	-0.809						201+16.943				247.397	1.099	6.150	248.272	-3.000		7.829	247.419
7.429	247.414	-0.852						202+0.000				247.373	1.078	6.150	248.266	-3.000		7.888	247.434
7.777	247.178	-1.053						203+0.000				247.251	1.163	6.150	248.229	-3.000		7.863	247.421
7.886	247.035	-1.157						204+0.000				247.183	1.194	6.150	248.192	-3.000		7.868	247.320
7.395	247.325	-0.830						205+0.000				247.154	1.186	6.150	248.155	-3.000		7.886	246.931
7.535	247.195	-0.928						206+0.000				247.188	1.115	6.150	248.118	-3.000		7.443	247.256
7.267	247.336	-0.745						207+0.000				247.310	0.956	6.150	248.081	-3.000		7.366	247.270
6.950	247.511	-0.533						208+0.000				247.405	0.824	6.150	248.044	-3.000		7.800	247.437
6.606	247.703	-0.304						209+0.000				247.543	0.649	6.150	248.007	-3.000		6.884	247.511
6.286	247.893	-0.081						210+0.000				247.639	0.529	6.150	247.964	-3.000		6.667	247.639
6.202	248.022	0.052						211+0.000				247.691	0.464	6.150	247.970	-3.000		6.512	247.728
6.228	247.990	-0.052						210+4.916				247.733	0.412	6.150	247.961	-3.000		6.395	247.797
6.304	248.092	0.154						210+17.154				247.840	0.283	6.150	247.988	-3.000		6.256	248.044
6.352	248.135	0.202						211+0.000				247.861	0.257	6.150	247.933	-3.000		6.339	248.122
6.470	248.216	0.320						212+0.000				247.989	0.091	6.150	247.896	-3.000		6.299	248.045
6.658	248.367	0.508						213+0.000				248.162	-0.119	6.150	247.859	-3.000		6.450	248.159
6.949	248.621	0.799						214+0.000				248.218	-0.212	6.150	247.822	-3.000		6.604	248.226
6.759	248.394	0.609						215+0.000				248.246	-0.277	6.150	247.785	-3.000		6.506	248.141
6.840	248.438	0.690						216+0.000				248.238	-0.306	6.150	247.748	-3.000		6.396	248.383
6.829	248.390	0.679						217+0.000				247.895	-0.269	6.150	247.711	-3.000		6.385	248.146
6.403	247.937	0.253						218+0.000				247.858	0.111	6.150	247.674	-3.000		6.331	247.955
6.583	248.070	0.433						219+0.000				247.821	0.091	6.150	247.637	-3.000		6.284	247.771
6.296	247.746	0.146						220+0.000				247.794	0.189	6.150	247.600	-3.000		6.236	247.543
6.317	247.730	0.167						221+0.000				247.747	0.246	6.150	247.563	-3.000		6.590	247.296
6.498	247.293	-0.233						222+0.000				247.710	0.245	6.150	247.526	-3.000		6.667	247.181
6.597	247.191	-0.288						223+0.000				247.673	0.593	6.150	247.489	-3.000		7.030	246.902
6.767	247.040	-0.412						224+0.000				247.636	0.715	6.150	247.452	-3.000		7.188	246.759
7.126	246.764	-0.651						225+0.000				247.599	0.783	6.150	247.415	-3.000		7.335	246.625
7.096	246.747	-0.631						226+0.000				247.562	0.801	6.150	247.378	-3.000		7.275	246.627
7.051	246.740	-0.602						227+0.000				247.525	0.762	6.150	247.341	-3.000		7.109	246.701
6.790	246.877	-0.427						228+0.000				247.488	0.609	6.150	247.304	-3.000		7.038	246.712
6.380	247.113	-0.154						229+0.000				247.451	0.534	6.150	247.267	-3.000		6.951	246.932
6.379	247.077	-0.159						230+0.000				247.414	0.271	6.150	247.230	-3.000		6.414	247.053
6.444	247.886	0.294						231+0.000				247.377	0.026	6.150	247.192	-3.000		6.190	247.166
7.105	248.111	0.956						232+0.000				247.340	-0.240	6.150	247.155	-3.000		6.469	247.408
7.438	248.407	1.289						233+0.000				247.303	-0.433	6.150	247.118	-3.000		6.997	247.965
7.536	248.467	1.386						234+0.000				247.266	-0.718	6.150	247.081	-3.000		7.232	248.164



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offset		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Projeto		Cota Terreno		Cota Vermelha		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
7.781	248.675	1.631		6.150	247.044	-3.00	235+0.000			247.229	248.139	-0.510	247.044	-3.00	235+0.000	6.150	247.044	7.143	248.037
7.696	248.553	1.546		6.150	247.007	-3.00	236+0.000			247.192	248.046	-0.854	247.007	-3.00	236+0.000	6.150	247.007	7.413	248.270
7.491	248.312	1.342		6.150	246.970	-3.00	237+0.000			247.155	247.612	-0.457	246.970	-3.00	237+0.000	6.150	246.970	6.728	247.549
7.146	247.929	0.996		6.150	246.933	-3.00	238+0.000			247.118	247.238	-0.210	246.933	-3.00	238+0.000	6.150	246.933	6.446	247.229
6.801	247.548	0.652		6.150	246.896	-3.00	239+0.000			247.081	246.908	0.173	246.896	-3.00	239+0.000	6.150	246.896	6.334	246.774
6.491	247.201	0.342		6.150	246.859	-3.00	240+0.000			247.044	246.556	0.488	246.859	-3.00	240+0.000	6.150	246.859	6.326	246.742
6.501	247.174	0.352		6.150	246.822	-3.00	241+0.000			247.007	246.308	0.899	246.822	-3.00	241+0.000	6.150	246.822	6.749	246.427
6.192	246.827	0.042		6.150	246.785	-3.00	242+0.000			246.970	246.099	0.971	246.785	-3.00	242+0.000	6.150	246.785	6.964	246.242
6.641	246.423	-0.377		6.150	246.750	-3.00	242+18.752		PCV	246.935	245.928	1.007	246.750	-3.00	242+18.752	6.150	246.750	8.680	245.062
6.594	246.452	-0.296		6.150	246.748	-3.00	243+0.000			246.933	245.940	0.993	246.748	-3.00	243+0.000	6.150	246.748	8.769	245.002
6.273	246.588	-0.082		6.150	246.670	-3.00	244+0.000			246.894	246.142	0.712	246.670	-3.00	244+0.000	6.150	246.670	8.228	245.285
6.536	246.905	0.386		6.150	246.519	-3.00	245+0.000			246.703	246.480	0.223	246.519	-3.00	245+0.000	6.150	246.519	7.277	245.767
7.051	247.196	0.902		6.150	246.294	-3.00	246+0.000			246.679	246.803	-0.324	246.294	-3.00	246+0.000	6.150	246.294	6.362	246.506
7.967	247.814	1.817		6.150	245.997	-3.00	247+0.000			246.811	247.153	-0.972	245.997	-3.00	247+0.000	6.150	245.997	6.933	246.760
8.714	248.190	2.564		6.150	245.626	-3.00	248+0.000			245.811	247.732	-1.481	245.626	-3.00	248+0.000	6.150	245.626	7.668	247.144
8.754	247.787	2.605		6.150	245.182	-3.00	249+0.000			245.367	247.183	-1.246	245.182	-3.00	249+0.000	6.150	245.182	8.096	247.129
8.794	247.310	2.644		6.150	244.666	-3.00	250+0.000			244.850	246.602	-1.752	244.666	-3.00	250+0.000	6.150	244.666	8.277	246.793
7.280	245.245	1.130		6.150	244.115	-3.00	250+18.752		PTV	244.299	245.597	-1.288	244.115	-3.00	250+18.752	6.150	244.115	7.367	245.532
7.296	245.222	1.146		6.150	244.076	-3.00	251+0.000			244.260	245.501	-1.241	244.076	-3.00	251+0.000	6.150	244.076	7.487	245.613
7.688	244.992	1.538		6.150	243.454	-3.00	252+0.000			243.638	243.974	-0.336	243.454	-3.00	252+0.000	6.150	243.454	6.375	243.371
7.518	244.491	1.368		6.150	243.123	-3.00	252+10.652		PCV	243.307	243.226	0.081	243.123	-3.00	252+10.652	6.150	243.123	6.437	242.931
7.359	244.048	1.208		6.150	242.840	-3.00	253+0.000			243.024	242.596	0.428	242.840	-3.00	253+0.000	6.150	242.840	6.751	242.439
6.439	242.092	-0.192		6.150	242.284	-3.00	254+0.000			242.469	241.349	1.120	242.284	-3.00	254+0.000	6.150	242.284	7.990	241.057
7.006	241.227	-0.571		6.150	241.798	-3.00	255+0.000			241.980	240.301	1.682	241.798	-3.00	255+0.000	6.150	241.798	8.341	240.337
7.389	240.555	-0.846		6.150	241.381	-3.00	256+0.000			241.566	239.305	2.260	241.381	-3.00	256+0.000	6.150	241.381	8.877	239.563
9.272	238.952	-2.081		6.150	241.033	-3.00	257+0.000			241.217	239.122	2.095	241.033	-3.00	257+0.000	6.150	241.033	10.963	237.824
7.146	240.090	-0.668		6.150	240.753	-3.00	258+0.000			240.938	239.366	1.572	240.753	-3.00	258+0.000	6.150	240.753	9.305	238.717
7.086	239.919	-0.624		6.150	240.543	-3.00	259+0.000			240.728	239.542	1.186	240.543	-3.00	259+0.000	6.150	240.543	8.714	238.834
6.500	240.752	0.350		6.150	240.402	-3.00	260+0.000			240.587	239.613	0.974	240.402	-3.00	260+0.000	6.150	240.402	7.566	239.459
6.874	241.079	0.724		6.150	240.355	-3.00	260+10.652		PTV	240.539	239.874	0.665	240.355	-3.00	260+10.652	6.150	240.355	6.875	239.872
7.184	241.356	1.034		6.150	240.322	-3.00	261+0.000			240.507	240.083	0.424	240.322	-3.00	261+0.000	6.150	240.322	6.405	240.152
7.358	241.461	1.209		6.150	240.252	-3.00	262+0.000			240.437	240.499	-0.062	240.252	-3.00	262+0.000	6.150	240.252	6.506	240.608
7.717	241.750	1.568		6.150	240.182	-3.00	263+0.000			240.367	240.931	-0.564	240.182	-3.00	263+0.000	6.150	240.182	6.401	240.433
7.320	241.282	1.170		6.150	240.112	-3.00	264+0.000			240.297	240.216	0.081	240.112	-3.00	264+0.000	6.150	240.112	6.485	239.889
6.738	240.630	0.588		6.150	240.042	-3.00	265+0.000			240.227	239.446	0.781	240.042	-3.00	265+0.000	6.150	240.042	7.664	239.433
6.342	240.164	0.192		6.150	239.972	-3.00	266+0.000			240.157	238.653	1.504	239.972	-3.00	266+0.000	6.150	239.972	7.798	238.874
6.267	240.019	0.117		6.150	239.902	-3.00	267+0.000			240.087	239.237	0.850	239.902	-3.00	267+0.000	6.150	239.902	8.789	238.143
6.410	239.659	-0.178		6.150	239.832	-3.00	268+0.000			240.017	238.422	1.595	239.832	-3.00	268+0.000	6.150	239.832	9.090	237.872



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offet		Banqueta		Bordo		Pontos		Estatu		Bordo		Banqueta		Bordo		Pontos		Estatu	
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
7.276	239.011	-0.751		6.150	239.762	3.00	269+0.000			6.150	239.762	-3.00		6.150	239.762	-3.00		9.041	237.835
7.868	238.547	-1.146		6.150	239.692	3.00	270+0.000			6.150	239.692	-3.00		6.150	239.692	-3.00		9.081	237.738
8.046	238.358	-1.264		6.150	239.622	3.00	271+0.000			6.150	239.622	-3.00		6.150	239.622	-3.00		9.117	237.644
7.831	238.432	-1.120		6.150	239.552	3.00	272+0.000			6.150	239.552	-3.00		6.150	239.552	-3.00		8.886	237.862
8.300	238.049	-1.438		6.150	239.482	3.00	273+0.000			6.150	239.482	-3.00		6.150	239.482	-3.00		9.388	237.357
7.822	238.297	-1.115		6.150	239.412	3.00	274+0.000			6.150	239.412	-3.00		6.150	239.412	-3.00		8.471	237.865
7.844	238.221	-1.130		6.150	239.351	3.00	274+17.610		PCV	6.150	239.351	-3.00		6.150	239.351	-3.00		8.086	238.053
7.868	238.198	-1.146		6.150	239.343	3.00	275+0.000			6.150	239.343	-3.00		6.150	239.343	-3.00		8.019	238.097
7.746	238.262	-1.064		6.150	239.326	3.00	275+11.438			6.150	239.326	-3.00		6.150	239.326	-3.00		7.683	238.324
7.434	238.479	-0.857		6.150	239.336	3.00	276+0.000			6.150	239.336	-3.00		6.150	239.336	-3.00		7.779	238.516
6.487	239.205	-0.225		6.150	239.400	3.00	277+0.000			6.150	239.400	-3.00		6.150	239.400	-3.00		6.886	238.872
6.428	239.439	-0.186		6.150	239.625	3.00	278+0.000			6.150	239.625	-3.00		6.150	239.625	-3.00		6.701	239.258
6.379	240.150	0.229		6.150	239.921	3.00	279+0.000			6.150	239.921	-3.00		6.150	239.921	-3.00		6.330	239.668
6.390	240.159	-0.160		6.150	240.319	3.00	280+0.000			6.150	240.319	-3.00		6.150	240.319	-3.00		6.381	240.165
6.681	241.349	0.531		6.150	240.818	3.00	281+0.000			6.150	240.818	-3.00		6.150	240.818	-3.00		6.529	240.565
7.452	242.720	1.302		6.150	241.418	3.00	282+0.000			6.150	241.418	-3.00		6.150	241.418	-3.00		6.554	241.149
7.446	243.415	1.296		6.150	242.119	3.00	283+0.000			6.150	242.119	-3.00		6.150	242.119	-3.00		6.638	241.794
7.753	244.525	1.603		6.150	242.822	3.00	284+0.000			6.150	242.822	-3.00		6.150	242.822	-3.00		6.732	242.534
7.585	245.087	1.435		6.150	243.652	3.00	284+16.322		PC	6.150	243.652	-3.00		6.150	243.652	-3.00		6.482	246.985
7.567	245.130	1.417		6.150	243.713	3.00	284+17.610		PTV	6.150	243.713	-3.00		6.150	243.713	-3.00		9.501	247.064
7.558	245.132	1.408		6.150	243.744	3.00	284+18.275		PCV	6.150	243.744	-3.00		6.150	243.744	-3.00		9.469	247.063
7.534	245.210	1.385		6.150	243.825	3.00	285+0.000			6.150	243.825	-3.00		6.150	243.825	-3.00		6.796	244.471
7.457	246.085	1.307		6.150	244.778	3.00	286+0.000			6.150	244.778	-3.00		6.150	244.778	-3.00		6.974	244.229
7.320	246.919	1.170		6.150	245.749	3.00	287+0.000			6.150	245.749	-3.00		6.150	245.749	-3.00		6.901	245.208
7.195	247.398	1.045		6.150	246.353	3.00	287+12.265			6.150	246.353	-3.00		6.150	246.353	-3.00		6.744	245.957
7.085	247.672	0.935		6.150	246.737	3.00	288+0.000			6.150	246.737	-3.00		6.150	246.737	-3.00		6.607	246.432
6.577	248.170	0.427		6.150	247.743	3.00	289+0.000			6.150	247.743	-3.00		6.150	247.743	-3.00		6.381	247.602
6.786	249.403	0.636		6.150	248.767	3.00	290+0.000			6.150	248.767	-3.00		6.150	248.767	-3.00		7.214	248.057
6.772	249.815	0.623		6.150	249.192	3.00	290+8.207		PT	6.150	249.192	-3.00		6.150	249.192	-3.00		7.155	248.522
6.718	250.377	0.568		6.150	249.809	3.00	291+0.000			6.150	249.809	-3.00		6.150	249.809	-3.00		6.797	249.377
6.711	251.396	0.560		6.150	250.776	3.00	291+18.275		PTV	6.150	250.776	-3.00		6.150	250.776	-3.00		6.475	251.101
6.718	251.436	0.568		6.150	250.868	3.00	292+0.000			6.150	250.868	-3.00		6.150	250.868	-3.00		6.486	251.204
6.577	252.361	0.427		6.150	251.934	3.00	293+0.000			6.150	251.934	-3.00		6.150	251.934	-3.00		6.522	252.306
6.497	252.770	-0.231		6.150	253.001	3.00	294+0.000			6.150	253.001	-3.00		6.150	253.001	-3.00		6.652	253.503
6.279	254.196	0.128		6.150	254.068	3.00	295+0.000			6.150	254.068	-3.00		6.150	254.068	-3.00		6.907	254.825
6.769	255.753	0.614		6.150	255.135	3.00	296+0.000			6.150	255.135	-3.00		6.150	255.135	-3.00		6.705	255.690
6.790	256.841	0.640		6.150	256.201	3.00	297+0.000			6.150	256.201	-3.00		6.150	256.201	-3.00		6.681	256.733
6.739	257.133	0.589		6.150	256.544	3.00	297+6.418		PCV	6.150	256.544	-3.00		6.150	256.544	-3.00		6.468	257.056

Volume Anexo 3C - Cálculo dos Volumes e
Notas de Serviço de Terraplenagem

66

Projeto Executivo de Implantação e Pavimentação
da Rodovia MT-339/248



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Pavimento		Cota		Banqueta		Bordo		Pavimento		Cota		Offset	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.672	257.740	0.521		6.150	257.219	-3.00	258.000	257.403	258.067	-0.664	6.150	257.219	-3.00	258.067	6.602	257.760	0.541		
6.850	258.734	0.700		6.150	258.034	-3.00	259.000	258.218	258.659	-0.441	6.150	258.034	-3.00	258.659	6.461	258.345	0.311		
6.625	259.110	0.475		6.150	258.635	-3.00	300.000	258.619	259.101	-0.282	6.150	258.635	-3.00	259.101	6.251	258.736	0.101		
6.609	259.154	0.459		6.150	258.695	-3.00	300+2.509	258.880	259.151	-0.261	6.150	258.695	-3.00	259.151	6.231	258.776	0.081		
6.513	259.385	0.363		6.150	259.022	-3.00	301.000	259.207	259.555	-0.348	6.150	259.022	-3.00	259.555	6.300	259.173	0.151		
6.829	259.875	0.679		6.150	259.196	-3.00	302.000	259.381	259.964	-0.583	6.150	259.196	-3.00	259.964	6.664	259.711	0.515		
7.001	260.058	0.851		6.150	259.207	-3.00	302+6.296	259.392	260.076	-0.684	6.150	259.207	-3.00	260.076	6.801	259.858	0.651		
7.267	260.274	1.117		6.150	259.157	-3.00	303.000	259.341	260.265	-0.924	6.150	259.157	-3.00	260.265	7.261	260.268	1.111		
7.188	260.169	1.048		6.150	259.121	-3.00	303+4.308	259.306	260.156	-0.850	6.150	259.121	-3.00	260.156	7.192	260.343	1.222		
6.955	259.709	0.805		6.150	258.904	-3.00	304.000	259.088	259.734	-0.646	6.150	258.904	-3.00	259.734	6.988	259.342	0.438		
6.728	259.015	0.578		6.150	258.437	-3.00	305.000	258.621	258.740	-0.119	6.150	258.437	-3.00	258.740	7.099	257.804	-0.631		
6.752	258.359	0.602		6.150	257.757	-3.00	306.000	257.941	258.132	-0.191	6.150	257.757	-3.00	258.132	7.050	257.157	-0.600		
6.660	258.025	0.510		6.150	257.515	-3.00	306+5.907	257.699	257.895	-0.196	6.150	257.515	-3.00	257.895	6.887	257.024	-0.481		
6.442	257.155	0.292		6.150	256.863	-3.00	307.000	257.047	256.983	0.064	6.150	256.863	-3.00	257.047	6.690	256.502	-0.361		
6.243	255.848	0.093		6.150	255.755	-3.00	308.000	255.940	255.698	0.242	6.150	255.755	-3.00	255.940	6.415	255.312	-0.431		
6.171	254.420	-0.014		6.150	254.434	-3.00	309.000	254.618	254.274	0.344	6.150	254.434	-3.00	254.618	6.470	254.221	-0.211		
6.225	253.915	-0.090		6.150	253.965	-3.00	309+6.618	254.149	253.755	0.394	6.150	253.965	-3.00	254.149	6.881	253.610	-0.355		
6.465	252.805	-0.146		6.150	252.848	-3.00	310.000	253.133	252.540	0.593	6.150	252.848	-3.00	253.133	6.331	252.828	-0.120		
6.422	251.270	-0.182		6.150	251.452	-3.00	311.000	251.636	251.153	0.483	6.150	251.452	-3.00	251.636	6.235	251.382	-0.070		
6.629	249.656	-0.339		6.150	249.955	-3.00	312.000	250.140	249.676	0.464	6.150	249.955	-3.00	250.140	6.334	250.140	0.185		
6.173	248.482	0.023		6.150	248.459	-3.00	313.000	248.643	248.411	0.232	6.150	248.459	-3.00	248.643	6.247	248.556	0.097		
6.275	247.087	0.125		6.150	246.962	-3.00	314.000	247.147	247.062	0.085	6.150	246.962	-3.00	247.147	6.596	247.409	0.417		
6.158	245.461	-0.005		6.150	245.466	-3.00	315.000	245.650	245.336	0.314	6.150	245.466	-3.00	245.650	6.823	246.139	0.673		
6.708	243.997	-0.372		6.150	243.969	-3.00	316.000	244.154	243.522	0.632	6.150	243.969	-3.00	244.154	7.132	244.951	0.982		
7.404	241.637	-0.886		6.150	242.473	-3.00	317.000	242.657	241.564	1.093	6.150	242.473	-3.00	242.657	6.889	242.512	0.019		
6.765	240.870	-0.410		6.150	241.280	-3.00	317+15.918	241.465	240.398	1.067	6.150	241.280	-3.00	241.465	7.168	242.399	1.019		
7.006	240.409	-0.570		6.150	240.979	-3.00	318.000	241.164	239.805	1.359	6.150	240.979	-3.00	241.164	6.995	241.824	0.845		
7.153	238.907	-0.668		6.150	239.575	-3.00	319.000	239.760	238.581	1.179	6.150	239.575	-3.00	239.760	6.346	239.445	-0.130		
7.654	237.300	-1.008		6.150	238.303	-3.00	320.000	238.487	237.018	1.469	6.150	238.303	-3.00	238.487	6.164	238.295	-0.008		
7.499	236.262	-0.900		6.150	237.162	-3.00	321.000	237.346	236.020	1.326	6.150	237.162	-3.00	237.346	6.915	236.651	-0.511		
7.418	235.207	-0.846		6.150	236.152	-3.00	322.000	236.397	234.976	1.361	6.150	236.152	-3.00	236.397	7.248	235.230	-0.931		
7.044	234.678	-0.586		6.150	235.274	-3.00	323.000	235.459	234.413	1.046	6.150	235.274	-3.00	235.459	8.422	233.759	-1.515		
6.817	234.083	-0.445		6.150	234.528	-3.00	324.000	234.712	233.902	0.810	6.150	234.528	-3.00	234.712	8.757	232.789	-1.739		
6.642	233.699	-0.328		6.150	234.027	-3.00	324+15.918	234.211	233.722	0.489	6.150	234.027	-3.00	234.211	8.877	232.209	-1.818		
6.346	233.780	-0.130		6.150	233.910	-3.00	325.000	234.094	233.614	0.480	6.150	233.910	-3.00	234.094	8.392	232.482	-1.428		
6.241	233.273	-0.061		6.150	233.334	-3.00	326.000	233.518	233.156	0.362	6.150	233.334	-3.00	233.518	6.889	232.894	-0.440		
6.240	232.848	0.090		6.150	232.758	-3.00	327.000	232.913	232.728	0.215	6.150	232.758	-3.00	232.913	8.416	232.477	-1.511		
6.597	232.629	0.447		6.150	232.182	-3.00	328.000	232.367	232.354	0.013	6.150	232.182	-3.00	232.367	7.502	231.261	-0.901		



HASH: 76c1a2a1010d8eb12da5c669e1200c91db3319821d872505509d90b47e. Documento assinado digitalmente, válido em https://aquisicoes.sspag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUMN-HB79. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025. HELIO MARQUES DE ARRUDA em 03/02/2025. DEVARLEY JOAO DOS SANTOS SOUZA em 03/02/2025. RAFAEL DEL GROSSI SOARES em 03/02/2025. LUANA DOS SANTOS VIANA em 03/02/2025. Juniado em 25/02/2026 15:31:21 por AMANDA ARAUJO.



Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)
6.520	231.976	0.370						6.150	231.606	-3.00						6.150	231.606	-3.00		7.417	230.762	-0.844	
6.615	231.495	0.465						6.150	231.030	-3.00						6.150	231.030	-3.00		6.976	230.746	-0.284	
7.008	231.312	0.858						6.150	230.454	-3.00						6.150	230.454	-3.00		6.870	229.974	-0.480	
7.253	230.982	1.104						6.150	229.878	-3.00						6.150	229.878	-3.00		6.215	229.944	0.066	
7.335	230.487	1.185						6.150	229.302	-3.00						6.150	229.302	-3.00		6.566	229.719	0.417	
7.271	229.817	1.120						6.150	228.727	-3.00						6.150	228.727	-3.00		6.244	228.821	0.094	
7.096	229.056	0.905						6.150	228.151	-3.00						6.150	228.151	-3.00		7.955	228.947	-1.204	
7.153	228.578	1.003						6.150	227.575	-3.00						6.150	227.575	-3.00		7.174	228.892	-0.683	
7.242	228.111	1.112						6.150	226.999	-3.00						6.150	226.999	-3.00		6.333	227.202	0.208	
7.271	227.544	1.121						6.150	226.423	-3.00						6.150	226.423	-3.00		6.468	226.741	0.318	
6.542	226.239	0.932						6.150	225.847	-3.00						6.150	225.847	-3.00		7.092	226.749	0.902	
6.210	225.330	0.059						6.150	225.271	-3.00						6.150	225.271	-3.00		6.639	225.760	0.489	
6.220	224.848	-0.047						6.150	224.695	-3.00						6.150	224.695	-3.00		6.294	224.839	0.144	
6.528	223.867	-0.252						6.150	224.119	-3.00						6.150	224.119	-3.00		7.009	223.547	-0.572	
7.024	222.961	-0.582						6.150	223.543	-3.00						6.150	223.543	-3.00		7.917	222.865	-1.178	
6.852	222.499	-0.468						6.150	222.867	-3.00						6.150	222.867	-3.00		8.375	221.484	-1.483	
7.192	221.696	-0.695						6.150	222.391	-3.00						6.150	222.391	-3.00		8.150	221.031	-1.360	
7.149	221.149	-0.666						6.150	221.815	-3.00						6.150	221.815	-3.00		8.466	220.271	-1.544	
6.792	220.811	-0.428						6.150	221.239	-3.00						6.150	221.239	-3.00		8.999	219.340	-1.899	
6.575	220.567	-0.265						6.150	220.850	-3.00						6.150	220.850	-3.00		8.404	219.293	-1.557	
7.059	220.057	-0.607						6.150	220.264	-3.00						6.150	220.264	-3.00		8.599	219.031	-1.633	
7.121	219.615	-0.647						6.150	220.262	-3.00						6.150	220.262	-3.00		8.700	218.522	-1.740	
7.290	219.327	-0.761						6.150	220.088	-3.00						6.150	220.088	-3.00		8.404	218.585	-1.503	
7.383	218.853	-0.822						6.150	219.675	-3.00						6.150	219.675	-3.00		8.003	218.440	-1.235	
6.038	218.253	-1.299						6.150	219.512	-3.00						6.150	219.512	-3.00		8.009	218.272	-1.240	
6.767	218.525	-0.411						6.150	218.936	-3.00						6.150	218.936	-3.00		7.801	217.835	-1.101	
6.692	217.998	-0.382						6.150	218.360	-3.00						6.150	218.360	-3.00		7.703	217.325	-1.035	
6.270	217.704	-0.080						6.150	217.784	-3.00						6.150	217.784	-3.00		7.675	216.767	-1.017	
6.302	217.380	0.152						6.150	217.208	-3.00						6.150	217.208	-3.00		6.840	216.768	-0.440	
6.268	216.750	0.118						6.150	216.632	-3.00						6.150	216.632	-3.00		6.440	216.438	-0.194	
6.348	216.234	0.198						6.150	216.096	-3.00						6.150	216.096	-3.00		6.312	215.948	-0.108	
6.619	215.949	0.469						6.150	215.480	-3.00						6.150	215.480	-3.00		6.102	215.523	0.043	
6.642	215.397	0.493						6.150	214.904	-3.00						6.150	214.904	-3.00		6.203	214.956	0.054	
6.362	214.540	0.212						6.150	214.328	-3.00						6.150	214.328	-3.00		6.183	214.362	0.034	
6.252	213.685	-0.067						6.150	213.752	-3.00						6.150	213.752	-3.00		6.460	213.546	-0.206	
6.396	213.013	-0.168						6.150	213.176	-3.00						6.150	213.176	-3.00		6.773	212.761	-0.415	
6.737	212.209	-0.382						6.150	212.601	-3.00						6.150	212.601	-3.00		7.421	211.753	-0.848	
6.849	211.558	-0.467						6.150	212.025	-3.00						6.150	212.025	-3.00		7.539	211.099	-0.926	



Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Banqueta				Bordo				Cota Vermelha				Banqueta				Bordo				Cota Vermelha			
Altura (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)
Offset	Altura (m)	Cota (m)	Alst. (m)	Offset	Altura (m)	Cota (m)	Alst. (m)	Offset	Altura (m)	Cota (m)	Alst. (m)	Offset	Altura (m)	Cota (m)	Alst. (m)	Offset	Altura (m)	Cota (m)	Alst. (m)	Offset	Altura (m)	Cota (m)	Alst. (m)
	7.019	210.869	-0.580		7.019	210.869	-0.580		7.019	210.869	-0.580		7.019	210.869	-0.580		7.019	210.869	-0.580		7.019	210.869	-0.580
	7.021	210.852	-0.582		7.021	210.852	-0.582		7.021	210.852	-0.582		7.021	210.852	-0.582		7.021	210.852	-0.582		7.021	210.852	-0.582
	7.109	210.274	-0.639		7.109	210.274	-0.639		7.109	210.274	-0.639		7.109	210.274	-0.639		7.109	210.274	-0.639		7.109	210.274	-0.639
	7.030	209.878	-0.586		7.030	209.878	-0.586		7.030	209.878	-0.586		7.030	209.878	-0.586		7.030	209.878	-0.586		7.030	209.878	-0.586
	7.148	209.436	-0.666		7.148	209.436	-0.666		7.148	209.436	-0.666		7.148	209.436	-0.666		7.148	209.436	-0.666		7.148	209.436	-0.666
	7.209	209.117	-0.706		7.209	209.117	-0.706		7.209	209.117	-0.706		7.209	209.117	-0.706		7.209	209.117	-0.706		7.209	209.117	-0.706
	7.064	209.023	-0.609		7.064	209.023	-0.609		7.064	209.023	-0.609		7.064	209.023	-0.609		7.064	209.023	-0.609		7.064	209.023	-0.609
	7.109	208.887	-0.640		7.109	208.887	-0.640		7.109	208.887	-0.640		7.109	208.887	-0.640		7.109	208.887	-0.640		7.109	208.887	-0.640
	7.000	208.937	-0.567		7.000	208.937	-0.567		7.000	208.937	-0.567		7.000	208.937	-0.567		7.000	208.937	-0.567		7.000	208.937	-0.567
	7.032	208.919	-0.588		7.032	208.919	-0.588		7.032	208.919	-0.588		7.032	208.919	-0.588		7.032	208.919	-0.588		7.032	208.919	-0.588
	7.110	208.933	-0.641		7.110	208.933	-0.641		7.110	208.933	-0.641		7.110	208.933	-0.641		7.110	208.933	-0.641		7.110	208.933	-0.641
	7.409	208.887	-0.839		7.409	208.887	-0.839		7.409	208.887	-0.839		7.409	208.887	-0.839		7.409	208.887	-0.839		7.409	208.887	-0.839
	7.870	208.818	-1.147		7.870	208.818	-1.147		7.870	208.818	-1.147		7.870	208.818	-1.147		7.870	208.818	-1.147		7.870	208.818	-1.147
	7.735	209.232	-1.057		7.735	209.232	-1.057		7.735	209.232	-1.057		7.735	209.232	-1.057		7.735	209.232	-1.057		7.735	209.232	-1.057
	7.613	209.724	-0.975		7.613	209.724	-0.975		7.613	209.724	-0.975		7.613	209.724	-0.975		7.613	209.724	-0.975		7.613	209.724	-0.975
	7.117	210.551	-0.646		7.117	210.551	-0.646		7.117	210.551	-0.646		7.117	210.551	-0.646		7.117	210.551	-0.646		7.117	210.551	-0.646
	6.306	211.674	-0.104		6.306	211.674	-0.104		6.306	211.674	-0.104		6.306	211.674	-0.104		6.306	211.674	-0.104		6.306	211.674	-0.104
	6.748	213.044	0.588		6.748	213.044	0.588		6.748	213.044	0.588		6.748	213.044	0.588		6.748	213.044	0.588		6.748	213.044	0.588
	6.754	213.070	0.604		6.754	213.070	0.604		6.754	213.070	0.604		6.754	213.070	0.604		6.754	213.070	0.604		6.754	213.070	0.604
	6.767	213.122	0.617		6.767	213.122	0.617		6.767	213.122	0.617		6.767	213.122	0.617		6.767	213.122	0.617		6.767	213.122	0.617
	6.695	213.705	0.545		6.695	213.705	0.545		6.695	213.705	0.545		6.695	213.705	0.545		6.695	213.705	0.545		6.695	213.705	0.545
	7.388	215.112	1.239		7.388	215.112	1.239		7.388	215.112	1.239		7.388	215.112	1.239		7.388	215.112	1.239		7.388	215.112	1.239
	7.820	216.257	1.670		7.820	216.257	1.670		7.820	216.257	1.670		7.820	216.257	1.670		7.820	216.257	1.670		7.820	216.257	1.670
	7.603	216.753	1.452		7.603	216.753	1.452		7.603	216.753	1.452		7.603	216.753	1.452		7.603	216.753	1.452		7.603	216.753	1.452
	7.549	216.862	1.399		7.549	216.862	1.399		7.549	216.862	1.399		7.549	216.862	1.399		7.549	216.862	1.399		7.549	216.862	1.399
	7.708	217.537	1.558		7.708	217.537	1.558		7.708	217.537	1.558		7.708	217.537	1.558		7.708	217.537	1.558		7.708	217.537	1.558
	7.339	217.731	1.189		7.339	217.731	1.189		7.339	217.731	1.189		7.339	217.731	1.189		7.339	217.731	1.189		7.339	217.731	1.189
	7.840	218.677	1.690		7.840	218.677	1.690		7.840	218.677	1.690		7.840	218.677	1.690		7.840	218.677	1.690		7.840	218.677	1.690
	8.354	219.517	2.203		8.354	219.517	2.203		8.354	219.517	2.203		8.354	219.517	2.203		8.354	219.517	2.203		8.354	219.517	2.203
	8.332	219.704	2.182		8.332	219.704	2.182		8.332	219.704	2.182		8.332	219.704	2.182		8.332	219.704	2.182		8.332	219.704	2.182
	8.333	219.995	2.383		8.333	219.995	2.383		8.333	219.995	2.383		8.333	219.995	2.383		8.333	219.995	2.383		8.333	219.995	2.383
	8.441	219.907	2.291		8.441	219.907	2.291		8.441	219.907	2.291		8.441	219.907	2.291		8.441	219.907	2.291		8.441	219.907	2.291
	8.121	219.555	1.971		8.121	219.555	1.971		8.121	219.555	1.971		8.121	219.555	1.971		8.121	219.555	1.971		8.121	219.555	1.971
	7.543	218.830	1.393		7.543	218.830	1.393		7.543	218.830	1.393		7.543	218.830	1.393		7.543	218.830	1.393		7.543	218.830	1.393
	7.226	218.248	1.076		7.226	218.248	1.076		7.226	218.248	1.076		7.226	218.248	1.076		7.226	218.248	1.076		7.226	218.248	1.076
	6.252	216.891	0.102		6.252	216.891	0.102		6.252	216.891	0.102		6.252	216.891	0.102		6.252	216.891	0.102		6.252	216.891	0.102
	6.238	216.627	-0.099		6.238	216.627	-0.099		6.238	216.627	-0.099		6.238	216.627	-0.099		6.238	216.627	-0.099		6.238	216.627	-0.099
	6.787	215.899	-0.428		6.787	215.899	-0.428		6.787	215.899	-0.428		6.787	215.899	-0.428		6.787	215.899	-0.428		6.787	215.899	-0.428



Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Banqueta					Bordo					Banqueta					Bordo				
Altura (m)	Cota (m)	Alisat. (m)	Cota (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Cota (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Cota (m)	Ind. (%)	Altura (m)	Cota (m)	Alisat. (m)	Cota (m)	Ind. (%)
7,441	214,993	-0,861			6,150	215,854	-3,00			9,807	213,683	-2,171			9,807	213,683	-2,171		
7,461	214,919	-0,874			6,150	215,793	-3,00			9,826	213,543	-2,250			9,826	213,543	-2,250		
7,610	214,468	-0,974			6,150	215,442	-3,00			9,983	212,913	-2,529			9,983	212,913	-2,529		
7,849	214,044	-1,133			6,150	215,177	-3,00			11,012	211,936	-3,241			11,012	211,936	-3,241		
9,045	213,132	-1,930			6,150	215,062	-3,00			12,063	211,120	-3,942			12,063	211,120	-3,942		
9,125	213,073	-1,988			6,150	215,056	-3,00			11,655	211,386	-3,670			11,655	211,386	-3,670		
9,018	213,181	-1,972			6,150	215,095	-3,00			10,925	211,972	-3,183			10,925	211,972	-3,183		
9,157	213,274	-2,004			6,150	215,278	-3,00			9,868	211,333	-1,945			9,868	211,333	-1,945		
9,185	213,587	-2,034			6,150	215,611	-3,00			9,808	211,572	-2,030			9,808	211,572	-2,030		
8,404	214,589	-1,508			6,150	216,092	-3,00			8,553	214,081	-1,601			8,553	214,081	-1,601		
7,302	215,955	-0,768			6,150	216,773	-3,00			9,970	214,710	-2,011			9,970	214,710	-2,011		
6,413	217,328	-0,175			6,150	217,503	-3,00			9,462	215,302	-2,201			9,462	215,302	-2,201		
6,898	219,180	0,747			6,150	218,433	-3,00			8,615	216,790	-1,643			8,615	216,790	-1,643		
6,929	219,344	0,780			6,150	218,564	-3,00			7,825	217,447	-1,117			7,825	217,447	-1,117		
7,108	220,413	0,958			6,150	219,455	-3,00			7,381	220,585	-1,130			7,381	220,585	-1,130		
6,803	220,981	0,654			6,150	220,307	-3,00			7,350	221,407	-1,100			7,350	221,407	-1,100		
6,861	221,189	0,711			6,150	220,478	-3,00			7,267	221,595	-1,117			7,267	221,595	-1,117		
6,969	221,379	0,759			6,150	220,620	-3,00			7,282	221,751	-1,131			7,282	221,751	-1,131		
6,800	222,029	0,650			6,150	221,379	-3,00			7,437	222,667	-1,288			7,437	222,667	-1,288		
6,811	222,114	0,661			6,150	221,453	-3,00			7,440	222,790	-1,297			7,440	222,790	-1,297		
7,426	223,575	1,275			6,150	222,300	-3,00			7,323	223,472	-1,172			7,323	223,472	-1,172		
7,427	223,580	1,276			6,150	222,304	-3,00			7,321	223,475	-1,171			7,321	223,475	-1,171		
7,675	224,541	1,525			6,150	223,016	-3,00			7,522	224,388	-1,372			7,522	224,388	-1,372		
7,685	225,138	1,536			6,150	223,602	-3,00			7,374	224,826	-1,224			7,374	224,826	-1,224		
7,618	225,527	1,468			6,150	224,059	-3,00			7,142	225,051	-0,992			7,142	225,051	-0,992		
7,107	225,342	0,957			6,150	224,385	-3,00			6,813	225,048	-0,663			6,813	225,048	-0,663		
6,855	225,286	0,705			6,150	224,581	-3,00			6,475	224,906	-0,325			6,475	224,906	-0,325		
7,136	225,634	0,986			6,150	224,648	-3,00			6,165	224,663	-0,015			6,165	224,663	-0,015		
7,130	225,628	0,980			6,150	224,648	-3,00			6,168	224,661	-0,013			6,168	224,661	-0,013		
6,335	224,769	0,185			6,150	224,584	-3,00			6,601	224,283	-0,301			6,601	224,283	-0,301		
6,403	224,644	0,233			6,150	224,391	-3,00			7,118	223,745	-0,646			7,118	223,745	-0,646		
6,449	223,868	-0,189			6,150	224,067	-3,00			7,234	223,344	-0,723			7,234	223,344	-0,723		
6,304	223,748	0,134			6,150	223,614	-3,00			7,480	222,740	-0,874			7,480	222,740	-0,874		
6,485	223,365	0,335			6,150	223,030	-3,00			7,244	222,301	-0,729			7,244	222,301	-0,729		
6,353	222,520	0,203			6,150	222,317	-3,00			6,996	221,752	-0,565			6,996	221,752	-0,565		
6,282	221,385	-0,088			6,150	221,473	-3,00			6,398	221,308	-0,165			6,398	221,308	-0,165		
6,161	221,339	-0,007			6,150	221,346	-3,00			6,389	221,200	-0,146			6,389	221,200	-0,146		
6,508	220,906	0,358			6,150	220,548	-3,00			6,899	220,075	-0,473			6,899	220,075	-0,473		



Nota de Serviço de Terraplenagem																							
Rodovia : MT-339/248												Eixo											
Lado Esquerdo						Lado Direito						Bordo						Banqueta					
Offset		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.578	220.049	0.428																					
6.740	219.285	0.590																					
6.774	218.393	0.624																					
6.984	217.616	0.834																					
7.015	216.780	0.864																					
7.014	215.853	0.864																					
7.066	215.071	0.916																					
7.051	215.002	0.900																					
6.171	213.336	-0.013																					
7.577	211.785	-0.952																					
8.019	211.017	-1.247																					
7.798	210.831	-1.099																					
8.397	210.238	-1.498																					
10.618	208.702	-2.979																					
9.977	205.130	-2.552																					
7.352	210.966	-0.800																					
6.717	211.614	-0.378																					
6.336	212.233	-0.134																					
6.380	212.318	-0.153																					
7.549	214.221	1.399																					
7.163	214.305	1.013																					
7.958	215.469	1.708																					
8.608	216.689	2.458																					
8.896	217.447	2.746																					
8.161	217.182	2.012																					
7.941	217.431	1.791																					
7.700	217.659	1.550																					
7.641	217.761	1.491																					
7.489	217.829	1.339																					
7.164	218.131	1.014																					
7.020	218.564	0.970																					
7.068	219.238	0.918																					
6.798	219.845	0.649																					
6.229	219.669	-0.053																					
7.217	221.564	1.067																					
7.218	222.491	1.168																					
7.235	223.382	1.085																					
6.758	223.790	0.608																					



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direto									
Offset		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Projeto		Cota Terreno		Cota Vermelha		Banqueta		Bordo	
Alim. (m)	Cota (m)	Alim. (m)	Alim. (m)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Alim. (m)	Alim. (m)	Ind. (%)
6.837	224.137	0.887				6.150	223.450	-3.00	457+6.558	PTV	223.635	223.375	0.260	6.150	223.460	-3.00	6.150	223.460	-3.00
7.043	224.978	0.893				6.150	224.085	-3.00	458+0.000		224.270	224.004	0.216	6.150	224.085	-3.00	6.150	224.085	-3.00
7.118	226.020	0.968				6.150	225.052	-3.00	459+0.000		225.236	225.136	0.100	6.150	225.052	-3.00	6.150	225.052	-3.00
6.974	226.842	0.824				6.150	226.018	-3.00	460+0.000		226.202	226.041	0.161	6.150	226.018	-3.00	6.150	226.018	-3.00
7.342	228.176	1.192				6.150	226.984	-3.00	461+0.000		227.189	227.099	0.070	6.150	226.984	-3.00	6.150	226.984	-3.00
7.416	229.217	1.266				6.150	227.951	-3.00	462+0.000		228.135	228.125	0.010	6.150	227.951	-3.00	6.150	227.951	-3.00
7.507	230.274	1.357				6.150	228.917	-3.00	463+0.000		229.101	229.271	-0.170	6.150	228.917	-3.00	6.150	228.917	-3.00
7.339	230.669	1.189				6.150	229.480	-3.00	463+11.653	PCV	228.665	229.855	-0.190	6.150	229.480	-3.00	6.150	229.480	-3.00
7.492	231.207	1.342				6.150	229.865	-3.00	464+0.000		230.049	230.234	-0.185	6.150	229.865	-3.00	6.150	229.865	-3.00
7.329	231.816	1.179				6.150	230.637	-3.00	465+0.000		230.822	231.132	-0.310	6.150	230.637	-3.00	6.150	230.637	-3.00
7.999	233.048	1.849				6.150	231.199	-3.00	466+0.000		231.893	231.813	-0.080	6.150	231.199	-3.00	6.150	231.199	-3.00
7.603	233.002	1.453				6.150	231.549	-3.00	467+0.000		231.733	232.427	-0.694	6.150	231.549	-3.00	6.150	231.549	-3.00
7.471	233.043	1.321				6.150	231.722	-3.00	468+0.000		231.907	232.681	-0.774	6.150	231.722	-3.00	6.150	231.722	-3.00
7.115	232.735	0.966				6.150	231.769	-3.00	468+17.143		231.954	232.449	-0.495	6.150	231.769	-3.00	6.150	231.769	-3.00
7.033	232.651	0.883				6.150	231.768	-3.00	469+0.000		231.953	232.389	-0.436	6.150	231.768	-3.00	6.150	231.768	-3.00
6.753	232.289	0.603				6.150	231.686	-3.00	470+0.000		231.970	231.750	0.120	6.150	231.686	-3.00	6.150	231.686	-3.00
6.410	231.716	0.260				6.150	231.476	-3.00	471+0.000		231.660	231.155	0.505	6.150	231.476	-3.00	6.150	231.476	-3.00
6.446	231.591	0.296				6.150	231.295	-3.00	471+11.653	PTV	231.479	230.731	0.748	6.150	231.295	-3.00	6.150	231.295	-3.00
6.260	231.259	0.110				6.150	231.149	-3.00	472+0.000		231.334	230.465	0.869	6.150	231.149	-3.00	6.150	231.149	-3.00
6.585	230.511	-0.260				6.150	230.801	-3.00	473+0.000		230.985	229.856	1.129	6.150	230.801	-3.00	6.150	230.801	-3.00
7.017	229.874	-0.578				6.150	230.452	-3.00	474+0.000		230.637	229.367	1.270	6.150	230.452	-3.00	6.150	230.452	-3.00
6.819	229.658	-0.446				6.150	230.134	-3.00	475+0.000		230.389	229.023	1.366	6.150	230.134	-3.00	6.150	230.134	-3.00
6.847	229.291	-0.465				6.150	229.756	-3.00	476+0.000		229.940	228.692	1.248	6.150	229.756	-3.00	6.150	229.756	-3.00
6.965	228.750	-0.544				6.150	229.284	-3.00	477+6.529		229.592	228.500	1.072	6.150	229.284	-3.00	6.150	229.284	-3.00
6.975	228.857	-0.550				6.150	229.407	-3.00	477+0.000		229.592	228.500	1.072	6.150	229.407	-3.00	6.150	229.407	-3.00
7.022	228.485	-0.581				6.150	229.066	-3.00	477+18.703	PC	229.251	228.654	0.597	6.150	229.066	-3.00	6.150	229.066	-3.00
6.983	228.485	-0.555				6.150	229.040	-3.00	478+0.000		229.225	228.643	0.582	6.150	229.040	-3.00	6.150	229.040	-3.00
6.612	229.056	0.462				6.150	228.594	-3.00	479+0.000		228.779	228.497	0.282	6.150	228.594	-3.00	6.150	228.594	-3.00
7.588	229.504	1.438				6.150	228.666	-3.00	480+0.000		228.250	228.533	-0.283	6.150	228.666	-3.00	6.150	228.666	-3.00
7.991	229.322	1.841				6.150	227.481	-3.00	480+19.188		227.665	228.358	-0.693	6.150	227.481	-3.00	6.150	227.665	-3.00
8.003	229.307	1.853				6.150	227.454	-3.00	481+0.000		227.639	228.347	-0.708	6.150	227.454	-3.00	6.150	227.639	-3.00
8.497	229.107	2.347				6.150	226.760	-3.00	482+0.000		226.944	227.803	-0.859	6.150	226.760	-3.00	6.150	226.944	-3.00
7.708	227.940	1.558				6.150	225.982	-3.00	483+0.000		226.167	227.012	-0.845	6.150	225.982	-3.00	6.150	226.167	-3.00
8.518	227.505	2.368				6.150	225.137	-3.00	483+19.673	PT	225.321	226.184	-0.863	6.150	225.137	-3.00	6.150	225.321	-3.00
8.511	227.483	2.361				6.150	225.122	-3.00	484+0.000		225.306	226.164	-0.858	6.150	225.122	-3.00	6.150	225.306	-3.00
8.189	226.218	2.040				6.150	224.178	-3.00	485+0.000		224.583	224.921	-0.338	6.150	224.178	-3.00	6.150	224.583	-3.00
7.872	225.574	1.721				6.150	223.853	-3.00	485+5.529		224.037	224.407	-0.370	6.150	223.853	-3.00	6.150	224.037	-3.00
8.013	226.034	1.863				6.150	223.171	-3.00	486+0.000		223.555	223.621	-0.066	6.150	223.171	-3.00	6.150	223.555	-3.00



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Banqueta				Bordo				Cota Vermelha				Banqueta				Bordo				Cota Vermelha			
Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)
7.730	223.739	1.580		6.150	222.159	-3.00	487+0.000		222.144	-0.093	222.437	6.150	222.159	-3.00	487+0.000		222.144	-0.093	222.437	6.150	222.159	-3.00	487+0.000
6.972	221.969	0.822		6.150	221.147	-3.00	488+0.000		221.332	0.094	221.248	6.150	221.147	-3.00	488+0.000		221.332	0.094	221.248	6.150	221.147	-3.00	488+0.000
6.805	220.866	0.655		6.150	220.211	-3.00	488+18.497		220.396	0.463	219.933	6.150	220.211	-3.00	488+18.497		220.396	0.463	219.933	6.150	220.211	-3.00	488+18.497
6.711	220.696	0.560		6.150	220.136	-3.00	489+0.000		220.320	0.514	219.806	6.150	220.136	-3.00	489+0.000		220.320	0.514	219.806	6.150	220.136	-3.00	489+0.000
6.785	219.827	0.635		6.150	219.182	-3.00	490+0.000		219.376	1.000	218.376	6.150	219.182	-3.00	490+0.000		219.376	1.000	218.376	6.150	219.182	-3.00	490+0.000
6.251	218.468	0.102		6.150	218.366	-3.00	491+0.000		218.551	1.145	217.406	6.150	218.366	-3.00	491+0.000		218.551	1.145	217.406	6.150	218.366	-3.00	491+0.000
6.755	217.256	-0.408		6.150	217.659	-3.00	492+0.000		217.844	1.181	216.663	6.150	217.659	-3.00	492+0.000		217.844	1.181	216.663	6.150	217.659	-3.00	492+0.000
6.896	216.573	-0.497		6.150	217.070	-3.00	493+0.000		217.235	1.119	216.136	6.150	217.070	-3.00	493+0.000		217.235	1.119	216.136	6.150	217.070	-3.00	493+0.000
7.441	215.739	-0.860		6.150	216.599	-3.00	494+0.000		216.794	1.125	215.659	6.150	216.599	-3.00	494+0.000		216.794	1.125	215.659	6.150	216.599	-3.00	494+0.000
7.545	215.365	-0.931		6.150	216.296	-3.00	494+16.795	TS	216.480	0.954	215.526	6.150	216.296	-3.00	494+16.795	TS	216.480	0.954	215.526	6.150	216.296	-3.00	494+16.795
7.576	215.296	-0.951		6.150	216.247	-3.00	495+0.000		216.432	0.981	215.471	6.150	216.247	-3.00	495+0.000		216.432	0.981	215.471	6.150	216.247	-3.00	495+0.000
8.394	214.531	-1.486		6.150	216.027	-3.00	495+18.497	PTV	216.211	1.183	215.183	6.150	216.027	-3.00	495+18.497	PTV	216.211	1.183	215.183	6.150	216.027	-3.00	495+18.497
8.513	214.437	-1.576		6.150	216.013	-3.00	496+0.000		216.197	1.034	215.163	6.150	216.013	-3.00	496+0.000		216.197	1.034	215.163	6.150	216.013	-3.00	496+0.000
9.702	213.509	-2.368		6.150	215.877	-3.00	496+14.795		216.081	1.121	214.940	6.150	215.877	-3.00	496+14.795		216.081	1.121	214.940	6.150	215.877	-3.00	496+14.795
9.856	213.412	-2.470		6.150	215.882	-3.00	497+0.000		216.034	1.165	214.849	6.150	215.882	-3.00	497+0.000		216.034	1.165	214.849	6.150	215.882	-3.00	497+0.000
8.769	214.150	-1.746		6.150	215.896	0.00	497+12.795		215.896	1.120	214.776	6.150	215.896	0.00	497+12.795		215.896	1.120	214.776	6.150	215.896	0.00	497+12.795
8.159	214.564	-1.340		6.150	215.904	1.20	498+0.000		215.830	1.082	214.748	6.150	215.904	1.20	498+0.000		215.830	1.082	214.748	6.150	215.904	1.20	498+0.000
7.836	214.791	-1.124		6.150	215.915	3.00	498+10.795		215.731	0.988	214.743	6.150	215.915	3.00	498+10.795		215.731	0.988	214.743	6.150	215.915	3.00	498+10.795
7.689	214.896	-1.026		6.150	215.922	4.00	498+16.795	SC	215.676	1.103	214.573	6.150	215.922	4.00	498+16.795	SC	215.676	1.103	214.573	6.150	215.922	4.00	498+16.795
7.514	214.983	-0.909		6.150	215.992	4.00	499+0.000		215.646	1.082	214.564	6.150	215.992	4.00	499+0.000		215.646	1.082	214.564	6.150	215.992	4.00	499+0.000
7.016	215.131	-0.577		6.150	215.708	4.00	500+0.000		215.462	0.887	214.775	6.150	215.708	4.00	500+0.000		215.462	0.887	214.775	6.150	215.708	4.00	500+0.000
6.755	215.121	-0.404		6.150	215.525	4.00	501+0.000		215.279	0.849	214.819	6.150	215.525	4.00	501+0.000		215.279	0.849	214.819	6.150	215.525	4.00	501+0.000
6.707	214.969	-0.372		6.150	215.341	4.00	502+0.000		215.095	0.776	214.719	6.150	215.341	4.00	502+0.000		215.095	0.776	214.719	6.150	215.341	4.00	502+0.000
6.763	214.831	-0.408		6.150	215.239	4.00	502+11.941		214.993	0.874	214.519	6.150	215.239	4.00	502+11.941		214.993	0.874	214.519	6.150	215.239	4.00	502+11.941
6.842	214.684	-0.461		6.150	215.145	4.00	503+0.000		214.699	0.952	214.347	6.150	215.145	4.00	503+0.000		214.699	0.952	214.347	6.150	215.145	4.00	503+0.000
6.330	214.950	-0.120		6.150	215.070	4.00	503+5.927		214.824	0.603	214.221	6.150	215.070	4.00	503+5.927		214.824	0.603	214.221	6.150	215.070	4.00	503+5.927
6.415	214.672	-0.177		6.150	214.849	4.00	504+0.000		214.603	0.702	213.901	6.150	214.849	4.00	504+0.000		214.603	0.702	213.901	6.150	214.849	4.00	504+0.000
6.531	214.180	-0.254		6.150	214.434	4.00	505+0.000		214.188	0.778	213.410	6.150	214.434	4.00	505+0.000		214.188	0.778	213.410	6.150	214.434	4.00	505+0.000
6.653	213.565	-0.336		6.150	213.801	4.00	506+0.000		213.655	0.696	212.959	6.150	213.801	4.00	506+0.000		213.655	0.696	212.959	6.150	213.801	4.00	506+0.000
6.327	213.131	-0.118		6.150	213.249	4.00	507+0.000		213.003	0.490	212.513	6.150	213.249	4.00	507+0.000		213.003	0.490	212.513	6.150	213.249	4.00	507+0.000
6.374	212.930	-0.149		6.150	212.679	4.00	507+15.960	CS	212.433	0.865	212.068	6.150	212.679	4.00	507+15.960	CS	212.433	0.865	212.068	6.150	212.679	4.00	507+15.960
6.417	212.250	-0.177		6.150	212.427	3.18	508+0.000		212.232	0.307	211.925	6.150	212.427	3.18	508+0.000		212.232	0.307	211.925	6.150	212.427	3.18	508+0.000
6.426	212.189	-0.183		6.150	212.372	3.00	508+1.960		212.188	0.294	211.894	6.150	212.372	3.00	508+1.960		212.188	0.294	211.894	6.150	212.372	3.00	508+1.960
6.178	211.415	0.028		6.150	211.387	0.00	508+19.960		211.387	0.237	211.150	6.150	211.387	0.00	508+19.960		211.387	0.237	211.150	6.150	211.387	0.00	508+19.960
6.189	211.372	0.039		6.150	211.333	-0.16	509+0.000		211.343	0.116	211.116	6.150	211.333	-0.16	509+0.000		211.343	0.116	211.116	6.150	211.333	-0.16	509+0.000
6.554	210.710	0.404		6.150	210.306	-3.00	509+17.960		210.490	0.171	210.319	6.150	210.306	-3.00	509+17.960		210.490	0.171	210.319	6.150	210.306	-3.00	509+17.960
6.555	210.555	0.405		6.150	210.150	-3.00	510+0.000		210.335	0.173	210.162	6.150	210.150	-3.00	510+0.000		210.335	0.173	210.162	6.150	210.150	-3.00	510+0.000
6.245	209.684	0.095		6.150	209.543	-3.00	510+11.941	PTV	209.728	0.136	209.592	6.150	209.543	-3.00	510+11.941	PTV	209.728	0.136	209.592	6.150	209.543	-3.00	510+11.941



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offet		Banqueta		Bordo		Cota Vermelha		Pontos Verticais		Banqueta		Bordo		Cota Vermelha		Pontos Verticais		Offet	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.448	209.334	0.298		6.150	209.036	-3.00	511+0.000			6.150	209.036	-3.00	511+0.000	0.195	209.036	-3.00		6.430	209.316
6.471	208.504	0.321		6.150	208.183	-3.00	511+15.060			6.150	208.183	-3.00	511+15.060	0.120	208.183	-3.00		6.516	208.549
6.280	200.033	0.130		6.150	207.903	-3.00	512+0.000		ST	6.150	207.903	-3.00	512+0.000	0.300	207.903	-3.00		6.327	208.080
6.270	206.690	-0.080		6.150	206.770	-3.00	513+0.000			6.150	206.770	-3.00	513+0.000	0.330	206.770	-3.00		6.421	206.590
6.378	205.865	0.228		6.150	205.637	-3.00	514+0.000			6.150	205.637	-3.00	514+0.000	0.510	205.637	-3.00		6.226	205.587
6.546	204.901	0.396		6.150	204.505	-3.00	515+0.000			6.150	204.505	-3.00	515+0.000	0.360	204.505	-3.00		6.548	204.903
6.402	203.624	0.252		6.150	203.372	-3.00	516+0.000			6.150	203.372	-3.00	516+0.000	0.512	203.372	-3.00		6.405	203.169
6.163	202.230	-0.009		6.150	202.239	-3.00	517+0.000			6.150	202.239	-3.00	517+0.000	0.566	202.239	-3.00		6.735	201.849
6.288	201.473	-0.082		6.150	201.565	-3.00	517+11.899		PCV	6.150	201.565	-3.00	517+11.899	0.662	201.565	-3.00		7.058	200.960
6.354	200.980	-0.136		6.150	201.116	-3.00	518+0.000			6.150	201.116	-3.00	518+0.000	0.742	201.116	-3.00		7.097	200.485
6.570	199.808	-0.280		6.150	200.088	-3.00	519+0.000			6.150	200.088	-3.00	519+0.000	1.089	200.088	-3.00		7.590	199.155
6.607	198.870	-0.305		6.150	199.175	-3.00	520+0.000			6.150	199.175	-3.00	520+0.000	1.077	199.175	-3.00		8.221	197.794
7.567	197.433	-0.944		6.150	198.377	-3.00	521+0.000			6.150	198.377	-3.00	521+0.000	1.195	198.377	-3.00		7.834	197.254
8.415	196.185	-1.530		6.150	197.695	-3.00	522+0.000			6.150	197.695	-3.00	522+0.000	1.315	197.695	-3.00		9.382	195.620
8.418	195.616	-1.512		6.150	197.128	-3.00	523+0.000			6.150	197.128	-3.00	523+0.000	1.160	197.128	-3.00		8.378	195.642
9.634	194.353	-2.323		6.150	196.676	-3.00	524+0.000			6.150	196.676	-3.00	524+0.000	1.206	196.676	-3.00		9.138	194.685
8.279	194.921	-1.439		6.150	196.340	-3.00	525+0.000			6.150	196.340	-3.00	525+0.000	1.246	196.340	-3.00		8.944	194.677
8.468	194.650	-1.546		6.150	196.195	-3.00	525+11.899		PTV	6.150	196.195	-3.00	525+11.899	1.109	196.195	-3.00		8.602	194.500
8.806	194.339	-1.771		6.150	196.110	-3.00	526+0.000			6.150	196.110	-3.00	526+0.000	1.050	196.110	-3.00		8.538	194.518
9.019	193.987	-1.913		6.150	195.900	-3.00	527+0.000			6.150	195.900	-3.00	527+0.000	0.964	195.900	-3.00		7.900	194.733
7.915	194.513	-1.177		6.150	195.690	-3.00	528+0.000			6.150	195.690	-3.00	528+0.000	0.914	195.690	-3.00		6.861	195.216
6.756	195.076	-0.404		6.150	195.480	-3.00	529+0.000			6.150	195.480	-3.00	529+0.000	0.542	195.480	-3.00		6.394	195.344
6.205	195.325	0.055		6.150	195.270	-3.00	530+0.000			6.150	195.270	-3.00	530+0.000	0.045	195.270	-3.00		6.490	195.610
6.865	195.775	0.715		6.150	195.060	-3.00	531+0.000			6.150	195.060	-3.00	531+0.000	-0.219	195.060	-3.00		7.104	196.014
7.102	195.802	0.952		6.150	194.850	-3.00	532+0.000			6.150	194.850	-3.00	532+0.000	-0.847	194.850	-3.00		7.386	196.066
7.214	195.704	1.064		6.150	194.640	-3.00	533+0.000			6.150	194.640	-3.00	533+0.000	-0.794	194.640	-3.00		6.939	195.429
6.874	195.154	0.724		6.150	194.430	-3.00	534+0.000			6.150	194.430	-3.00	534+0.000	-0.527	194.430	-3.00		6.324	194.314
6.187	194.195	-0.025		6.150	194.220	-3.00	535+0.000			6.150	194.220	-3.00	535+0.000	-0.133	194.220	-3.00		6.518	194.588
6.288	194.148	0.138		6.150	194.010	-3.00	536+0.000			6.150	194.010	-3.00	536+0.000	0.181	194.010	-3.00		6.401	194.261
6.379	193.648	-0.152		6.150	193.800	-3.00	537+0.000			6.150	193.800	-3.00	537+0.000	0.419	193.800	-3.00		6.769	193.388
6.799	193.158	-0.432		6.150	193.590	-3.00	538+0.000			6.150	193.590	-3.00	538+0.000	0.867	193.590	-3.00		6.939	193.974
7.815	192.271	-1.109		6.150	193.380	-3.00	539+0.000			6.150	193.380	-3.00	539+0.000	1.060	193.380	-3.00		6.930	193.127
9.520	190.924	-2.247		6.150	193.171	-3.00	540+0.000			6.150	193.171	-3.00	540+0.000	1.342	193.171	-3.00		8.022	191.529
9.546	190.776	-2.264		6.150	193.000	-3.00	540+12.993		PCV	6.150	193.000	-3.00	540+12.993	1.295	193.000	-3.00		8.833	191.252
10.481	190.079	-2.887		6.150	192.966	-3.00	541+0.000			6.150	192.966	-3.00	541+0.000	1.360	192.966	-3.00		10.138	190.308
8.719	191.111	-1.713		6.150	192.824	-3.00	542+0.000			6.150	192.824	-3.00	542+0.000	1.353	192.824	-3.00		10.960	190.017
8.606	191.120	-1.638		6.150	192.758	-3.00	543+0.000			6.150	192.758	-3.00	543+0.000	1.437	192.758	-3.00		10.186	190.067
8.865	190.876	-1.877		6.150	192.753	-3.00	543+7.234			6.150	192.753	-3.00	543+7.234	1.425	192.753	-3.00		10.247	190.021



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Banco												Banco											
Banqueta						Banqueta						Banqueta						Banqueta					
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)
8,616	391,124	-1,644				6,150	192,768	-3,00	544+0+000		192,933	191,542	1,411	6,150	192,768	-3,00	10,553	189,833	-2,935				
8,517	391,278	-1,577				6,150	192,855	-3,00	545+0+000		193,040	191,587	1,453	6,150	192,855	-3,00	10,179	190,169	-2,686				
7,802	391,918	-1,108				6,150	193,019	-3,00	546+0+000		193,204	191,603	1,601	6,150	193,019	-3,00	10,294	190,257	-2,762				
7,409	392,420	-0,839				6,150	193,259	-3,00	547+0+000		193,444	192,086	1,358	6,150	193,259	-3,00	9,941	191,198	-2,061				
7,349	392,777	-0,799				6,150	193,576	-3,00	548+0+000		193,761	192,636	1,125	6,150	193,576	-3,00	7,776	192,492	-1,084				
6,475	393,753	-0,217				6,150	193,970	-3,00	549+0+000		194,154	193,222	0,932	6,150	193,970	-3,00	8,009	192,731	-1,239				
6,170	394,460	0,020				6,150	194,440	-3,00	550+0+000		194,624	193,819	0,805	6,150	194,440	-3,00	7,620	193,460	-0,980				
6,395	395,014	0,245				6,150	194,769	-3,00	550+12,393	PTV	194,954	194,359	0,595	6,150	194,769	-3,00	7,669	193,757	-1,012				
6,424	395,255	0,274				6,150	194,981	-3,00	551+0+000		195,166	194,608	0,467	6,150	194,981	-3,00	7,486	194,090	-0,891				
6,528	395,914	0,378				6,150	195,536	-3,00	552+0+000		195,721	195,616	0,105	6,150	195,536	-3,00	7,373	194,721	-0,815				
6,794	396,736	0,644				6,150	196,092	-3,00	553+0+000		196,277	196,439	-0,162	6,150	196,092	-3,00	6,779	195,679	-0,411				
7,046	397,544	0,896				6,150	196,648	-3,00	554+0+000		196,832	197,054	-0,222	6,150	196,648	-3,00	6,260	196,574	-0,074				
7,967	398,120	0,917				6,150	197,203	-3,00	555+0+000		197,388	197,793	-0,395	6,150	197,203	-3,00	6,363	197,416	0,213				
7,863	398,972	1,213				6,150	197,759	-3,00	556+0+000		197,944	198,358	-0,414	6,150	197,759	-3,00	6,330	197,959	0,200				
6,822	398,986	0,671				6,150	198,315	-3,00	557+0+000		198,499	198,629	-0,130	6,150	198,315	-3,00	6,161	198,236	0,011				
6,682	399,402	0,531				6,150	198,871	-3,00	558+0+000		199,055	198,925	0,130	6,150	198,871	-3,00	6,888	198,512	-0,359				
6,609	399,120	-0,306				6,150	199,426	-3,00	559+0+000		199,611	199,185	0,426	6,150	199,426	-3,00	7,603	198,458	-0,968				
6,846	399,518	-0,464				6,150	199,882	-3,00	560+0+000		200,166	199,424	0,742	6,150	199,882	-3,00	7,944	198,786	-1,196				
6,474	200,322	-0,216				6,150	200,538	-3,00	561+0+000		200,722	199,747	0,975	6,150	200,538	-3,00	8,382	199,116	-1,422				
6,363	200,951	-0,142				6,150	201,093	-3,00	562+0+000		201,278	200,317	0,961	6,150	201,093	-3,00	7,732	200,952	-1,041				
6,176	201,631	-0,018				6,150	201,649	-3,00	563+0+000		201,834	201,049	0,785	6,150	201,649	-3,00	8,063	200,374	-1,275				
6,227	202,154	-0,051				6,150	202,205	-3,00	564+0+000		202,390	201,745	0,644	6,150	202,205	-3,00	7,189	201,512	-0,693				
6,696	203,190	0,546				6,150	202,644	-3,00	564+15,812	PCV	202,829	202,750	0,079	6,150	202,644	-3,00	6,304	202,542	-0,102				
6,949	203,558	0,799				6,150	202,759	-3,00	565+0+000		202,944	203,010	-0,066	6,150	202,759	-3,00	6,249	202,858	0,099				
7,228	204,354	1,079				6,150	203,275	-3,00	566+0+000		203,440	204,189	-0,749	6,150	203,275	-3,00	6,481	203,606	0,311				
7,074	204,659	0,924				6,150	203,735	-3,00	567+0+000		203,920	204,922	-1,002	6,150	203,735	-3,00	6,650	204,235	0,500				
7,415	205,403	1,264				6,150	204,139	-3,00	568+0+000		204,323	205,382	-1,059	6,150	204,139	-3,00	6,899	204,848	0,709				
7,186	205,523	1,036				6,150	204,487	-3,00	569+0+000		204,671	205,452	-0,781	6,150	204,487	-3,00	6,501	204,837	0,350				
6,736	205,364	0,586				6,150	204,778	-3,00	570+0+000		204,963	205,311	-0,348	6,150	204,778	-3,00	6,246	204,873	0,095				
6,276	205,140	0,126				6,150	205,014	-3,00	571+0+000		205,198	205,182	0,016	6,150	205,014	-3,00	6,222	204,966	-0,048				
6,698	204,828	-0,365				6,150	205,193	-3,00	572+0+000		205,378	204,860	0,518	6,150	205,193	-3,00	7,040	204,600	-0,593				
7,126	204,666	-0,651				6,150	205,317	-3,00	573+0+000		205,501	204,827	0,674	6,150	205,317	-3,00	7,630	204,330	-0,987				
7,529	204,465	-0,919				6,150	205,384	-3,00	574+0+000		205,569	204,754	0,815	6,150	205,384	-3,00	8,492	203,823	-1,561				
7,546	204,467	-0,931				6,150	205,398	-3,00	574+14,036		205,582	204,589	0,993	6,150	205,398	-3,00	8,792	203,636	-1,762				
7,536	204,474	-0,924				6,150	205,398	-3,00	574+15,812	PTV	205,582	204,579	1,003	6,150	205,398	-3,00	8,764	203,655	-1,743				
7,511	204,489	-0,908				6,150	205,397	-3,00	575+0+000		205,581	204,553	1,028	6,150	205,397	-3,00	8,740	203,670	-1,727				
8,337	203,934	-1,498				6,150	205,392	-3,00	576+0+000		205,576	204,504	1,072	6,150	205,392	-3,00	9,503	203,157	-2,235				
7,406	204,616	-0,771				6,150	205,387	-3,00	577+0+000		205,571	204,388	1,183	6,150	205,387	-3,00	9,290	203,293	-2,094				



Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Cota Vermelha		Cota Terreno		Cota Projto		Pontos Horizontal		Pontos Vertical		Estaca		Bordo	
Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)	Alst. (m)	Cota (m)
7.161	204.708	-0.674		6.150	205.382	-3.00	578+0.000	205.566	204.460	1.106	6.150	205.382	-3.00	6.150	205.382	-3.00	578+0.000	8.833	203.931
7.295	204.614	-0.768		6.150	205.377	-3.00	579+0.000	205.561	204.522	1.039	6.150	205.377	-3.00	6.150	205.377	-3.00	579+0.000	8.960	203.637
7.112	204.731	-0.641		6.150	205.372	-3.00	580+0.000	205.556	204.626	0.930	6.150	205.372	-3.00	6.150	205.372	-3.00	580+0.000	8.963	203.763
6.947	204.855	-0.532		6.150	205.367	-3.00	581+0.000	205.551	204.647	0.904	6.150	205.367	-3.00	6.150	205.367	-3.00	581+0.000	8.963	203.958
6.426	205.178	-0.184		6.150	205.362	-3.00	582+0.000	205.546	204.823	0.723	6.150	205.362	-3.00	6.150	205.362	-3.00	582+0.000	7.863	204.420
6.591	205.063	-0.294		6.150	205.357	-3.00	583+0.000	205.541	204.960	0.581	6.150	205.357	-3.00	6.150	205.357	-3.00	583+0.000	7.223	204.642
6.380	205.199	-0.158		6.150	205.352	-3.00	584+0.000	205.536	205.051	0.485	6.150	205.352	-3.00	6.150	205.352	-3.00	584+0.000	7.124	204.703
6.302	205.245	-0.102		6.150	205.347	-3.00	585+0.000	205.531	205.162	0.369	6.150	205.347	-3.00	6.150	205.347	-3.00	585+0.000	6.988	204.762
6.244	205.456	0.114		6.150	205.342	-3.00	586+0.000	205.526	205.212	0.314	6.150	205.342	-3.00	6.150	205.342	-3.00	586+0.000	7.036	204.752
6.201	205.388	0.051		6.150	205.337	-3.00	587+0.000	205.521	205.341	0.180	6.150	205.337	-3.00	6.150	205.337	-3.00	587+0.000	6.624	205.021
6.469	205.051	0.319		6.150	205.332	-3.00	588+0.000	205.516	205.345	0.171	6.150	205.332	-3.00	6.150	205.332	-3.00	588+0.000	6.517	205.087
6.455	205.632	0.305		6.150	205.327	-3.00	589+0.000	205.511	205.501	0.010	6.150	205.327	-3.00	6.150	205.327	-3.00	589+0.000	6.528	205.075
6.531	205.703	0.381		6.150	205.322	-3.00	590+0.000	205.506	205.505	0.001	6.150	205.322	-3.00	6.150	205.322	-3.00	590+0.000	6.497	205.130
6.689	205.856	0.539		6.150	205.317	-3.00	591+0.000	205.502	205.556	-0.054	6.150	205.317	-3.00	6.150	205.317	-3.00	591+0.000	6.243	205.255
6.729	205.891	0.579		6.150	205.312	-3.00	592+0.000	205.497	205.647	-0.150	6.150	205.312	-3.00	6.150	205.312	-3.00	592+0.000	6.100	205.352
6.626	205.783	0.476		6.150	205.307	-3.00	593+0.000	205.492	205.673	-0.181	6.150	205.307	-3.00	6.150	205.307	-3.00	593+0.000	6.237	205.394
6.641	205.793	0.491		6.150	205.302	-3.00	594+0.000	205.487	205.699	-0.212	6.150	205.302	-3.00	6.150	205.302	-3.00	594+0.000	6.346	205.172
6.580	205.737	0.440		6.150	205.297	-3.00	595+0.000	205.482	205.698	-0.216	6.150	205.297	-3.00	6.150	205.297	-3.00	595+0.000	6.227	205.246
6.619	205.762	0.470		6.150	205.292	-3.00	596+0.000	205.477	205.627	-0.150	6.150	205.292	-3.00	6.150	205.292	-3.00	596+0.000	6.227	205.369
6.513	205.651	0.364		6.150	205.287	-3.00	597+0.000	205.472	205.561	-0.089	6.150	205.287	-3.00	6.150	205.287	-3.00	597+0.000	6.309	205.341
6.424	205.559	0.274		6.150	205.285	-3.00	597+9.999	205.469	205.572	-0.103	6.150	205.285	-3.00	6.150	205.285	-3.00	597+9.999	6.188	205.323
6.325	205.654	0.174		6.150	205.280	-3.00	598+0.000	205.464	205.456	0.008	6.150	205.280	-3.00	6.150	205.280	-3.00	598+0.000	6.500	205.046
6.207	205.312	0.057		6.150	205.255	-3.00	599+0.000	205.440	205.281	0.159	6.150	205.255	-3.00	6.150	205.255	-3.00	599+0.000	6.520	205.008
6.183	205.244	0.032		6.150	205.212	-3.00	600+0.000	205.396	205.069	0.327	6.150	205.212	-3.00	6.150	205.212	-3.00	600+0.000	6.753	204.810
6.204	205.112	-0.086		6.150	205.148	-3.00	601+0.000	205.338	205.025	0.308	6.150	205.148	-3.00	6.150	205.148	-3.00	601+0.000	6.754	204.638
6.279	204.979	-0.087		6.150	205.066	-3.00	602+0.000	205.240	204.796	0.454	6.150	205.066	-3.00	6.150	205.066	-3.00	602+0.000	6.754	204.663
6.450	204.763	-0.208		6.150	204.964	-3.00	603+0.000	205.148	204.598	0.640	6.150	204.964	-3.00	6.150	204.964	-3.00	603+0.000	6.884	204.474
6.559	204.569	-0.273		6.150	204.842	-3.00	604+0.000	205.027	204.596	0.521	6.150	204.842	-3.00	6.150	204.842	-3.00	604+0.000	6.904	204.340
6.680	204.341	-0.380		6.150	204.701	-3.00	605+0.000	204.886	204.213	0.673	6.150	204.701	-3.00	6.150	204.701	-3.00	605+0.000	6.884	204.212
6.552	204.273	-0.268		6.150	204.541	-3.00	606+0.000	204.725	203.990	0.735	6.150	204.541	-3.00	6.150	204.541	-3.00	606+0.000	6.896	204.044
6.500	204.127	-0.234		6.150	204.361	-3.00	607+0.000	204.456	203.832	0.623	6.150	204.361	-3.00	6.150	204.361	-3.00	607+0.000	6.932	203.853
6.584	203.866	-0.286		6.150	204.162	-3.00	608+0.000	204.146	203.676	0.670	6.150	204.162	-3.00	6.150	204.162	-3.00	608+0.000	6.930	203.655
6.681	203.589	-0.354		6.150	203.943	-3.00	609+0.000	204.128	203.369	0.759	6.150	203.943	-3.00	6.150	203.943	-3.00	609+0.000	6.940	203.410
6.240	203.645	-0.060		6.150	203.705	-3.00	610+0.000	203.890	203.321	0.569	6.150	203.705	-3.00	6.150	203.705	-3.00	610+0.000	6.884	203.349
6.178	203.429	-0.059		6.150	203.448	-3.00	611+0.000	203.632	203.151	0.481	6.150	203.448	-3.00	6.150	203.448	-3.00	611+0.000	6.633	203.126
6.219	203.240	0.069		6.150	203.171	-3.00	612+0.000	203.355	202.785	0.570	6.150	203.171	-3.00	6.150	203.171	-3.00	612+0.000	6.681	202.817
6.216	202.830	-0.046		6.150	202.875	-3.00	613+0.000	203.059	202.582	0.477	6.150	202.875	-3.00	6.150	202.875	-3.00	613+0.000	6.541	202.614
6.339	202.748	0.189		6.150	202.559	-3.00	614+0.000	202.743	202.375	0.368	6.150	202.559	-3.00	6.150	202.559	-3.00	614+0.000	6.530	202.319



HASH: 76c1a2a1010d8eb12da5c669e1200c91db3319821d87250509d90b047e. Documento assinado digitalmente, válido em https://aquisscoes.splag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUMN-HB79. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025, HELIO MARQUES DE ARRUDA em 03/02/2025, RAFAEL DEL GROSSI SOARES em 03/02/2025, LUANA DOS SANTOS VIANA em 03/02/2025, Juniado em 25/02/2026 15:31:21 por AMANDA ARAUJO.



Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Pavimento		Estatu		Ponto		Ponto		Cota		Cota		Cota	
Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Altura (m)
6.730	202.804	0.580		6.150	202.224	-3.00	615+0.000		202.111	0.297	6.150	202.224	-3.00	6.150	202.224	-3.00	6.150	202.224	-3.00
6.232	201.951	0.082		6.150	201.869	-3.00	616+0.000		202.054	0.215	6.150	201.869	-3.00	6.150	201.869	-3.00	6.150	201.869	-3.00
6.651	201.997	0.502		6.150	201.495	-3.00	617+0.000		201.680	0.119	6.150	201.495	-3.00	6.150	201.495	-3.00	6.150	201.495	-3.00
6.607	201.559	0.457		6.150	201.102	-3.00	618+0.000		201.286	0.261	6.150	201.102	-3.00	6.150	201.102	-3.00	6.150	201.102	-3.00
6.605	201.333	0.455		6.150	200.888	-3.00	618+9.999		201.082	0.272	6.150	200.888	-3.00	6.150	200.888	-3.00	6.150	200.888	-3.00
6.605	201.146	0.455		6.150	200.691	-3.00	619+0.000		200.876	0.346	6.150	200.691	-3.00	6.150	200.691	-3.00	6.150	200.691	-3.00
6.568	200.697	0.418		6.150	200.279	-3.00	620+0.000		200.483	0.450	6.150	200.279	-3.00	6.150	200.279	-3.00	6.150	200.279	-3.00
6.296	199.768	-0.098		6.150	199.866	-3.00	621+0.000		200.050	0.546	6.150	199.866	-3.00	6.150	199.866	-3.00	6.150	199.866	-3.00
6.228	199.531	0.078		6.150	199.453	-3.00	622+0.000		199.638	0.406	6.150	199.453	-3.00	6.150	199.453	-3.00	6.150	199.453	-3.00
6.444	198.844	-0.196		6.150	199.040	-3.00	623+0.000		199.225	0.453	6.150	199.040	-3.00	6.150	199.040	-3.00	6.150	199.040	-3.00
6.378	198.855	0.238		6.150	198.627	-3.00	624+0.000		198.812	0.409	6.150	198.627	-3.00	6.150	198.627	-3.00	6.150	198.627	-3.00
6.508	198.573	0.358		6.150	198.215	-3.00	625+0.000		198.399	0.388	6.150	198.215	-3.00	6.150	198.215	-3.00	6.150	198.215	-3.00
6.185	197.837	0.035		6.150	197.802	-3.00	626+0.000		197.586	0.317	6.150	197.802	-3.00	6.150	197.802	-3.00	6.150	197.802	-3.00
6.385	197.624	0.235		6.150	197.389	-3.00	627+0.000		197.173	0.257	6.150	197.389	-3.00	6.150	197.389	-3.00	6.150	197.389	-3.00
6.379	197.498	0.229		6.150	197.269	-3.00	627+5.006		197.133	0.261	6.150	197.269	-3.00	6.150	197.269	-3.00	6.150	197.269	-3.00
6.584	196.678	-0.288		6.150	196.567	-3.00	628+0.000		197.152	0.314	6.150	196.567	-3.00	6.150	196.567	-3.00	6.150	196.567	-3.00
6.365	196.368	-0.144		6.150	196.512	-3.00	629+0.000		196.696	0.566	6.150	196.512	-3.00	6.150	196.512	-3.00	6.150	196.512	-3.00
6.340	196.211	0.210		6.150	196.021	-3.00	630+0.000		196.206	0.570	6.150	196.021	-3.00	6.150	196.021	-3.00	6.150	196.021	-3.00
6.434	195.779	0.284		6.150	195.495	-3.00	631+0.000		195.680	0.444	6.150	195.495	-3.00	6.150	195.495	-3.00	6.150	195.495	-3.00
6.610	195.939	0.459		6.150	194.934	-3.00	632+0.000		195.118	0.802	6.150	194.934	-3.00	6.150	194.934	-3.00	6.150	194.934	-3.00
6.218	194.405	0.068		6.150	194.337	-3.00	633+0.000		194.322	0.135	6.150	194.337	-3.00	6.150	194.337	-3.00	6.150	194.337	-3.00
6.336	193.891	0.186		6.150	193.705	-3.00	634+0.000		193.890	0.109	6.150	193.705	-3.00	6.150	193.705	-3.00	6.150	193.705	-3.00
6.907	193.795	0.757		6.150	193.038	-3.00	635+0.000		193.223	0.103	6.150	193.038	-3.00	6.150	193.038	-3.00	6.150	193.038	-3.00
6.821	193.007	0.671		6.150	192.336	-3.00	636+0.000		192.320	0.299	6.150	192.336	-3.00	6.150	192.336	-3.00	6.150	192.336	-3.00
6.753	192.200	0.602		6.150	191.598	-3.00	637+0.000		191.782	0.163	6.150	191.598	-3.00	6.150	191.598	-3.00	6.150	191.598	-3.00
6.864	192.091	0.714		6.150	191.377	-3.00	637+5.006		191.562	0.236	6.150	191.377	-3.00	6.150	191.377	-3.00	6.150	191.377	-3.00
7.122	191.806	0.972		6.150	190.854	-3.00	638+0.000		191.018	0.388	6.150	190.854	-3.00	6.150	190.854	-3.00	6.150	190.854	-3.00
6.442	190.361	0.293		6.150	190.688	-3.00	639+0.000		190.253	0.317	6.150	190.688	-3.00	6.150	190.688	-3.00	6.150	190.688	-3.00
6.614	189.767	0.464		6.150	189.303	-3.00	640+0.000		188.487	0.383	6.150	189.303	-3.00	6.150	189.303	-3.00	6.150	189.303	-3.00
6.632	189.019	0.482		6.150	188.537	-3.00	641+0.000		188.722	0.237	6.150	188.537	-3.00	6.150	188.537	-3.00	6.150	188.537	-3.00
6.211	187.731	-0.041		6.150	187.772	-3.00	642+0.000		187.596	0.374	6.150	187.772	-3.00	6.150	187.772	-3.00	6.150	187.772	-3.00
6.551	187.407	0.401		6.150	187.006	-3.00	643+0.000		187.190	0.254	6.150	187.006	-3.00	6.150	187.006	-3.00	6.150	187.006	-3.00
6.204	186.294	0.054		6.150	186.240	-3.00	644+0.000		186.025	0.475	6.150	186.240	-3.00	6.150	186.240	-3.00	6.150	186.240	-3.00
6.741	186.065	0.590		6.150	185.475	-3.00	645+0.000		185.659	0.823	6.150	185.475	-3.00	6.150	185.475	-3.00	6.150	185.475	-3.00
7.168	184.031	-0.678		6.150	184.709	-3.00	646+0.000		184.594	0.740	6.150	184.709	-3.00	6.150	184.709	-3.00	6.150	184.709	-3.00
6.431	183.756	-0.188		6.150	183.344	-3.00	647+0.000		184.128	0.598	6.150	183.344	-3.00	6.150	183.344	-3.00	6.150	183.344	-3.00
7.257	182.821	-0.738		6.150	183.359	-3.00	647+10.035		183.744	0.586	6.150	183.359	-3.00	6.150	183.359	-3.00	6.150	183.359	-3.00
7.154	182.750	-0.670		6.150	183.420	-3.00	647+13.680		183.604	0.537	6.150	183.420	-3.00	6.150	183.420	-3.00	6.150	183.420	-3.00



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Bordo					Lado Direito					Bordo				
Offset		Banqueta		Estaca	Pontos		Cota		Cota Vermelha	Banqueta		Estaca	Pontos		Cota		Cota Vermelha	Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)		Horizontal	Vertical	Alim. (m)	Cota (m)		Alim. (m)	Cota (m)		Horizontal	Vertical	Alim. (m)	Cota (m)		Alim. (m)	Cota (m)
6.722	182.801	-0.381					6.150	183.182	-3.00	648+0.000					6.150	183.182	-3.00	6.883	182.760
7.227	181.763	-0.718					6.150	182.481	-3.00	649+0.000					6.150	182.481	-3.00	6.899	182.115
6.654	182.008	-0.336					6.150	182.343	-3.00	649+1.199					6.150	182.343	-3.00	6.863	182.002
6.391	182.000	0.242					6.150	181.858	-3.00	650+0.000					6.150	181.858	-3.00	6.509	181.619
6.460	181.149	-0.207				PT	6.150	181.356	-3.00	650+8.364					6.150	181.356	-3.00	6.592	181.061
6.513	181.073	-0.242					6.150	181.315	-3.00	651+0.000					6.150	181.315	-3.00	6.577	181.030
6.263	180.775	-0.076					6.150	180.850	-3.00	652+0.000					6.150	180.850	-3.00	6.966	180.573
6.612	180.270	-0.308				PTV	6.150	180.578	-3.00	652+13.680					6.150	180.578	-3.00	6.819	180.132
6.775	180.044	-0.416					6.150	180.460	-3.00	653+0.000					6.150	180.460	-3.00	6.889	180.101
6.806	179.651	-0.438					6.150	180.089	-3.00	654+0.000					6.150	180.089	-3.00	6.717	179.711
6.913	179.209	-0.508					6.150	179.717	-3.00	655+0.000					6.150	179.717	-3.00	7.026	179.134
6.599	179.145	-0.289				PCV	6.150	179.444	-3.00	655+14.716					6.150	179.444	-3.00	6.970	178.898
6.620	179.037	-0.313					6.150	179.350	-3.00	656+0.000					6.150	179.350	-3.00	6.884	178.854
6.703	178.689	-0.369					6.150	179.058	-3.00	657+0.000					6.150	179.058	-3.00	6.756	178.654
6.943	178.941	-0.529					6.150	178.870	-3.00	658+0.000					6.150	178.870	-3.00	7.584	177.935
7.418	177.928	-0.899					6.150	178.787	-3.00	659+0.000					6.150	178.787	-3.00	8.810	177.014
6.941	178.255	-0.527					6.150	178.782	-3.00	659+5.997					6.150	178.782	-3.00	8.884	176.960
7.891	178.181	-0.827					6.150	178.808	-3.00	660+0.000					6.150	178.808	-3.00	9.276	176.726
7.043	178.337	-0.596					6.150	178.933	-3.00	661+0.000					6.150	178.933	-3.00	9.884	176.677
7.251	178.397	-0.735				PTV	6.150	179.092	-3.00	661+14.716					6.150	179.092	-3.00	10.122	176.444
7.479	178.272	-0.887					6.150	179.159	-3.00	662+0.000					6.150	179.159	-3.00	10.216	176.441
7.961	178.205	-1.208					6.150	179.413	-3.00	663+0.000					6.150	179.413	-3.00	10.109	176.773
8.737	177.942	-1.794					6.150	179.666	-3.00	664+0.000					6.150	179.666	-3.00	11.525	176.083
9.782	177.358	-2.421				PCV	6.150	179.779	-3.00	664+8.850					6.150	179.779	-3.00	11.872	175.964
9.642	177.584	-2.328					6.150	179.912	-3.00	665+0.000					6.150	179.912	-3.00	12.128	175.794
9.309	178.007	-2.106					6.150	180.113	-3.00	666+0.000					6.150	180.113	-3.00	12.548	175.847
13.012	175.688	-4.578					6.150	180.262	-3.00	667+0.000					6.150	180.262	-3.00	13.222	175.547
10.536	177.436	-2.925					6.150	180.361	-3.00	668+0.000					6.150	180.361	-3.00	11.864	176.485
9.574	178.126	-2.288					6.150	180.409	-3.00	669+0.000					6.150	180.409	-3.00	8.991	178.515
8.686	178.723	-1.691				PTV	6.150	180.414	-3.00	669+8.850					6.150	180.414	-3.00	6.419	180.683
12.811	175.946	-4.468					6.150	180.414	-3.00	669+18.850					6.150	180.414	-3.00	12.311	176.306
PONTE SOBRE O CÓRREGO GRANDE																			
13.495	175.517	-4.897					6.150	180.414	-3.00	670+18.850					6.150	180.414	-3.00	12.394	175.891
13.380	175.594	-4.820					6.150	180.414	-3.00	671+0.000					6.150	180.414	-3.00	12.884	175.924
11.673	176.731	-3.683					6.150	180.414	-3.00	672+0.000					6.150	180.414	-3.00	10.430	177.560
9.143	178.418	-1.996				PCV	6.150	180.414	-3.00	672+8.850					6.150	180.414	-3.00	8.972	177.532
8.821	178.650	-1.780					6.150	180.430	-3.00	673+0.000					6.150	180.430	-3.00	9.982	177.889
9.262	178.471	-2.078					6.150	180.545	-3.00	674+0.000					6.150	180.545	-3.00	12.540	176.285



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Nota de Serviço de Terraplenagem																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offet		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Terreno		Cota Vermelho		Bordo		Banqueta		Offet	
Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)	Alt. (m)	Cota (m)
6.663	394.138	0.513		6.150	193.625	-3.00	704+19.052	PTV	193.609	194.829	-1.020	6.150	193.994	3.00		7.034	194.877	0.883	
6.673	394.094	0.523		6.150	193.571	-3.00	705+0.000		193.795	194.791	-1.026	6.150	193.940	3.00		7.020	194.799	0.899	
6.566	392.898	0.416		6.150	192.482	-3.00	705+19.104	PCV	192.466	193.218	-0.552	6.150	192.851	3.00		7.212	193.913	1.002	
6.551	392.832	0.401		6.150	192.431	-3.00	706+0.000		192.416	193.223	-0.607	6.150	192.800	3.00		7.228	193.878	1.078	
6.388	391.655	0.239		6.150	191.396	-3.00	707+0.000		191.381	191.589	-0.008	6.150	191.765	3.00		7.350	193.118	1.353	
6.169	390.541	-0.013		6.150	190.354	-3.00	708+0.000		190.739	190.186	0.553	6.150	190.923	3.00		7.257	192.030	1.107	
7.227	389.187	-0.718		6.150	189.905	-3.00	709+0.000		190.089	189.636	1.053	6.150	190.274	3.00		7.513	189.465	-0.909	
7.919	388.380	-1.179		6.150	189.559	-3.00	709+14.276		189.743	188.172	1.571	6.150	189.928	3.00		8.881	188.107	-1.821	
8.226	388.064	-1.384		6.150	189.448	-3.00	710+0.000		188.632	187.898	1.734	6.150	189.817	3.00		9.228	187.765	-2.052	
9.536	386.927	-2.257		6.150	189.184	-3.00	711+0.000		188.368	188.035	1.333	6.150	189.553	3.00		10.984	186.330	-3.223	
9.470	386.898	-2.213		6.150	189.111	-3.00	711+17.397		189.326	187.968	1.327	6.150	189.480	3.00		13.120	184.833	-4.647	
9.802	386.678	-2.435		6.150	189.113	-3.00	712+0.000		189.257	187.732	1.565	6.150	189.482	3.00		13.409	184.643	-4.839	
10.855	386.098	-3.136		6.150	189.234	-3.00	713+0.000		189.419	187.050	2.369	6.150	189.603	3.00		12.937	185.078	-4.525	
9.694	387.186	-2.362		6.150	189.548	-3.00	714+0.000		189.733	187.730	2.003	6.150	189.917	3.00		13.518	185.005	-4.912	
8.600	388.345	-1.633		6.150	189.978	-3.00	714+17.378		190.162	188.615	1.547	6.150	190.347	3.00		11.051	187.079	-3.268	
8.447	388.481	-1.552		6.150	190.013	-3.00	714+18.592	CS	190.198	188.686	1.512	6.150	190.382	3.00		10.886	187.225	-3.157	
8.271	388.641	-1.414		6.150	190.055	-3.00	715+0.000		190.240	188.788	1.472	6.150	190.409	2.75		10.662	187.401	-3.008	
7.636	389.600	-0.384		6.150	190.584	-3.00	715+15.592		190.788	189.722	1.066	6.150	190.768	0.00		8.464	188.226	-1.542	
7.273	390.006	-0.749		6.150	190.755	-3.00	716+0.000		190.939	190.022	0.917	6.150	190.895	-0.73		7.752	188.827	-1.068	
6.174	391.374	0.024		6.150	191.350	-3.00	716+13.806		191.535	191.113	0.422	6.150	191.360	-3.00		6.971	190.869	-0.481	
6.557	392.054	0.407		6.150	191.647	-3.00	717+0.000		191.831	191.583	0.248	6.150	191.647	-3.00		6.536	191.390	-0.257	
7.953	394.382	1.703		6.150	192.679	-3.00	717+19.104	PTV	192.864	193.423	-0.559	6.150	192.679	-3.00		6.994	193.434	0.755	
7.932	394.514	1.782		6.150	192.732	-3.00	718+0.000		192.916	193.534	-0.618	6.150	192.732	-3.00		6.892	193.473	0.741	
9.199	396.871	3.049		6.150	193.822	-3.00	718+18.592	ST	194.007	195.101	-1.094	6.150	193.822	-3.00		7.442	195.314	1.492	
9.232	396.987	3.082		6.150	193.905	-3.00	719+0.000		194.089	195.179	-1.090	6.150	193.905	-3.00		7.662	195.417	1.512	
9.650	398.578	3.501		6.150	195.077	-3.00	720+0.000		195.262	196.332	-1.090	6.150	195.077	-3.00		8.156	197.083	2.006	
9.694	398.820	3.544		6.150	195.276	-3.00	720+13.384		195.460	196.570	-1.110	6.150	195.276	-3.00		8.179	197.205	2.029	
9.965	200.007	3.815		6.150	196.192	-3.00	721+0.000		196.377	197.637	-1.260	6.150	196.192	-3.00		8.159	198.242	2.050	
9.623	200.615	3.473		6.150	197.142	-3.00	722+0.000		197.327	199.893	-1.766	6.150	197.142	-3.00		8.157	199.150	2.008	
9.228	201.003	3.078		6.150	197.595	-3.00	723+0.000		198.109	200.337	-2.228	6.150	197.925	-3.00		8.749	200.524	2.599	
9.222	201.613	3.072		6.150	198.540	-3.00	724+0.000		198.725	201.111	-2.396	6.150	198.540	-3.00		8.811	201.201	2.661	
9.015	201.853	2.865		6.150	198.988	-3.00	725+0.000		199.172	201.598	-2.426	6.150	198.988	-3.00		8.434	201.272	2.284	
8.846	201.964	2.696		6.150	199.268	-3.00	726+0.000		199.633	201.930	-2.277	6.150	199.268	-3.00		8.442	201.761	2.493	
8.715	201.946	2.565		6.150	199.381	-3.00	727+0.000		199.566	201.896	-2.330	6.150	199.381	-3.00		8.413	201.644	2.263	
8.686	201.920	2.536		6.150	199.384	-3.00	727+13.896		199.568	201.776	-2.208	6.150	199.384	-3.00		8.321	201.555	2.171	
8.464	201.641	2.314		6.150	199.327	-3.00	728+0.000		199.511	201.480	-1.969	6.150	199.327	-3.00		8.312	201.488	2.161	
7.992	200.857	1.752		6.150	199.105	-3.00	729+0.000		199.289	200.967	-1.678	6.150	199.105	-3.00		8.747	201.702	2.597	
7.469	200.034	1.318		6.150	198.716	-3.00	730+0.000		198.900	200.075	-1.175	6.150	198.716	-3.00		7.286	199.863	1.147	



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Nota de Serviço de Terraplenagem																																	
Lado Esquerdo										Lado Direito																							
Eixo										Eixo																							
Offet		Banqueta				Bordo				Estaca		Pontos Níveis Horizontal		Pontos Níveis Vertical		Cota Proprio		Cota Terreno		Cota Vermelha		Bordo				Banqueta				Offet			
Alim. (m)	Altura (m)	Alim. (m)	Cota (m)	Incl. (%)	Alim. (m)	Cota (m)	Incl. (%)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)		
7.414	199.422	1.263			6.150	198.159	-3.00	731+0.000		198.343	198.943	-0.600	6.150	198.159	-3.00		6.150	198.159	-3.00		6.150	198.943	0.764		6.150	198.159	-3.00		6.150	198.943	0.764		
7.109	198.944	0.959			6.150	197.435	-3.00	732+0.000		197.619	197.872	-0.253	6.150	197.435	-3.00		6.150	197.435	-3.00		6.150	197.872	0.241		6.150	197.435	-3.00		6.150	197.872	0.241		
7.098	198.244	0.948			6.150	197.296	-3.00	733+1.384		PTV	197.480	197.690	-0.210	6.150	197.296	-3.00		6.150	197.296	-3.00		6.150	197.690	0.333		6.150	197.296	-3.00		6.150	197.690	0.333	
6.698	197.150	0.549			6.150	196.601	-3.00	734+0.000		196.786	196.897	-0.111	6.150	196.601	-3.00		6.150	196.601	-3.00		6.150	196.897	0.111		6.150	196.601	-3.00		6.150	196.897	0.111		
6.368	195.983	0.218			6.150	195.765	-3.00	735+0.000		195.950	195.646	0.304	6.150	195.765	-3.00		6.150	195.765	-3.00		6.150	195.646	0.304		6.150	195.765	-3.00		6.150	195.646	0.304		
6.229	194.976	-0.053			6.150	194.929	-3.00	735+0.000		195.114	194.348	0.766	6.150	194.929	-3.00		6.150	194.929	-3.00		6.150	194.348	-0.156		6.150	194.929	-3.00		6.150	194.348	-0.156		
6.286	194.002	-0.098			6.150	194.093	-3.00	736+0.000		194.277	193.426	0.851	6.150	194.093	-3.00		6.150	194.093	-3.00		6.150	193.426	-0.766		6.150	194.093	-3.00		6.150	193.426	-0.766		
6.685	193.792	0.535			6.150	193.257	-3.00	737+0.000		193.441	192.842	0.599	6.150	193.257	-3.00		6.150	193.257	-3.00		6.150	192.842	-0.599		6.150	193.257	-3.00		6.150	192.842	-0.599		
6.631	192.902	0.481			6.150	192.421	-3.00	738+0.000		192.606	192.274	0.331	6.150	192.421	-3.00		6.150	192.421	-3.00		6.150	192.274	-0.331		6.150	192.421	-3.00		6.150	192.274	-0.331		
6.800	192.234	0.649			6.150	191.585	-3.00	739+0.000		191.769	191.811	-0.042	6.150	191.585	-3.00		6.150	191.585	-3.00		6.150	191.811	-0.042		6.150	191.585	-3.00		6.150	191.811	-0.042		
7.444	192.043	1.294			6.150	190.749	-3.00	740+0.000		190.933	191.084	-0.151	6.150	190.749	-3.00		6.150	190.749	-3.00		6.150	191.084	-0.151		6.150	190.749	-3.00		6.150	191.084	-0.151		
6.977	190.740	0.827			6.150	189.913	-3.00	741+0.000		190.097	190.030	0.067	6.150	189.913	-3.00		6.150	189.913	-3.00		6.150	190.030	0.067		6.150	189.913	-3.00		6.150	190.030	0.067		
7.065	189.991	0.914			6.150	189.077	-3.00	742+0.000		189.261	189.355	-0.094	6.150	189.077	-3.00		6.150	189.077	-3.00		6.150	189.355	-0.094		6.150	189.077	-3.00		6.150	189.355	-0.094		
7.031	189.122	0.882			6.150	188.240	-3.00	743+0.000		188.425	188.050	0.375	6.150	188.240	-3.00		6.150	188.240	-3.00		6.150	188.050	0.375		6.150	188.240	-3.00		6.150	188.050	0.375		
6.574	187.121	-0.288			6.150	187.404	-3.00	744+0.000		187.589	186.626	0.963	6.150	187.404	-3.00		6.150	187.404	-3.00		6.150	186.626	0.963		6.150	187.404	-3.00		6.150	186.626	0.963		
6.901	186.712	-0.501			6.150	187.213	-3.00	744+1.576		PCV	187.398	186.296	1.102	6.150	187.213	-3.00		6.150	187.213	-3.00		187.398	186.296	1.102		6.150	187.213	-3.00		6.150	186.296	1.102	
7.783	185.544	-1.088			6.150	186.632	-3.00	745+0.000		186.817	185.407	1.410	6.150	186.632	-3.00		6.150	186.632	-3.00		6.150	185.407	-1.410		6.150	186.632	-3.00		6.150	185.407	-1.410		
8.636	184.412	-1.638			6.150	186.070	-3.00	746+0.000		186.224	184.738	1.516	6.150	186.070	-3.00		6.150	186.070	-3.00		6.150	184.738	-1.516		6.150	186.070	-3.00		6.150	184.738	-1.516		
9.472	183.507	-2.215			6.150	185.722	-3.00	747+0.000		185.507	184.531	1.376	6.150	185.722	-3.00		6.150	185.722	-3.00		6.150	184.531	-1.376		6.150	185.722	-3.00		6.150	184.531	-1.376		
11.081	182.902	-3.288			6.150	185.590	-3.00	748+0.000		185.774	184.508	1.266	6.150	185.590	-3.00		6.150	185.590	-3.00		6.150	184.508	-1.266		6.150	185.590	-3.00		6.150	184.508	-1.266		
11.347	182.123	-3.465			6.150	185.588	-3.00	748+2.318		185.773	184.528	1.245	6.150	185.588	-3.00		6.150	185.588	-3.00		6.150	184.528	-1.245		6.150	185.588	-3.00		6.150	184.528	-1.245		
9.282	183.584	-2.088			6.150	185.672	-3.00	749+0.000		185.857	184.759	1.098	6.150	185.672	-3.00		6.150	185.672	-3.00		6.150	184.759	-1.098		6.150	185.672	-3.00		6.150	184.759	-1.098		
8.863	184.161	-1.809			6.150	185.970	-3.00	750+0.000		186.154	185.410	0.744	6.150	185.970	-3.00		6.150	185.970	-3.00		6.150	185.410	-0.744		6.150	185.970	-3.00		6.150	185.410	-0.744		
6.943	185.954	-0.529			6.150	186.483	-3.00	751+0.000		186.667	186.000	0.667	6.150	186.483	-3.00		6.150	186.483	-3.00		6.150	186.000	0.667		6.150	186.483	-3.00		6.150	186.000	0.667		
6.796	186.216	-0.404			6.150	186.630	-3.00	751+1.576		PTV	186.615	186.102	0.713	6.150	186.630	-3.00		6.150	186.630	-3.00		186.615	186.102	0.713		6.150	186.630	-3.00		6.150	186.102	0.713	
6.993	186.412	-0.562			6.150	186.974	-3.00	751+1.840		PCV	187.158	186.700	0.458	6.150	186.974	-3.00		6.150	186.974	-3.00		187.158	186.700	0.458		6.150	186.974	-3.00		6.150	186.700	0.458	
7.370	186.326	-0.813			6.150	187.139	-3.00	752+0.000		187.224	186.977	0.347	6.150	187.139	-3.00		6.150	187.139	-3.00		6.150	186.977	-0.347		6.150	187.139	-3.00		6.150	186.977	-0.347		
6.173	187.669	0.023			6.150	187.646	-3.00	753+0.000		187.830	188.043	-0.213	6.150	187.646	-3.00		6.150	187.646	-3.00		6.150	188.043	-0.213		6.150	187.646	-3.00		6.150	188.043	-0.213		
6.757	188.375	0.607			6.150	187.768	-3.00	753+1.762		187.952	188.431	-0.479	6.150	187.768	-3.00		6.150	187.768	-3.00		6.150	188.431	-0.479		6.150	187.768	-3.00		6.150	188.431	-0.479		
7.828	189.750	1.678			6.150	188.072	-0.79	754+0.000		188.121	188.925	-0.804	6.150	188.072	-0.79		6.150	188.072	-0.79		6.150	188.925	-0.804		6.150	188.072	-0.79		6.150	188.925	-0.804		
7.607	189.615	1.457			6.150	188.158	0.00	754+1.762		188.158	189.010	-0.852	6.150	188.158	0.00		6.150	188.158	0.00		6.150	189.010	-0.852		6.150	188.158	0.00		6.150	189.010	-0.852		
7.179	189.322	1.028			6.150	188.324	2.04	754+16.974		188.198	189.215	-1.017	6.150	188.324	2.04		6.150	188.324	2.04		6.150	189.215	-1.017		6.150	188.324	2.04		6.150	189.215	-1.017		
7.152	189.354	1.002			6.150	188.352	2.54	755+0.000		188.196	189.268	-1.072	6.150	188.352	2.54		6.150	188.352	2.54		6.150	189.268	-1.072		6.150	188.352	2.54		6.150	189.268	-1.072		
7.132	189.356	0.982			6.150	188.374	3.00	755+0.000	TS	188.189	189.317	-1.128	6.150	188.374	3.00		6.150	188.374	3.00		6.150	189.317	-1.128		6.150	188.374	3.00		6.150	189.317	-1.128		
6.824	189.091	0.674			6.150	188.417	5.87	756+0.000		188.056	189.224	-1.168	6.150	188.417	5.87		6.150	188.417	5.87		6.150	189.224	-1.168		6.150	188.417	5.87		6.150	189.224	-1.168		
6.438	188.633	0.288			6.150	188.345	8.00	756+12.762	SC	187.853	188.796	-0.943	6.150	188.345	8.00		6.150	188.345	8.00		6.150	188.796	-0.943		6.150	188.345	8.00		6.150	188.796	-0.943		
6.448	188.489	0.297			6.150	188.192	8.00	757+0.000		187.700	188.376	-0.676	6.150	188.192	8.00		6.150	188.192	8.00		6.150	188.376	-0.676		6.150	188.192	8.00		6.150	188.376	-0.676		
6.740	188.424	0.590			6.150	187.834	8.00	757+13.348		187.442	187.828	-0.486	6.150	187.834	8.00		6.150	187.834	8.00		6.150	187.828	-0.486		6.150	187.834	8.00		6.150	187.828	-0.486		



HASH: 76ca2a1010d8eb12da5c669e1200c91db3319821d87250c509d90bf47e. Documento assinado digitalmente, válido em <https://aquissos.esplag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUJMN-HB79>. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025; HELIO MARQUES DE ARRUDA em 03/02/2025; RAFAEL DEL GROSSI SOARES em 03/02/2025; LUANA DOS SANTOS VIANA em 03/02/2025; Juniado em 25/02/2026 15:31:21 por AMANDA ARAUJO.



Nota de Serviço de Terraplenagem																								
Rodovia : MT-339/248																								
Lado Esquerdo										Lado Direto														
Banqueta					Eixo					Bordo					Banqueta					Offset				
Altura (m)	Cota (m)	Alast. (m)	Cota (m)	Inc. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Termino	Cota Vermelha	Alast. (m)	Cota (m)	Inc. (%)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Inc. (%)	Alast. (m)	Cota (m)				
SEGMENTO PAVIMENTADO (EST. 788+0.00 a 796+0.00) COMUNIDADE SANTA FÉ																								
6.571	188.041	0.421			788+0.000			187.128	187.397	-0.649	6.150	186.686	8.00						7.105	187.591				
6.533	175.595	0.382			794+0.000			175.397	175.590	-0.533	6.150	175.213	-3.00						6.747	175.810				
6.545	175.608	0.395			796+0.144			175.397	175.529	-0.532	6.150	175.213	-3.00						6.748	175.811				
6.387	175.577	0.237			797+0.000			175.525	175.653	-0.128	6.150	175.340	-3.00						6.366	175.557				
6.344	175.575	0.194			777+3.711		PTV	175.566	175.696	-0.130	6.150	175.381	-3.00						6.401	175.633				
6.391	175.613	0.241			798+0.000			175.757	175.688	0.259	6.150	175.572	-3.00						6.372	175.624				
6.189	175.624	-0.027			798+6.700		PCV	175.885	175.420	0.415	6.150	176.651	-3.00						6.527	175.899				
6.472	175.581	-0.215			799+0.000			175.981	175.316	0.645	6.150	175.796	-3.00						6.790	175.369				
7.537	175.051	-0.925			789+0.000			176.140	175.648	1.112	6.150	175.976	-3.00						7.586	175.619				
8.380	174.622	-1.487			781+0.000			176.293	174.849	1.444	6.150	176.109	-3.00						8.061	174.835				
8.764	174.452	-1.748			783+0.000			176.379	174.670	1.709	6.150	176.195	-3.00						8.088	174.838				
10.932	173.046	-3.188			783+0.000			176.418	174.650	1.758	6.150	176.284	-3.00						9.678	173.282				
11.469	172.691	-3.546			783+6.700		PTV	176.421	174.612	1.809	6.150	176.297	-3.00						10.995	173.666				
10.609	173.264	-2.973			784+0.000			176.421	174.603	1.818	6.150	176.297	-3.00						10.391	173.609				
12.821	171.789	-4.448			784+16.700			176.421	174.676	1.545	6.150	176.297	-3.00						12.302	172.135				
PONTE SOBRE O RIO DOS BUGRES																								
10.268	173.495	-2.742			786+16.700			176.421	174.706	1.215	6.150	176.297	-3.00						11.410	172.710				
9.774	173.821	-2.416			787+0.000			176.421	175.000	1.421	6.150	176.237	-3.00						10.610	173.863				
8.309	174.797	-1.440			789+0.000			176.421	175.294	1.127	6.150	176.237	-3.00						8.704	174.534				
7.992	175.009	-1.228			788+6.700		PCV	176.421	175.518	1.103	6.150	176.297	-3.00						7.888	175.125				
7.603	175.270	-0.969			789+0.000			176.423	175.490	0.933	6.150	176.239	-3.00						7.825	175.122				
7.957	175.046	-1.205			790+0.000			176.436	175.677	0.759	6.150	176.251	-3.00						7.044	175.655				
7.963	175.060	-1.208			790+15.861	TS		176.453	175.427	1.026	6.150	176.268	-3.00						7.235	175.545				
7.891	175.114	-1.160			791+0.000			176.458	175.470	0.888	6.150	176.274	-3.00						7.337	175.483				
7.691	175.280	-1.027			791+0.000			176.482	175.519	0.673	6.150	176.307	-3.00						7.221	175.594				
7.155	175.670	-0.670			793+15.538			176.525	175.960	0.655	6.150	176.340	-3.00						6.740	175.945				
7.000	175.784	-0.567			793+0.000			176.536	175.995	0.541	6.150	176.396	-2.27						6.798	175.964				
6.485	176.164	-0.228			793+13.861			176.572	176.311	0.441	6.150	176.572	0.00						7.084	175.949				
6.856	175.935	-0.470			794+0.000			176.590	176.125	0.465	6.150	176.652	1.00						6.937	176.127				
6.618	176.132	-0.312			794+12.184			176.628	176.101	0.527	6.150	176.613	3.00						7.081	176.192				
6.563	176.144	-0.275			794+15.861	SC		176.641	176.690	0.551	6.150	176.682	3.60						7.289	176.116				
6.546	176.170	-0.263			795+0.000			176.655	176.653	0.602	6.150	176.876	3.60						7.436	176.026				
7.773	175.427	-1.082			796+0.000			176.730	175.999	0.731	6.150	176.952	3.60						7.531	176.031				
7.793	175.441	-1.095			796+6.700		PTV	176.758	175.967	0.811	6.150	176.979	3.60						7.735	175.910				
7.990	175.366	-1.286			797+0.000			176.844	175.938	0.876	6.150	177.035	3.60						7.994	175.806				
7.919	175.497	-1.180			798+0.000			176.888	175.990	0.908	6.150	177.119	3.60						8.413	175.611				
8.262	175.331	-1.428			798+0.000			176.903	175.999	0.903	6.150	177.204	3.60						7.944	175.494				



Nota de Serviço de Terraplenagem																								
Lado Esquerdo												Lado Direito												
Banqueta				Bordo				Eixo				Banqueta				Bordo				Eixo				
Altura (m)	Cota (m)	Alf. (m)	Alf. (m)	Cota (m)	Alf. (m)	Ind. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Ventoinha	Alf. (m)	Cota (m)	Alf. (m)	Ind. (%)	Cota (m)	Alf. (m)	Alf. (m)	Cota (m)	Ind. (%)	Alf. (m)	Cota (m)	Alf. (m)
8.241	175.370	-1.396		6.150	176.766	3.60	799+1.142			176.987	175.886	1.001	6.150	177.209	3.60					8.001	175.975	-1.234		
8.306	175.408	-1.437		6.150	176.845	3.60	800+0.000			177.067	176.186	0.881	6.150	177.288	3.60					8.124	175.972	-1.316		
7.150	176.563	-0.666		6.150	176.929	3.60	801+0.000			177.151	176.356	0.795	6.150	177.372	3.60					7.573	176.624	-0.948		
7.628	176.028	-0.986		6.150	177.014	3.60	802+0.000			177.235	176.504	0.731	6.150	177.456	3.60					7.337	176.665	-0.791		
7.275	176.289	-0.759		6.150	177.039	3.60	802+6.000		PCV	177.260	176.540	0.720	6.150	177.482	3.60					7.383	176.706	-0.776		
7.242	176.369	-0.728		6.150	177.097	3.60	803+0.000			177.318	176.531	0.787	6.150	177.539	3.60					8.545	175.943	-1.596		
7.511	176.215	-0.907		6.150	177.122	3.60	803+6.422	CS		177.344	176.525	0.819	6.150	177.565	3.60					8.874	175.749	-1.816		
7.565	176.230	-0.944		6.150	177.174	3.00	803+10.089			177.358	176.390	0.968	6.150	177.543	3.00					8.699	175.843	-1.700		
8.142	175.884	-1.328		6.150	177.212	3.00	804+0.000			177.396	176.471	0.925	6.150	177.481	1.38					8.407	175.977	-1.504		
8.585	175.620	-1.624		6.150	177.244	3.00	804+8.422			177.428	176.652	0.776	6.150	177.428	0.00					8.889	175.635	-1.793		
8.412	175.777	-1.509		6.150	177.286	3.00	805+0.000			177.470	176.702	0.768	6.150	177.354	-1.89					8.736	175.643	-1.711		
9.125	175.326	-1.980		6.150	177.309	3.00	805+6.756			177.494	176.722	0.772	6.150	177.309	-3.00					8.928	175.657	-1.852		
9.731	174.967	-2.387		6.150	177.354	3.00	806+0.000			177.539	176.724	0.815	6.150	177.354	-3.00					9.188	175.329	-2.025		
9.409	175.246	-2.173		6.150	177.419	3.00	807+0.000			177.603	176.676	0.927	6.150	177.419	-3.00					8.112	176.110	-1.309		
9.467	175.227	-2.211		6.150	177.438	3.00	807+6.422	ST		177.623	176.658	0.965	6.150	177.438	-3.00					8.414	175.928	-1.510		
8.344	176.015	-1.469		6.150	177.478	3.00	808+0.000			177.662	176.689	0.973	6.150	177.478	-3.00					7.704	176.442	-1.036		
9.231	175.478	-2.054		6.150	177.532	3.00	809+0.000			177.717	176.708	1.009	6.150	177.532	-3.00					7.584	176.576	-0.956		
9.155	175.545	-2.008		6.150	177.548	3.00	809+6.000		PIV	177.732	176.710	1.022	6.150	177.548	-3.00					7.686	176.517	-1.031		
8.740	175.856	-1.727		6.150	177.583	3.00	810+0.000			177.768	176.686	1.082	6.150	177.583	-3.00					7.777	176.499	-1.084		
8.998	175.735	-1.889		6.150	177.634	3.00	811+0.000			177.818	176.677	1.141	6.150	177.634	-3.00					8.003	176.388	-1.236		
8.653	176.016	-1.668		6.150	177.684	3.00	812+0.000			177.869	176.775	1.094	6.150	177.684	-3.00					8.288	176.279	-1.405		
9.337	175.610	-2.125		6.150	177.735	3.00	813+0.000			177.919	176.841	1.078	6.150	177.735	-3.00					8.078	176.450	-1.285		
8.718	176.074	-1.712		6.150	177.786	3.00	814+0.000			177.970	176.849	1.121	6.150	177.786	-3.00					8.504	176.216	-1.570		
9.001	175.935	-1.901		6.150	177.836	3.00	815+0.000			178.021	176.892	1.129	6.150	177.836	-3.00					8.218	176.457	-1.379		
9.050	175.915	-1.934		6.150	177.849	3.00	815+4.919		PCV	178.033	176.894	1.139	6.150	177.849	-3.00					8.079	176.563	-1.266		
8.640	176.230	-1.661		6.150	177.891	3.00	816+0.000			178.075	176.868	1.207	6.150	177.891	-3.00					7.851	176.757	-1.134		
8.594	176.329	-1.629		6.150	177.958	3.00	817+0.000			178.143	176.995	1.148	6.150	177.958	-3.00					8.166	176.614	-1.344		
8.776	176.289	-1.751		6.150	178.040	3.00	818+0.000			178.224	176.986	1.238	6.150	178.040	-3.00					8.242	176.646	-1.394		
8.494	176.572	-1.569		6.150	178.135	3.00	819+0.000			178.319	177.124	1.195	6.150	178.135	-3.00					8.013	176.893	-1.242		
8.047	176.979	-1.265		6.150	178.244	3.00	820+0.000			178.428	177.335	1.093	6.150	178.244	-3.00					7.565	177.300	-0.944		
8.014	177.123	-1.240		6.150	178.366	3.00	821+0.000			178.551	177.633	0.918	6.150	178.366	-3.00					7.846	177.570	-0.796		
7.399	177.669	-0.883		6.150	178.502	3.00	822+0.000			178.687	177.948	0.739	6.150	178.502	-3.00					7.200	177.802	-0.700		
7.237	177.917	-0.725		6.150	178.652	3.00	823+0.000			178.836	178.236	0.600	6.150	178.652	-3.00					7.207	177.947	-0.705		
7.535	177.892	-0.923		6.150	178.815	3.00	824+0.000			179.000	178.425	0.575	6.150	178.815	-3.00					7.277	178.064	-0.751		
7.464	177.953	-0.876		6.150	178.829	3.00	824+1.512	TS		179.013	178.418	0.595	6.150	178.829	-3.00					7.202	178.127	-0.702		
7.548	178.060	-0.932		6.150	178.992	3.00	825+0.000			179.177	178.702	0.475	6.150	178.992	-3.00					7.472	178.111	-0.881		
7.505	178.134	-0.904		6.150	179.038	3.00	825+4.919		PIV	179.222	178.754	0.468	6.150	179.038	-3.00					7.423	178.189	-0.849		
7.485	178.356	-0.823		6.150	179.179	3.00	826+0.000			179.368	178.916	0.447	6.150	179.179	-3.00					7.321	178.399	-0.760		



HASH: 76c42a1010d8eb12da5c6e69ed200c91dbb319821d67250509d90b47e. Documento assinado digitalmente, válido em https://aquisicoes.splag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUMN-HB79. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025. HELIO MARQUES DE ARRUDA em 03/02/2025. RAFAEL DEL GROSSI SOARES em 03/02/2025. LUANA DOS SANTOS VIANA em 03/02/2025. Juniado em 25/02/2026 15:31:21 por AMANDA ARAUJO.



Nota de Serviço de Terraplenagem																					
Lado Esquerdo										Lado Direito											
Banqueta										Bordo											
Offset		Banqueta		Bordo		Estaca		Pontos Notáveis		Pontos Notáveis		Cota Termina		Cota Vermelha		Bordo		Banqueta		Offset	
Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)	Alf. (m)	Cota (m)
7.191	178.538	-0.694		6.150	179.232	-3.00	826+5.612			179.416	178.982	0.434	6.150	179.232	-3.00			7.085	178.628	-0.604	
7.699	178.333	-1.033		6.150	179.366	-3.00	827+0.000			179.551	179.148	0.403	6.150	179.366	-3.00			7.581	178.559	-0.955	
7.693	178.371	-1.029		6.150	179.400	-3.00	827+3.612			179.585	179.169	0.416	6.150	179.585	0.00			7.121	178.937	-0.648	
7.665	178.443	-1.010		6.150	179.553	-3.00	828+0.000			179.738	179.250	0.488	6.150	179.553	-3.00			7.965	178.696	-1.210	
7.467	178.690	-0.879		6.150	179.569	-3.00	828+1.612	SC		179.753	179.261	0.492	6.150	179.938	3.00			8.000	178.691	-1.247	
7.860	178.600	-1.141		6.150	179.741	-3.00	829+0.000			179.925	179.432	0.493	6.150	180.110	3.00			7.965	178.899	-1.211	
8.493	178.366	-1.562		6.150	179.928	-3.00	830+0.000			180.112	179.653	0.459	6.150	180.297	3.00			8.178	178.278	-2.019	
8.207	178.728	-1.372		6.150	180.100	-3.00	830+18.340		PCV	180.284	179.555	0.729	6.150	180.469	3.00			8.597	178.837	-1.632	
8.190	178.755	-1.360		6.150	180.115	-3.00	831+0.000			180.300	179.645	0.655	6.150	180.484	3.00			8.534	178.895	-1.589	
8.263	178.804	-1.408		6.150	180.212	-3.00	831+9.911			180.397	179.519	0.878	6.150	180.581	3.00			8.589	178.969	-1.612	
8.168	178.892	-1.346		6.150	180.338	-3.00	832+0.000			180.522	179.688	0.834	6.150	180.707	3.00			8.654	179.037	-1.670	
7.837	179.496	-1.125		6.150	180.621	-3.00	833+0.000			180.805	179.943	0.862	6.150	180.990	3.00			8.614	179.347	-1.643	
7.631	179.977	-0.967		6.150	180.964	-3.00	834+0.000			181.148	180.179	0.969	6.150	181.333	3.00			8.454	179.797	-1.536	
7.389	180.481	-0.826		6.150	181.307	-3.00	834+17.170	CS		181.491	180.580	0.911	6.150	181.676	3.00			8.093	180.407	-1.269	
7.265	180.624	-0.744		6.150	181.368	-3.00	835+0.000			181.552	180.645	0.907	6.150	181.708	2.53			7.910	180.534	-1.174	
6.584	181.425	-0.288		6.150	181.714	-3.00	835+15.170			181.899	181.255	0.644	6.150	181.899	0.00			6.549	181.636	-0.263	
6.360	181.691	-0.141		6.150	181.832	-3.00	836+0.000			182.016	181.412	0.604	6.150	181.967	-0.80			6.371	181.819	-0.148	
6.210	182.231	0.061		6.150	182.170	-3.00	836+13.170			182.355	181.814	0.541	6.150	182.170	-3.00			7.186	182.206	1.096	
6.376	182.582	0.226		6.150	182.356	-3.00	837+0.000			182.541	182.050	0.491	6.150	182.356	-3.00			7.355	183.562	1.206	
6.520	183.311	0.370		6.150	182.941	-3.00	838+0.000			183.126	182.728	0.398	6.150	182.941	-3.00			7.947	184.738	1.797	
6.708	184.050	0.558		6.150	183.492	-3.00	838+17.170	ST		183.676	183.285	0.391	6.150	183.492	-3.00			8.442	185.784	2.292	
6.713	184.093	0.562		6.150	183.531	-3.00	839+18.340		PTV	183.715	183.316	0.399	6.150	183.531	-3.00			8.294	185.675	2.144	
6.718	184.155	0.568		6.150	183.587	-3.00	839+0.000			183.771	183.367	0.404	6.150	183.587	-3.00			8.271	185.707	2.120	
7.193	185.285	1.044		6.150	184.241	-3.00	839+19.529		PCV	184.426	184.026	0.415	6.150	184.241	-3.00			7.904	185.096	1.755	
7.194	185.301	1.044		6.150	184.257	-3.00	840+0.000			184.442	184.024	0.418	6.150	184.257	-3.00			7.899	186.006	1.749	
7.356	186.080	1.206		6.150	184.874	-3.00	841+0.000			185.058	184.754	0.304	6.150	184.874	-3.00			7.726	186.450	1.576	
7.049	186.287	0.899		6.150	185.388	-3.00	842+0.000			185.572	185.300	0.272	6.150	185.388	-3.00			7.420	186.658	1.270	
6.494	186.143	0.345		6.150	185.798	-3.00	843+0.000			185.983	185.753	0.230	6.150	185.798	-3.00			7.213	186.862	1.064	
6.494	186.450	0.344		6.150	186.106	-3.00	844+0.000			186.291	186.062	0.229	6.150	186.106	-3.00			7.030	186.986	0.680	
8.268	184.899	-1.412		6.150	186.311	-3.00	845+0.000			186.495	186.226	0.269	6.150	186.311	-3.00			6.814	186.975	0.664	
8.213	185.037	-1.376		6.150	186.413	-3.00	846+0.000			186.597	186.299	0.298	6.150	186.413	-3.00			6.305	186.376	-0.037	
7.624	185.442	-0.988		6.150	186.425	-3.00	846+9.164			186.609	186.303	0.306	6.150	186.425	-3.00			6.831	187.106	0.681	
8.099	185.113	-1.300		6.150	186.413	-3.00	846+19.529		PTV	186.597	186.291	0.306	6.150	186.413	-3.00			6.901	187.164	0.751	
8.092	185.116	-1.296		6.150	186.411	-3.00	847+0.000			186.596	186.290	0.306	6.150	186.411	-3.00			6.905	187.167	0.756	
8.274	184.945	-1.416		6.150	186.351	-3.00	848+0.000			186.546	186.592	-0.046	6.150	186.351	-3.00			7.002	187.213	0.852	
8.090	185.018	-1.298		6.150	186.311	-3.00	849+0.000			186.495	186.161	0.334	6.150	186.311	-3.00			7.127	187.288	0.977	
7.815	185.150	-1.111		6.150	186.261	-3.00	850+0.000			186.495	185.896	0.549	6.150	186.261	-3.00			6.413	186.523	0.262	
7.616	185.220	-0.990		6.150	186.210	-3.00	851+0.000			186.395	185.475	0.920	6.150	186.210	-3.00			6.917	185.699	-0.511	



Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Bordo					Bordo					Bordo					Bordo				
Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Ind. (%)	Alarg. (m)	Cota (m)	Ind. (%)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Ind. (%)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Ind. (%)	Alarg. (m)	Cota (m)
7.755	185.090	-1.070			6.150	186.160	-3.00	852+0.000	186.144	185.517	0.827	6.150	186.160	-3.00	6.150	185.810	-0.350	6.674	185.810
8.350	184.643	-1.407			6.150	186.110	-3.00	853+0.000	186.294	185.293	1.001	6.150	186.110	-3.00	6.150	185.710	-0.400	6.750	185.710
9.744	183.663	-2.386			6.150	186.059	-3.00	854+0.000	186.244	185.127	1.117	6.150	186.059	-3.00	6.150	184.090	-1.969	9.304	184.090
9.056	184.072	-1.937			6.150	186.009	-3.00	855+0.000	186.194	185.174	1.020	6.150	186.009	-3.00	6.150	185.264	-0.745	7.868	185.264
7.402	185.124	-0.886			6.150	185.959	-3.00	856+0.000	186.148	184.966	1.177	6.150	185.959	-3.00	6.150	185.122	-0.837	7.405	185.122
8.736	184.185	-1.724			6.150	185.909	-3.00	857+0.000	186.093	184.882	1.231	6.150	185.909	-3.00	6.150	185.002	-0.907	7.510	185.002
9.900	183.338	-2.500			6.150	185.858	-3.00	858+0.000	186.043	184.812	1.231	6.150	185.858	-3.00	6.150	184.144	-0.714	7.221	184.144
9.796	183.377	-2.431			6.150	185.808	-3.00	859+0.000	185.992	184.755	1.237	6.150	185.808	-3.00	6.150	184.784	-1.024	7.866	184.784
10.406	182.887	-2.871			6.150	185.758	-3.00	860+0.000	185.942	184.700	1.152	6.150	185.758	-3.00	6.150	185.089	-0.660	7.833	185.089
9.194	183.678	-2.029			6.150	185.707	-3.00	861+0.000	185.892	184.685	1.027	6.150	185.707	-3.00	6.150	185.189	-0.518	6.928	185.189
8.647	183.993	-1.664			6.150	185.657	-3.00	862+0.000	185.842	185.000	0.842	6.150	185.657	-3.00	6.150	185.291	-0.366	6.899	185.291
7.896	184.443	-1.164			6.150	185.607	-3.00	863+0.000	185.791	185.216	0.575	6.150	185.607	-3.00	6.150	185.491	-0.116	6.324	185.491
7.884	184.900	-1.157			6.150	185.557	-3.00	864+0.000	185.741	185.344	0.397	6.150	185.557	-3.00	6.150	185.713	0.156	6.306	185.713
7.932	184.325	-1.181			6.150	185.506	-3.00	865+0.000	185.691	185.173	0.518	6.150	185.506	-3.00	6.150	185.300	-0.116	6.325	185.300
8.492	183.895	-1.561			6.150	185.456	-3.00	866+0.000	185.640	184.973	0.667	6.150	185.456	-3.00	6.150	185.045	-0.411	6.766	185.045
11.159	182.066	-3.340			6.150	185.406	-3.00	867+0.000	185.590	184.789	0.801	6.150	185.406	-3.00	6.150	185.032	-0.374	6.711	185.032
8.315	183.912	-1.443			6.150	185.355	-3.00	868+0.000	185.540	184.778	0.762	6.150	185.355	-3.00	6.150	184.636	-0.719	7.229	184.636
8.299	183.915	-1.442			6.150	185.347	-3.00	869+0.000	185.532	184.792	0.740	6.150	185.347	-3.00	6.150	184.637	-0.710	7.216	184.637
8.230	183.929	-1.387			6.150	185.316	-3.00	869+0.000	185.500	184.958	0.542	6.150	185.316	-3.00	6.150	184.982	-0.334	6.650	184.982
7.853	184.171	-1.125			6.150	185.306	-3.00	869+0.000	185.491	184.949	0.542	6.150	185.306	-3.00	6.150	184.984	-0.312	6.609	184.984
8.059	184.034	-1.273			6.150	185.307	-3.00	870+0.000	185.482	184.943	0.549	6.150	185.307	-3.00	6.150	185.006	-0.301	6.602	185.006
8.060	184.056	-1.273			6.150	185.329	-3.00	871+0.000	185.513	185.077	0.436	6.150	185.329	-3.00	6.150	185.216	-0.001	6.154	185.216
8.242	183.987	-1.396			6.150	185.382	-3.00	872+0.000	185.566	184.905	0.661	6.150	185.382	-3.00	6.150	185.095	-0.287	6.981	185.095
8.950	183.999	-1.866			6.150	185.465	-3.00	873+0.000	185.600	184.999	0.851	6.150	185.465	-3.00	6.150	184.890	-0.575	7.082	184.890
9.324	183.980	-2.116			6.150	185.496	-3.00	873+0.000	185.681	184.749	0.932	6.150	185.496	-3.00	6.150	184.889	-0.607	7.081	184.889
11.186	182.223	-3.357			6.150	185.580	-3.00	874+0.000	185.765	184.600	1.165	6.150	185.580	-3.00	6.150	185.004	-0.576	7.015	185.004
11.402	182.045	-3.581			6.150	185.606	-3.00	874+0.000	185.790	184.716	1.074	6.150	185.606	-3.00	6.150	184.907	-0.699	7.099	184.907
13.848	180.762	-5.129			6.150	185.891	-0.32	875+0.000	185.910	182.586	3.324	6.150	185.725	-3.00	6.150	185.622	-0.103	6.305	185.622
13.945	180.729	-5.186			6.150	185.925	0.00	875+0.000	185.925	181.461	4.464	6.150	185.741	-3.00	6.150	184.876	-3.865	11.948	184.876
10.229	183.551	-2.779			6.150	186.270	3.00	875+0.000	186.085	182.796	3.289	6.150	185.901	-3.00	6.150	185.793	-0.108	6.312	185.793
10.205	183.569	-2.760			6.150	186.272	3.02	876+0.000	186.086	182.820	3.266	6.150	185.901	-3.02	6.150	185.786	-0.115	6.322	185.786
9.621	184.076	-2.314			6.150	186.390	4.00	876+0.000	186.144	184.565	1.579	6.150	185.898	-4.00	6.150	185.501	-0.397	6.746	185.501
9.208	184.448	-2.092			6.150	186.540	4.00	877+0.000	186.294	184.035	2.239	6.150	186.048	-4.00	6.150	185.175	-0.973	7.059	185.175
8.784	185.022	-1.796			6.150	186.778	4.00	878+0.000	186.532	184.585	1.947	6.150	186.286	-4.00	6.150	185.371	-0.915	7.322	185.371
8.620	185.221	-1.647			6.150	186.868	4.00	879+0.000	186.622	184.842	1.780	6.150	186.376	-4.00	6.150	185.419	-0.957	7.586	185.419
8.416	185.536	-1.511			6.150	187.047	4.00	879+0.000	186.801	185.318	1.483	6.150	186.555	-4.00	6.150	185.645	-0.910	7.515	185.645
7.532	186.425	-0.921			6.150	187.346	4.00	880+0.000	187.100	185.536	0.564	6.150	186.854	-4.00	6.150	186.132	-0.722	7.233	186.132
6.414	187.300	-0.176			6.150	187.476	4.00	880+0.000	187.210	186.983	0.247	6.150	186.984	-4.00	6.150	186.369	-0.615	7.072	186.369



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offet		Banqueta		Bordo		Estaca		Pontos		Cota		Banqueta		Bordo		Cota		Offet	
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
6.403	387,767	0.253		6.150	187,514	3.00	880+14.070			187,330	0.006	6.150	187,514	3.00	880+14.070	6.752	186,744	-0.403	
6.201	387,521	-0.034		6.150	187,555	2.01	881+0.000			187,331	-0.033	6.150	187,555	2.01	881+0.000	6.807	187,055	-0.192	
6.572	388,068	0.422		6.150	187,646	0.00	881+12.070			187,646	0.000	6.150	187,646	0.00	881+12.070	6.202	187,513	0.052	
6.518	388,480	0.768		6.150	187,712	-1.32	882+0.000			187,738	0.265	6.150	187,738	-3.00	882+0.000	6.165	187,623	0.015	
7.089	388,741	0.939		6.150	187,802	-3.00	882+10.070			187,807	-0.241	6.150	187,802	-3.00	882+10.070	6.473	187,586	-0.214	
7.112	389,017	1.016		6.150	188,001	-3.00	883+0.000			188,185	0.204	6.150	188,001	-3.00	883+0.000	6.235	187,944	-0.057	
7.122	389,039	0.972		6.150	188,067	-3.00	883+12.221		PTV	188,251	0.215	6.150	188,067	-3.00	883+12.221	6.279	187,981	-0.066	
7.056	389,073	0.906		6.150	188,167	-3.00	883+18.070		ST	188,351	0.232	6.150	188,167	-3.00	883+18.070	6.346	188,036	-0.131	
6.859	389,122	0.709		6.150	188,413	-3.00	884+0.000			188,598	0.157	6.150	188,413	-3.00	884+0.000	6.235	188,498	0.086	
6.556	389,232	0.406		6.150	188,826	-3.00	885+0.000			189,011	-0.145	6.150	188,826	-3.00	885+0.000	6.384	189,060	0.234	
7.331	390,420	1.181		6.150	189,239	-3.00	886+0.000			189,424	-0.249	6.150	189,239	-3.00	886+0.000	6.494	189,584	0.165	
8.759	392,261	2.609		6.150	189,652	-3.00	887+0.000			189,836	-0.453	6.150	189,652	-3.00	887+0.000	6.512	190,014	0.362	
9.896	393,811	3.746		6.150	190,065	-3.00	888+0.000			190,249	-0.618	6.150	190,065	-3.00	888+0.000	7.183	191,096	1.031	
10.321	394,649	4.171		6.150	190,478	-3.00	889+0.000			190,662	-1.074	6.150	190,478	-3.00	889+0.000	7.228	191,856	1.378	
10.340	395,081	4.190		6.150	190,891	-3.00	890+0.000			191,075	-1.500	6.150	190,891	-3.00	890+0.000	8.109	192,850	1.959	
9.693	394,847	3.543		6.150	191,304	-3.00	891+0.000			191,488	-1.418	6.150	191,304	-3.00	891+0.000	8.838	193,792	2.488	
10.879	395,446	4.730		6.150	191,716	-3.00	892+0.000			191,901	-1.886	6.150	191,716	-3.00	892+0.000	8.701	194,268	2.552	
9.482	395,461	3.332		6.150	192,129	-3.00	893+0.000			192,314	-1.874	6.150	192,129	-3.00	893+0.000	8.342	194,322	2.193	
9.721	395,113	3.571		6.150	192,542	-3.00	894+0.000			192,727	-1.874	6.150	192,542	-3.00	894+0.000	8.846	195,239	2.697	
9.712	396,517	3.562		6.150	192,955	-3.00	895+0.000			193,140	-1.857	6.150	192,955	-3.00	895+0.000	8.472	195,278	2.323	
9.788	397,006	3.638		6.150	193,368	-3.00	896+0.000			193,553	-1.888	6.150	193,368	-3.00	896+0.000	9.162	196,380	3.012	
9.885	397,516	3.735		6.150	193,781	-3.00	897+0.000			193,965	-1.890	6.150	193,781	-3.00	897+0.000	9.144	196,775	2.994	
9.994	398,038	3.844		6.150	194,194	-3.00	898+0.000			194,378	-1.973	6.150	194,194	-3.00	898+0.000	9.220	197,263	3.069	
9.913	398,369	3.762		6.150	194,607	-3.00	899+0.000			194,791	-1.964	6.150	194,607	-3.00	899+0.000	9.210	197,667	3.060	
9.609	398,479	3.659		6.150	195,020	-3.00	900+0.000			195,204	-1.764	6.150	195,020	-3.00	900+0.000	8.582	197,652	2.432	
9.270	398,552	3.119		6.150	195,433	-3.00	901+0.000			195,617	-1.625	6.150	195,433	-3.00	901+0.000	8.584	197,867	2.434	
8.850	398,546	2.701		6.150	195,845	-3.00	902+0.000			196,030	-1.397	6.150	195,845	-3.00	902+0.000	8.490	198,146	2.301	
8.663	398,772	2.514		6.150	196,258	-3.00	903+0.000			196,443	-1.171	6.150	196,258	-3.00	903+0.000	7.537	197,745	1.487	
9.005	399,526	2.855		6.150	196,671	-3.00	904+0.000			196,856	-0.826	6.150	196,671	-3.00	904+0.000	6.952	197,474	0.803	
7.558	398,492	1.408		6.150	197,084	-3.00	905+0.000			197,269	-0.466	6.150	197,084	-3.00	905+0.000	7.299	198,233	1.149	
6.919	398,266	0.769		6.150	197,497	-3.00	906+0.000			197,682	-0.011	6.150	197,497	-3.00	906+0.000	6.239	197,666	0.109	
6.290	398,050	0.140		6.150	197,910	-3.00	907+0.000			198,094	0.388	6.150	197,910	-3.00	907+0.000	6.804	197,474	-0.436	
7.495	397,426	-0.897		6.150	198,323	-3.00	908+0.000			198,507	0.751	6.150	198,323	-3.00	908+0.000	8.347	196,858	-1.465	
9.461	396,529	-2.209		6.150	198,736	-3.00	909+0.000			198,920	1.115	6.150	198,736	-3.00	909+0.000	9.700	196,369	-2.367	
9.861	395,674	-2.475		6.150	199,149	-3.00	910+0.000			199,333	1.385	6.150	199,149	-3.00	910+0.000	10.074	196,533	-2.616	
8.932	397,707	-1.855		6.150	199,562	-3.00	911+0.000			199,746	1.595	6.150	199,562	-3.00	911+0.000	9.905	197,058	-2.504	
8.364	398,499	-1.475		6.150	199,974	-3.00	912+0.000			200,159	1.857	6.150	199,974	-3.00	912+0.000	10.384	197,152	-2.822	
8.238	398,995	-1.392		6.150	200,387	-3.00	913+0.000			200,572	1.895	6.150	200,387	-3.00	913+0.000	9.279	198,301	-2.066	



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direto									
Eixo										Eixo									
Offet		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Projeto		Cota Terreno		Cota Vermelha		Bordo		Banqueta	
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
8.146	199.136	-1.331		6.150	200.467	-3.00	913+3.640	PCV	200.651	198.799	1.852	6.150	200.467	-3.00	9.007	198.162	-2.305		
7.508	199.911	-0.906		6.150	200.816	-3.00	914+0.000		201.001	199.185	1.816	6.150	200.816	-3.00	8.855	199.280	-1.536		
7.213	200.585	-0.709		6.150	201.294	-3.00	915+0.000		201.478	199.833	1.645	6.150	201.294	-3.00	8.078	200.009	-1.285		
6.446	202.117	0.296		6.150	201.821	-3.00	916+0.000		202.005	200.552	1.453	6.150	201.821	-3.00	7.329	200.035	-0.786		
6.595	202.842	0.445		6.150	202.397	-3.00	917+0.000		202.582	201.302	1.280	6.150	202.397	-3.00	7.085	201.774	-0.623		
6.929	203.801	0.778		6.150	203.023	-3.00	918+0.000		203.207	202.220	0.987	6.150	203.023	-3.00	6.989	202.463	-0.560		
6.874	204.422	0.724		6.150	203.698	-3.00	919+0.000		203.883	203.267	0.616	6.150	203.698	-3.00	7.019	203.118	-0.580		
6.747	205.019	0.596		6.150	204.423	-3.00	920+0.000		204.607	204.037	0.570	6.150	204.423	-3.00	6.707	204.051	-0.372		
6.654	205.700	0.503		6.150	205.197	-3.00	921+0.000		205.381	205.037	0.344	6.150	205.197	-3.00	6.400	204.970	-0.227		
7.040	206.910	0.890		6.150	206.020	-3.00	922+0.000		206.205	205.718	0.487	6.150	206.020	-3.00	6.564	205.744	-0.276		
7.230	208.063	1.170		6.150	206.893	-3.00	923+0.000		207.077	206.557	0.520	6.150	206.893	-3.00	6.750	207.493	0.600		
7.450	208.366	1.300		6.150	207.066	-3.00	923+3.640	PTV	207.251	206.850	0.401	6.150	207.066	-3.00	6.319	207.235	0.169		
7.780	209.428	1.629		6.150	207.799	-3.00	924+0.000		207.983	207.934	0.069	6.150	207.799	-3.00	6.554	208.203	0.404		
7.431	209.987	1.281		6.150	208.706	-3.00	925+0.000		208.690	209.015	-0.125	6.150	208.706	-3.00	6.329	208.865	0.179		
6.079	211.542	1.293		6.150	209.613	-3.00	926+0.000		209.797	210.063	-0.266	6.150	209.613	-3.00	7.003	210.466	0.853		
7.857	212.227	1.707		6.150	210.520	-3.00	927+0.000		210.704	211.056	-0.352	6.150	210.520	-3.00	7.434	211.784	1.264		
8.813	214.089	2.662		6.150	211.427	-3.00	928+0.000		211.611	212.136	-0.515	6.150	211.427	-3.00	7.771	213.048	1.621		
10.077	216.261	3.927		6.150	212.334	-3.00	929+0.000		212.518	213.274	-0.756	6.150	212.334	-3.00	8.405	214.679	2.345		
10.151	216.564	4.001		6.150	213.563	-3.00	929+5.059	PCV	212.748	213.575	-0.827	6.150	212.563	-3.00	8.521	214.934	2.371		
9.601	216.672	3.651		6.150	213.221	-3.00	930+0.000		213.406	214.235	-0.849	6.150	213.221	-3.00	8.269	215.340	2.119		
10.486	218.378	4.336		6.150	214.042	-3.00	931+0.000		214.226	215.460	-1.234	6.150	214.042	-3.00	9.056	216.948	2.906		
10.444	219.897	4.294		6.150	214.793	-3.00	932+0.000		214.978	216.386	-1.388	6.150	214.793	-3.00	8.674	217.317	2.524		
10.237	219.562	4.087		6.150	215.475	-3.00	933+0.000		215.659	216.987	-1.328	6.150	215.475	-3.00	8.609	217.934	2.459		
10.011	219.948	3.861		6.150	216.087	-3.00	934+0.000		216.272	217.612	-1.340	6.150	216.087	-3.00	8.397	218.314	2.247		
9.219	219.699	3.069		6.150	216.680	-3.00	935+0.000		216.614	218.190	-1.396	6.150	216.604	-3.00	7.731	218.211	1.581		
9.127	220.080	2.976		6.150	217.104	-3.00	936+0.000		217.288	218.969	-1.681	6.150	217.104	-3.00	7.750	218.703	1.599		
9.456	220.813	3.305		6.150	217.508	-3.00	937+0.000		217.692	219.621	-1.929	6.150	217.508	-3.00	7.794	219.092	1.584		
10.317	222.009	4.167		6.150	217.842	-3.00	938+0.000		218.027	220.145	-2.118	6.150	217.842	-3.00	8.475	220.168	2.326		
11.005	223.013	4.905		6.150	218.108	-3.00	939+0.000		218.292	220.601	-2.309	6.150	218.108	-3.00	8.538	220.486	2.388		
11.148	223.302	4.998		6.150	218.304	-3.00	940+0.000		218.488	220.875	-2.387	6.150	218.304	-3.00	8.898	221.052	2.748		
10.535	223.815	4.384		6.150	218.431	-3.00	941+0.000		218.615	220.788	-2.153	6.150	218.431	-3.00	8.488	220.764	2.338		
10.263	222.601	4.113		6.150	218.672	-3.00	942+0.000		218.672	220.388	-1.716	6.150	218.488	-3.00	8.261	220.599	2.111		
9.946	222.288	3.796		6.150	218.492	-3.00	943+5.059		218.676	220.210	-1.534	6.150	218.492	-3.00	8.312	220.653	2.165		
9.681	222.006	3.530		6.150	218.476	-3.00	943+0.000		218.660	219.914	-1.254	6.150	218.476	-3.00	7.808	220.134	1.658		
9.285	221.530	3.136		6.150	218.394	-3.00	944+0.000		218.579	219.446	-0.867	6.150	218.394	-3.00	6.955	219.199	0.805		
8.780	220.993	2.630		6.150	218.363	-3.00	944+5.059	PTV	218.547	219.335	-0.788	6.150	218.363	-3.00	7.078	219.291	0.928		
8.054	220.167	1.904		6.150	218.263	-3.00	945+0.000		218.447	218.871	-0.424	6.150	218.263	-3.00	6.812	218.925	0.662		
7.930	219.909	1.760		6.150	218.129	-3.00	946+0.000		218.114	218.318	-0.004	6.150	218.129	-3.00	7.169	219.146	1.019		



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Banqueta				Bordo				Cota Vermelha				Banqueta				Bordo				Cota Vermelha			
Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Altura (m)	Cota (m)	Alarg. (m)	Alarg. (m)
6,642	218,488	0,493		6,150	217,995	-3,00	947+0,000	0,393	217,787	0,393		6,150	217,995	-3,00		6,150	217,995	-3,00		6,150	217,995	-3,00	
6,892	217,367	-0,495		6,150	217,862	-3,00	948+0,000	0,894	217,242	0,894		6,150	217,862	-3,00		6,150	217,862	-3,00		6,150	217,862	-3,00	
7,477	216,843	-0,886		6,150	217,728	-3,00	949+0,000	1,075	216,937	1,075		6,150	217,728	-3,00		6,150	217,728	-3,00		6,150	217,728	-3,00	
7,815	216,484	-1,110		6,150	217,594	-3,00	950+0,000	1,399	216,380	1,399		6,150	217,594	-3,00		6,150	217,594	-3,00		6,150	217,594	-3,00	
7,932	216,272	-1,188		6,150	217,460	-3,00	951+0,000	1,251	216,646	1,251		6,150	217,460	-3,00		6,150	217,460	-3,00		6,150	217,460	-3,00	
8,891	215,507	-1,827		6,150	217,334	-3,00	951+18,911	PCV	217,518	216,283	1,235	6,150	217,334	-3,00		6,150	217,334	-3,00		6,150	217,334	-3,00	
8,825	215,544	-1,788		6,150	217,327	-3,00	952+0,000		217,511	216,284	1,247	6,150	217,327	-3,00		6,150	217,327	-3,00		6,150	217,327	-3,00	
9,436	215,034	-2,191		6,150	217,225	-3,00	953+0,000		217,409	216,076	1,333	6,150	217,225	-3,00		6,150	217,225	-3,00		6,150	217,225	-3,00	
8,801	215,413	-1,767		6,150	217,180	-3,00	954+0,000		217,386	216,109	1,256	6,150	217,180	-3,00		6,150	217,180	-3,00		6,150	217,180	-3,00	
8,054	215,909	-1,269		6,150	217,178	-3,00	954+5,657		217,368	216,170	1,193	6,150	217,178	-3,00		6,150	217,178	-3,00		6,150	217,178	-3,00	
7,944	215,997	-1,196		6,150	217,133	-3,00	955+0,000		217,378	216,135	1,183	6,150	217,133	-3,00		6,150	217,133	-3,00		6,150	217,133	-3,00	
7,731	216,210	-1,054		6,150	217,264	-3,00	956+0,000		217,448	216,276	1,173	6,150	217,264	-3,00		6,150	217,264	-3,00		6,150	217,264	-3,00	
7,108	216,754	-0,638		6,150	217,392	-3,00	957+0,000		217,576	216,598	1,068	6,150	217,392	-3,00		6,150	217,392	-3,00		6,150	217,392	-3,00	
6,670	217,231	-0,346		6,150	217,577	-3,00	958+0,000		217,762	216,720	1,042	6,150	217,577	-3,00		6,150	217,577	-3,00		6,150	217,577	-3,00	
6,329	217,999	0,179		6,150	217,820	-3,00	959+0,000		218,005	216,835	1,170	6,150	217,820	-3,00		6,150	217,820	-3,00		6,150	217,820	-3,00	
6,983	217,566	-0,556		6,150	218,121	-3,00	960+0,000		218,305	217,067	1,238	6,150	218,121	-3,00		6,150	218,121	-3,00		6,150	218,121	-3,00	
6,793	219,122	0,643		6,150	218,479	-3,00	961+0,000		218,663	217,369	1,294	6,150	218,479	-3,00		6,150	218,479	-3,00		6,150	218,479	-3,00	
6,269	218,814	-0,086		6,150	218,894	-3,00	962+0,000		219,078	217,684	1,394	6,150	218,894	-3,00		6,150	218,894	-3,00		6,150	218,894	-3,00	
6,388	219,208	-0,159		6,150	219,367	-3,00	963+0,000		219,551	218,237	1,314	6,150	219,367	-3,00		6,150	219,367	-3,00		6,150	219,367	-3,00	
7,024	219,314	-0,368		6,150	219,897	-3,00	964+0,000		220,084	219,015	1,066	6,150	219,897	-3,00		6,150	219,897	-3,00		6,150	219,897	-3,00	
7,454	219,615	-0,869		6,150	220,484	-3,00	965+0,000		220,669	219,769	0,900	6,150	220,484	-3,00		6,150	220,484	-3,00		6,150	220,484	-3,00	
6,299	221,030	-0,100		6,150	221,130	-3,00	966+0,000		221,314	220,484	0,830	6,150	221,130	-3,00		6,150	221,130	-3,00		6,150	221,130	-3,00	
7,213	222,855	1,063		6,150	221,792	-3,00	966+18,911	PTV	221,977	221,211	0,766	6,150	221,792	-3,00		6,150	221,792	-3,00		6,150	221,792	-3,00	
7,272	222,894	1,122		6,150	221,832	-3,00	967+0,000		222,017	221,250	0,767	6,150	221,832	-3,00		6,150	221,832	-3,00		6,150	221,832	-3,00	
6,449	222,233	0,299		6,150	221,934	-3,00	967+2,803	PCV	222,119	221,345	0,774	6,150	221,934	-3,00		6,150	221,934	-3,00		6,150	221,934	-3,00	
8,010	224,997	1,860		6,150	222,537	-3,00	968+0,000		222,722	221,894	0,828	6,150	222,537	-3,00		6,150	222,537	-3,00		6,150	222,537	-3,00	
8,658	225,689	2,508		6,150	223,181	-3,00	969+0,000		223,365	222,860	0,505	6,150	223,181	-3,00		6,150	223,181	-3,00		6,150	223,181	-3,00	
8,515	225,678	2,365		6,150	223,313	-3,00	969+4,557	TS	223,497	223,013	0,484	6,150	223,313	-3,00		6,150	223,313	-3,00		6,150	223,313	-3,00	
7,592	225,204	1,442		6,150	223,762	-3,00	970+0,000		223,846	223,685	0,161	6,150	223,762	-3,00		6,150	223,762	-3,00		6,150	223,762	-3,00	
7,114	225,244	0,964		6,150	224,280	-3,00	971+0,000		224,465	224,709	-0,244	6,150	224,280	-3,00		6,150	224,280	-3,00		6,150	224,280	-3,00	
8,017	226,364	1,867		6,150	224,497	-3,00	971+9,142		224,681	225,087	-0,406	6,150	224,497	-3,00		6,150	224,497	-3,00		6,150	224,497	-3,00	
7,889	226,476	1,739		6,150	224,737	-3,00	972+0,000		224,921	225,546	-0,625	6,150	224,737	-3,00		6,150	224,737	-3,00		6,150	224,737	-3,00	
7,883	226,632	1,243		6,150	224,889	-3,00	972+7,357		225,074	225,884	-0,790	6,150	224,889	-3,00		6,150	224,889	-3,00		6,150	224,889	-3,00	
7,863	226,844	1,713		6,150	225,131	-3,00	973+0,000		225,315	226,248	-0,933	6,150	225,131	-3,00		6,150	225,131	-3,00		6,150	225,131	-3,00	
7,761	226,819	1,611		6,150	225,208	-3,00	973+4,557	SC	225,393	226,380	-0,987	6,150	225,208	-3,00		6,150	225,208	-3,00		6,150	225,208	-3,00	
7,757	226,837	1,607		6,150	225,230	-3,00	973+5,971		225,414	226,414	-1,000	6,150	225,230	-3,00		6,150	225,230	-3,00		6,150	225,230	-3,00	
8,711	228,024	2,561		6,150	225,463	-3,00	974+0,000		225,647	226,985	-1,338	6,150	225,463	-3,00		6,150	225,463	-3,00		6,150	225,463	-3,00	
9,348	228,970	3,238		6,150	225,732	-3,00	975+0,000		225,916	227,776	-1,860	6,150	225,732	-3,00		6,150	225,732	-3,00		6,150	225,732	-3,00	



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offset		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Terreno		Cota Vermelho		Bordo		Banqueta		Offset	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
10.157	229.946	4.007		6.150	225.939	-3.00	976+0.000			226.123	228.473	-2.350	6.150	226.308	3.00			9.419	225.576
10.481	230.367	4.331		6.150	226.036	-3.00	976+12.413			226.220	228.812	-2.592	6.150	226.405	3.00			9.793	230.048
10.623	230.556	4.473		6.150	226.083	-3.00	977+0.000			226.268	229.012	-2.744	6.150	226.452	3.00			9.936	230.239
10.631	230.579	4.480		6.150	226.099	-3.00	977+2.803		PTV	226.283	229.050	-2.767	6.150	226.468	3.00			9.971	230.289
10.104	230.200	4.011		6.150	226.189	-3.00	978+0.000			226.373	229.282	-2.919	6.150	226.558	3.00			9.691	230.099
10.049	230.192	3.898		6.150	226.294	-3.00	979+0.000			226.478	229.566	-2.488	6.150	226.653	3.00			9.411	229.923
9.618	229.862	3.468		6.150	226.394	-3.00	979+19.216			226.579	229.111	-1.552	6.150	226.763	3.00			8.611	229.224
9.529	229.777	3.379		6.150	226.398	-3.00	980+0.000			226.583	228.109	-1.526	6.150	226.767	3.00			8.573	229.190
9.473	229.724	3.323		6.150	226.401	-3.00	980+0.070		CS	226.586	228.095	-1.510	6.150	226.770	3.00			8.549	229.169
7.827	228.167	1.677		6.150	226.490	-3.00	980+17.470			226.674	227.532	-0.848	6.150	226.874	0.00			8.285	228.809
7.801	228.154	1.651		6.150	226.503	-3.00	981+0.000			226.687	227.411	-0.734	6.150	226.862	-0.43			8.092	228.544
6.918	227.333	0.768		6.150	226.585	-3.00	981+15.684			226.770	226.867	-0.097	6.150	226.955	-3.00			6.619	227.054
6.545	227.003	0.395		6.150	226.608	-3.00	982+0.000			226.792	226.679	0.113	6.150	226.698	-3.00			6.371	226.829
7.372	225.898	-0.844		6.150	226.712	-3.00	983+0.000			226.697	225.932	0.965	6.150	226.712	-3.00			7.467	225.834
9.073	224.668	-1.949		6.150	226.817	-3.00	984+0.000			227.002	225.413	1.589	6.150	226.817	-3.00			9.554	224.547
9.087	224.661	-1.959		6.150	226.820	-3.00	984+0.070		ST	227.004	225.404	1.600	6.150	226.820	-3.00			9.587	224.528
10.067	224.310	-2.612		6.150	226.932	-3.00	985+0.000			227.106	225.136	1.970	6.150	226.932	-3.00			11.865	223.445
10.086	224.395	-2.631		6.150	227.006	-3.00	986+0.000			227.111	225.134	2.057	6.150	227.006	-3.00			12.084	223.070
8.852	225.330	-1.801		6.150	227.131	-3.00	987+0.000			227.316	225.319	1.997	6.150	227.131	-3.00			10.246	224.601
8.009	225.997	-1.239		6.150	227.236	-3.00	988+0.000			227.420	225.495	1.925	6.150	227.236	-3.00			8.900	225.362
7.423	226.492	-0.849		6.150	227.341	-3.00	989+0.000			227.525	225.692	1.833	6.150	227.341	-3.00			8.919	225.495
6.554	227.176	-0.789		6.150	227.445	-3.00	990+0.000			227.630	226.300	1.430	6.150	227.445	-3.00			6.976	227.161
6.279	227.679	0.129		6.150	227.550	-3.00	991+0.000			227.735	226.692	1.043	6.150	227.550	-3.00			6.257	227.479
6.649	228.154	0.499		6.150	227.655	-3.00	992+0.000			227.839	227.480	0.359	6.150	227.655	-3.00			6.976	228.481
7.670	229.279	1.520		6.150	227.759	-3.00	993+0.000			227.944	228.152	-0.208	6.150	227.759	-3.00			7.138	228.747
7.832	229.466	1.683		6.150	227.783	-3.00	993+1.554		PCV	227.948	228.341	-0.373	6.150	227.783	-3.00			7.467	229.100
8.393	230.088	2.244		6.150	227.844	-3.00	994+0.000			228.029	228.980	-0.951	6.150	227.844	-3.00			8.690	230.344
8.745	230.461	2.595		6.150	227.866	-3.00	994+16.123			228.050	229.588	-1.538	6.150	227.866	-3.00			7.812	229.528
9.104	230.818	2.953		6.150	227.865	-3.00	995+0.000			228.049	229.735	-1.686	6.150	227.865	-3.00			8.142	229.857
10.126	231.795	3.976		6.150	227.819	-3.00	996+0.000			228.003	230.122	-2.119	6.150	227.819	-3.00			9.234	230.903
10.796	232.312	4.606		6.150	227.706	-3.00	997+0.000			227.891	230.278	-2.387	6.150	227.706	-3.00			10.029	231.585
10.338	231.716	4.188		6.150	227.528	-3.00	998+0.000			227.712	229.707	-1.995	6.150	227.528	-3.00			10.023	231.400
10.137	231.269	3.986		6.150	227.283	-3.00	999+0.000			227.467	229.143	-1.676	6.150	227.283	-3.00			9.970	230.603
9.387	230.209	3.238		6.150	226.971	-3.00	1000+0.000			227.156	228.617	-1.461	6.150	226.971	-3.00			8.957	229.778
8.580	229.043	2.430		6.150	226.613	-3.00	1001+0.000			226.798	227.692	-0.894	6.150	226.613	-3.00			8.465	228.929
7.967	228.071	1.817		6.150	226.254	-3.00	1002+0.000			226.438	225.229	1.209	6.150	226.254	-3.00			7.682	227.786
6.456	226.199	0.305		6.150	225.894	-3.00	1003+0.000			226.078	225.839	0.239	6.150	225.894	-3.00			6.404	226.147
6.319	225.703	0.169		6.150	225.534	-3.00	1004+0.000			225.719	225.488	0.551	6.150	225.534	-3.00			6.382	225.247



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alim. (m)	Cota (m)	Altura (m)	Alim. (m)	Alim. (m)	Cota (m)	Alim. (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Alim. (m)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Alim. (m)
7.298	224.088	-0.765																					
7.659	224.171	-1.006																					
7.079	224.254	-0.620																					
7.071	224.032	-0.614																					
6.843	224.033	-0.462																					
7.954	223.216	-1.209																					
7.943	223.214	-1.196																					
7.727	223.367	-1.052																					
9.170	222.481	-2.013																					
8.743	222.917	-1.728																					
7.140	224.149	-0.660																					
6.815	224.426	-0.444																					
6.213	225.179	0.953																					
6.870	226.082	0.720																					
7.210	226.668	1.060																					
7.983	227.687	1.833																					
8.169	228.120	2.020																					
6.828	227.025	0.879																					
6.213	226.550	-0.042																					
7.275	226.089	-0.749																					
7.603	225.982	-0.969																					
7.432	226.242	-0.855																					
9.185	225.408	-2.023																					
9.247	225.785	-2.066																					
7.649	227.354	-0.999																					
7.810	227.814	-1.107																					
7.412	228.772	-0.841																					
6.521	220.122	-0.247																					
6.858	220.738	-0.472																					
7.168	232.641	1.019																					
7.201	233.175	1.051																					
7.205	234.100	1.055																					
7.329	235.146	1.179																					
6.851	235.591	0.702																					
6.688	235.848	0.538																					
6.584	235.515	-0.289																					
6.752	237.261	0.602																					
6.468	237.760	0.317																					



Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Banco										Banco									
Banqueta					Banqueta					Banqueta					Banqueta				
Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Alarg. (m)	Cota (m)	Alarg. (m)	Cota (m)	Alarg. (m)
6.171	238.175	0.020			6.150	238.155	-3.00			6.150	238.015	0.324			6.150	238.155	-3.00		
6.397	239.042	0.247			6.150	238.795	-3.00			6.150	238.831	0.129			6.150	238.795	-3.00		
6.176	239.390	0.026			6.150	239.364	-3.00			6.150	239.282	0.266			6.150	239.364	-3.00		
6.657	240.868	0.507			6.150	239.861	-3.00			6.150	239.960	0.086			6.150	239.861	-3.00		
6.523	240.660	0.373			6.150	240.287	-3.00			6.150	240.319	0.153			6.150	240.287	-3.00		
6.550	241.041	0.400			6.150	240.641	-3.00			6.150	240.645	0.181			6.150	240.641	-3.00		
6.165	240.914	-0.030			6.150	240.924	-3.00			6.150	240.934	0.175			6.150	240.924	-3.00		
6.344	241.333	0.194			6.150	241.139	-3.00			6.150	241.168	0.156			6.150	241.139	-3.00		
6.214	241.273	-0.040			6.150	241.316	-3.00			6.150	241.312	0.089			6.150	241.316	-3.00		
6.241	241.552	0.091			6.150	241.461	-3.00			6.150	241.535	0.111			6.150	241.461	-3.00		
6.201	241.540	-0.034			6.150	241.574	-3.00			6.150	241.604	0.155			6.150	241.574	-3.00		
6.311	241.548	-0.108			6.150	241.656	-3.00			6.150	241.596	0.244			6.150	241.656	-3.00		
6.602	241.404	-0.302			6.150	241.706	-3.00			6.150	241.406	0.084			6.150	241.706	-3.00		
6.840	241.263	-0.461			6.150	241.724	-3.00			6.150	241.492	0.416			6.150	241.724	-3.00		
6.841	241.263	-0.461			6.150	241.724	-3.00			6.150	241.488	0.420			6.150	241.724	-3.00		
6.757	241.305	-0.406			6.150	241.710	-3.00			6.150	241.508	0.386			6.150	241.710	-3.00		
6.639	241.338	-0.326			6.150	241.664	-3.00			6.150	241.382	0.466			6.150	241.664	-3.00		
6.485	241.363	-0.224			6.150	241.587	-3.00			6.150	241.230	0.541			6.150	241.587	-3.00		
7.026	240.894	-0.583			6.150	241.477	-3.00			6.150	241.139	0.523			6.150	241.477	-3.00		
6.674	240.897	-0.340			6.150	241.326	-3.00			6.150	240.978	0.543			6.150	241.326	-3.00		
6.647	240.832	-0.331			6.150	241.163	-3.00			6.150	240.811	0.537			6.150	241.163	-3.00		
6.537	240.701	-0.258			6.150	240.959	-3.00			6.150	240.574	0.569			6.150	240.959	-3.00		
6.558	240.450	-0.272			6.150	240.722	-3.00			6.150	240.354	0.553			6.150	240.722	-3.00		
6.571	240.294	-0.281			6.150	240.575	-3.00			6.150	240.230	0.509			6.150	240.575	-3.00		
6.832	240.001	-0.454			6.150	240.457	-3.00			6.150	240.140	0.502			6.150	240.457	-3.00		
6.453	239.985	-0.202			6.150	240.187	-3.00			6.150	240.371	0.401			6.150	240.187	-3.00		
6.339	239.791	-0.126			6.150	239.917	-3.00			6.150	239.673	0.428			6.150	239.917	-3.00		
6.568	239.368	-0.278			6.150	239.646	-3.00			6.150	239.306	0.525			6.150	239.646	-3.00		
6.398	239.211	-0.165			6.150	239.376	-3.00			6.150	239.179	0.382			6.150	239.376	-3.00		
6.411	238.932	-0.174			6.150	239.106	-3.00			6.150	238.763	0.527			6.150	239.106	-3.00		
6.211	238.795	-0.041			6.150	238.836	-3.00			6.150	238.622	0.408			6.150	238.836	-3.00		
6.215	238.522	-0.048			6.150	238.565	-3.00			6.150	238.374	0.376			6.150	238.565	-3.00		
6.245	238.232	-0.063			6.150	238.295	-3.00			6.150	238.097	0.383			6.150	238.295	-3.00		
6.194	237.996	-0.029			6.150	238.025	-3.00			6.150	237.937	0.272			6.150	238.025	-3.00		
6.475	237.538	-0.216			6.150	237.754	-3.00			6.150	237.679	0.260			6.150	237.754	-3.00		
6.287	237.621	0.137			6.150	237.484	-3.00			6.150	237.407	0.262			6.150	237.484	-3.00		
6.408	237.472	0.258			6.150	237.214	-3.00			6.150	237.040	0.358			6.150	237.214	-3.00		
6.206	246.999	0.055			6.150	236.944	-3.00			6.150	236.754	0.374			6.150	236.944	-3.00		



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Nota de Serviço de Terraplenagem													
Rodovia : MT-339/248													
Lado Esquerdo										Lado Direto			
Offset		Banqueta				Eixo		Bordo		Banqueta		Offset	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Termino	Cota Vermelha	Alim. (m)	Cota (m)	Alim. (m)
6.380	236.904	0.231		6.150	236.673	-3.00	1073+0.000		236.898	236.678	0.380	6.150	236.673
6.212	236.465	0.062		6.150	236.403	-3.00	1074+0.000		236.588	236.408	0.190	6.150	236.403
6.235	236.076	-0.057		6.150	236.133	-3.00	1075+0.000		236.317	235.948	0.369	6.150	236.133
6.243	235.800	-0.069		6.150	235.863	-3.00	1076+0.000		236.047	235.623	0.424	6.150	235.863
6.188	235.567	-0.026		6.150	235.592	-3.00	1077+0.000		235.771	235.325	0.452	6.150	235.592
6.176	235.484	-0.017		6.150	235.501	-3.00	1077+6.752	PCV	235.686	235.200	0.486	6.150	235.501
6.199	235.367	0.049		6.150	235.318	-3.00	1078+0.000		235.502	234.963	0.539	6.150	235.318
6.199	234.992	-0.032		6.150	235.024	-3.00	1079+0.000		235.209	234.613	0.596	6.150	235.024
6.275	234.836	0.125		6.150	234.711	-3.00	1080+0.000		234.895	234.421	0.674	6.150	234.711
6.362	234.590	0.212		6.150	234.378	-3.00	1081+0.000		234.562	234.122	0.440	6.150	234.378
6.330	234.205	0.180		6.150	234.025	-3.00	1082+0.000		234.269	233.752	0.457	6.150	234.025
6.832	233.197	-0.454		6.150	233.651	-3.00	1083+0.000		233.826	233.148	0.688	6.150	233.651
6.163	233.250	-0.008		6.150	233.258	-3.00	1084+0.000		233.448	232.925	0.518	6.150	233.258
6.392	233.088	0.242		6.150	232.846	-3.00	1085+0.000		233.030	232.359	0.471	6.150	232.846
6.358	232.621	0.208		6.150	232.413	-3.00	1086+0.000		232.597	232.130	0.467	6.150	232.413
6.761	232.571	0.611		6.150	231.960	-3.00	1087+0.000		232.146	231.744	0.401	6.150	231.960
6.491	232.144	0.341		6.150	231.803	-3.00	1087+6.752	PV	231.987	231.616	0.371	6.150	231.803
6.488	231.300	-0.182		6.150	231.492	-3.00	1088+0.000		231.676	231.333	0.343	6.150	231.492
6.670	231.542	0.520		6.150	231.022	-3.00	1089+0.000		231.207	230.914	0.293	6.150	231.022
6.511	230.914	0.361		6.150	230.553	-3.00	1089+0.000		230.737	230.331	0.266	6.150	230.553
6.203	230.136	0.052		6.150	230.084	-3.00	1091+0.000		230.268	229.952	0.316	6.150	230.084
6.399	229.863	0.249		6.150	229.614	-3.00	1091+0.000		229.799	229.392	0.407	6.150	229.614
6.560	229.709	0.410		6.150	229.299	-3.00	1092+13.416	PCV	229.483	229.054	0.429	6.150	229.299
6.546	229.516	0.396		6.150	229.140	-3.00	1093+0.000		229.325	228.800	0.525	6.150	229.140
6.280	228.731	0.130		6.150	228.603	-3.00	1094+0.000		228.797	228.357	0.430	6.150	228.603
6.425	228.219	0.276		6.150	227.983	-3.00	1095+0.000		228.168	227.667	0.301	6.150	227.983
7.189	228.320	1.038		6.150	227.282	-3.00	1096+0.000		227.466	227.039	-0.037	6.150	227.282
6.761	227.109	0.611		6.150	226.498	-3.00	1097+0.000		226.682	226.588	0.094	6.150	226.498
7.891	226.573	0.941		6.150	225.632	-3.00	1098+0.000		225.816	225.589	0.227	6.150	225.632
7.412	225.946	1.262		6.150	224.684	-3.00	1099+0.000		224.868	224.606	0.262	6.150	224.684
7.883	224.934	0.933		6.150	224.001	-3.00	1099+13.416	PV	224.185	223.971	0.214	6.150	224.001
6.895	224.404	0.746		6.150	223.658	-3.00	1100+0.000		223.843	223.603	0.240	6.150	223.658
6.261	222.745	0.131		6.150	222.614	-3.00	1101+0.000	TS	222.798	222.479	0.319	6.150	222.614
6.505	222.859	0.355		6.150	222.504	-3.00	1102+2.106		222.688	222.363	0.325	6.150	222.504
6.912	222.332	0.763		6.150	221.569	-3.00	1102+0.000		221.754	221.326	0.428	6.150	221.569
6.302	220.790	-0.104		6.150	220.891	-3.00	1102+13.002	PCV	221.075	220.499	0.576	6.150	220.891
6.648	220.201	-0.331		6.150	220.532	-3.00	1103+0.000		220.717	220.227	0.460	6.150	220.532
6.843	219.126	-0.462		6.150	219.588	-3.00	1104+0.000		219.770	219.311	0.451	6.150	219.588
6.843	219.126	-0.462		6.150	219.588	-3.00	1104+0.000		219.770	219.311	0.451	6.150	219.588



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offset		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Projeto		Cota Terreno		Cota Vermelha		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.760	218.851	-0.407		6.150	219.258	-3.00	1104+7.645			219.442	218.889	0.533	6.150	219.258	-3.00	6.888	219.946	0.688	
6.883	218.996	-0.488		6.150	218.884	0.99	1109+0.000			218.946	218.296	0.649	6.150	218.760	-3.00	6.833	218.572	-0.188	
6.938	218.191	-0.525		6.150	218.716	0.00	1106+6.106			218.716	218.016	0.700	6.150	218.531	-3.00	6.521	218.384	-0.247	
7.359	217.590	-0.805		6.150	218.395	2.61	1109+0.000			218.235	217.212	1.023	6.150	218.050	-3.00	6.306	217.947	-0.103	
7.374	217.536	-0.816		6.150	218.352	3.00	1106+2.106	SC		218.167	217.106	1.061	6.150	217.983	-3.00	6.387	217.838	-0.145	
7.327	217.489	-0.785		6.150	218.274	3.00	1106+4.568			218.089	217.002	1.087	6.150	217.905	-3.00	6.541	217.644	-0.261	
7.607	216.856	-0.971		6.150	217.827	3.00	1107+0.000			217.642	216.326	1.316	6.150	217.458	-3.00	7.621	216.477	-0.981	
8.549	215.752	-1.599		6.150	217.351	3.00	1108+0.000			217.167	215.688	1.509	6.150	216.982	-3.00	6.379	217.212	0.230	
13.662	211.886	-5.007		6.150	216.993	3.00	1109+0.000			216.809	214.933	1.876	6.150	216.604	-3.00	11.452	211.090	-3.534	
12.169	212.740	-4.013		6.150	216.753	3.00	1110+0.000			216.568	214.497	2.071	6.150	216.384	-3.00	11.916	212.539	-3.845	
13.665	211.619	-5.010		6.150	216.629	3.00	1111+0.000			216.406	214.470	1.975	6.150	216.260	-3.00	11.739	212.521	-3.738	
13.278	211.860	-4.751		6.150	216.611	3.00	1111+11.040			216.427	214.603	1.824	6.150	216.242	-3.00	10.596	213.278	-2.964	
12.924	212.107	-4.516		6.150	216.623	3.00	1112+0.000			216.439	214.870	1.569	6.150	216.254	-3.00	9.498	214.022	-2.232	
8.873	214.867	-1.815		6.150	216.682	3.00	1112+13.002	PTV		216.498	215.269	1.229	6.150	216.313	-3.00	7.830	215.327	-0.986	
7.795	215.611	-1.096		6.150	216.727	3.00	1113+0.000			216.543	215.518	1.025	6.150	216.358	-3.00	6.426	216.174	-0.184	
6.187	216.831	-0.025		6.150	216.856	3.00	1114+0.000			216.672	216.521	0.151	6.150	216.487	-3.00	7.129	217.466	0.979	
8.605	219.440	2.455		6.150	216.985	3.00	1115+0.000			216.800	218.219	-1.419	6.150	216.616	-3.00	10.415	220.881	4.265	
11.086	222.048	4.934		6.150	217.114	3.00	1116+0.000			216.929	220.388	-3.469	6.150	216.745	-3.00	12.619	223.213	6.468	
12.784	223.860	6.634		6.150	217.226	3.00	1116+17.407			217.041	221.538	-4.857	6.150	216.857	-3.00	13.614	224.321	7.464	
13.051	224.144	6.901		6.150	217.243	3.00	1117+0.000			217.058	221.701	-4.443	6.150	216.874	-3.00	13.890	224.574	7.700	
13.332	224.614	7.243		6.150	217.371	3.00	1118+0.000			217.187	222.641	-5.454	6.150	217.002	-3.00	13.647	224.499	7.497	
12.613	223.963	6.463		6.150	217.500	3.00	1119+0.000			217.316	223.063	-5.747	6.150	217.131	-3.00	14.464	225.445	8.314	
11.977	223.456	5.827		6.150	217.629	3.00	1120+0.000			217.444	223.011	-5.567	6.150	217.260	-3.00	13.663	224.771	7.513	
11.610	223.218	5.460		6.150	217.758	3.00	1121+0.000			217.573	222.808	-5.235	6.150	217.389	-3.00	11.771	223.009	5.620	
11.121	222.858	4.971		6.150	217.887	3.00	1122+0.000			217.702	222.583	-4.851	6.150	217.518	-3.00	12.278	223.646	6.128	
10.651	222.517	4.502		6.150	218.015	3.00	1123+0.000			217.831	222.178	-4.347	6.150	217.646	-3.00	12.310	223.827	6.181	
10.113	222.107	3.963		6.150	218.144	3.00	1124+0.000			217.960	221.472	-3.512	6.150	217.775	-3.00	11.282	222.907	5.132	
9.390	221.513	3.240		6.150	218.273	3.00	1125+0.000			218.089	220.567	-2.478	6.150	217.904	-3.00	10.227	221.981	4.077	
8.602	220.854	2.452		6.150	218.402	3.00	1126+0.000			218.217	219.381	-1.164	6.150	218.033	-3.00	8.929	220.822	2.789	
6.448	218.828	0.297		6.150	218.531	3.00	1127+0.000			218.346	218.272	0.074	6.150	218.162	-3.00	6.533	218.544	0.382	
6.509	218.956	0.359		6.150	218.597	3.00	1127+10.246			218.412	217.970	0.442	6.150	218.238	-3.00	6.154	218.232	0.004	
6.532	218.994	0.381		6.150	218.613	3.00	1127+12.707	CS		218.428	217.872	0.556	6.150	218.244	-3.00	6.178	218.225	-0.019	
6.854	218.106	-0.469		6.150	218.575	1.63	1128+0.000			218.475	217.444	1.011	6.150	218.291	-3.00	7.286	217.533	-0.756	
7.847	217.400	-1.131		6.150	218.531	0.00	1128+8.707			218.531	217.161	1.370	6.150	218.347	-3.00	7.548	217.414	-0.933	
6.681	216.804	-1.687		6.150	218.491	-1.84	1129+0.000			218.604	216.767	1.837	6.150	218.419	-3.00	8.122	217.105	-1.314	
9.412	216.291	-2.175		6.150	218.466	-3.00	1129+7.169			218.650	216.479	2.171	6.150	218.466	-3.00	8.516	216.889	-1.577	
10.551	215.614	-2.934		6.150	218.733	-3.00	1130+0.000			218.733	215.907	2.826	6.150	218.548	-3.00	9.719	216.169	-2.379	
13.589	213.718	-4.999		6.150	218.677	-3.00	1131+0.000			218.662	215.460	3.402	6.150	218.677	-3.00	11.547	215.079	-3.598	



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Banqueta				Bordo				Cota Vermelha				Banqueta				Bordo				Cota Vermelha			
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)
Offet		Offet		Offet		Offet		Offet		Offet		Offet		Offet		Offet		Offet		Offet		Offet	
14.838	213.027	-5.779		6.150	218.806	-3.00	1132+0.000		218.990	215.300	3.690	6.150	218.806	-3.00	1131.119	214.160	-4.646		13.119	214.160	-4.646		
14.632	213.233	-5.655		6.150	218.888	-3.00	1132+12.707	ST	219.072	215.349	3.723	6.150	218.888	-3.00	11.981	215.267	-3.621		11.981	215.267	-3.621		
14.237	213.543	-5.352		6.150	219.353	-3.00	1134+0.000		219.119	215.454	3.665	6.150	219.353	-3.00	11.193	215.573	-3.362		11.193	215.573	-3.362		
11.286	215.639	-3.424		6.150	219.063	-3.00	1134+0.000		219.248	216.043	3.205	6.150	219.063	-3.00	9.800	216.630	-2.433		9.800	216.630	-2.433		
9.845	216.729	-2.468		6.150	219.182	-3.00	1135+0.000		219.377	216.720	2.657	6.150	219.182	-3.00	8.404	217.690	-1.502		8.404	217.690	-1.502		
8.501	217.754	-1.567		6.150	219.321	-3.00	1136+0.000		219.506	217.396	2.110	6.150	219.321	-3.00	7.509	218.415	-0.906		7.509	218.415	-0.906		
7.130	218.797	-0.655		6.150	219.450	-3.00	1137+0.000		219.634	218.340	1.294	6.150	219.450	-3.00	6.365	219.307	-0.141		6.365	219.307	-0.141		
6.308	219.473	-0.106		6.150	219.579	-3.00	1138+0.000		219.768	219.141	0.622	6.150	219.579	-3.00	6.385	219.489	-0.090		6.385	219.489	-0.090		
6.440	219.508	-0.200		6.150	219.708	-3.00	1139+0.000		219.892	219.983	-0.071	6.150	219.708	-3.00	6.979	220.137	0.429		6.979	220.137	0.429		
6.759	220.445	0.609		6.150	219.836	-3.00	1140+0.000		220.021	220.516	-0.495	6.150	219.836	-3.00	7.026	220.712	0.876		7.026	220.712	0.876		
7.279	221.094	1.129		6.150	219.965	-3.00	1141+0.000		220.150	220.881	-0.711	6.150	219.965	-3.00	7.354	221.169	1.204		7.354	221.169	1.204		
7.236	221.173	1.086		6.150	220.087	-3.00	1141+18.973	PCV	220.272	220.852	-0.580	6.150	220.087	-3.00	7.368	221.305	1.218		7.368	221.305	1.218		
7.231	221.175	1.081		6.150	220.094	-3.00	1142+0.000		220.278	220.853	-0.575	6.150	220.094	-3.00	7.369	221.313	1.219		7.369	221.313	1.219		
6.888	220.905	0.738		6.150	220.167	-3.00	1143+0.000		220.352	221.019	-0.667	6.150	220.167	-3.00	7.330	221.347	1.180		7.330	221.347	1.180		
6.841	220.860	0.690		6.150	220.170	-3.00	1143+4.462		220.354	220.996	-0.442	6.150	220.170	-3.00	7.311	221.331	1.161		7.311	221.331	1.161		
6.856	220.846	0.707		6.150	220.139	-3.00	1144+0.000		220.324	220.770	-0.446	6.150	220.139	-3.00	7.036	221.025	0.886		7.036	221.025	0.886		
6.943	220.802	0.792		6.150	220.010	-3.00	1145+0.000		220.194	220.545	-0.351	6.150	220.010	-3.00	7.267	221.127	1.117		7.267	221.127	1.117		
6.891	220.521	0.741		6.150	219.780	-3.00	1146+0.000		219.904	220.262	-0.298	6.150	219.780	-3.00	7.208	220.838	1.098		7.208	220.838	1.098		
6.573	219.872	0.423		6.150	219.449	-3.00	1147+0.000		219.633	219.941	-0.308	6.150	219.449	-3.00	7.205	220.504	1.055		7.205	220.504	1.055		
6.576	219.442	0.426		6.150	219.016	-3.00	1148+0.000		219.201	219.592	-0.391	6.150	219.016	-3.00	6.937	219.303	0.287		6.937	219.303	0.287		
7.034	219.367	0.884		6.150	218.483	-3.00	1149+0.000		218.667	218.917	-0.250	6.150	218.483	-3.00	6.344	218.677	0.194		6.344	218.677	0.194		
6.506	218.205	0.357		6.150	217.848	-3.00	1150+0.000		218.033	218.127	-0.094	6.150	217.848	-3.00	6.592	218.251	0.403		6.592	218.251	0.403		
6.643	218.208	0.493		6.150	217.715	-3.00	1150+3.853	TS	217.899	217.975	-0.076	6.150	217.715	-3.00	6.626	218.191	0.476		6.626	218.191	0.476		
6.188	217.151	0.038		6.150	217.113	-3.00	1151+0.000		217.297	217.262	0.035	6.150	217.113	-3.00	6.282	217.245	0.132		6.282	217.245	0.132		
6.485	216.099	-0.228		6.150	216.322	-3.00	1151+18.973	PTV	216.506	216.386	0.120	6.150	216.322	-3.00	6.244	216.259	-0.063		6.244	216.259	-0.063		
6.522	216.029	-0.248		6.150	216.277	-3.00	1152+0.000		216.461	216.338	0.123	6.150	216.277	-3.00	6.293	216.181	-0.096		6.293	216.181	-0.096		
6.742	215.000	-0.396		6.150	215.395	-3.00	1153+0.000		215.579	215.300	0.279	6.150	215.395	-3.00	6.692	215.034	-0.361		6.692	215.034	-0.361		
6.764	214.440	-0.470		6.150	214.850	-3.00	1153+12.353		215.034	214.641	0.393	6.150	214.850	-3.00	7.019	214.270	-0.580		7.019	214.270	-0.580		
6.858	214.121	-0.472		6.150	214.593	-4.69	1154+0.000		214.697	214.251	0.446	6.150	214.593	-3.00	6.996	213.946	-0.565		6.996	213.946	-0.565		
7.287	213.504	-0.799		6.150	214.263	0.00	1154+9.853		214.263	213.588	0.675	6.150	214.078	-3.00	6.886	213.588	-0.490		6.886	213.588	-0.490		
7.468	213.070	-0.879		6.150	213.949	2.17	1155+0.000		213.815	213.249	0.566	6.150	213.631	-3.00	6.794	213.208	-0.423		6.794	213.208	-0.423		
7.459	212.957	-0.878		6.150	213.830	3.00	1155+3.853	SC	213.645	213.109	0.536	6.150	213.461	-3.00	6.746	213.064	-0.397		6.746	213.064	-0.397		
7.527	212.757	-0.976		6.150	213.675	3.00	1155+7.353		213.491	212.987	0.504	6.150	213.306	-3.00	6.928	212.787	-0.519		6.928	212.787	-0.519		
6.860	212.644	-0.474		6.150	213.118	3.00	1156+0.000		212.933	212.381	0.552	6.150	212.749	-3.00	6.295	212.652	-0.097		6.295	212.652	-0.097		
7.233	211.514	-0.722		6.150	212.236	3.00	1157+0.000		212.051	211.020	1.031	6.150	211.867	-3.00	6.691	211.506	-0.361		6.691	211.506	-0.361		
7.703	210.443	-1.036		6.150	211.478	3.00	1157+17.179	PCV	211.294	209.940	1.354	6.150	211.109	-3.00	7.342	210.315	-0.794		7.342	210.315	-0.794		
7.830	210.235	-1.120		6.150	211.355	3.00	1158+0.000		211.170	209.751	1.419	6.150	210.986	-3.00	7.556	210.046	-0.938		7.556	210.046	-0.938		
7.992	209.302	-1.228		6.150	210.530	3.00	1159+0.000		210.346	208.992	1.354	6.150	210.161	-3.00	7.282	209.407	-0.754		7.282	209.407	-0.754		



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Lado Direito					Bordo					Banqueta				
Offet	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Offet	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)
7,639	202,239	-0,952								6,150	202,231	1,412	208,635	1,412	6,150	202,862	-3,00	7,317	202,085
8,788	203,016	-1,759								6,150	202,795	3,00	208,611	1,438	6,150	209,426	-3,00	8,569	207,813
9,673	204,802	-2,348								6,150	209,150	3,00	208,965	2,074	6,150	208,781	-3,00	9,604	206,478
11,362	205,119	-3,475								6,150	208,594	3,00	208,430	2,063	6,150	208,225	-3,00	10,371	205,411
11,796	204,364	-3,764								6,150	208,128	3,00	207,948	1,549	6,150	207,759	-3,00	9,948	205,227
11,365	204,483	-3,477								6,150	207,960	3,00	207,776	2,063	6,150	207,591	-3,00	10,449	204,726
11,688	204,199	-3,696								6,150	207,895	3,00	207,710	1,378	6,150	207,526	-3,00	10,565	204,582
10,896	204,480	-3,164								6,150	207,644	1,25	207,567	2,063	6,150	207,382	-3,00	9,768	204,970
10,508	204,669	-2,905								6,150	207,474	0,00	207,474	1,362	6,150	207,290	-3,00	9,895	204,793
10,722	204,083	-3,047								6,150	207,130	-2,43	207,280	2,059	6,150	207,095	-3,00	8,364	205,619
10,628	204,071	-3,065								6,150	207,096	-3,00	207,241	2,059	6,150	207,056	-3,00	8,198	205,691
10,903	203,730	-3,168								6,150	206,898	-3,00	207,083	2,058	6,150	206,888	-3,00	8,223	205,516
11,682	203,112	-3,698								6,150	206,800	-3,00	206,985	2,058	6,150	206,800	-3,00	8,096	205,503
11,508	203,220	-3,569								6,150	206,789	-3,00	206,974	2,058	6,150	206,789	-3,00	8,115	205,480
10,333	203,925	-2,789								6,150	206,714	-3,00	206,988	2,058	6,150	206,714	-3,00	8,374	205,231
9,381	204,515	-2,154								6,150	206,669	-3,00	206,933	2,058	6,150	206,669	-3,00	7,516	205,758
8,642	204,977	-1,661								6,150	206,638	-3,00	206,923	2,058	6,150	206,638	-3,00	7,683	205,649
6,415	206,386	-0,176								6,150	206,562	-3,00	206,747	2,058	6,150	206,562	-3,00	6,987	206,999
6,949	207,286	0,759								6,150	206,487	-3,00	206,671	2,058	6,150	206,487	-3,00	6,760	207,096
6,855	207,116	0,705								6,150	206,411	-3,00	206,596	2,072	6,150	206,411	-3,00	7,330	207,571
7,499	207,685	1,350								6,150	206,335	-3,00	206,520	2,072	6,150	206,335	-3,00	7,721	207,907
7,578	207,788	1,528								6,150	206,260	-3,00	206,444	2,072	6,150	206,260	-3,00	7,692	207,801
7,647	207,681	1,497								6,150	206,184	-3,00	206,369	2,072	6,150	206,184	-3,00	8,032	208,047
8,021	207,979	1,870								6,150	206,109	-3,00	206,293	2,072	6,150	206,109	-3,00	7,892	207,851
7,697	207,580	1,547								6,150	206,033	-3,00	206,217	2,072	6,150	206,033	-3,00	7,448	207,331
7,405	207,212	1,255								6,150	205,957	-3,00	206,142	2,068	6,150	205,957	-3,00	7,325	207,132
7,192	206,924	1,042								6,150	205,882	-3,00	206,066	2,068	6,150	205,882	-3,00	7,682	206,813
6,941	206,597	0,791								6,150	205,806	-3,00	205,990	2,058	6,150	205,806	-3,00	7,214	206,870
6,726	206,333	0,576								6,150	205,777	-3,00	205,962	2,058	6,150	205,777	-3,00	6,866	206,433
6,392	205,576	-0,161								6,150	205,737	-3,00	205,922	2,058	6,150	205,737	-3,00	6,164	205,728
8,134	204,397	-1,316								6,150	205,703	-3,00	205,887	2,048	6,150	205,703	-3,00	6,892	205,234
8,802	203,931	-1,788								6,150	205,669	-3,00	205,843	2,048	6,150	205,669	-3,00	7,415	204,589
9,582	203,416	-2,288								6,150	205,704	-3,00	205,888	2,048	6,150	205,704	-3,00	8,929	203,852
9,724	203,361	-2,382								6,150	205,743	-3,00	205,927	2,048	6,150	205,743	-3,00	9,313	203,634
11,334	202,362	-3,456								6,150	205,818	-3,00	206,003	2,041	6,150	205,818	-3,00	10,119	203,172
10,919	202,751	-3,179								6,150	205,530	-3,00	206,114	2,043	6,150	205,530	-3,00	10,961	203,122
10,082	203,470	-2,608								6,150	206,078	-3,00	206,263	1,580	6,150	206,078	-3,00	9,593	203,783
8,564	204,654	-1,609								6,150	206,263	-3,00	206,448	2,051	6,150	206,263	-3,00	7,567	205,119



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Nota de Serviço de Terraplenagem																							
Rodovia : MT-339/248												Eixo											
Lado Esquerdo						Lado Direito						Bordo						Banqueta					
Offet		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.511	206.244	-0.241		6.150	206.485	-3.00		6.150	206.485	-3.00		6.150	206.485	-3.00		6.150	206.485	-3.00		6.150	206.485	-3.00	
6.534	206.620	-0.123		6.150	206.743	-3.00		6.150	206.743	-3.00		6.150	206.743	-3.00		6.150	206.743	-3.00		6.150	206.743	-3.00	
6.638	207.140	0.288		6.150	206.852	-3.00		6.150	206.852	-3.00		6.150	206.852	-3.00		6.150	206.852	-3.00		6.150	206.852	-3.00	
6.745	207.616	0.595		6.150	207.031	-3.00		6.150	207.031	-3.00		6.150	207.031	-3.00		6.150	207.031	-3.00		6.150	207.031	-3.00	
7.058	208.230	0.909		6.150	207.321	-3.00		6.150	207.321	-3.00		6.150	207.321	-3.00		6.150	207.321	-3.00		6.150	207.321	-3.00	
7.135	208.597	0.985		6.150	207.612	-3.00		6.150	207.612	-3.00		6.150	207.612	-3.00		6.150	207.612	-3.00		6.150	207.612	-3.00	
6.723	208.475	0.572		6.150	207.903	-3.00		6.150	207.903	-3.00		6.150	207.903	-3.00		6.150	207.903	-3.00		6.150	207.903	-3.00	
6.726	208.532	0.576		6.150	207.956	-3.00		6.150	207.956	-3.00		6.150	207.956	-3.00		6.150	207.956	-3.00		6.150	207.956	-3.00	
6.978	208.990	0.828		6.150	208.162	-3.00		6.150	208.162	-3.00		6.150	208.162	-3.00		6.150	208.162	-3.00		6.150	208.162	-3.00	
6.788	208.968	0.638		6.150	208.330	-3.00		6.150	208.330	-3.00		6.150	208.330	-3.00		6.150	208.330	-3.00		6.150	208.330	-3.00	
6.626	208.880	0.476		6.150	208.404	-3.00		6.150	208.404	-3.00		6.150	208.404	-3.00		6.150	208.404	-3.00		6.150	208.404	-3.00	
6.549	208.807	0.399		6.150	208.408	-3.00		6.150	208.408	-3.00		6.150	208.408	-3.00		6.150	208.408	-3.00		6.150	208.408	-3.00	
6.681	208.915	0.531		6.150	208.384	-3.00		6.150	208.384	-3.00		6.150	208.384	-3.00		6.150	208.384	-3.00		6.150	208.384	-3.00	
6.162	208.283	0.012		6.150	208.271	-3.00		6.150	208.271	-3.00		6.150	208.271	-3.00		6.150	208.271	-3.00		6.150	208.271	-3.00	
6.287	207.974	-0.091		6.150	208.065	-3.00		6.150	208.065	-3.00		6.150	208.065	-3.00		6.150	208.065	-3.00		6.150	208.065	-3.00	
6.279	207.679	-0.086		6.150	207.765	-3.00		6.150	207.765	-3.00		6.150	207.765	-3.00		6.150	207.765	-3.00		6.150	207.765	-3.00	
6.154	207.376	0.005		6.150	207.371	-3.00		6.150	207.371	-3.00		6.150	207.371	-3.00		6.150	207.371	-3.00		6.150	207.371	-3.00	
6.274	206.801	-0.088		6.150	206.884	-3.00		6.150	206.884	-3.00		6.150	206.884	-3.00		6.150	206.884	-3.00		6.150	206.884	-3.00	
6.251	206.716	-0.088		6.150	206.784	-3.00		6.150	206.784	-3.00		6.150	206.784	-3.00		6.150	206.784	-3.00		6.150	206.784	-3.00	
7.287	205.990	-0.746		6.150	206.335	-3.00		6.150	206.335	-3.00		6.150	206.335	-3.00		6.150	206.335	-3.00		6.150	206.335	-3.00	
7.271	205.036	-0.747		6.150	205.783	-3.00		6.150	205.783	-3.00		6.150	205.783	-3.00		6.150	205.783	-3.00		6.150	205.783	-3.00	
6.475	205.015	-0.217		6.150	205.232	-3.00		6.150	205.232	-3.00		6.150	205.232	-3.00		6.150	205.232	-3.00		6.150	205.232	-3.00	
6.251	204.614	-0.067		6.150	204.681	-3.00		6.150	204.681	-3.00		6.150	204.681	-3.00		6.150	204.681	-3.00		6.150	204.681	-3.00	
7.031	203.943	-0.587		6.150	204.130	-3.00		6.150	204.130	-3.00		6.150	204.130	-3.00		6.150	204.130	-3.00		6.150	204.130	-3.00	
7.297	202.814	-0.766		6.150	203.579	-3.00		6.150	203.579	-3.00		6.150	203.579	-3.00		6.150	203.579	-3.00		6.150	203.579	-3.00	
6.817	202.583	-0.445		6.150	203.028	-3.00		6.150	203.028	-3.00		6.150	203.028	-3.00		6.150	203.028	-3.00		6.150	203.028	-3.00	
6.513	202.430	-0.242		6.150	202.672	-3.00		6.150	202.672	-3.00		6.150	202.672	-3.00		6.150	202.672	-3.00		6.150	202.672	-3.00	
6.520	202.442	-0.138		6.150	202.560	-3.00		6.150	202.560	-3.00		6.150	202.560	-3.00		6.150	202.560	-3.00		6.150	202.560	-3.00	
6.630	202.383	-0.084		6.150	202.467	-3.00		6.150	202.467	-3.00		6.150	202.467	-3.00		6.150	202.467	-3.00		6.150	202.467	-3.00	
7.178	202.362	0.174		6.150	202.188	-3.00		6.150	202.188	-3.00		6.150	202.188	-3.00		6.150	202.188	-3.00		6.150	202.188	-3.00	
7.984	202.112	0.189		6.150	201.923	-3.00		6.150	201.923	-3.00		6.150	201.923	-3.00		6.150	201.923	-3.00		6.150	201.923	-3.00	
8.081	201.749	0.077		6.150	201.672	-3.00		6.150	201.672	-3.00		6.150	201.672	-3.00		6.150	201.672	-3.00		6.150	201.672	-3.00	
8.672	201.324	-0.112		6.150	201.436	-3.00		6.150	201.436	-3.00		6.150	201.436	-3.00		6.150	201.436	-3.00		6.150	201.436	-3.00	
9.539	200.857	-0.336		6.150	201.213	-3.00		6.150	201.213	-3.00		6.150	201.213	-3.00		6.150	201.213	-3.00		6.150	201.213	-3.00	
10.223	200.525	-0.480		6.150	201.005	-3.00		6.150	201.005	-3.00		6.150	201.005	-3.00		6.150	201.005	-3.00		6.150	201.005	-3.00	
10.348	200.484	-0.468		6.150	200.947	-3.00		6.150	200.947	-3.00		6.150	200.947	-3.00		6.150	200.947	-3.00		6.150	200.947	-3.00	
10.311	200.380	-0.441		6.150	200.821	-3.00		6.150	200.821	-3.00		6.150	200.821	-3.00		6.150	200.821	-3.00		6.150	200.821	-3.00	
10.139	200.210	-0.446		6.150	200.656	-3.00		6.150	200.656	-3.00		6.150	200.656	-3.00		6.150	200.656	-3.00		6.150	200.656	-3.00	



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Nota de Serviço de Terraplenagem																																	
Rodovia : MT-339/248																																	
Lado Esquerdo												Lado Direito																					
Offet				Banqueta				Bordo				Estatá				Pontos Notáveis Horizontal		Pontos Notáveis Vertical		Cota Terreno		Cota Vermelha		Bordo				Banqueta				Offet	
Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)									Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Ind. (%)		Alim. (m)	Cota (m)	Altura (m)
10.534	199.916	-0.580		9.650	200.505	-3.00	1215+10.000					9.650	200.505	-3.00	1215+10.000				200.794	199.870	0.924	9.650	200.505	-3.00	1215+10.000		10.953	199.636	-0.869		10.953	199.636	-0.869
10.866	199.557	-0.811		9.650	200.368	-3.00	1216+0.000					9.650	200.368	-3.00	1216+0.000				200.657	199.822	0.835	9.650	200.368	-3.00	1216+0.000		10.886	199.677	-0.691		10.886	199.677	-0.691
11.018	199.333	-0.912		9.650	200.245	-3.00	1216+10.000					9.650	200.245	-3.00	1216+10.000				200.534	199.752	0.782	9.650	200.245	-3.00	1216+10.000		11.016	199.334	-0.911		11.016	199.334	-0.911
11.021	199.236	-0.914		9.650	200.240	-3.00	1216+10.463					9.650	200.240	-3.00	1216+10.463				200.529	199.749	0.780	9.650	200.240	-3.00	1216+10.463		11.032	199.318	-0.922		11.032	199.318	-0.922
10.684	199.443	-1.007		9.173	200.150	-3.00	1217+0.000					9.173	200.150	-3.00	1217+0.000				200.426	199.668	0.758	9.173	200.150	-3.00	1217+0.000		10.855	199.029	-1.121		10.855	199.029	-1.121
10.561	198.812	-1.299		8.673	200.071	-3.00	1217+10.000					8.673	200.071	-3.00	1217+10.000				200.331	199.591	0.740	8.673	200.071	-3.00	1217+10.000		10.012	199.178	-0.893		10.012	199.178	-0.893
10.400	198.521	-1.484		8.173	200.005	-3.00	1218+0.000					8.173	200.005	-3.00	1218+0.000				200.251	199.515	0.736	8.173	200.005	-3.00	1218+0.000		9.796	198.963	-1.042		9.796	198.963	-1.042
9.399	198.803	-1.151		7.673	199.954	-3.00	1218+10.000					7.673	199.954	-3.00	1218+10.000				200.184	199.361	0.823	7.673	199.954	-3.00	1218+10.000		9.028	199.051	-0.903		9.028	199.051	-0.903
8.084	199.309	-0.608		7.173	199.917	-3.00	1219+0.000					7.173	199.917	-3.00	1219+0.000				200.132	199.316	0.776	7.173	199.917	-3.00	1219+0.000		8.866	198.788	-1.129		8.866	198.788	-1.129
7.877	199.091	-0.802		6.673	199.893	-3.00	1219+10.000					6.673	199.893	-3.00	1219+10.000				200.094	199.242	0.852	6.673	199.893	-3.00	1219+10.000		8.345	198.779	-1.114		8.345	198.779	-1.114
7.671	198.886	-0.998		6.173	199.884	-3.00	1220+0.000					6.173	199.884	-3.00	1220+0.000				200.070	199.126	0.944	6.173	199.884	-3.00	1220+0.000		7.843	198.771	-1.113		7.843	198.771	-1.113
7.652	198.883	-1.001		6.150	199.884	-3.00	1220+0.463					6.150	199.884	-3.00	1220+0.463				200.069	199.119	0.950	6.150	199.884	-3.00	1220+0.463		7.824	198.768	-1.116		7.824	198.768	-1.116
7.968	198.663	-1.212		6.150	199.875	-3.00	1220+12.072					6.150	199.875	-3.00	1220+12.072				200.059	198.934	1.125	6.150	199.875	-3.00	1220+12.072		7.911	198.701	-1.174		7.911	198.701	-1.174
8.102	198.575	-1.301		6.150	199.876	-3.00	1220+16.761					6.150	199.876	-3.00	1220+16.761				200.061	198.839	1.222	6.150	199.876	-3.00	1220+16.761		7.954	198.674	-1.202		7.954	198.674	-1.202
7.941	198.685	-1.191		6.150	199.878	-3.00	1221+0.000					6.150	199.878	-3.00	1221+0.000				200.063	198.759	1.304	6.150	199.878	-3.00	1221+0.000		8.060	198.605	-1.273		8.060	198.605	-1.273
11.182	196.537	-3.356		6.150	199.882	-3.00	1222+0.000					6.150	199.882	-3.00	1222+0.000				200.076	198.606	1.470	6.150	199.882	-3.00	1222+0.000		9.866	197.414	-2.478		9.866	197.414	-2.478
9.293	197.810	-2.095		6.150	199.905	-3.00	1223+0.000					6.150	199.905	-3.00	1223+0.000				200.089	198.747	1.342	6.150	199.905	-3.00	1223+0.000		9.117	197.927	-1.978		9.117	197.927	-1.978
8.333	198.463	-1.455		6.150	199.918	-3.00	1224+0.000					6.150	199.918	-3.00	1224+0.000				200.103	198.837	1.266	6.150	199.918	-3.00	1224+0.000		9.076	197.968	-1.950		9.076	197.968	-1.950
8.071	198.651	-1.280		6.150	199.931	-3.00	1225+0.000					6.150	199.931	-3.00	1225+0.000				200.116	198.936	1.180	6.150	199.931	-3.00	1225+0.000		9.048	197.999	-1.932		9.048	197.999	-1.932
8.366	198.463	-1.478		6.150	199.941	-3.00	1225+14.431					6.150	199.941	-3.00	1225+14.431				200.125	199.103	1.022	6.150	199.941	-3.00	1225+14.431		8.938	198.349	-1.992		8.938	198.349	-1.992
8.429	198.429	-1.520		6.150	199.949	-3.00	1226+0.000					6.150	199.949	-3.00	1226+0.000				200.133	199.181	0.952	6.150	199.949	-3.00	1226+0.000		8.485	198.425	-1.524		8.485	198.425	-1.524
8.824	198.260	-1.768		6.150	200.043	-3.00	1227+0.000					6.150	200.043	-3.00	1227+0.000				200.127	199.329	0.898	6.150	200.043	-3.00	1227+0.000		8.443	198.514	-1.529		8.443	198.514	-1.529
7.888	199.075	-1.166		6.150	200.241	-3.00	1228+0.000					6.150	200.241	-3.00	1228+0.000				200.425	199.426	0.999	6.150	200.241	-3.00	1228+0.000		8.115	198.931	-1.310		8.115	198.931	-1.310
7.807	199.437	-1.105		6.150	200.542	-3.00	1229+0.000					6.150	200.542	-3.00	1229+0.000				200.727	199.584	1.143	6.150	200.542	-3.00	1229+0.000		7.968	199.337	-1.205		7.968	199.337	-1.205
8.235	199.558	-1.390		6.150	200.048	-3.00	1230+0.000					6.150	200.048	-3.00	1230+0.000				201.132	199.932	1.210	6.150	200.048	-3.00	1230+0.000		8.323	199.499	-1.449		8.323	199.499	-1.449
7.744	200.394	-1.003		6.150	201.457	-3.00	1231+0.000					6.150	201.457	-3.00	1231+0.000				201.642	200.573	1.069	6.150	201.457	-3.00	1231+0.000		8.095	200.194	-1.263		8.095	200.194	-1.263
7.614	201.094	-0.976		6.150	202.070	-3.00	1232+0.000					6.150	202.070	-3.00	1232+0.000				202.355	201.239	1.016	6.150	202.070	-3.00	1232+0.000		6.706	201.699	-0.371		6.706	201.699	-0.371
6.164	202.778	-0.009		6.150	202.787	-3.00	1233+0.000					6.150	202.787	-3.00	1233+0.000				202.972	202.430	0.542	6.150	202.787	-3.00	1233+0.000		6.233	202.871	0.084		6.233	202.871	0.084
6.298	203.401	0.148		6.150	203.253	-3.00	1233+11.649	TS				6.150	203.253	-3.00	1233+11.649				203.437	203.279	0.158	6.150	203.253	-3.00	1233+11.649		6.830	203.933	0.680		6.830	203.933	0.680
6.971	204.429	0.821		6.150	203.608	-3.00	1234+0.000					6.150	203.608	-3.00	1234+0.000				203.792	204.032	-0.240	6.150	203.608	-3.00	1234+0.000		7.460	204.918	1.310		7.460	204.918	1.310
7.752	206.134	1.601		6.150	204.533	-3.00	1235+0.000					6.150	204.533	-3.00	1235+0.000				204.717	205.786	-1.069	6.150	204.533	-3.00	1235+0.000		7.128	205.601	1.068		7.128	205.601	1.068
8.022	206.672	1.873		6.150	204.799	-3.00	1235+5.388					6.150	204.799	-3.00	1235+5.388				204.984	206.189	-1.205	6.150	204.799	-3.00	1235+5.388		7.490	206.139	1.340		7.490	206.139	1.340
7.782	206.896	1.632		6.150	205.364	-3.00	1235+14.431					6.150	205.364	-3.00	1235+14.431				205.448	206.872	-1.423	6.150	205.364	-3.00	1235+14.431		7.550	206.755	1.389		7.550	206.755	1.389
7.732	207.139	1.582		6.150	205.557	-3.00	1236+0.000					6.150	205.557	-3.00	1236+0.000				205.741	207.081	-1.340	6.150	205.557	-3.00	1236+0.000		7.638	207.173	1.468		7.638	207.173	1.468
7.725	207.324	1.575		6.150	205.749	-3.00	1236+3.649					6.150	205.749	-3.00	1236+3.649				205.933	207.255	-1.332	6.150	205.749	-3.00	1236+3.649		7.588	207.376	1.443		7.588	207.376	1.443
7.718	207.450	1.568		6.150	205.882	-3.00	1236+6.181					6.150	205.882	-3.00	1236+6.181				206.066	207.374	-1.308	6.150	205.882	-3.00	1236+6.181		7.575	207.517	1.425		7.575	207.517	1.425
7.425	207.839	1.275		6.150	206.564	-3.00	1237+0.000					6.150	206.564	-3.00	1237+0.000				206.748	208.093	-1.345	6.150	206.564	-3.00	1237+0.000		7.496	208.260	1.346		7.496	208.260	1.346
7.412	207.923	1.272		6.150	206.651	-3.00	1237+1.910					6.150	206.651	-3.00	1237+1.910				206.836	208.184	-1.348	6.150	206.651	-3.00	1237+1.910		7.461	208.331	1.311		7.461	208.331	1.311



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alast. (m)	Cota (m)	Altura (m)	Alast. (m)	Alast. (m)	Cota (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)	Alast. (m)
7.523	208.344	1.373																					
7.576	208.720	1.426																					
8.256	210.043	2.107																					
8.391	210.632	2.241																					
8.406	210.763	2.256																					
8.851	211.361	2.701																					
8.889	211.481	2.739																					
8.855	211.466	2.705																					
8.491	210.977	2.341																					
8.483	210.943	2.333																					
8.378	210.806	2.228																					
8.299	210.590	2.148																					
7.783	209.848	1.633																					
7.351	209.164	1.201																					
7.519	209.065	1.369																					
8.289	209.436	2.139																					
8.086	208.989	1.936																					
7.648	207.986	1.498																					
7.675	207.914	1.525																					
7.248	206.769	1.098																					
7.049	205.753	0.899																					
6.560	204.447	0.410																					
6.463	203.011	-0.208																					
6.726	202.557	-0.384																					
7.814	201.311	-1.109																					
8.353	200.232	-1.469																					
9.172	199.051	-2.026																					
8.196	199.151	-1.364																					
7.971	198.834	-1.214																					
8.728	197.946	-1.739																					
9.511	197.126	-2.241																					
9.137	197.161	-1.991																					
9.939	196.497	-2.526																					
11.304	195.541	-3.436																					
11.228	195.591	-3.386																					
9.307	196.910	-2.106																					
8.694	197.442	-1.696																					
9.577	197.060	-2.286																					



Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Projeto		Cota Terreno		Cota Vermelha		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
9.439	197.160	-2.188		6.150	199.362	3.00	1264+1.364			199.347	198.636	0.921	6.150	199.362	-3.00	7.835	198.506	-0.856	
8.256	198.126	-1.404		6.150	199.530	3.00	1264+13.364			199.315	199.274	-0.009	6.150	199.274	0.00	7.025	199.132	-0.583	
6.263	199.530	-0.076		6.150	199.606	3.00	1264+18.164	PC		199.291	200.086	-0.295	6.150	199.864	1.20	6.824	199.415	-0.449	
6.642	199.308	-0.328		6.150	199.636	3.00	1265+0.000			199.321	200.015	-0.84	6.150	199.923	1.66	6.942	199.395	-0.528	
7.777	198.644	-1.086		6.150	199.729	3.00	1265+5.364			199.313	199.805	0.108	6.150	200.098	3.00	7.322	199.316	-0.782	
9.382	197.857	-2.155		6.150	200.012	3.00	1266+0.000			200.196	199.225	0.971	6.150	200.381	3.00	7.870	199.234	-1.147	
8.695	199.175	-1.296		6.150	200.471	3.00	1267+0.000			200.056	199.594	1.062	6.150	200.840	3.00	8.167	199.496	-1.344	
7.651	200.015	-1.000		6.150	201.015	3.00	1268+0.000			201.202	200.141	1.059	6.150	201.384	3.00	7.607	200.413	-0.971	
7.412	200.789	-0.854		6.150	201.643	3.00	1269+0.000			201.828	200.847	0.881	6.150	202.012	3.00	7.880	201.204	-0.808	
7.202	201.175	-0.701		6.150	201.876	3.00	1269+6.800	PTV		202.061	201.071	0.990	6.150	202.245	3.00	7.469	201.405	-0.840	
6.960	201.797	-0.340		6.150	202.337	3.00	1270+0.000			202.322	201.483	1.039	6.150	202.706	3.00	7.588	201.761	-0.945	
7.381	202.216	-0.820		6.150	203.036	3.00	1271+0.000			203.221	202.052	1.169	6.150	203.405	3.00	6.977	202.854	-0.551	
8.868	201.923	-1.812		6.150	203.735	3.00	1272+0.000			203.920	202.785	1.135	6.150	204.104	3.00	7.378	203.286	-0.818	
9.243	201.913	-2.062		6.150	203.975	3.00	1272+6.867	PCV		204.160	203.170	0.990	6.150	204.344	3.00	7.600	203.378	-0.966	
9.234	201.992	-2.057		6.150	204.049	3.00	1273+4.979			204.233	203.308	0.925	6.150	204.418	3.00	7.559	203.678	-0.740	
9.365	202.280	-2.148		6.150	204.423	3.00	1273+0.000			204.607	204.022	0.585	6.150	204.792	3.00	6.180	204.772	-0.020	
7.008	205.020	0.858		6.150	205.062	3.00	1274+0.000			205.247	205.646	-0.399	6.150	205.431	3.00	6.993	206.274	0.843	
6.639	206.139	0.489		6.150	205.650	3.00	1275+0.000			205.834	207.062	-1.228	6.150	206.019	3.00	7.728	207.597	1.578	
8.072	208.108	1.922		6.150	206.186	3.00	1276+0.000			206.371	208.429	-2.058	6.150	206.555	3.00	8.647	209.052	2.497	
8.271	208.792	2.121		6.150	206.671	3.00	1277+0.000			206.855	209.964	-2.209	6.150	207.040	3.00	9.141	210.031	2.991	
7.760	208.714	1.610		6.150	207.104	3.00	1278+0.000			207.288	208.988	-1.700	6.150	207.473	3.00	8.447	209.770	2.297	
6.703	208.039	0.553		6.150	207.486	3.00	1279+0.000			207.670	208.573	-0.903	6.150	207.855	3.00	7.382	208.927	1.133	
6.606	208.156	0.457		6.150	207.699	3.00	1279+12.594			207.884	208.507	-0.623	6.150	208.068	3.00	6.911	208.829	0.761	
6.351	208.014	0.201		6.150	207.813	3.00	1279+19.794	PT		207.997	208.487	-0.490	6.150	208.071	1.20	6.984	208.905	0.834	
6.344	208.010	0.194		6.150	207.816	3.00	1280+0.000			208.000	208.486	-0.486	6.150	208.071	1.15	6.986	208.907	0.816	
6.188	207.922	0.038		6.150	207.884	3.00	1280+4.594			208.069	208.454	-0.385	6.150	208.069	0.00	7.036	208.955	0.886	
6.813	207.608	-0.442		6.150	208.050	3.00	1280+16.594			208.235	208.400	-0.165	6.150	208.050	-3.00	6.793	208.694	0.644	
6.899	207.595	-0.499		6.150	208.094	3.00	1281+0.000			208.279	208.404	-0.125	6.150	208.094	-3.00	6.632	208.557	0.463	
7.479	207.435	-0.886		6.150	208.321	3.00	1282+0.000			208.506	208.242	0.264	6.150	208.321	-3.00	6.520	208.691	0.370	
7.694	207.358	-1.029		6.150	208.387	3.00	1282+6.867	PTV		208.572	208.101	0.471	6.150	208.387	-3.00	6.380	208.517	0.130	
8.797	206.743	-1.765		6.150	208.508	3.00	1283+0.000			208.690	207.893	0.899	6.150	208.508	-3.00	6.006	208.271	-0.237	
12.472	204.477	-4.215		6.150	208.692	3.00	1284+0.000			208.876	207.647	1.229	6.150	208.692	-3.00	7.486	207.801	-0.891	
11.968	204.997	-3.878		6.150	208.875	3.00	1285+0.000			209.060	207.939	1.121	6.150	208.875	-3.00	6.770	208.462	-0.413	
6.259	209.168	0.109		6.150	209.059	3.00	1286+0.000			209.243	209.129	0.114	6.150	209.059	-3.00	8.398	211.307	2.248	
8.417	211.509	2.267		6.150	209.242	3.00	1287+0.000			209.427	211.445	-2.018	6.150	209.242	-3.00	10.279	213.372	4.130	
8.171	211.447	2.021		6.150	209.426	3.00	1288+0.000			209.610	211.947	-2.237	6.150	209.426	-3.00	9.860	211.136	3.710	
7.977	211.302	1.827		6.150	209.675	3.00	1288+5.352	PCV		209.660	211.621	-1.961	6.150	209.475	-3.00	9.700	213.025	3.550	
7.072	210.485	0.922		6.150	209.563	3.00	1289+0.000			209.748	210.958	-1.210	6.150	209.563	-3.00	8.505	211.918	2.555	



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Nota de Serviço de Terraplenagem																				
Rodovia : MT-339/248																				
Lado Esquerdo										Lado Direito										
Banqueta										Banqueta										
Offet		Banqueta		Bordo		Estaca		Pontos Notáveis		Eixo		Banqueta		Bordo		Banqueta		Offet		
Altura (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Terreno	Cota Vermelha	Alim. (m)	Incl. (%)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	
6.672	210.094	0.522		6.150	209.572	-3.00	1289+6.583		209.757			210.740	-0.983	6.150	209.572	-3.00		8.056	211.479	1.807
6.246	209.830	0.096		6.150	209.534	-3.00	1290+0.000		209.718			210.378	-0.660	6.150	209.534	-3.00		7.237	210.620	1.086
6.175	209.356	0.025		6.150	209.331	-3.00	1291+0.000		209.516			209.884	-0.468	6.150	209.331	-3.00		6.938	210.119	0.788
6.204	209.129	0.054		6.150	209.075	-3.00	1291+14.548	TS	209.240			209.802	-0.542	6.150	209.075	-3.00		7.256	210.183	1.106
6.208	209.114	0.058		6.150	209.056	-3.00	1291+15.460		209.240			209.788	-0.548	6.150	209.056	-3.00		7.287	210.193	1.137
6.233	209.039	0.083		6.150	208.956	-3.00	1292+0.000		209.140			209.778	-0.638	6.150	209.002	-2.25		7.403	210.255	1.253
6.507	208.960	0.357		6.150	208.603	-3.00	1292+13.548		208.788			209.666	-0.878	6.150	208.788	0.00		7.482	210.120	1.332
6.652	208.909	0.502		6.150	208.407	-3.00	1293+0.000		208.592			209.532	-0.940	6.150	208.608	1.07		7.777	210.284	1.626
7.104	208.963	0.954		6.150	208.809	-3.00	1293+11.637		208.198			209.201	-1.008	6.150	208.478	3.00		8.151	210.419	2.041
6.954	208.404	0.803		6.150	207.601	-4.39	1294+0.000		207.870			208.777	-0.907	6.150	208.140	4.39		7.897	209.887	1.747
6.775	207.443	0.624		6.150	206.819	-4.80	1294+14.548	SC	207.237			207.909	-0.672	6.150	207.665	6.80		6.759	208.265	0.610
6.825	207.233	0.675		6.150	206.558	-4.80	1295+0.000		206.976			207.609	-0.633	6.150	207.394	6.80		6.760	208.005	0.611
6.809	206.150	0.659		6.150	205.491	-4.80	1296+0.000		205.909			206.439	-0.530	6.150	206.327	6.80		6.762	206.939	0.612
6.662	205.688	0.512		6.150	205.176	-4.80	1296+5.352	PTV	205.594			206.083	-0.489	6.150	206.012	6.80		6.370	206.432	0.420
6.554	204.701	0.604		6.150	204.297	-4.80	1297+0.000		204.715			205.477	-0.762	6.150	205.133	6.80		6.150	205.237	0.104
6.413	204.340	0.283		6.150	204.057	-4.80	1297+4.000	PCV	204.475			205.066	-0.591	6.150	204.893	6.80		6.150	204.880	-0.013
6.242	203.432	-0.061		6.150	203.493	-4.80	1297+13.692		203.911			204.074	-0.163	6.150	204.329	6.80		6.256	204.259	-0.070
6.304	203.042	-0.108		6.150	203.145	-4.80	1298+0.000		203.560			203.809	-0.246	6.150	203.981	6.80		6.360	203.841	-0.140
6.223	202.213	0.073		6.150	202.140	-4.80	1299+0.000		202.558			202.642	-0.084	6.150	202.976	6.80		6.191	203.018	0.042
6.336	201.471	0.186		6.150	201.285	-4.80	1300+0.000		201.703			201.999	-0.296	6.150	202.121	6.80		6.177	202.103	-0.018
6.414	201.080	0.265		6.150	200.815	-4.80	1300+12.835	CS	201.230			201.559	-0.336	6.150	201.652	6.80		6.435	201.462	-0.190
6.314	200.817	0.164		6.150	200.653	-5.61	1301+0.000		200.998			201.200	-0.202	6.150	201.343	5.61		6.304	201.240	-0.103
6.529	200.111	-0.253		6.150	200.364	-3.00	1301+15.717		200.548			200.385	0.163	6.150	200.733	3.00		6.600	200.380	-0.353
6.654	199.922	-0.337		6.150	200.259	-3.00	1302+0.000		200.448			200.227	0.216	6.150	200.584	2.29		7.019	200.005	-0.579
7.052	199.961	-0.604		6.150	199.962	-3.00	1302+13.835		200.147			199.621	0.526	6.150	200.147	0.00		6.839	199.687	-0.460
7.767	198.716	-1.078		6.150	199.854	-3.00	1303+0.000		200.008			199.394	0.644	6.150	199.975	-1.02		7.293	199.213	-0.762
8.851	197.882	-1.803		6.150	199.683	-3.00	1303+11.924		199.686			198.991	0.877	6.150	199.683	-3.00		9.368	197.538	-2.145
7.928	198.487	-1.186		6.150	199.673	-3.00	1303+12.835	ST	199.687			198.958	0.899	6.150	199.673	-3.00		9.402	197.504	-2.169
10.086	196.994	-2.666		6.150	199.599	-3.00	1304+0.000		199.783			198.620	1.163	6.150	199.599	-3.00		8.857	197.794	-1.805
11.048	196.231	-3.262		6.150	199.493	-3.00	1305+0.000		198.678			197.942	1.726	6.150	199.493	-3.00		9.882	197.039	-2.454
11.201	196.070	-3.421		6.150	199.491	-3.00	1305+4.000	PTV	198.675			197.819	1.856	6.150	199.491	-3.00		9.602	197.176	-2.315
11.711	195.783	-3.708		6.150	199.491	-3.00	1306+0.000		198.675			197.233	2.422	6.150	199.491	-3.00		12.603	195.189	-4.903
11.710	195.784	-3.707		6.150	199.491	-3.00	1306+14.000		198.675			196.867	2.808	6.150	199.491	-3.00		13.062	194.883	-4.608
PONTE SOBRE O RIO CABAIÇAL																				
14.759	193.751	-5.740		6.150	199.491	-3.00	1310+0.000		198.675			196.625	3.050	6.150	199.491	-3.00		14.928	193.638	-5.853
13.047	194.893	-4.586		6.150	199.491	-3.00	1311+0.000		198.675			196.798	2.877	6.150	199.491	-3.00		14.398	193.992	-5.499
13.485	194.600	-4.891		6.150	199.491	-3.00	1311+19.000	PCV	198.675			197.325	2.350	6.150	199.491	-3.00		12.959	194.951	-4.540
13.449	194.625	-4.866		6.150	199.491	-3.00	1312+0.000		198.675			197.363	2.312	6.150	199.491	-3.00		12.856	195.020	-4.471

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Nota de Serviço de Terraplenagem																					
Rodovia : MT-339/248																					
Lado Esquerdo										Lado Direito											
Banqueta					Bordo					Banqueta					Bordo						
Offset		Banqueta		Bordo		Banqueta		Bordo		Offset		Banqueta		Bordo		Banqueta		Bordo			
Altura (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)		
0,000	218,790	4,368		0,000	214,422	0,00	7+10,178		214,422	218,790	-4,368	6,150	214,238	-3,00		9,615	217,702	3,464			
RAMO 03																					
0,000	213,572	2,097		0,000	211,475	3,00	0+0,000		211,475	213,572	-2,097	6,150	211,290	-3,00		7,881	213,021	1,731			
2,611	213,817	3,069		2,611	210,778	3,00	0+19,075		210,700	213,666	-2,966	6,150	210,515	-3,00		8,502	212,867	2,352			
2,707	213,834	3,066		2,707	210,768	3,00	0+20,000		210,687	213,662	-2,975	6,150	210,502	-3,00		8,536	212,868	2,366			
3,563	213,792	3,104		3,563	210,688	3,00	1+2,682		PCV	210,581	213,624	-3,043	6,150	210,397	-3,00		8,620	212,866	2,469		
7,322	214,126	3,711		7,322	210,415	3,00	1+11,436		210,196	213,427	-3,231	6,150	210,011	-3,00		9,055	212,917	2,906			
10,000	214,303	4,048		10,000	210,255	3,00	1+16,139		PTV	209,955	213,260	-3,305	6,150	209,770	-3,00		9,134	212,754	2,984		
Subestação com a Rodovia																					
12,209	211,430	3,922		12,209	207,508	3,00	3+16,066		207,141	210,520	-3,379	6,150	206,957	-3,00		8,911	209,718	2,761			
10,841	211,179	4,014		10,841	207,165	3,00	4+0,000		206,840	210,239	-3,399	6,150	206,655	-3,00		8,930	209,436	2,781			
8,255	210,266	3,798		8,255	206,468	3,00	4+8,089		PCV	206,220	209,769	-3,549	6,150	206,035	-3,00		9,042	208,928	2,893		
5,129	208,519	3,025		5,129	205,494	3,00	5+0,000		205,340	208,233	-2,893	6,150	205,156	-3,00		9,069	208,075	2,919			
3,747	207,624	2,625		3,747	204,999	3,00	5+6,530		204,687	207,427	-2,740	6,150	204,702	-3,00		8,540	207,095	2,393			
2,590	206,954	2,426		2,590	204,528	3,00	5+11,089		PTV	204,451	206,782	-2,331	6,150	204,266	-3,00		8,148	206,465	1,999		
1,616	206,250	2,199		1,616	204,051	3,00	6+0,000		204,002	206,311	-2,309	6,150	203,818	-3,00		8,242	206,910	2,092			
0,000	204,689	1,852		0,000	202,837	3,00	6+17,960		202,837	204,689	-1,852	6,150	202,652	-3,00		8,585	205,087	2,435			
0,000	204,544	1,840		0,000	202,704	3,00	7+0,000		202,704	204,544	-1,840	6,150	202,520	-3,00		8,509	204,878	2,358			
0,000	204,243	1,620		0,000	202,623	3,00	7+1,262		202,623	204,243	-1,620	6,150	202,448	-3,00		8,468	204,756	2,318			
0,000	204,116	1,708		0,000	202,408	3,00	7+4,568		202,408	204,116	-1,708	6,150	202,223	-3,00		8,378	204,452	2,229			
RÓTULA																					
21,028	220,468	10,678		21,028	217,590	14,150	217,790	-5,00	6,150	209,790	-3,00	0+0,000		209,975	217,258	-7,283	6,150	210,159	3,00		
21,655	221,238	11,305		21,655	217,773	14,150	217,983	-5,00	6,150	209,933	-3,00	0+2,500		PCV	210,117	217,707	-7,590	6,150	210,302	3,00	
21,598	212,892	11,243		21,598	218,449	14,150	218,649	-5,00	6,150	210,649	-3,00	1+0,000		210,834	219,629	-8,795	6,150	211,018	3,00		
14,150	218,817	8,000		14,150	210,817	3,00	1+13,516		6,150	210,817	-3,00		211,001	219,355	-8,354	6,150	211,186	3,00			
14,150	218,778	8,000		14,150	210,778	3,00	2+0,000		6,150	210,778	-3,00		210,963	218,654	-7,691	6,150	211,147	3,00			
11,176	215,314	5,026		11,176	210,288	3,00	2+17,500		6,150	210,288	-3,00		210,473	216,614	-6,141	6,150	210,657	3,00			
10,884	214,892	4,714		10,884	210,178	3,00	3+0,000		6,150	210,178	-3,00		210,363	216,095	-5,732	6,150	210,547	3,00			
7,965	211,120	1,814		7,965	209,306	3,00	3+13,796		6,150	209,306	-3,00		209,480	211,831	-2,341	6,150	209,675	3,00			
7,965	211,113	1,816		7,965	209,297	3,00	4+0,000		6,150	209,297	-3,00		209,481	211,827	-2,346	6,150	209,666	3,00			
8,087	211,124	1,937		8,087	209,187	3,00	4+1,500		6,150	209,187	-3,00		PCV	209,371	211,772	-2,401	6,150	209,566	3,00		
8,460	210,932	2,310		8,460	208,622	3,00	5+0,000		6,150	208,622	-3,00		208,606	211,902	-3,296	6,150	208,991	3,00			
9,874	212,190	3,724		9,874	208,466	3,00	5+13,205		6,150	208,466	-3,00		208,500	212,435	-3,805	6,150	208,835	3,00			
10,434	212,766	4,285		10,434	208,481	3,00	6+0,000		6,150	208,481	-3,00		208,666	212,943	-4,277	6,150	208,850	3,00			
13,714	216,444	7,564		13,714	208,880	3,00	7+0,000		6,150	208,880	-3,00		209,065	215,205	-6,140	6,150	209,249	3,00			
20,450	219,771	10,100		20,450	209,671	3,00	7+17,500		6,150	209,671	-3,00		PTV	209,856	216,987	-7,111	6,150	210,040	3,00		
21,028	220,468	10,678		21,028	217,590	14,150	217,790	-5,00	6,150	209,790	-3,00	7+13,933		209,975	217,258	-7,283	6,150	210,159	3,00		
CONT. MT-339/248																					



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Banqueta												Banqueta											
Ofset				Bordo				Cota Vermelha				Bordo				Cota Vermelha				Ofset			
Altura (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)	Alf. (m)
219.995	5.797			6.150	214.238	-3.00	1327+1.172		214.422	218.790	-4.368	6.150	214.238	-3.00			6.150	214.238	-3.00		9.815	217.702	3.464
220.132	5.332			6.150	214.800	-3.00	1328+0.000		214.984	218.733	-3.749	6.150	214.800	-3.00			6.150	214.800	-3.00		8.948	217.198	2.398
220.299	4.992			6.150	215.307	-3.00	1329+0.000		215.491	219.092	-3.601	6.150	215.307	-3.00			6.150	215.307	-3.00		7.920	216.677	1.370
220.091	4.410			6.150	215.681	-3.00	1330+0.000		215.866	219.379	-3.513	6.150	215.681	-3.00			6.150	215.681	-3.00		7.053	216.584	0.903
220.075	4.317			6.150	215.758	-3.00	1330+5.276	PTV	215.943	219.464	-3.221	6.150	215.758	-3.00			6.150	215.758	-3.00		7.869	216.777	1.019
219.716	3.817			6.150	215.959	-3.00	1331+0.000		216.144	218.489	-2.345	6.150	215.959	-3.00			6.150	215.959	-3.00		7.006	216.836	0.877
219.588	3.356			6.150	216.232	-3.00	1332+0.000		216.417	217.380	-0.913	6.150	216.232	-3.00			6.150	216.232	-3.00		7.919	218.001	1.769
220.007	3.502			6.150	216.505	-3.00	1333+0.000		216.600	217.682	-0.992	6.150	216.505	-3.00			6.150	216.505	-3.00		7.989	218.294	1.789
220.393	3.615			6.150	216.778	-3.00	1334+0.000		216.903	217.812	-0.849	6.150	216.778	-3.00			6.150	216.778	-3.00		7.342	217.870	1.092
218.683	1.631			6.150	217.052	-3.00	1335+0.000		217.236	217.614	-0.378	6.150	217.052	-3.00			6.150	217.052	-3.00		6.446	217.346	0.294
217.356	0.031			6.150	217.325	-3.00	1336+0.000		217.509	217.160	0.349	6.150	217.325	-3.00			6.150	217.325	-3.00		10.664	214.315	-3.010
217.163	-0.435			6.150	217.598	-3.00	1337+0.000		217.782	216.946	0.836	6.150	217.598	-3.00			6.150	217.598	-3.00		13.552	212.663	-4.935
217.406	-0.465			6.150	217.871	-3.00	1338+0.000		218.055	216.752	1.303	6.150	217.871	-3.00			6.150	217.871	-3.00		14.465	212.327	-5.544
217.509	-0.636			6.150	218.144	-3.00	1339+0.000		218.328	216.853	1.475	6.150	218.144	-3.00			6.150	218.144	-3.00		13.811	213.037	-5.107
217.127	-1.288			6.150	218.410	-3.00	1339+19.479	PCV	218.594	216.989	1.605	6.150	218.410	-3.00			6.150	218.410	-3.00		14.897	212.579	-5.831
217.131	-1.286			6.150	218.417	-3.00	1340+0.000		218.602	216.992	1.610	6.150	218.417	-3.00			6.150	218.417	-3.00		14.930	212.564	-5.853
10.675	215.761	-3.016		6.150	218.777	-3.00	1341+0.000		218.962	217.219	1.743	6.150	218.777	-3.00			6.150	218.777	-3.00		15.857	212.306	-6.471
12.788	214.880	-4.422		6.150	219.302	-3.00	1342+0.000		219.486	217.625	1.861	6.150	219.302	-3.00			6.150	219.302	-3.00		17.960	211.429	-7.873
13.146	215.328	-4.664		6.150	219.992	-3.00	1343+0.000		220.176	218.176	2.000	6.150	219.992	-3.00			6.150	219.992	-3.00		27.519	208.613	-11.379
8.890	219.020	-1.827		6.150	220.847	-3.00	1344+0.000		221.031	218.934	2.097	6.150	220.847	-3.00			6.150	220.847	-3.00		27.306	209.609	-11.238
8.843	220.071	-1.796		6.150	221.867	-3.00	1345+0.000		222.051	220.017	2.034	6.150	221.867	-3.00			6.150	221.867	-3.00		26.266	211.322	-10.545
7.585	222.095	-0.957		6.150	223.052	-3.00	1346+0.000		223.236	221.337	1.899	6.150	223.052	-3.00			6.150	223.052	-3.00		25.966	212.708	-10.344
6.914	223.152	-0.509		6.150	223.661	-3.00	1346+9.318		223.846	222.012	1.834	6.150	223.661	-3.00			6.150	223.661	-3.00		24.963	213.986	-9.675
6.847	223.899	-0.465		6.150	224.364	-3.00	1346+19.479	PCV	224.540	222.957	1.592	6.150	224.364	-3.00			6.150	224.364	-3.00		24.746	214.936	-9.331
6.857	223.930	-0.471		6.150	224.401	-3.00	1347+0.000		224.586	223.012	1.574	6.150	224.401	-3.00			6.150	224.401	-3.00		24.748	214.978	-9.532
6.957	224.388	-0.539		6.150	224.927	-3.00	1347+7.496		225.111	223.791	1.320	6.150	224.927	-3.00			6.150	225.111	0.00		24.801	215.543	-9.568
6.891	224.640	-0.494		6.150	225.334	-3.00	1347+13.496	TS	225.519	224.404	1.115	6.150	225.334	-3.00			6.150	225.500	0.09		8.965	223.703	-1.877
6.774	225.348	-0.416		6.150	225.764	-3.00	1348+0.000		225.948	225.053	0.895	6.150	225.764	-3.00			6.150	226.075	2.07		8.691	224.381	-1.694
6.580	225.839	-0.287		6.150	226.126	-3.00	1348+5.654		226.311	225.621	0.690	6.150	226.126	-3.00			6.150	226.495	3.00		8.405	224.992	-1.503
13.107	233.812	6.957		6.150	226.855	-3.37	1349+0.000		227.185	227.018	0.167	6.150	227.185	-3.37			6.150	227.516	5.37		6.757	227.111	-0.405
13.278	234.610	7.128		6.150	227.482	-7.60	1349+13.496	SC	227.949	228.092	-0.143	6.150	228.417	7.60			6.150	228.417	7.60		6.325	228.300	-0.117
13.421	235.101	7.271		6.150	227.830	-7.60	1350+0.000		228.397	228.571	-0.274	6.150	228.765	7.60			6.150	228.765	7.60		6.225	228.840	0.075
13.634	236.300	7.483		6.150	228.817	-7.60	1351+0.000		228.934	229.784	-0.900	6.150	229.752	7.60			6.150	229.752	7.60		6.722	230.323	0.371
13.312	236.759	7.162		6.150	229.597	-7.60	1351+17.984		230.065	230.733	-0.668	6.150	230.532	7.60			6.150	230.532	7.60		6.318	230.900	0.368
13.252	236.780	7.103		6.150	229.679	-7.60	1352+0.000		230.146	230.748	-0.602	6.150	230.613	7.60			6.150	230.613	7.60		6.444	230.908	0.295
12.295	236.560	6.145		6.150	230.415	-7.60	1353+0.000		230.883	231.190	-0.307	6.150	231.350	7.60			6.150	231.350	7.60		6.564	231.074	-0.276
10.100	234.962	3.950		6.150	231.012	-7.60	1353+19.479	PTV	231.480	231.060	0.420	6.150	231.947	7.60			6.150	231.947	7.60		7.323	231.165	-0.782
9.940	234.906	3.879		6.150	231.027	-7.60	1354+0.000		231.494	231.058	0.436	6.150	231.494	7.60			6.150	231.494	7.60		7.340	231.168	-0.793



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Ponto		Estaca		Ponto		Ponto		Cota		Cota		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
9,691	234,636	3,541		6,150	231,095	-7,60	231,095	1354+2,473		CS		231,562	231,078	0,484	6,150	232,030	7,60	7,425	231,180
9,985	232,932	0,835		6,150	231,737	-4,70	231,737	1355+0,000				232,046	231,130	0,836	6,150	232,386	4,70	7,906	231,165
7,344	231,350	-0,796		6,150	232,146	3,00	232,146	1355+10,315				232,331	231,251	1,080	6,150	232,515	3,00	10,107	229,878
8,039	231,154	-1,260		6,150	232,414	3,00	232,414	1356+0,000				232,598	231,418	1,180	6,150	232,684	1,40	11,021	229,437
8,181	231,128	-1,354		6,150	232,482	-3,00	232,482	1356+2,473		ST		232,667	231,448	1,219	6,150	232,728	0,99	11,562	229,120
8,525	231,064	-1,584		6,150	232,648	3,00	232,648	1356+6,473				232,832	231,584	1,248	6,150	232,832	0,00	12,757	228,427
8,426	231,449	-1,517		6,150	232,866	3,00	232,866	1357+0,000				233,131	231,999	1,152	6,150	233,033	-1,90	10,451	228,166
8,187	231,791	-1,398		6,150	233,149	3,00	233,149	1357+6,510				233,334	232,247	1,087	6,150	233,149	-3,00	8,025	231,899
6,775	233,032	-0,416		6,150	233,448	3,00	233,448	1357+17,461				233,633	232,743	0,890	6,150	233,448	-3,00	7,425	232,796
6,531	233,290	-0,254		6,150	233,544	2,58	233,544	1358+0,000				233,703	232,876	0,827	6,150	233,518	-3,00	7,099	232,886
7,900	235,813	1,750		6,150	234,093	-0,31	234,093	1358+13,734		PCV		234,082	233,624	0,458	6,150	233,897	-3,00	6,809	233,458
8,465	236,448	2,315		6,150	234,133	0,00	234,133	1358+15,619				234,113	233,762	0,371	6,150	233,949	-3,00	6,460	233,742
9,930	237,570	3,280		6,150	234,290	0,72	234,290	1359+0,000				234,296	234,083	0,162	6,150	234,051	-3,00	6,598	234,502
10,775	239,135	4,626		6,150	234,509	1,82	234,509	1359+6,519		TS		234,598	234,567	-0,169	6,150	234,213	-3,00	7,882	235,945
11,953	240,526	5,803		6,150	234,723	3,00	234,723	1359+11,777				234,739	235,110	-0,371	6,150	234,354	-3,00	9,124	237,328
12,187	240,926	6,037		6,150	234,889	4,03	234,889	1360+0,000				234,641	235,722	-1,081	6,150	234,393	-0,03	10,447	238,390
12,753	241,899	6,604		6,150	235,295	7,33	235,295	1361+0,000				234,944	237,536	-2,882	6,150	234,394	-7,33	12,719	240,952
12,746	241,915	6,595		6,150	235,320	7,60	235,320	1361+1,619		SC		234,833	237,644	-2,791	6,150	234,385	-7,60	12,839	241,074
12,840	242,032	6,690		6,150	235,342	7,60	235,342	1361+11,139				234,824	238,319	-3,445	6,150	234,607	-7,60	14,053	242,310
12,888	242,049	6,708		6,150	235,341	7,60	235,341	1361+12,425				234,874	238,408	-3,534	6,150	234,606	-7,60	14,168	242,425
12,713	241,886	6,563		6,150	235,323	7,60	235,323	1362+0,000				234,855	238,427	-3,572	6,150	234,388	-7,60	13,973	242,211
12,639	241,796	6,489		6,150	235,307	7,60	235,307	1362+1,232		CS		234,839	238,394	-3,545	6,150	234,372	-7,60	13,867	241,906
12,400	241,221	6,250		6,150	234,971	4,83	234,971	1363+0,000				234,674	237,878	-3,204	6,150	234,377	-4,83	12,313	240,540
12,170	240,695	6,020		6,150	234,675	3,00	234,675	1363+11,074				234,498	237,156	-2,865	6,150	234,306	-3,00	11,661	239,817
11,786	240,039	5,586		6,150	234,453	1,82	234,453	1363+18,212		ST		234,341	236,637	-2,296	6,150	234,156	-3,00	11,249	239,255
11,537	239,781	5,387		6,150	234,394	1,53	234,394	1364+0,000				234,300	236,446	-2,146	6,150	234,116	-3,00	11,093	239,059
10,515	238,428	4,365		6,150	234,083	0,00	234,083	1364+9,232				234,068	235,775	-1,712	6,150	233,878	-3,00	9,830	237,359
9,454	236,929	3,304		6,150	233,625	-1,78	233,625	1365+0,000				233,734	235,079	-1,345	6,150	233,550	-3,00	9,124	236,523
8,968	236,110	2,818		6,150	233,292	-3,00	233,292	1365+7,390				233,476	234,544	-1,068	6,150	233,292	-3,00	8,728	235,870
8,044	234,685	1,894		6,150	232,791	-3,00	232,791	1366+0,000				232,975	233,636	-0,661	6,150	232,791	-3,00	8,283	234,924
7,906	233,315	1,156		6,150	232,159	-3,00	232,159	1366+13,734		PCV		232,343	232,587	-0,344	6,150	232,159	-3,00	7,307	233,336
7,184	233,073	1,034		6,150	232,039	-3,00	232,039	1366+16,166				232,223	232,394	-0,171	6,150	232,039	-3,00	7,108	233,056
6,990	232,692	0,840		6,150	231,852	-3,00	231,852	1367+0,000				232,036	232,089	-0,053	6,150	231,852	-3,00	6,913	232,615
6,852	230,490	-0,467		6,150	230,957	-3,00	230,957	1368+0,000				231,142	230,414	0,728	6,150	230,957	-3,00	7,125	230,307
6,813	228,420	-1,776		6,150	230,196	-3,00	230,196	1369+0,000				230,380	229,285	1,095	6,150	230,196	-3,00	9,275	228,112
10,866	226,424	-3,146		6,150	229,567	-3,00	229,567	1370+0,000				229,752	228,512	1,240	6,150	229,567	-3,00	11,549	225,968
10,981	225,851	-3,221		6,150	229,072	-3,00	229,072	1371+0,000				229,256	227,998	1,258	6,150	229,072	-3,00	12,034	225,149
6,364	228,587	-0,146		6,150	228,710	-3,00	228,710	1372+0,000				228,894	228,688	0,206	6,150	228,710	-3,00	6,246	228,805



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alim. (m)	Cota (m)	Altura (m)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)
8.564	230.895	2.414					6.150	228.481	-3.00	1377+0.000		6.150	228.481	-3.00	6.150	228.481	-3.00	6.150	228.481	-3.00	7.687	230.018	1.537
9.687	231.922	3.537					6.150	228.385	-3.00	1374+0.000		6.150	228.385	-3.00	6.150	228.385	-3.00	6.150	228.385	-3.00	8.950	230.885	2.500
9.451	231.683	3.301					6.150	228.382	-3.00	1374+4.397		6.150	228.382	-3.00	6.150	228.382	-3.00	6.150	228.382	-3.00	8.623	230.854	2.472
8.966	231.220	2.815					6.150	228.405	-3.00	1374+16.166		6.150	228.405	-3.00	6.150	228.405	-3.00	6.150	228.405	-3.00	8.668	230.923	2.518
8.889	231.159	2.739					6.150	228.420	-3.00	1375+0.000		6.150	228.420	-3.00	6.150	228.420	-3.00	6.150	228.420	-3.00	8.576	230.845	2.425
8.382	230.730	2.232					6.150	228.498	-3.00	1376+0.000		6.150	228.498	-3.00	6.150	228.498	-3.00	6.150	228.498	-3.00	8.140	230.488	1.990
7.787	230.213	1.637					6.150	228.576	-3.00	1377+0.000		6.150	228.576	-3.00	6.150	228.576	-3.00	6.150	228.576	-3.00	7.417	229.844	1.288
7.213	229.717	1.062					6.150	228.655	-3.00	1378+0.000		6.150	228.655	-3.00	6.150	228.655	-3.00	6.150	228.655	-3.00	7.028	229.533	0.878
6.736	229.319	0.586					6.150	228.733	-3.00	1379+0.000		6.150	228.733	-3.00	6.150	228.733	-3.00	6.150	228.733	-3.00	6.411	228.559	-0.171
6.339	229.001	0.189					6.150	228.812	-3.00	1380+0.000		6.150	228.812	-3.00	6.150	228.812	-3.00	6.150	228.812	-3.00	6.939	228.286	-0.526
7.969	229.809	0.919					6.150	228.890	-3.00	1381+0.000		6.150	228.890	-3.00	6.150	228.890	-3.00	6.150	228.890	-3.00	6.941	228.362	-0.538
6.399	229.217	0.249					6.150	228.968	-3.00	1382+0.000		6.150	228.968	-3.00	6.150	228.968	-3.00	6.150	228.968	-3.00	6.938	228.443	-0.525
7.909	228.474	-0.573					6.150	229.047	-3.00	1383+0.000		6.150	229.047	-3.00	6.150	229.047	-3.00	6.150	229.047	-3.00	8.533	227.458	-1.589
8.487	227.567	-1.558					6.150	229.125	-3.00	1384+0.000		6.150	229.125	-3.00	6.150	229.125	-3.00	6.150	229.125	-3.00	7.921	227.944	-1.181
7.786	230.840	1.637					6.150	229.203	-3.00	1385+0.000		6.150	229.203	-3.00	6.150	229.203	-3.00	6.150	229.203	-3.00	6.160	229.214	0.011
8.210	231.342	2.060					6.150	229.282	-3.00	1386+0.000		6.150	229.282	-3.00	6.150	229.282	-3.00	6.150	229.282	-3.00	6.884	230.016	0.734
7.051	230.261	0.901					6.150	229.360	-3.00	1387+0.000		6.150	229.360	-3.00	6.150	229.360	-3.00	6.150	229.360	-3.00	6.980	229.790	0.430
6.447	229.736	0.298					6.150	229.438	-3.00	1388+0.000		6.150	229.438	-3.00	6.150	229.438	-3.00	6.150	229.438	-3.00	7.089	228.813	-0.625
6.612	229.979	0.462					6.150	229.517	-3.00	1389+0.000		6.150	229.517	-3.00	6.150	229.517	-3.00	6.150	229.517	-3.00	8.716	227.806	-1.711
6.679	230.097	0.259					6.150	229.568	-3.00	1389+13.075		6.150	229.568	-3.00	6.150	229.568	-3.00	6.150	229.568	-3.00	7.288	228.822	-0.746
6.508	229.953	0.358					6.150	229.595	-3.00	1390+0.000		6.150	229.595	-3.00	6.150	229.595	-3.00	6.150	229.595	-3.00	7.194	228.970	-0.686
6.486	229.974	0.336					6.150	229.638	-3.00	1390+11.075		6.150	229.638	-3.00	6.150	229.638	-3.00	6.150	229.638	-3.00	7.016	229.246	-0.577
6.361	229.884	0.211					6.150	229.673	-3.00	1391+0.000		6.150	229.673	-3.00	6.150	229.673	-3.00	6.150	229.673	-3.00	8.242	228.554	-1.395
6.240	229.799	0.090					6.150	229.709	-3.00	1391+6.075	TS	6.150	229.709	-3.00	6.150	229.709	-3.00	6.150	229.709	-3.00	9.708	227.706	-2.372
6.208	229.697	0.057					6.150	229.640	-4.82	1392+0.000		6.150	229.640	-4.82	6.150	229.640	-4.82	6.150	229.640	-4.82	13.655	225.200	-5.003
6.229	229.598	0.079					6.150	229.519	-4.00	1392+19.075	SC	6.150	229.519	-4.00	6.150	229.519	-4.00	6.150	229.519	-4.00	15.955	223.966	-6.537
6.234	229.606	0.083					6.150	229.523	-4.00	1393+0.000		6.150	229.523	-4.00	6.150	229.523	-4.00	6.150	229.523	-4.00	15.762	224.099	-6.408
6.361	229.804	0.211					6.150	229.593	-4.00	1393+17.976		6.150	229.593	-4.00	6.150	229.593	-4.00	6.150	229.593	-4.00	15.794	224.147	-6.430
6.380	229.831	0.230					6.150	229.601	-4.00	1394+0.000		6.150	229.601	-4.00	6.150	229.601	-4.00	6.150	229.601	-4.00	15.820	224.139	-6.446
6.483	230.000	0.333					6.150	229.667	-4.00	1394+16.877	CS	6.150	229.667	-4.00	6.150	229.667	-4.00	6.150	229.667	-4.00	12.865	226.508	-4.143
6.478	230.037	0.238					6.150	229.709	-7.53	1394+0.000		6.150	229.709	-7.53	6.150	229.709	-7.53	6.150	229.709	-7.53	11.086	227.343	-3.291
6.182	230.006	0.032					6.150	229.974	-4.48	1396+0.000		6.150	229.974	-4.48	6.150	229.974	-4.48	6.150	229.974	-4.48	7.374	229.709	-0.816
6.365	229.932	-0.148					6.150	230.065	-3.44	1396+6.877	ST	6.150	230.065	-3.44	6.150	230.065	-3.44	6.150	230.065	-3.44	7.188	229.796	-0.692
6.839	229.731	-0.459					6.150	230.190	-2.00	1396+16.304	PCV	6.150	230.190	-2.00	6.150	230.190	-2.00	6.150	230.190	-2.00	7.441	229.576	-0.861
7.001	229.669	-0.568					6.150	230.237	-1.44	1397+0.000		6.150	230.237	-1.44	6.150	230.237	-1.44	6.150	230.237	-1.44	7.500	229.454	-0.960
7.230	229.576	-0.720					6.150	230.296	-0.58	1397+5.441		6.150	230.296	-0.58	6.150	230.296	-0.58	6.150	230.296	-0.58	7.800	229.268	-1.100
7.572	229.439	-0.948					6.150	230.387	1.60	1398+0.000		6.150	230.387	1.60	6.150	230.387	1.60	6.150	230.387	1.60	11.304	226.754	-3.436
7.520	229.484	-0.913					6.150	230.397	3.44	1398+12.075	TS	6.150	230.397	3.44	6.150	230.397	3.44	6.150	230.397	3.44	12.011	226.067	-3.907



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Cota Vermelha		Pontos Horizontal		Pontos Vertical		Cota Projeto		Cota Terreno		Alfabeto		Banqueta	
Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)	Alfabeto	Altura (m)
7.257	229.632	-0.738		6.150	230.370	4.64		1399+0.000				230.084	229.359	0.725		6.150	229.799	-4.64	
7.569	231.604	1.419		6.150	230.185	7.68		1400+0.000				229.712	230.412	-0.700		6.150	229.239	-7.68	
7.903	231.909	1.753		6.150	230.156	8.00		1400+2.075	SC			229.664	230.601	-0.937		6.150	229.172	-8.00	
13.184	236.697	7.033		6.150	239.664	8.00		1401+0.000				229.172	232.220	-3.048		6.150	228.680	-8.00	
13.558	236.669	7.443		6.150	229.226	8.00		1401+12.910				228.734	232.823	-4.089		6.150	228.242	-8.00	
13.794	236.600	7.644		6.150	228.956	8.00		1402+0.000				228.464	233.058	-4.594		6.150	227.972	-8.00	
10.026	236.756	8.676		6.150	228.080	8.00		1403+0.000				227.588	232.730	-5.142		6.150	227.696	-8.00	
10.008	236.551	8.653		6.150	227.898	8.00		1403+3.744	CS			227.406	232.571	-5.165		6.150	226.914	-8.00	
13.994	234.714	7.844		6.150	226.870	5.29		1404+0.000				226.446	232.341	-5.796		6.150	226.219	-5.29	
12.835	232.600	6.685		6.150	225.915	3.00		1404+13.744	ST			225.730	230.866	-5.136		6.150	225.146	-3.00	
12.291	231.955	6.141		6.150	225.454	1.96		1405+0.000				225.339	229.987	-4.654		6.150	225.149	-3.00	
11.089	229.482	4.938		6.150	224.544	0.00		1405+11.744				224.544	228.452	-3.908		6.150	224.359	-3.00	
10.398	228.117	4.248		6.150	223.869	-1.38		1406+0.000				223.554	227.749	-3.795		6.150	223.769	-3.00	
10.252	227.139	4.102		6.150	223.037	-3.00		1406+9.744				223.221	226.800	-3.579		6.150	223.037	-3.00	
10.037	226.408	3.887		6.150	222.521	-3.00		1406+16.304				222.705	226.100	-3.395		6.150	222.521	-3.00	
9.763	225.838	3.613		6.150	222.225	-3.00		1407+0.000				222.430	225.604	-3.194		6.150	222.225	-3.00	
8.523	222.999	2.374		6.150	220.625	-3.00		1408+0.000				220.810	223.634	-2.824		6.150	220.625	-3.00	
8.246	221.121	2.096		6.150	219.025	-3.00		1409+0.000				219.230	221.170	-1.960		6.150	219.025	-3.00	
8.395	219.670	2.245		6.150	217.425	-3.00		1410+0.000				217.650	219.954	-1.444		6.150	217.425	-3.00	
7.432	217.108	1.283		6.150	215.825	-3.00		1411+0.000				216.000	216.796	-0.796		6.150	215.825	-3.00	
6.908	214.983	0.758		6.150	214.225	-3.00		1412+0.000				214.410	214.688	-0.278		6.150	214.225	-3.00	
7.047	213.612	0.897		6.150	212.715	-3.00		1413+18.880				212.899	213.302	-0.393		6.150	212.715	-3.00	
7.131	213.607	0.982		6.150	212.625	-3.00		1414+0.000				212.610	213.178	-0.568		6.150	212.625	-3.00	
8.557	213.532	2.407		6.150	211.125	-3.00		1414+0.000				211.310	212.747	-1.437		6.150	211.125	-3.00	
8.495	212.149	2.345		6.150	209.804	-3.00		1415+0.000				209.988	211.956	-1.968		6.150	209.804	-3.00	
9.724	206.279	-2.388		6.150	208.662	-3.00		1416+0.000				208.846	207.446	-1.400		6.150	208.662	-3.00	
12.453	203.496	-4.202		6.150	207.698	-3.00		1417+0.000				207.883	204.882	-3.001		6.150	207.698	-3.00	
11.798	203.149	-3.765		6.150	206.914	-3.00		1418+0.000				207.099	202.610	-4.489		6.150	206.914	-3.00	
9.980	203.810	-2.580		6.150	206.310	-3.00		1419+0.000				206.094	203.540	-2.954		6.150	206.310	-3.00	
8.174	204.534	-1.350		6.150	205.884	-3.00		1420+0.000				206.068	203.467	-2.601		6.150	205.884	-3.00	
6.779	205.227	-0.419		6.150	205.646	-3.00		1420+18.880				205.931	203.993	-2.738		6.150	205.646	-3.00	
6.743	205.242	-0.395		6.150	205.637	-3.00		1421+0.000				205.921	203.602	-2.219		6.150	205.637	-3.00	
7.058	204.804	-0.695		6.150	205.499	-3.00		1421+16.465				205.984	203.648	-2.036		6.150	205.499	-3.00	
7.174	204.823	-0.682		6.150	205.505	-2.42		1422+0.000				205.654	203.657	-1.997		6.150	205.470	-3.00	
7.263	204.768	-0.742		6.150	205.510	-1.97		1422+2.715	TS			205.632	203.663	-1.969		6.150	205.447	-3.00	
7.524	204.615	-0.916		6.150	205.531	0.00		1422+14.715				205.531	203.678	-1.853		6.150	205.347	-3.00	
7.354	204.738	-0.802		6.150	205.540	0.87		1423+0.000				205.487	203.712	-1.775		6.150	205.303	-3.00	
7.112	204.809	-0.654		6.150	205.563	1.00		1423+12.987				205.379	203.818	-1.561		6.150	205.194	-3.00	



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Nota de Serviço de Terraplenagem																						
Rodovia : MT-339/248										Eixo												
Lado Esquerdo										Lado Direito												
Offet		Banqueta				Bordo		Estaca		Pontos Notáveis		Pontos Notáveis		Cota Terreno		Cota Vermetina		Banqueta		Offet		
Alim. (m)	Altura (m)	Alim. (m)	Cota (m)	Incl. (%)	Cota (m)	Alim. (m)	Incl. (%)	Cota (m)	Incl. (%)	Horizontal	Vertical	Cota Projeto	Cota Terreno	Cota Vermetina	Alim. (m)	Cota (m)	Incl. (%)	Alim. (m)	Cota (m)	Alim. (m)	Altura (m)	
7.356	204.772	-0.808			6.150	205.575	4.15	1424+0.000				205.330	203.846	1.474	6.150	205.065	-4.15		9.407	202.854	-2.211	
7.437	204.722	-0.858			6.150	205.580	4.60	1424+2.716	SC				205.297	203.855	1.442	6.150	205.014	-4.60		9.240	202.954	-2.060
7.676	204.418	-1.018			6.150	205.436	4.60	1425+0.000				205.153	203.993	1.160	6.150	204.870	-4.60		8.163	203.528	-1.342	
7.567	204.379	-0.944			6.150	205.323	4.60	1425+13.472				205.040	204.131	0.909	6.150	204.757	-4.60		7.326	203.973	-0.784	
7.505	204.365	-0.904			6.150	205.269	4.60	1426+0.000				204.986	204.336	0.650	6.150	204.703	-4.60		6.726	204.319	-0.384	
7.098	204.469	-0.633			6.150	205.102	4.60	1427+0.000				204.819	204.166	0.653	6.150	204.536	-4.60		6.730	204.149	-0.387	
7.054	204.464	-0.602			6.150	205.066	4.60	1427+4.218	CS			204.783	204.177	0.606	6.150	204.500	-4.60		7.016	203.923	-0.577	
6.936	204.461	-0.524			6.150	204.985	3.87	1427+8.638		PCV		204.746	204.690	0.656	6.150	204.508	-3.87		7.306	203.738	-0.770	
6.941	204.355	-0.527			6.150	204.882	3.00	1427+13.958				204.698	204.683	0.615	6.150	204.513	-3.00		7.656	203.510	-1.003	
6.948	204.225	-0.532			6.150	204.757	2.01	1428+0.000				204.633	203.751	0.882	6.150	204.449	-3.00		8.019	203.203	-1.246	
7.177	203.786	-0.684			6.150	204.470	0.00	1428+12.218				204.470	203.446	1.024	6.150	204.286	-3.00		9.876	201.802	-2.484	
7.246	203.536	-0.730			6.150	204.266	-1.28	1429+0.000				204.346	203.277	1.068	6.150	204.160	-3.00		11.048	200.895	-3.265	
7.237	203.423	-0.725			6.150	204.148	-1.97	1429+4.218	ST			204.269	203.115	1.154	6.150	204.085	-3.00		11.228	200.699	-3.386	
7.223	203.249	-0.715			6.150	203.964	-3.00	1429+10.479				204.148	202.949	1.205	6.150	203.964	-3.00		11.193	200.602	-3.362	
7.361	202.951	-0.807			6.150	203.758	-3.00	1430+0.000				203.943	202.949	0.994	6.150	203.758	-3.00		10.914	200.569	-3.189	
7.230	202.482	-0.781			6.150	203.243	-3.00	1431+0.000				203.427	202.445	0.982	6.150	203.243	-3.00		10.273	200.494	-2.749	
7.126	201.963	-0.650			6.150	202.613	-3.00	1432+0.000				202.798	202.116	0.682	6.150	202.613	-3.00		8.734	200.890	-1.723	
7.116	201.226	-0.646			6.150	201.871	-3.00	1433+0.000				202.055	201.554	0.501	6.150	201.871	-3.00		10.892	198.709	-3.162	
7.042	200.419	-0.595			6.150	201.014	-3.00	1434+0.000				201.199	200.644	0.555	6.150	201.014	-3.00		9.657	198.676	-2.338	
7.363	199.235	-0.809			6.150	200.044	-3.00	1435+0.000				200.229	199.513	0.716	6.150	200.044	-3.00		9.979	197.492	-2.552	
7.482	198.702	-0.888			6.150	199.590	-3.00	1435+8.638			PTV	199.775	199.686	0.689	6.150	199.590	-3.00		10.350	196.790	-2.800	
7.077	198.361	-0.618			6.150	198.979	-3.00	1436+0.000				199.164	198.462	0.702	6.150	198.979	-3.00		9.699	196.617	-2.362	
7.300	197.250	-0.766			6.150	198.016	-3.00	1436+17.897	TS			198.201	197.387	0.814	6.150	198.016	-3.00		8.567	196.405	-1.611	
7.293	197.141	-0.762			6.150	197.903	-3.00	1437+0.000				198.088	197.250	0.838	6.150	197.903	-3.00		8.657	196.232	-1.671	
7.281	197.037	-0.754			6.150	197.791	-3.00	1437+2.985				197.978	197.115	0.861	6.150	197.791	-3.00		8.748	196.059	-1.732	
7.708	195.794	-1.039			6.150	196.833	-3.00	1437+19.897				197.017	196.019	0.998	6.150	197.017	0.00		9.353	194.882	-2.135	
7.707	195.789	-1.038			6.150	196.827	-3.00	1438+0.000				197.012	196.010	1.002	6.150	197.012	0.02		9.353	194.878	-2.135	
7.512	194.967	-0.908			6.150	195.875	-3.00	1438+17.710				196.059	194.924	1.135	6.150	196.054	3.00		9.494	194.014	-2.230	
7.444	194.665	-0.863			6.150	195.728	-3.39	1439+0.000				195.936	194.833	1.103	6.150	196.144	3.39		9.531	193.891	-2.253	
7.193	193.885	-0.695			6.150	194.580	-4.40	1439+17.897	SC				194.973	194.074	0.899	6.150	195.367	6.40		9.420	193.187	-2.180
7.204	193.764	-0.703			6.150	194.467	-4.40	1440+0.000				194.860	193.977	0.883	6.150	195.254	6.40		9.371	193.106	-2.148	
7.167	192.713	-0.678			6.150	193.391	-4.40	1441+0.000				193.785	192.758	1.027	6.150	194.178	6.40		8.438	192.653	-1.525	
7.309	191.927	-0.772			6.150	192.699	-4.40	1441+12.860		PCV		193.093	192.220	0.873	6.150	193.486	6.40		8.215	192.110	-1.376	
7.288	191.564	-0.759			6.150	192.223	-4.40	1442+0.000				192.716	191.693	1.023	6.150	193.110	6.40		8.235	191.700	-1.390	
7.093	190.867	-0.629			6.150	191.496	-4.40	1442+16.831				191.880	190.931	1.099	6.150	192.283	6.40		7.781	191.196	-1.087	
7.126	190.700	-0.650			6.150	191.350	-4.40	1443+0.000				191.744	190.649	1.095	6.150	192.137	6.40		7.686	191.113	-1.024	
7.141	189.837	-0.660			6.150	190.487	-4.40	1444+0.000				190.891	189.840	1.051	6.150	191.285	6.40		7.722	190.237	-1.048	
6.635	188.442	-0.323			6.150	189.765	-4.40	1445+0.000				190.139	189.510	0.549	6.150	190.573	5.40		7.914	189.376	-1.176	



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SINFRA-PRO-2026/03162

Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Cota Vermelha		Pontos Horizontal		Pontos Vertical		Estaca		Bordo		Banqueta		Bordo	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.692	188.911	-0.362		6.150	189.273	6.40	189.550	CS				188.666	188.950	0.716	6.150	190.060	6.40	8.170	188.713
6.744	188.801	-0.396		6.150	189.197	5.69	189.440					189.347	188.861	0.686	6.150	189.897	5.69	8.097	188.599
7.014	188.384	-0.576		6.150	188.960	3.00	188.615					189.145	188.372	0.773	6.150	189.329	3.00	8.387	187.838
6.943	188.342	-0.529		6.150	188.871	3.00	188.447					189.055	188.371	0.684	6.150	189.198	2.32	8.491	187.637
7.067	187.991	-0.611		6.150	188.602	3.00	188.113					188.786	188.225	0.561	6.150	188.786	0.00	8.432	187.265
7.071	187.885	-0.614		6.150	188.499	3.00	188.000					188.684	188.136	0.548	6.150	188.619	-1.05	8.396	187.121
7.078	187.720	-0.619		6.150	188.339	3.00	187.848					188.523	187.967	0.556	6.150	188.339	-3.00	8.403	187.037
7.068	187.679	-0.612		6.150	188.291	3.00	187.815	ST				188.475	187.901	0.574	6.150	188.291	-3.00	8.400	187.004
7.065	187.638	-0.610		6.150	188.248	3.00	187.782					188.432	187.834	0.598	6.150	188.248	-3.00	8.070	186.966
7.256	187.413	-0.737		6.150	188.150	3.00	187.680					188.334	187.633	0.701	6.150	188.150	-3.00	8.038	186.891
7.261	187.368	-0.741		6.150	188.109	3.00	187.639					188.294	187.595	0.739	6.150	188.109	-3.00	7.895	186.979
7.733	186.940	-1.055		6.150	187.995	3.00	187.540					188.180	187.318	0.862	6.150	187.995	-3.00	7.987	186.764
7.272	187.134	-0.747		6.150	187.881	3.00	187.426					188.066	187.235	0.831	6.150	187.881	-3.00	9.089	185.516
6.798	187.382	-0.406		6.150	187.768	3.00	187.313					187.952	187.236	0.716	6.150	187.768	-3.00	9.392	185.473
6.577	187.369	-0.286		6.150	187.654	3.00	187.200					187.838	187.141	0.697	6.150	187.654	-3.00	8.909	185.401
6.997	186.975	-0.566		6.150	187.540	3.00	187.086					187.724	186.891	0.833	6.150	187.540	-3.00	7.988	186.348
6.917	186.915	-0.511		6.150	187.426	3.00	186.971					187.611	186.837	0.754	6.150	187.426	-3.00	8.222	186.045
6.812	186.955	-0.442		6.150	187.397	3.00	186.948					187.581	186.808	0.693	6.150	187.397	-3.00	8.468	185.851
6.877	186.819	-0.484		6.150	187.303	3.00	186.858					187.488	186.693	0.555	6.150	187.303	-3.00	7.806	186.199
6.465	186.941	-0.230		6.150	187.151	3.00	186.706					187.335	186.518	0.417	6.150	187.151	-3.00	6.604	186.841
6.332	186.884	-0.115		6.150	186.999	3.00	186.654					187.184	186.721	0.463	6.150	186.999	-3.00	6.544	186.737
6.339	186.840	-0.126		6.150	186.966	3.00	186.620					187.151	186.694	0.487	6.150	187.018	-2.16	6.684	186.662
6.439	186.684	-0.198		6.150	186.877	3.00	186.531					187.061	186.520	0.541	6.150	187.061	0.00	7.000	186.481
6.476	186.607	-0.218		6.150	186.825	3.00	186.479					187.009	186.456	0.553	6.150	187.083	1.20	7.225	186.307
6.450	186.550	-0.204		6.150	186.751	3.00	186.400					186.935	186.348	0.587	6.150	187.110	2.84	7.611	186.136
6.447	186.545	-0.198		6.150	186.743	3.00	186.392					186.928	186.338	0.590	6.150	187.112	3.00	7.648	186.113
6.549	186.237	-0.286		6.150	186.503	3.00	186.148					186.688	185.995	0.693	6.150	186.872	3.00	7.566	185.928
6.647	185.893	-0.332		6.150	186.225	3.00	185.870					186.409	185.684	0.725	6.150	186.594	3.00	7.553	185.658
6.335	185.792	-0.123		6.150	185.915	3.00	185.892					186.099	185.464	0.635	6.150	186.284	3.00	7.802	185.116
6.696	185.734	-0.363		6.150	185.597	3.00	185.572					185.782	185.091	0.691	6.150	185.966	3.00	7.684	184.944
6.843	185.111	-0.462		6.150	185.573	3.00	185.548					185.798	185.085	0.693	6.150	185.943	3.00	7.700	184.909
6.644	184.871	-0.330		6.150	185.201	3.00	185.176					185.385	184.821	0.564	6.150	185.570	3.00	7.921	184.389
6.193	184.768	-0.028		6.150	184.796	3.00	184.771					184.981	184.679	0.302	6.150	185.165	3.00	8.427	183.647
6.206	184.417	0.056		6.150	184.361	3.00	184.336					184.545	184.282	0.263	6.150	184.790	3.00	8.751	182.995
6.265	184.089	0.115		6.150	183.974	3.00	183.949					184.158	183.939	0.219	6.150	184.343	3.00	8.812	182.569
6.268	184.012	0.118		6.150	183.894	3.00	183.869					184.078	183.875	0.203	6.150	184.211	2.16	8.706	182.507
6.272	183.922	0.122		6.150	183.800	3.00	183.775	PT				183.985	183.802	0.183	6.150	184.058	1.20	8.582	182.437
6.278	183.810	0.128		6.150	183.682	3.00	183.657					183.866	183.684	0.202	6.150	183.866	0.00	8.424	182.351



Nota de Serviço de Terraplenagem																					
Lado Esquerdo										Lado Direto											
Eixo										Banqueta											
Offet		Banqueta		Bordo		Estaca		Pontos Notáveis		Pontos Notáveis		Cota Termin		Cota Verticula		Bordo		Banqueta		Offet	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.347	183.592	0.197		6.150	183.395	-3.00	1469+0.000					183.340	0.238	183.340	0.238	6.150	183.405	-2.84	8.102	182.104	-1.301
6.349	183.577	0.199		6.150	183.378	-3.00	1469+0.054					183.360	0.243	183.320	0.243	6.150	183.378	-3.00	8.088	182.089	-1.289
6.358	183.470	0.208		6.150	183.262	-3.00	1469+5.136		PTV			183.447	0.307	183.140	0.307	6.150	183.262	-3.00	8.061	181.988	-1.274
6.344	183.668	0.194		6.150	182.874	-3.00	1470+0.000					183.598	0.245	182.813	0.245	6.150	182.874	-3.00	7.957	181.669	-1.205
6.294	182.496	0.144		6.150	182.352	-3.00	1471+0.000					182.536	0.321	182.215	0.321	6.150	182.352	-3.00	7.311	181.578	-0.774
6.620	182.299	0.470		6.150	181.829	-3.00	1472+0.000					182.014	0.307	181.707	0.307	6.150	181.829	-3.00	7.631	180.942	-0.987
6.342	181.499	0.192		6.150	181.307	-3.00	1473+0.000					181.482	0.492	181.000	0.492	6.150	181.307	-3.00	7.889	180.148	-1.159
7.097	180.153	-0.632		6.150	180.785	-3.00	1474+0.000					180.969	1.502	179.467	1.502	6.150	180.785	-3.00	8.055	179.115	-1.670
7.517	179.351	-0.912		6.150	180.263	-3.00	1475+0.000					180.447	1.626	178.821	1.626	6.150	180.263	-3.00	8.829	178.477	-1.786
7.512	179.338	-0.908		6.150	180.246	-3.00	1475+0.020		PCV			180.431	1.630	178.801	1.630	6.150	180.246	-3.00	8.834	178.457	-1.789
7.968	178.543	-1.212		6.150	179.735	-3.00	1476+0.000					179.940	1.430	178.510	1.430	6.150	179.735	-3.00	9.318	177.710	-2.045
8.138	177.954	-1.326		6.150	179.280	-3.00	1477+0.000					179.464	1.611	177.853	1.611	6.150	179.280	-3.00	10.019	176.700	-2.580
8.656	177.165	-1.671		6.150	178.836	-3.00	1478+0.000					179.021	1.647	177.374	1.647	6.150	178.836	-3.00	11.352	175.868	-3.468
8.562	176.816	-1.609		6.150	178.425	-3.00	1479+0.000					178.609	1.652	176.957	1.652	6.150	178.425	-3.00	12.873	173.876	-4.549
7.672	177.030	-1.015		6.150	178.045	-3.00	1480+0.000					178.229	1.188	177.041	1.188	6.150	178.045	-3.00	10.861	174.904	-3.141
6.619	177.384	-0.313		6.150	177.697	-3.00	1481+0.000					177.881	0.574	177.307	0.574	6.150	177.697	-3.00	8.430	176.190	-1.507
6.830	178.060	0.679		6.150	177.381	-3.00	1482+0.000					177.565	-0.321	177.886	-0.321	6.150	177.381	-3.00	6.546	177.776	0.395
7.596	176.543	1.447		6.150	177.096	-3.00	1483+0.000					177.281	-1.175	178.456	-1.175	6.150	177.096	-3.00	7.558	176.504	1.408
8.814	175.508	2.664		6.150	176.844	-3.00	1484+0.000					177.029	-1.911	178.940	-1.911	6.150	176.844	-3.00	8.246	176.940	2.096
9.266	175.740	3.116		6.150	176.624	-3.00	1485+0.000					176.808	-2.224	179.132	-2.224	6.150	176.624	-3.00	8.653	176.127	2.503
9.228	175.695	3.078		6.150	176.617	-3.00	1485+0.020		PTV			176.802	-2.226	179.128	-2.226	6.150	176.617	-3.00	8.653	176.121	2.504
9.583	175.853	3.433		6.150	176.420	-3.00	1486+0.000					176.605	-2.413	179.018	-2.413	6.150	176.420	-3.00	8.622	176.892	2.472
9.070	175.137	2.920		6.150	176.217	-3.00	1487+0.000					176.401	-2.861	178.762	-2.861	6.150	176.217	-3.00	8.508	176.570	2.353
9.387	175.250	3.237		6.150	176.013	-3.00	1488+0.000					176.198	-2.863	178.461	-2.863	6.150	176.013	-3.00	8.246	176.108	2.095
8.871	176.530	2.721		6.150	175.809	-3.00	1489+0.000					175.994	-2.148	178.424	-2.148	6.150	175.809	-3.00	8.166	177.826	2.017
8.956	176.412	2.806		6.150	175.606	-3.00	1490+0.000					175.790	-2.065	177.855	-2.065	6.150	175.606	-3.00	8.003	177.459	1.853
8.647	177.889	2.497		6.150	175.402	-3.00	1491+0.000					175.587	-1.990	177.577	-1.990	6.150	175.402	-3.00	7.888	177.135	1.733
8.799	177.847	2.648		6.150	175.199	-3.00	1492+0.000					175.383	-1.969	177.352	-1.969	6.150	175.199	-3.00	7.842	176.831	1.692
8.772	177.617	2.622		6.150	174.995	-3.00	1493+0.000					175.180	-1.753	176.933	-1.753	6.150	174.995	-3.00	7.624	176.470	1.475
8.302	176.944	2.152		6.150	174.792	-3.00	1494+0.000					174.976	-1.342	176.518	-1.342	6.150	174.792	-3.00	7.411	176.053	1.261
7.682	176.120	1.532		6.150	174.588	-3.00	1495+0.000					174.773	-0.862	175.635	-0.862	6.150	174.588	-3.00	7.057	175.495	0.907
6.527	174.762	0.377		6.150	174.385	-3.00	1496+0.000					174.569	-0.201	174.770	-0.201	6.150	174.385	-3.00	7.020	175.255	0.870
6.390	174.421	0.240		6.150	174.181	-3.00	1497+0.000					174.366	0.611	173.978	0.611	6.150	174.181	-3.00	6.316	174.070	-0.111
7.494	173.082	-0.886		6.150	173.978	-3.00	1498+0.000					174.162	1.490	172.672	1.490	6.150	173.978	-3.00	9.080	172.037	-1.941
8.361	172.300	-1.474		6.150	173.774	-3.00	1499+0.000					173.959	1.712	172.442	1.817	6.150	173.774	-3.00	12.950	169.241	-4.533
11.426	170.088	-3.538		6.150	173.606	-3.00	1499+16.534		PCV			173.790	2.125	171.665	2.125	6.150	173.606	-3.00	14.983	167.730	-5.876
10.351	170.771	-2.801		6.150	173.572	-3.00	1500+0.000					173.757	2.064	171.693	2.064	6.150	173.572	-3.00	14.248	168.174	-5.388
8.238	172.045	-1.391		6.150	173.436	-3.00	1501+0.000					173.621	1.765	171.666	1.765	6.150	173.436	-3.00	9.188	171.424	-2.012



Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direto									
Eixo										Eixo									
Offset		Banqueta		Bordo		Estaca		Pontos		Cota		Cota		Cota		Bordo		Banqueta	
Alim. (m)	Altura (m)	Alim. (m)	Alim. (m)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Altura (m)
8.052	172.133	-1.286				173.401	-3.00	1501+16.872		173.345	171.991	1.594	6.150	173.401	-3.00			8.810	171.627
7.978	172.183	-1.219				173.402	-3.00	1502+0.000		173.386	172.040	1.546	6.150	173.402	-3.00			8.860	171.726
7.376	172.651	-0.817				173.468	-3.00	1503+0.000		173.653	172.332	1.321	6.150	173.468	-3.00			7.882	172.347
6.447	173.437	-0.198				173.635	-3.00	1504+0.000		173.820	172.625	1.195	6.150	173.635	-3.00			9.051	171.701
7.443	173.042	-0.861				173.503	-3.00	1505+0.000		174.088	173.092	0.996	6.150	173.503	-3.00			9.806	171.453
9.126	172.288	-1.584				174.272	-3.00	1506+0.000		174.457	173.618	0.839	6.150	174.272	-3.00			8.752	172.538
7.903	173.573	-1.169				174.742	-3.00	1507+0.000		174.927	174.257	0.870	6.150	174.742	-3.00			6.805	174.439
7.150	174.646	-0.667				175.313	-3.00	1508+0.000		175.497	174.840	0.657	6.150	175.313	-3.00			6.309	175.274
7.680	174.985	-1.000				175.985	-3.00	1509+0.000		176.169	175.245	0.924	6.150	175.985	-3.00			6.297	175.887
7.056	176.012	-0.604				176.616	-3.00	1509+16.534		176.801	175.695	1.106	6.150	176.616	-3.00			6.214	176.680
7.107	176.118	-0.638				176.736	-3.00	1510+0.000		176.940	175.802	1.138	6.150	176.736	-3.00			6.393	176.889
7.428	176.710	-0.852				177.562	-3.00	1511+0.000		177.746	176.443	1.303	6.150	177.562	-3.00			6.178	177.590
6.953	177.832	-0.535				178.367	-3.00	1512+0.000		178.552	177.665	0.887	6.150	178.367	-3.00			6.007	178.824
6.253	179.104	-0.069				179.173	-3.00	1513+0.000		179.357	178.892	0.465	6.150	179.173	-3.00			6.795	179.819
6.593	180.421	0.443				179.978	-3.00	1514+0.000		180.163	180.156	0.007	6.150	179.978	-3.00			6.686	180.514
6.190	180.758	-0.026				180.784	-3.00	1515+0.000		180.969	180.888	0.111	6.150	180.784	-3.00			6.604	181.258
6.208	181.551	-0.039				181.590	-3.00	1516+0.000		181.774	181.666	0.108	6.150	181.590	-3.00			6.615	182.075
6.310	182.288	-0.107				182.395	-3.00	1517+0.000		182.580	182.495	0.085	6.150	182.395	-3.00			6.407	182.703
6.178	183.182	-0.019				183.201	-3.00	1518+0.000		183.386	183.297	0.049	6.150	183.201	-3.00			6.307	183.358
6.643	183.678	-0.329				184.007	-3.00	1519+0.000		184.191	183.704	0.487	6.150	184.007	-3.00			6.409	184.266
6.284	184.723	-0.089				184.812	-3.00	1520+0.000		184.997	184.364	0.633	6.150	184.812	-3.00			6.307	184.969
6.697	185.162	-0.366				185.527	-3.00	1520+17.738		185.711	185.134	0.557	6.150	185.527	-3.00			6.393	185.570
6.650	185.284	-0.333				185.617	-3.00	1521+0.000		185.802	185.214	0.588	6.150	185.617	-3.00			6.359	185.626
6.543	186.094	-0.262				186.356	-3.00	1522+0.000		186.540	185.846	0.694	6.150	186.356	-3.00			6.274	186.273
6.347	186.854	-0.134				186.985	-3.00	1523+0.000		187.170	186.611	0.559	6.150	186.985	-3.00			6.392	187.027
6.193	187.477	-0.028				187.505	-3.00	1524+0.000		187.690	187.331	0.359	6.150	187.505	-3.00			6.413	187.768
6.231	188.017	0.101				187.916	-3.00	1525+0.000		188.101	187.894	0.207	6.150	187.916	-3.00			6.443	188.209
6.215	188.174	-0.044				188.218	-3.00	1526+0.000		188.402	188.162	0.240	6.150	188.218	-3.00			6.329	188.397
6.272	188.239	-0.081				188.410	-3.00	1527+0.000		188.594	188.386	0.208	6.150	188.410	-3.00			6.314	188.574
6.577	188.919	0.426				188.493	-3.00	1528+0.000		188.677	188.829	-0.152	6.150	188.493	-3.00			6.377	188.720
6.551	188.897	0.400				188.497	-3.00	1529+5.182		188.681	188.807	-0.126	6.150	188.497	-3.00			6.334	188.660
6.518	188.834	0.367				188.467	-3.00	1529+0.000		188.651	188.422	0.229	6.150	188.467	-3.00			6.254	188.570
6.311	188.223	-0.108				188.331	-3.00	1530+0.000		188.515	188.092	0.423	6.150	188.331	-3.00			6.391	188.362
6.325	188.261	0.175				188.086	-3.00	1531+0.000		188.271	187.664	0.607	6.150	188.086	-3.00			6.377	187.935
6.432	187.544	-0.188				187.732	-3.00	1532+0.000		187.916	187.219	0.697	6.150	187.732	-3.00			6.469	187.519
6.195	187.313	0.045				187.453	-3.00	1533+0.000		187.453	186.712	0.741	6.150	187.268	-3.00			6.161	187.261
6.245	186.791	0.095				186.696	-3.00	1534+0.000		186.880	186.344	0.536	6.150	186.696	-3.00			6.178	186.724
6.278	186.224	0.128				186.696	-3.00	1534+17.738		186.241	186.678	0.303	6.150	186.096	-3.00			6.238	186.038



Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Altura (m)		Alim. (m)	Cota (m)	Altura (m)	
Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)	Alim. (m)	Cota (m)	Altura (m)	Ind. (%)
6.350	186.214	0.200		6.150	186.014	-3.00		6.150	186.014	-3.00		6.150	186.014	-3.00		6.150	186.014	-3.00		6.150	186.014	-0.070	
6.309	185.184	-0.106		6.150	185.290	-3.00		6.150	185.290	-3.00		6.150	185.290	-3.00		6.150	185.290	-3.00		6.150	185.290	-0.043	
6.503	184.331	-0.236		6.150	184.566	-3.00		6.150	184.566	-3.00		6.150	184.566	-3.00		6.150	184.566	-3.00		6.150	184.566	-0.099	
6.590	183.548	-0.259		6.150	183.841	-3.00		6.150	183.841	-3.00		6.150	183.841	-3.00		6.150	183.841	-3.00		6.150	183.841	-0.091	
6.232	183.063	-0.054		6.150	183.117	-3.00		6.150	183.117	-3.00		6.150	183.117	-3.00		6.150	183.117	-3.00		6.150	183.117	-0.180	
6.584	182.104	-0.289		6.150	182.393	-3.00		6.150	182.393	-3.00		6.150	182.393	-3.00		6.150	182.393	-3.00		6.150	182.393	-0.245	
6.236	181.611	-0.098		6.150	181.669	-3.00		6.150	181.669	-3.00		6.150	181.669	-3.00		6.150	181.669	-3.00		6.150	181.669	-0.178	
6.665	180.601	-0.340		6.150	180.844	-3.00		6.150	180.844	-3.00		6.150	180.844	-3.00		6.150	180.844	-3.00		6.150	180.844	-0.351	
6.232	180.166	-0.054		6.150	180.220	-3.00		6.150	180.220	-3.00		6.150	180.220	-3.00		6.150	180.220	-3.00		6.150	180.220	-0.371	
6.597	179.198	-0.286		6.150	179.496	-3.00		6.150	179.496	-3.00		6.150	179.496	-3.00		6.150	179.496	-3.00		6.150	179.496	-0.280	
6.547	178.977	-0.364		6.150	179.241	-3.00		6.150	179.241	-3.00		6.150	179.241	-3.00		6.150	179.241	-3.00		6.150	179.241	-0.230	
6.506	178.547	-0.237		6.150	178.784	-3.00		6.150	178.784	-3.00		6.150	178.784	-3.00		6.150	178.784	-3.00		6.150	178.784	-0.113	
6.175	178.113	-0.017		6.150	178.310	-3.00		6.150	178.310	-3.00		6.150	178.310	-3.00		6.150	178.310	-3.00		6.150	178.310	-0.061	
6.211	177.597	-0.061		6.150	177.536	-3.00		6.150	177.536	-3.00		6.150	177.536	-3.00		6.150	177.536	-3.00		6.150	177.536	-0.004	
6.292	177.144	-0.141		6.150	177.003	-3.00		6.150	177.003	-3.00		6.150	177.003	-3.00		6.150	177.003	-3.00		6.150	177.003	-0.138	
6.391	176.889	-0.161		6.150	176.530	-3.00		6.150	176.530	-3.00		6.150	176.530	-3.00		6.150	176.530	-3.00		6.150	176.530	-0.123	
6.669	175.773	-0.346		6.150	176.119	-3.00		6.150	176.119	-3.00		6.150	176.119	-3.00		6.150	176.119	-3.00		6.150	176.119	-0.085	
6.841	175.307	-0.460		6.150	175.768	-3.00		6.150	175.768	-3.00		6.150	175.768	-3.00		6.150	175.768	-3.00		6.150	175.768	-0.382	
6.793	175.049	-0.429		6.150	175.478	-3.00		6.150	175.478	-3.00		6.150	175.478	-3.00		6.150	175.478	-3.00		6.150	175.478	-0.709	
7.225	174.532	-0.736		6.150	175.248	-3.00		6.150	175.248	-3.00		6.150	175.248	-3.00		6.150	175.248	-3.00		6.150	175.248	-0.744	
7.937	173.888	-1.191		6.150	175.079	-3.00		6.150	175.079	-3.00		6.150	175.079	-3.00		6.150	175.079	-3.00		6.150	175.079	-1.162	
8.204	173.665	-1.370		6.150	175.035	-3.00		6.150	175.035	-3.00		6.150	175.035	-3.00		6.150	175.035	-3.00		6.150	175.035	-1.236	
7.450	174.092	-0.867		6.150	174.959	-3.00		6.150	174.959	-3.00		6.150	174.959	-3.00		6.150	174.959	-3.00		6.150	174.959	-1.040	
6.751	174.441	-0.400		6.150	174.841	-3.00		6.150	174.841	-3.00		6.150	174.841	-3.00		6.150	174.841	-3.00		6.150	174.841	-1.088	
6.786	174.301	-0.423		6.150	174.724	-3.00		6.150	174.724	-3.00		6.150	174.724	-3.00		6.150	174.724	-3.00		6.150	174.724	-1.314	
7.157	173.916	-0.671		6.150	174.607	-3.00		6.150	174.607	-3.00		6.150	174.607	-3.00		6.150	174.607	-3.00		6.150	174.607	-1.385	
6.647	174.159	-0.331		6.150	174.490	-3.00		6.150	174.490	-3.00		6.150	174.490	-3.00		6.150	174.490	-3.00		6.150	174.490	-1.280	
6.720	173.993	-0.380		6.150	174.373	-3.00		6.150	174.373	-3.00		6.150	174.373	-3.00		6.150	174.373	-3.00		6.150	174.373	-1.232	
6.839	173.834	-0.460		6.150	174.294	-3.00		6.150	174.294	-3.00		6.150	174.294	-3.00		6.150	174.294	-3.00		6.150	174.294	-1.104	
6.688	173.895	-0.399		6.150	174.254	-3.00		6.150	174.254	-3.00		6.150	174.254	-3.00		6.150	174.254	-3.00		6.150	174.254	-1.086	
6.704	173.733	-0.369		6.150	174.102	-3.00		6.150	174.102	-3.00		6.150	174.102	-3.00		6.150	174.102	-3.00		6.150	174.102	-1.031	
6.391	173.748	-0.161		6.150	173.909	-3.00		6.150	173.909	-3.00		6.150	173.909	-3.00		6.150	173.909	-3.00		6.150	173.909	-0.895	
6.197	173.642	-0.032		6.150	173.674	-3.00		6.150	173.674	-3.00		6.150	173.674	-3.00		6.150	173.674	-3.00		6.150	173.674	-0.615	
6.157	173.392	-0.006		6.150	173.397	-3.00		6.150	173.397	-3.00		6.150	173.397	-3.00		6.150	173.397	-3.00		6.150	173.397	-0.420	
6.248	173.325	-0.068		6.150	173.227	-3.00		6.150	173.227	-3.00		6.150	173.227	-3.00		6.150	173.227	-3.00		6.150	173.227	-0.286	
6.244	173.015	-0.068		6.150	173.078	-3.00		6.150	173.078	-3.00		6.150	173.078	-3.00		6.150	173.078	-3.00		6.150	173.078	-0.251	
6.393	172.555	-0.168		6.150	172.718	-3.00		6.150	172.718	-3.00		6.150	172.718	-3.00		6.150	172.718	-3.00		6.150	172.718	-0.143	
6.258	172.624	-0.109		6.150	172.515	-3.00		6.150	172.515	-3.00		6.150	172.515	-3.00		6.150	172.515	-3.00		6.150	172.515	-0.093	



Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offet		Banqueta		Bordo		Estaca		Pontos Verticais		Cota Terreno		Cota Vermelho		Bordo		Banqueta		Offet	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.259	172.424	0.109		6.150	172.315	-3.00	1568+0.000			172.500	172.058	0.442	6.150	172.315	-3.00	6.135	172.192	-0.123	
6.715	171.604	-0.377		6.150	171.871	-3.00	1569+0.000			172.095	171.695	0.360	6.150	171.871	-3.00	6.388	171.732	-0.130	
6.650	171.642	-0.200		6.150	171.642	-3.00	1569+0.637		PT	171.626	171.251	0.575	6.150	171.642	-3.00	6.276	171.557	-0.085	
6.463	171.176	-0.209		6.150	171.385	-3.00	1570+0.000			171.569	171.098	0.471	6.150	171.385	-3.00	6.684	171.028	-0.357	
6.513	170.789	-0.242		6.150	171.031	-3.00	1570+13.559		PTV	171.216	170.813	0.403	6.150	171.031	-3.00	6.486	170.807	-0.224	
6.314	171.023	0.164		6.150	170.859	-3.00	1571+0.000			171.043	170.599	0.444	6.150	170.859	-3.00	6.391	170.698	-0.161	
6.594	170.027	-0.286		6.150	170.323	-3.00	1572+0.000			170.508	169.993	0.515	6.150	170.323	-3.00	6.809	170.217	-0.106	
6.315	169.953	0.165		6.150	169.788	-3.00	1573+0.000			169.973	169.407	0.566	6.150	169.788	-3.00	6.497	169.557	-0.231	
6.182	169.285	0.032		6.150	169.253	-3.00	1574+0.000			169.437	168.916	0.421	6.150	169.253	-3.00	6.674	168.904	-0.340	
6.787	168.297	-0.425		6.150	168.722	-3.00	1575+0.000			168.906	168.218	0.688	6.150	168.722	-3.00	6.940	168.462	-0.260	
6.932	167.727	-0.508		6.150	168.235	-3.00	1576+0.000			168.420	167.548	0.872	6.150	168.235	-3.00	7.075	167.618	-0.617	
6.787	167.376	-0.425		6.150	167.801	-3.00	1577+0.000			167.986	166.927	1.059	6.150	167.801	-3.00	7.804	166.972	-0.829	
7.073	166.805	-0.615		6.150	167.420	-3.00	1578+0.000			167.605	166.434	1.171	6.150	167.420	-3.00	7.833	166.431	-0.980	
7.073	166.608	-0.615		6.150	167.223	-3.00	1578+11.566		PCV	167.408	166.187	1.221	6.150	167.223	-3.00	7.833	166.235	-0.988	
7.406	166.255	-0.837		6.150	167.092	-3.00	1579+0.000			167.276	166.011	1.265	6.150	167.092	-3.00	8.129	165.772	-1.320	
7.603	165.848	-0.988		6.150	166.816	-3.00	1580+0.000			167.001	165.606	1.395	6.150	166.816	-3.00	8.382	165.362	-1.454	
7.913	165.419	-1.175		6.150	166.594	-3.00	1581+0.000			166.778	165.192	1.586	6.150	166.594	-3.00	8.902	165.026	-1.568	
7.968	165.212	-1.212		6.150	166.424	-3.00	1582+0.000			166.608	164.905	1.703	6.150	166.424	-3.00	8.905	164.587	-1.837	
8.253	164.905	-1.402		6.150	166.307	-3.00	1583+0.000			166.491	164.643	1.848	6.150	166.307	-3.00	9.284	164.211	-2.096	
8.818	164.464	-1.779		6.150	166.243	-3.00	1584+0.000			166.427	164.530	1.897	6.150	166.243	-3.00	9.664	163.940	-2.203	
9.163	164.222	-2.009		6.150	166.231	-3.00	1585+0.000			166.416	164.285	2.131	6.150	166.231	-3.00	9.901	163.730	-2.501	
9.163	164.240	-2.009		6.150	166.249	-3.00	1585+11.586		PTV	166.439	164.130	2.303	6.150	166.249	-3.00	9.901	163.748	-2.501	
9.556	164.002	-2.271		6.150	166.273	-3.00	1586+0.000			166.457	164.016	2.441	6.150	166.273	-3.00	10.020	163.360	-2.913	
9.686	163.910	-2.357		6.150	166.287	-3.00	1586+1.868			166.471	164.023	2.448	6.150	166.287	-3.00	10.011	163.300	-2.987	
10.079	163.893	-2.411		6.457	166.304	-3.00	1586+10.000			166.498	163.967	2.531	6.457	166.304	-3.00	11.132	163.187	-3.117	
10.751	163.813	-2.530		6.957	166.343	-3.00	1587+0.000			166.551	163.853	2.698	6.957	166.343	-3.00	11.893	163.052	-3.291	
11.696	163.568	-2.827		7.457	166.395	-3.00	1587+10.000			166.618	163.787	2.831	7.457	166.395	-3.00	12.514	163.023	-3.372	
11.696	163.580	-2.826		7.457	166.406	-3.00	1587+11.556		PCV	166.630	163.776	2.854	7.457	166.406	-3.00	12.514	163.035	-3.371	
11.696	163.580	-2.827		7.457	166.417	-3.00	1587+12.929			166.640	163.791	2.849	7.457	166.417	-3.00	12.514	163.045	-3.372	
12.460	163.457	-3.008		7.957	166.460	-3.00	1588+0.000			166.699	163.868	2.831	7.957	166.460	-3.00	13.169	162.985	-3.475	
13.212	163.368	-3.170		8.457	166.538	-3.00	1588+10.000			166.790	163.892	2.900	8.457	166.538	-3.00	13.715	163.032	-3.506	
13.370	163.688	-2.942		8.957	166.630	-3.00	1589+0.000			166.808	163.898	3.000	8.957	166.630	-3.00	14.200	163.134	-3.496	
13.915	163.762	-2.973		9.457	166.735	-3.00	1589+10.000			167.018	163.900	3.118	9.457	166.735	-3.00	14.707	163.234	-3.501	
14.150	163.778	-3.000		9.650	166.778	-3.00	1589+13.868			167.088	163.900	3.168	9.650	166.778	-3.00	14.915	163.268	-3.510	
14.002	163.956	-2.901		9.650	166.857	-3.00	1590+0.000			167.147	163.895	3.252	9.650	166.857	-3.00	14.935	163.333	-3.524	
14.165	163.976	-3.009		9.650	166.985	-3.00	1590+10.000			167.275	163.887	3.388	9.650	166.985	-3.00	14.969	163.439	-3.546	
14.438	163.921	-3.152		9.650	167.113	-3.00	1591+0.000			167.402	163.936	3.466	9.650	167.113	-3.00	15.025	163.529	-3.584	
14.307	164.127	-3.106		9.650	167.232	-3.00	1591+10.000			167.522	163.985	3.537	9.650	167.232	-3.00	15.060	163.625	-3.607	



HASH: 76ca2a1010d8eb12da5c669e1200c91db3319821d87250c509d90bf47e. Documento assinado digitalmente, válido em <https://aquiloeses.splag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUMN-HB79>. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025; HELIO MARQUES DE ARRUDA em 03/02/2025; DEVARLEY JOAO DOS SANTOS SOUZA em 03/02/2025; RAFAEL DEL GROSSI SOARES em 03/02/2025; LUANA DOS SANTOS VIANA em 03/02/2025; Juniado em 25/02/2026 15:31:21 por AMANDA ARAUJO.



Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Lado Direito					Bordo					Banqueta				
Offset		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
14.202	364.308	-3.034		9.650	167.342	-3.000		9.650	167.342	-3.000		9.650	167.342	-3.000		15.069	163.730	-3.612	
14.136	364.653	-2.991		9.650	167.444	-3.000		9.650	167.444	-3.000		9.650	167.444	-3.000		15.296	163.679	-3.765	
14.136	364.468	-2.990		9.650	167.458	-3.000		9.650	167.458	-3.000		9.650	167.458	-3.000		15.296	163.694	-3.764	
14.136	364.501	-2.991		9.650	167.492	-3.000		9.650	167.492	-3.000		9.650	167.492	-3.000		15.296	163.727	-3.765	
13.992	364.641	-2.894		9.650	167.535	-3.000		9.650	167.535	-3.000		9.650	167.535	-3.000		15.758	163.463	-4.072	
13.840	364.814	-2.794		9.650	167.608	-3.000		9.650	167.608	-3.000		9.650	167.608	-3.000		15.958	163.403	-4.205	
13.790	364.843	-2.777		9.650	167.620	-3.000		9.650	167.620	-3.000		9.650	167.620	-3.000		15.805	163.473	-4.147	
13.083	365.056	-2.653		9.650	167.709	-3.000		9.650	167.709	-3.000		9.650	167.709	-3.000		14.747	163.933	-3.776	
12.477	365.192	-2.596		9.650	167.788	-3.000		9.650	167.788	-3.000		9.650	167.788	-3.000		13.678	164.392	-3.396	
11.913	365.305	-2.553		9.650	167.858	-3.000		9.650	167.858	-3.000		9.650	167.858	-3.000		12.531	164.893	-2.965	
11.349	365.409	-2.510		9.650	167.919	-3.000		9.650	167.919	-3.000		9.650	167.919	-3.000		11.936	165.384	-2.631	
10.854	365.458	-2.513		9.650	167.971	-3.000		9.650	167.971	-3.000		9.650	167.971	-3.000		10.688	165.568	-2.403	
10.307	365.531	-2.483		9.650	168.014	-3.000		9.650	168.014	-3.000		9.650	168.014	-3.000		9.851	165.835	-2.179	
9.953	365.508	-2.536		9.650	168.043	-3.000		9.650	168.043	-3.000		9.650	168.043	-3.000		9.099	166.077	-1.966	
9.972	365.497	-2.548		9.650	168.045	-3.000		9.650	168.045	-3.000		9.650	168.045	-3.000		9.096	166.114	-1.931	
11.272	364.641	-3.415		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		8.890	166.202	-1.854	
11.486	364.698	-3.558		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		9.364	165.980	-2.076	
10.404	362.793	-5.263		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		11.270	164.642	-3.414	
15.990	361.496	-6.560		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		11.747	164.324	-3.732	
PONTE SOBRE O Córrego Jaci Queimado																			
14.189	362.696	-5.360		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		13.537	163.131	-4.925	
13.993	362.827	-5.229		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		13.645	163.059	-4.997	
11.827	364.271	-3.785		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		14.279	162.636	-5.420	
11.411	364.548	-3.508		9.650	168.056	-3.000		9.650	168.056	-3.000		9.650	168.056	-3.000		14.161	162.715	-5.341	
10.536	365.142	-2.904		9.650	168.066	-3.000		9.650	168.066	-3.000		9.650	168.066	-3.000		13.916	162.889	-5.177	
9.231	366.059	-2.054		9.650	168.113	-3.000		9.650	168.113	-3.000		9.650	168.113	-3.000		13.521	163.199	-4.914	
7.566	367.254	-0.946		9.650	168.199	-3.000		9.650	168.199	-3.000		9.650	168.199	-3.000		11.067	164.920	-3.279	
6.968	367.777	-0.545		9.650	168.322	-3.000		9.650	168.322	-3.000		9.650	168.322	-3.000		9.447	166.124	-2.198	
7.654	367.881	-0.608		9.650	168.484	-3.000		9.650	168.484	-3.000		9.650	168.484	-3.000		8.964	166.608	-1.876	
7.093	368.054	-0.629		9.650	168.683	-3.000		9.650	168.683	-3.000		9.650	168.683	-3.000		10.270	165.936	-2.747	
8.082	367.633	-1.287		9.650	168.820	-3.000		9.650	168.820	-3.000		9.650	168.820	-3.000		10.729	165.868	-3.051	
9.928	366.678	-2.538		9.650	169.196	-3.000		9.650	169.196	-3.000		9.650	169.196	-3.000		9.804	166.760	-2.436	
9.601	367.209	-2.301		9.650	169.510	-3.000		9.650	169.510	-3.000		9.650	169.510	-3.000		8.869	167.704	-1.906	
8.611	368.220	-1.641		9.650	169.861	-3.000		9.650	169.861	-3.000		9.650	169.861	-3.000		8.867	168.250	-1.611	
8.552	368.556	-1.601		9.650	169.957	-3.000		9.650	169.957	-3.000		9.650	169.957	-3.000		8.823	168.375	-1.582	
8.350	368.774	-1.466		9.650	170.425	-3.000		9.650	170.425	-3.000		9.650	170.425	-3.000		8.823	168.658	-1.582	
8.092	369.236	-1.295		9.650	170.621	-3.000		9.650	170.621	-3.000		9.650	170.621	-3.000		7.874	169.471	-1.150	
7.408	370.182	-0.889		9.650	171.601	-3.000		9.650	171.601	-3.000		9.650	171.601	-3.000		7.889	170.308	-0.693	



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Nota de Serviço de Terraplenagem																				
Lado Esquerdo										Lado Direto										
Banqueta										Banqueta										
Offet		Banqueta		Bordo		Estaca		Pontos Notáveis		Pontos Notáveis		Cota Vermelha		Bordo		Banqueta		Offet		
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	
7.887	170.557	-0.834		6.150	171.381	-3.00	1616+0.000		171.566	170.829	0.737	6.150	171.381	-3.00	171.381	-0.830	7.095	170.751	-0.930	
7.115	171.118	-0.644		6.150	171.762	-3.00	1617+0.000		171.966	171.387	0.579	6.150	171.762	-3.00	171.762	-0.646	6.668	171.416	-0.946	
8.136	170.918	-1.334		6.150	172.142	-3.00	1618+0.000		172.327	171.770	0.557	6.150	172.142	-3.00	172.142	-1.334	7.151	171.475	-0.967	
8.250	170.892	-1.401		6.150	172.293	-3.00	1618+7.907	PCV	172.477	171.943	0.534	6.150	172.293	-3.00	172.293	-1.401	7.611	171.118	-0.975	
7.692	171.914	-0.628		6.150	172.542	-3.00	1619+0.000		172.727	172.203	0.524	6.150	172.542	-3.00	172.542	-0.628	9.900	170.909	-2.233	
6.781	172.621	-0.421		6.150	173.042	-3.00	1620+0.000		173.226	172.775	0.451	6.150	173.042	-3.00	173.042	-0.421	8.645	171.178	-1.664	
6.694	173.287	-0.362		6.150	173.649	-3.00	1621+0.000		173.834	173.450	0.384	6.150	173.649	-3.00	173.649	-0.362	7.139	172.990	-0.659	
6.239	174.305	-0.000		6.150	174.365	-3.00	1622+0.000		174.550	174.142	0.408	6.150	174.365	-3.00	174.365	-0.000	6.612	174.057	-0.308	
6.572	174.807	-0.282		6.150	175.189	-3.00	1623+0.000		175.373	174.902	0.471	6.150	175.189	-3.00	175.189	-0.282	6.347	175.057	-0.132	
6.736	175.730	-0.390		6.150	176.120	-3.00	1624+0.000		176.304	175.836	0.468	6.150	176.120	-3.00	176.120	-0.390	6.393	175.825	-0.295	
6.808	176.721	-0.438		6.150	177.159	-3.00	1625+0.000		177.344	176.887	0.447	6.150	177.159	-3.00	177.159	-0.438	6.092	176.798	-0.361	
6.550	178.040	-0.267		6.150	178.307	-3.00	1626+0.000		178.491	178.087	0.404	6.150	178.307	-3.00	178.307	-0.267	6.702	177.939	-0.368	
6.291	179.468	-0.094		6.150	179.562	-3.00	1627+0.000		179.746	179.360	0.386	6.150	179.562	-3.00	179.562	-0.094	6.575	179.279	-0.283	
7.182	180.237	-0.688		6.150	180.925	-3.00	1628+0.000		181.110	180.688	0.422	6.150	180.925	-3.00	180.925	-0.688	6.506	180.688	-0.237	
7.200	180.794	-0.700		6.150	181.494	-3.00	1628+7.907	PTV	181.678	181.213	0.465	6.150	181.494	-3.00	181.494	-0.700	6.483	181.272	-0.222	
7.049	181.777	-0.600		6.150	182.377	-3.00	1629+0.000		182.561	182.265	0.496	6.150	182.377	-3.00	182.377	-0.600	6.773	181.962	-0.415	
7.044	181.808	-0.596		6.150	182.404	-3.00	1629+0.372		182.588	182.292	0.496	6.150	182.404	-3.00	182.404	-0.596	6.765	181.994	-0.410	
6.948	183.304	-0.533		6.150	183.837	-3.00	1630+0.000		184.021	183.501	0.520	6.150	183.837	-3.00	183.837	-0.533	6.718	183.458	-0.379	
6.874	184.814	-0.482		6.150	185.296	-3.00	1631+0.000		185.481	184.966	0.515	6.150	185.296	-3.00	185.296	-0.482	6.796	184.866	-0.430	
6.727	186.372	-0.384		6.150	186.756	-3.00	1632+0.000		186.941	186.348	0.593	6.150	186.756	-3.00	186.756	-0.384	6.388	186.598	-0.158	
6.874	187.734	-0.482		6.150	188.216	-3.00	1633+0.000		188.401	187.833	0.568	6.150	188.216	-3.00	188.216	-0.482	6.483	188.047	-0.169	
7.108	189.037	-0.839		6.150	189.676	-3.00	1634+0.000		189.861	189.408	0.453	6.150	189.676	-3.00	189.676	-0.839	6.156	189.672	-0.004	
6.212	191.198	0.062		6.150	191.136	-3.00	1635+0.000		191.321	191.173	0.148	6.150	191.136	-3.00	191.136	0.062	6.248	191.071	-0.065	
6.810	193.256	0.660		6.150	193.596	-3.00	1636+0.000		193.780	193.619	0.161	6.150	193.596	-3.00	193.596	0.660	6.352	192.798	0.202	
7.184	195.089	1.033		6.150	194.056	-3.00	1637+0.000		194.240	194.237	0.003	6.150	194.056	-3.00	194.056	1.033	6.801	194.707	0.651	
7.117	196.482	0.946		6.150	195.516	-3.00	1638+0.000		195.700	195.818	-0.118	6.150	195.516	-3.00	195.516	0.946	6.922	196.287	0.771	
7.124	197.895	0.974		6.150	196.921	-3.00	1639+19.257	PCV	197.106	197.390	-0.284	6.150	196.921	-3.00	196.921	0.974	7.167	197.938	1.017	
7.121	197.946	0.970		6.150	198.976	-3.00	1639+0.000		197.160	197.434	-0.274	6.150	198.976	-3.00	198.976	0.970	7.182	198.008	1.032	
8.332	200.532	2.182		6.150	198.350	-3.00	1640+0.000		198.535	198.992	-0.457	6.150	198.350	-3.00	198.350	2.182	7.447	199.646	1.298	
12.325	205.741	6.175		6.150	199.566	-3.00	1641+0.000		199.751	200.393	-0.642	6.150	199.566	-3.00	199.566	6.175	8.389	201.765	2.219	
11.597	206.030	5.407		6.150	200.623	-3.00	1642+0.000		200.808	202.093	-1.285	6.150	200.623	-3.00	200.623	5.407	8.890	203.363	2.740	
11.186	206.570	5.048		6.150	201.522	-3.00	1643+0.000		201.706	203.771	-2.065	6.150	201.522	-3.00	201.522	5.048	10.335	205.607	4.086	
11.576	207.688	5.426		6.150	202.262	-3.00	1644+0.000		202.446	204.844	-2.398	6.150	202.262	-3.00	202.262	5.426	11.190	207.301	5.089	
12.128	208.821	5.978		6.150	202.843	-3.00	1645+0.000		203.027	206.289	-3.262	6.150	202.843	-3.00	202.843	5.978	11.231	207.924	5.081	
12.121	209.236	5.971		6.150	203.265	-3.00	1646+0.000		203.450	206.715	-3.265	6.150	203.265	-3.00	203.265	5.971	10.886	208.102	4.837	
11.806	209.184	5.655		6.150	203.529	-3.00	1647+0.000		203.713	206.907	-3.194	6.150	203.529	-3.00	203.529	5.655	10.667	208.046	4.517	
11.982	209.446	5.812		6.150	203.634	-3.00	1648+0.000		203.818	206.935	-3.107	6.150	203.634	-3.00	203.634	5.812	10.447	207.931	4.297	
12.006	209.491	5.855		6.150	203.636	-3.00	1648+0.372		203.821	206.904	-3.083	6.150	203.636	-3.00	203.636	5.855	10.451	207.937	4.304	



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Cota Vermelha		Bordo		Banqueta		Bordo		Cota Vermelha		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
11.634	209.069	5.484		6.150	203.585	-3,00	1648+19.257	PTV	203.770	206.701	-2.931	6.150	203.585	-3,00		10.993	207.828	4.243	
11.609	209.039	5.459		6.150	203.580	-3,00	1649+0.000		203.765	206.690	-2.925	6.150	203.580	-3,00		10.999	207.829	4.249	
11.098	208.961	4.908		6.150	203.453	-3,00	1650+0.000		203.638	206.149	-2.511	6.150	203.453	-3,00		8.861	207.154	3.701	
10.678	207.854	4.528		6.150	203.326	-3,00	1651+0.000		203.511	205.725	-2.214	6.150	203.326	-3,00		8.851	205.627	2.301	
10.672	207.721	4.522		6.150	203.199	-3,00	1652+0.000		203.383	205.300	-1.917	6.150	203.199	-3,00		8.228	205.277	2.078	
10.492	207.414	4.342		6.150	203.072	-3,00	1653+0.000		203.256	204.854	-1.598	6.150	203.072	-3,00		8.497	205.419	2.347	
10.800	207.595	4.650		6.150	202.845	-3,00	1654+0.000		203.129	204.352	-1.223	6.150	202.845	-3,00		8.637	205.411	2.466	
10.927	207.594	4.777		6.150	202.817	-3,00	1655+0.000		203.002	203.753	-0.751	6.150	202.817	-3,00		7.112	203.760	0.963	
10.076	206.616	3.926		6.150	202.690	-3,00	1656+0.000		202.875	203.220	-0.345	6.150	202.690	-3,00		6.837	203.337	0.697	
7.818	204.231	1.668		6.150	202.563	-3,00	1657+0.000		202.748	202.762	-0.014	6.150	202.563	-3,00		6.883	202.986	0.033	
6.486	202.772	0.336		6.150	202.436	-3,00	1658+0.000		202.621	202.334	0.287	6.150	202.436	-3,00		7.495	201.306	-1.130	
6.361	202.168	-0.141		6.150	202.309	-3,00	1659+0.000		202.493	201.942	0.551	6.150	202.309	-3,00		8.224	200.926	-1.383	
6.681	201.828	-0.354		6.150	202.182	-3,00	1660+0.000		202.366	201.524	0.842	6.150	202.182	-3,00		8.799	200.416	-1.766	
7.567	201.110	-0.946		6.150	202.055	-3,00	1661+0.000		202.239	201.171	1.068	6.150	202.055	-3,00		8.274	200.639	-1.416	
8.092	200.633	-1.294		6.150	201.927	-3,00	1662+0.000		202.112	200.992	1.120	6.150	201.927	-3,00		9.173	199.912	-2.015	
8.203	200.537	-1.389		6.150	201.806	-3,00	1663+0.383	PCV	202.090	200.927	1.163	6.150	201.806	-3,00		9.394	199.877	-2.029	
8.300	200.414	-1.434		6.150	201.648	-3,00	1664+0.000		202.032	200.739	1.293	6.150	201.648	-3,00		9.464	199.645	-2.203	
8.408	200.409	-1.498		6.150	201.647	-3,00	1665+0.861		202.032	200.719	1.313	6.150	201.647	-3,00		9.391	199.697	-2.160	
8.030	200.651	-1.253		6.150	201.504	-3,00	1666+0.000		202.088	200.708	1.380	6.150	201.504	-3,00		8.877	200.086	-1.818	
8.411	200.590	-1.507		6.150	202.097	-3,00	1667+0.000		202.280	200.871	1.411	6.150	202.097	-3,00		8.921	200.517	-1.580	
8.810	200.655	-1.774		6.150	202.429	-3,00	1668+0.000		202.613	201.094	1.579	6.150	202.429	-3,00		8.502	200.827	-1.602	
9.225	200.848	-2.090		6.150	202.898	-3,00	1669+0.000		203.082	201.434	1.658	6.150	202.898	-3,00		8.943	201.302	-1.596	
9.774	201.088	-2.416		6.150	203.504	-3,00	1670+0.000		203.689	202.155	1.534	6.150	203.504	-3,00		9.148	201.506	-1.998	
9.945	201.718	-2.530		6.150	204.248	-3,00	1669+0.000		204.433	203.145	1.288	6.150	204.248	-3,00		7.995	203.485	-0.763	
7.818	204.018	-1.112		6.150	205.130	-3,00	1670+0.000		205.314	204.255	1.059	6.150	205.130	-3,00		7.113	204.488	-0.642	
7.155	205.479	-0.670		6.150	206.149	-3,00	1671+0.000		206.334	205.409	0.925	6.150	206.149	-3,00		6.748	205.751	-0.398	
6.899	206.807	-0.499		6.150	207.306	-3,00	1672+0.000		207.491	206.594	0.897	6.150	207.306	-3,00		6.757	206.902	-0.404	
6.878	207.030	-0.486		6.150	207.516	-3,00	1673+0.383	PTV	207.702	206.803	0.897	6.150	207.516	-3,00		6.976	207.032	-0.484	
6.813	208.111	-0.442		6.150	208.553	-3,00	1674+0.000		208.298	207.955	0.783	6.150	208.553	-3,00		6.988	207.988	-0.565	
6.277	209.497	-0.085		6.150	209.582	-3,00	1675+16.467	PCV	209.766	209.071	0.695	6.150	209.582	-3,00		6.787	209.157	-0.425	
6.158	209.808	0.008		6.150	209.800	-3,00	1676+0.000		209.985	209.315	0.670	6.150	209.800	-3,00		6.792	209.392	-0.408	
6.349	210.827	-0.138		6.150	210.960	-3,00	1677+0.000		211.144	210.688	0.456	6.150	210.960	-3,00		6.466	210.749	-0.211	
6.526	211.736	-0.251		6.150	211.987	-3,00	1678+0.000		212.171	211.794	0.407	6.150	211.987	-3,00		6.995	211.824	-0.163	
6.294	213.025	0.144		6.150	212.881	-3,00	1677+0.000		213.066	212.974	0.092	6.150	212.881	-3,00		6.348	212.750	-0.131	
6.706	213.273	-0.370		6.150	213.643	-3,00	1678+0.000		213.828	213.963	-0.135	6.150	213.643	-3,00		6.946	213.839	0.196	
6.246	214.388	0.095		6.150	214.273	-3,00	1679+0.000		214.657	214.922	-0.465	6.150	214.273	-3,00		6.840	214.963	0.090	
6.928	215.548	0.778		6.150	214.770	-3,00	1680+0.000		214.954	215.881	-0.927	6.150	214.770	-3,00		7.523	216.143	1.373	
7.690	216.635	1.500		6.150	215.135	-3,00	1681+0.000		215.319	216.857	-1.538	6.150	215.135	-3,00		8.032	217.017	1.882	



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Nota de Serviço de Terraplenagem																											
Lado Esquerdo												Lado Direito															
Eixo												Banco															
Barqueta						Bordo						Bordo						Barqueta									
Ofset		Altura (m)		Incl. (%)		Cota (m)		Incl. (%)		Estatua		Pontos Notáveis Horizontal		Pontos Notáveis Vertical		Cota Projeto		Cota Terreno		Cota Ventreirada		Incl. (%)		Cota (m)		Altura (m)	
Altura (m)	Ofset (m)	Cota (m)	Altura (m)	Cota (m)	Incl. (%)	Cota (m)	Altura (m)	Cota (m)	Incl. (%)	Cota (m)	Altura (m)	Cota (m)	Incl. (%)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Incl. (%)	Cota (m)	Altura (m)	Cota (m)	Incl. (%)	Cota (m)	Altura (m)	Ofset (m)	Altura (m)
7.537	216.753	1.886	6.150	213.867	-3.00	1684+0.000								215.551	217.151	-1.600	6.150	215.367	-3.00		8.246	217.643	2.096				
7.537	216.911	1.444	6.150	215.467	-3.00	1683+0.000								215.651	217.102	-1.451	6.150	215.467	-3.00		8.254	217.571	2.104				
7.628	216.949	1.478	6.150	215.471	-3.00	1683+5.054								215.655	216.996	-1.341	6.150	215.471	-3.00		8.285	217.606	2.135				
7.633	216.932	1.483	6.150	215.449	-3.00	1683+16.467				PTV				215.634	216.732	-1.098	6.150	215.449	-3.00		8.148	217.447	1.998				
7.644	216.929	1.493	6.150	215.436	-3.00	1684+0.000								215.620	216.649	-1.029	6.150	215.436	-3.00		8.035	217.221	1.985				
7.259	216.469	1.109	6.150	215.360	-3.00	1685+0.000								215.545	216.185	-0.640	6.150	215.360	-3.00		7.408	216.613	1.253				
6.561	215.011	-0.274	6.150	215.285	-3.00	1686+0.000								215.449	215.700	-0.231	6.150	215.285	-3.00		6.614	215.749	0.464				
7.084	214.620	-0.623	6.150	215.243	-3.00	1686+11.044				PC				215.427	215.375	0.052	6.150	215.243	-3.00		6.334	215.427	0.184				
7.084	214.600	-1.169	6.150	215.209	-3.00	1687+0.000								215.394	214.809	0.585	6.150	215.209	-3.00		6.473	214.904	-0.215				
9.280	213.047	-2.086	6.150	215.133	-3.00	1688+0.000								215.318	214.671	0.647	6.150	215.133	-3.00		7.046	214.536	-0.937				
8.311	213.617	-1.441	6.150	215.058	-3.00	1689+0.000								215.242	214.301	0.941	6.150	215.058	-3.00		8.224	213.675	-1.383				
8.137	213.705	-1.324	6.150	215.029	-3.00	1689+7.546								215.214	214.257	0.957	6.150	215.029	-3.00		8.843	213.234	-1.795				
7.929	213.796	-1.186	6.150	214.982	-3.00	1690+0.000								215.167	214.139	1.028	6.150	214.982	-3.00		8.122	213.668	-1.314				
7.311	214.133	-0.774	6.150	214.907	-3.00	1691+0.000								215.091	214.209	0.882	6.150	214.907	-3.00		8.500	213.340	-1.867				
7.085	214.208	-0.623	6.150	214.831	-3.00	1692+0.000								215.016	214.184	0.832	6.150	214.831	-3.00		8.486	213.274	-1.557				
7.258	214.077	-0.778	6.150	214.816	-3.00	1693+0.048				PT				215.000	214.183	0.817	6.150	214.816	-3.00		8.307	213.378	-1.838				
6.440	214.562	-0.193	6.150	214.755	-3.00	1693+0.000								214.940	214.517	0.423	6.150	214.755	-3.00		7.335	213.966	-0.789				
7.140	215.670	0.990	6.150	214.680	-3.00	1694+0.000								214.864	214.448	0.216	6.150	214.680	-3.00		6.846	214.216	-0.464				
7.019	214.025	-0.579	6.150	214.604	-3.00	1694+0.000								214.789	214.298	0.491	6.150	214.604	-3.00		7.544	213.662	-0.942				
6.963	213.886	-0.543	6.150	214.529	-3.00	1695+0.000								214.713	214.277	0.436	6.150	214.529	-3.00		7.434	213.673	-0.856				
6.658	214.114	-0.339	6.150	214.453	-3.00	1697+0.000								214.638	214.649	0.589	6.150	214.453	-3.00		7.000	213.886	-0.567				
6.305	214.274	-0.104	6.150	214.378	-3.00	1698+0.000								214.562	213.888	0.574	6.150	214.378	-3.00		6.995	213.814	-0.564				
6.582	214.027	-0.275	6.150	214.302	-3.00	1699+0.000								214.448	214.032	0.654	6.150	214.302	-3.00		6.817	213.857	-0.445				
6.284	214.360	0.134	6.150	214.226	-3.00	1700+0.000								214.411	214.210	0.201	6.150	214.226	-3.00		6.660	213.886	-0.340				
6.330	214.097	-0.064	6.150	214.151	-3.00	1701+0.000								214.338	214.006	0.329	6.150	214.151	-3.00		6.808	213.712	-0.439				
6.917	213.564	-0.511	6.150	214.075	-3.00	1702+0.000								214.260	213.747	0.513	6.150	214.075	-3.00		7.288	213.330	-0.745				
6.933	213.877	-0.123	6.150	214.000	-3.00	1703+0.000								214.184	213.922	0.652	6.150	214.000	-3.00		7.170	213.320	-0.880				
6.334	213.971	-0.122	6.150	213.993	-3.00	1703+1.675				PCV				214.178	213.516	0.662	6.150	213.993	-3.00		7.167	213.315	-0.978				
6.289	213.796	-0.092	6.150	213.888	-3.00	1704+0.000								214.073	213.331	0.742	6.150	213.888	-3.00		7.444	213.025	-0.863				
6.618	213.880	-0.311	6.150	213.691	-3.00	1705+0.000								213.876	213.145	0.731	6.150	213.691	-3.00		7.686	212.661	-1.030				
6.646	213.078	-0.331	6.150	213.409	-3.00	1706+0.000								213.598	213.604	0.589	6.150	213.409	-3.00		7.935	212.232	-1.177				
6.469	212.862	-0.079	6.150	213.041	-3.00	1707+0.000								213.285	212.871	0.355	6.150	213.041	-3.00		6.984	212.485	-0.556				
6.411	212.414	-0.174	6.150	212.588	-3.00	1708+0.000								212.772	212.465	0.307	6.150	212.588	-3.00		6.823	212.139	-0.449				
6.271	211.964	-0.085	6.150	212.049	-3.00	1709+0.000								212.238	211.967	0.269	6.150	212.049	-3.00		6.911	211.541	-0.508				
6.871	210.944	-0.480	6.150	211.424	-3.00	1710+0.000								211.659	211.370	0.235	6.150	211.424	-3.00		6.561	211.150	-0.274				
7.032	210.282	-0.432	6.150	210.714	-3.00	1711+0.000								210.688	210.584	0.314	6.150	210.714	-3.00		6.685	210.532	-0.362				
7.662	208.510	-1.008	6.150	209.918	-3.00	1712+0.000								210.103	209.665	0.438	6.150	209.918	-3.00		7.209	209.213	-0.705				
7.258	209.455	-0.573	6.150	209.027	-3.00	1713+0.000								209.323	208.844	0.298	6.150	209.027	-3.00		6.970	208.448	-0.300				

Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offet		Banqueta		Bordo		Cota Vermelha		Pontos Verticais		Estaca		Bordo		Banqueta		Bordo		Cota Vermelha	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
7.062	208.351	-0.608				6.150	208.959	3.00	1713+1.675			6.150	208.959	-3.00		6.150	208.959	-3.00	
7.463	207.231	-0.875				6.150	208.106	3.00	1714+0.000			6.150	208.106	-3.00		6.150	208.106	-3.00	
7.460	206.302	-0.879				6.150	207.175	3.00	1715+0.000			6.150	207.175	-3.00		6.150	207.175	-3.00	
7.349	205.444	-0.800				6.150	206.244	3.00	1716+0.000			6.150	206.244	-3.00		6.150	206.244	-3.00	
7.111	204.672	-0.641				6.150	205.313	3.00	1717+0.000			6.150	205.313	-3.00		6.150	205.313	-3.00	
6.666	204.037	-0.344				6.150	204.381	3.00	1718+0.000			6.150	204.381	-3.00		6.150	204.381	-3.00	
6.548	203.849	0.399				6.150	203.450	3.00	1719+0.000			6.150	203.450	-3.00		6.150	203.450	-3.00	
7.115	203.484	0.965				6.150	202.519	3.00	1720+0.000			6.150	202.519	-3.00		6.150	202.519	-3.00	
6.930	202.368	0.780				6.150	201.588	3.00	1721+0.000			6.150	201.588	-3.00		6.150	201.588	-3.00	
6.440	200.947	0.260				6.150	200.657	3.00	1722+0.000			6.150	200.657	-3.00		6.150	200.657	-3.00	
6.793	200.369	0.643				6.150	199.776	3.00	1723+0.000			6.150	199.776	-3.00		6.150	199.776	-3.00	
6.627	199.272	0.478				6.150	198.794	3.00	1724+0.000			6.150	198.794	-3.00		6.150	198.794	-3.00	
6.597	198.310	0.447				6.150	197.863	3.00	1725+0.000			6.150	197.863	-3.00		6.150	197.863	-3.00	
6.600	198.294	0.450				6.150	197.844	3.00	1726+0.000			6.150	197.844	-3.00		6.150	197.844	-3.00	
6.449	197.309	0.299				6.150	197.010	3.00	1727+0.000			6.150	197.010	-3.00		6.150	197.010	-3.00	
6.801	195.884	-0.434				6.150	196.318	3.00	1728+0.000			6.150	196.318	-3.00		6.150	196.318	-3.00	
8.582	194.167	-1.621				6.150	195.788	3.00	1729+0.000			6.150	195.788	-3.00		6.150	195.788	-3.00	
9.994	192.857	-2.568				6.150	195.420	3.00	1730+0.000			6.150	195.420	-3.00		6.150	195.420	-3.00	
13.233	190.492	-4.721				6.150	195.213	3.00	1731+0.000			6.150	195.213	-3.00		6.150	195.213	-3.00	
12.151	191.164	-4.002				6.150	195.165	3.00	1732+0.000			6.150	195.165	-3.00		6.150	195.165	-3.00	
11.108	191.867	-3.302				6.150	195.169	3.00	1733+0.000			6.150	195.169	-3.00		6.150	195.169	-3.00	
8.033	194.031	-1.295				6.150	195.286	3.00	1734+0.000			6.150	195.286	-3.00		6.150	195.286	-3.00	
6.840	195.105	-0.460				6.150	195.565	3.00	1735+0.000			6.150	195.565	-3.00		6.150	195.565	-3.00	
7.086	195.382	-0.624				6.150	196.006	3.00	1736+0.000			6.150	196.006	-3.00		6.150	196.006	-3.00	
7.141	195.948	-0.664				6.150	196.609	3.00	1737+0.000			6.150	196.609	-3.00		6.150	196.609	-3.00	
7.147	195.958	-0.666				6.150	196.623	3.00	1738+0.000			6.150	196.623	-3.00		6.150	196.623	-3.00	
7.281	196.542	-0.794				6.150	197.296	3.00	1739+0.000			6.150	197.296	-3.00		6.150	197.296	-3.00	
6.901	197.482	-0.501				6.150	197.983	3.00	1740+0.000			6.150	197.983	-3.00		6.150	197.983	-3.00	
6.209	198.728	0.059				6.150	198.669	3.00	1741+0.000			6.150	198.669	-3.00		6.150	198.669	-3.00	
6.397	199.603	0.247				6.150	199.356	3.00	1742+0.000			6.150	199.356	-3.00		6.150	199.356	-3.00	
6.461	200.394	0.311				6.150	200.043	3.00	1743+0.000			6.150	200.043	-3.00		6.150	200.043	-3.00	
6.584	201.174	0.444				6.150	200.730	3.00	1744+0.000			6.150	200.730	-3.00		6.150	200.730	-3.00	
6.738	202.005	0.588				6.150	201.417	3.00	1745+0.000			6.150	201.417	-3.00		6.150	201.417	-3.00	
6.773	202.727	0.623				6.150	202.104	3.00	1746+0.000			6.150	202.104	-3.00		6.150	202.104	-3.00	
6.685	202.929	0.535				6.150	202.394	3.00	1747+0.000			6.150	202.394	-3.00		6.150	202.394	-3.00	
6.582	203.216	0.432				6.150	202.874	3.00	1748+0.000			6.150	202.874	-3.00		6.150	202.874	-3.00	
6.519	203.796	0.369				6.150	203.427	3.00	1749+0.000			6.150	203.427	-3.00		6.150	203.427	-3.00	
6.513	204.392	0.363				6.150	204.029	3.00	1750+0.000			6.150	204.029	-3.00		6.150	204.029	-3.00	



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Banqueta				Bordo				Cota Vermelha				Banqueta				Bordo				Cota Vermelha			
Altura (m)	Cota (m)	Alisat (m)	Alisat (m)	Altura (m)	Cota (m)	Alisat (m)	Alisat (m)	Altura (m)	Cota (m)	Alisat (m)	Alisat (m)	Altura (m)	Cota (m)	Alisat (m)	Alisat (m)	Altura (m)	Cota (m)	Alisat (m)	Alisat (m)	Altura (m)	Cota (m)	Alisat (m)	Alisat (m)
6.363	204.804	0.214				6.150	204.590	-3.00	0.440	204.335	204.335					6.150	204.590	-3.00		6.399	204.624	-0.166	
6.204	205.165	0.054				6.150	205.111	-3.00	0.488	204.807	204.807					6.150	205.111	-3.00		6.380	204.971	-0.140	
6.287	205.727	0.137				6.150	205.590	-3.00	0.522	205.253	205.253					6.150	205.590	-3.00		6.418	205.412	-0.178	
6.420	206.299	0.270				6.150	206.029	-3.00	0.515	206.699	206.699					6.150	206.029	-3.00		6.278	205.944	-0.083	
6.530	206.807	0.380				6.150	206.427	-3.00	0.433	206.611	206.611					6.150	206.427	-3.00		6.214	206.491	0.004	
6.530	206.804	0.200				6.150	206.784	-3.00	0.385	206.589	206.589					6.150	206.784	-3.00		6.524	206.535	-0.249	
6.516	207.466	0.346				6.150	207.100	-3.00	0.422	207.286	207.286					6.150	207.100	-3.00		6.498	206.868	-0.232	
6.211	207.437	0.061				6.150	207.376	-3.00	0.406	207.154	207.154					6.150	207.376	-3.00		6.234	207.320	-0.056	
6.527	207.897	0.377				6.150	207.610	-3.00	0.380	207.435	207.435					6.150	207.610	-3.00		6.152	207.609	-0.001	
6.512	208.166	0.362				6.150	207.804	-3.00	0.415	207.574	207.574					6.150	207.804	-3.00		6.290	207.711	-0.093	
6.532	208.139	0.182				6.150	207.957	-3.00	0.390	207.812	207.812					6.150	207.957	-3.00		6.296	207.860	-0.097	
6.265	208.184	0.115				6.150	208.069	-3.00	0.266	208.254	208.254					6.150	208.069	-3.00		6.288	207.977	-0.092	
6.198	208.188	0.048				6.150	208.140	-3.00	0.311	208.034	208.034					6.150	208.140	-3.00		6.562	207.799	-0.341	
6.184	208.190	0.034				6.150	208.156	-3.00	0.395	207.945	207.945					6.150	208.156	-3.00		6.413	207.980	-0.176	
6.181	208.201	0.030				6.150	208.171	-3.00	0.453	207.902	207.902					6.150	208.171	-3.00		6.448	207.972	-0.199	
6.182	208.204	0.032				6.150	208.172	-3.00	0.473	207.884	207.884					6.150	208.172	-3.00		6.476	207.955	-0.217	
6.223	208.112	-0.048				6.150	208.160	-3.00	0.513	207.832	207.832					6.150	208.160	-3.00		6.570	207.881	-0.279	
6.171	208.140	0.021				6.150	208.109	-3.00	0.507	207.787	207.787					6.150	208.109	-3.00		6.604	207.767	-0.342	
6.177	208.072	-0.018				6.150	208.090	-3.00	0.491	207.783	207.783					6.150	208.090	-3.00		6.635	207.766	-0.324	
6.302	208.009	-0.161				6.150	208.170	-0.51	0.454	207.748	207.748					6.150	208.017	-3.00		6.653	207.682	-0.335	
6.446	207.986	-0.198				6.150	208.184	0.00	0.455	207.729	207.729					6.150	207.999	-3.00		6.645	207.669	-0.330	
6.798	207.810	-0.432				6.150	208.242	2.82	0.520	207.549	207.549					6.150	207.884	-3.00		6.901	207.384	-0.500	
6.818	207.799	-0.446				6.150	208.245	3.00	0.520	207.540	207.540					6.150	207.876	-3.00		6.901	207.375	-0.501	
6.924	207.742	-0.516				6.150	208.258	4.00	0.521	207.491	207.491					6.150	207.766	-4.00		6.906	207.328	-0.418	
6.925	207.625	-0.516				6.150	208.141	4.00	0.481	207.404	207.404					6.150	207.649	-4.00		6.406	207.478	-0.171	
6.943	207.998	-0.528				6.150	207.936	4.00	0.448	207.232	207.232					6.150	207.434	-4.00		6.288	207.342	-0.092	
6.866	207.194	-0.477				6.150	207.671	4.00	0.456	206.969	206.969					6.150	207.179	-4.00		6.164	207.170	-0.009	
6.763	206.966	-0.409				6.150	207.375	4.00	0.420	206.709	206.709					6.150	206.883	-4.00		6.507	206.644	-0.239	
6.725	206.854	-0.388				6.150	207.237	4.00	0.457	206.534	206.534					6.150	206.745	-4.00		6.489	206.533	-0.212	
6.605	206.741	-0.304				6.150	207.045	4.00	0.416	206.383	206.383					6.150	206.553	-4.00		6.174	206.536	-0.017	
6.616	206.533	-0.178				6.150	206.711	4.00	0.277	206.465	206.465					6.150	206.219	-4.00		6.426	206.034	-0.185	
6.374	206.291	-0.140				6.150	206.440	4.00	0.289	206.194	206.194					6.150	205.905	-4.00		6.441	205.754	-0.194	
6.379	206.224	-0.153				6.150	206.377	4.00	0.309	206.131	206.131					6.150	205.885	-4.00		6.533	205.629	-0.256	
6.351	206.909	-0.134				6.150	206.043	4.00	0.339	205.797	205.797					6.150	205.551	-4.00		6.230	205.497	-0.054	
6.437	206.518	-0.193				6.150	205.709	4.00	0.477	204.986	204.986					6.150	205.217	-4.00		6.545	204.953	-0.264	
6.614	206.066	-0.309				6.150	205.375	4.00	0.583	204.546	204.546					6.150	204.883	-4.00		6.796	204.493	-0.390	
6.693	204.679	-0.362				6.150	205.041	4.00	0.546	204.195	204.195					6.150	204.549	-4.00		6.705	204.179	-0.370	
6.682	204.551	-0.354				6.150	204.707	4.00	0.575	203.886	203.886					6.150	204.215	-4.00		6.796	203.824	-0.391	



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Nota de Serviço de Terraplenagem																							
Lado Esquerdo												Lado Direito											
Eixo												Eixo											
Offet				Banqueta				Bordo				Banqueta				Bordo				Offet			
Alim. (m)	Cota (m)	Altura (m)	Alim. (m)	Alim. (m)	Cota (m)	Alim. (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)	Alim. (m)	Alim. (m)	Cota (m)	Ind. (%)
6.702	204.005	-0.386				6.150	203.373	4.00	1777+0.000						-4.00	6.150	203.881	-4.00		6.730	203.694	-0.387	
6.724	203.901	-0.388				6.150	204.284	4.00	1777+5.377						-4.00	6.150	203.792	-4.00		6.678	203.440	-0.352	
6.685	203.771	-0.357				6.150	204.128	3.04	1777+11.156	PCV					-3.04	6.150	203.754	-3.04		6.725	203.371	-0.383	
6.684	203.766	-0.356				6.150	204.122	3.04	1777+11.377						-3.00	6.150	203.753	-3.00		6.727	203.368	-0.385	
6.614	203.578	-0.310				6.150	203.888	1.56	1778+0.000						-3.00	6.150	203.607	-3.00		6.670	203.261	-0.346	
6.548	203.365	-0.265				6.150	203.630	0.00	1778+9.377						-3.00	6.150	203.446	-3.00		6.498	203.214	-0.232	
6.338	203.209	-0.126				6.150	203.334	4.77	1779+0.000						-3.00	6.150	203.259	-3.00		6.421	203.078	-0.181	
6.202	203.091	-0.035				6.150	203.126	3.00	1779+7.377						-3.00	6.150	203.126	-3.00		6.359	202.987	-0.139	
6.196	202.940	0.046				6.150	202.894	-3.00	1780+0.000						-3.00	6.150	202.894	-3.00		6.381	202.740	-0.154	
6.172	202.536	0.022				6.150	202.514	-3.00	1781+0.000						-3.00	6.150	202.514	-3.00		6.220	202.467	-0.047	
6.545	201.855	-0.269				6.150	202.118	-3.00	1782+0.000						-3.00	6.150	202.118	-3.00		6.197	202.087	-0.031	
6.345	201.879	-0.130				6.150	202.009	-3.00	1782+5.377	ST					-3.00	6.150	202.009	-3.00		6.236	201.952	-0.057	
6.490	201.480	-0.226				6.150	201.796	-3.00	1783+0.000						-3.00	6.150	201.796	-3.00		6.157	201.702	-0.004	
6.576	200.995	-0.284				6.150	201.279	-3.00	1784+0.000						-3.00	6.150	201.279	-3.00		6.164	201.293	0.014	
6.247	200.771	-0.065				6.150	200.836	-3.00	1785+0.000						-3.00	6.150	200.836	-3.00		6.189	200.675	0.039	
6.280	200.291	-0.086				6.150	200.377	-3.00	1786+0.000						-3.00	6.150	200.377	-3.00		6.323	200.550	0.173	
6.632	199.581	-0.322				6.150	199.903	-3.00	1787+0.000						-3.00	6.150	199.903	-3.00		6.389	200.122	0.219	
6.521	199.165	-0.240				6.150	199.412	-3.00	1788+0.000						-3.00	6.150	199.412	-3.00		6.304	199.567	0.155	
6.486	198.682	-0.224				6.150	198.906	-3.00	1789+0.000						-3.00	6.150	198.906	-3.00		6.484	199.241	0.335	
6.214	198.342	-0.048				6.150	198.385	-3.00	1790+0.000						-3.00	6.150	198.385	-3.00		6.366	198.601	0.216	
6.240	197.937	0.090				6.150	197.847	-3.00	1791+0.000						-3.00	6.150	197.847	-3.00		6.555	198.252	0.405	
6.235	197.237	-0.057				6.150	197.294	-3.00	1792+0.000						-3.00	6.150	197.294	-3.00		6.492	197.575	0.281	
6.339	196.853	-0.125				6.150	196.978	-3.00	1792+11.156	PTV					-3.00	6.150	196.978	-3.00		6.220	196.932	-0.046	
6.206	196.689	-0.037				6.150	196.726	-3.00	1793+0.000						-3.00	6.150	196.726	-3.00		6.229	196.805	0.079	
6.632	196.638	0.481				6.150	196.157	-3.00	1794+0.000						-3.00	6.150	196.157	-3.00		6.196	196.126	-0.031	
6.305	195.483	-0.104				6.150	195.587	-3.00	1795+0.000						-3.00	6.150	195.587	-3.00		6.256	195.692	0.105	
6.703	195.569	0.552				6.150	195.017	-3.00	1796+0.000						-3.00	6.150	195.017	-3.00		6.560	195.427	0.410	
6.422	194.728	0.273				6.150	194.455	-3.00	1796+19.765	PCV					-3.00	6.150	194.455	-3.00		6.325	194.338	-0.117	
6.411	194.708	0.261				6.150	194.447	-3.00	1797+0.000						-3.00	6.150	194.447	-3.00		6.302	194.345	-0.102	
6.203	193.837	-0.035				6.150	193.872	-3.00	1798+0.000						-3.00	6.150	193.872	-3.00		6.618	193.560	-0.312	
6.465	193.077	-0.210				6.150	193.287	-3.00	1799+0.000						-3.00	6.150	193.287	-3.00		6.321	193.368	0.081	
6.422	192.964	0.272				6.150	192.692	-3.00	1800+0.000						-3.00	6.150	192.692	-3.00		6.698	192.327	-0.365	
6.193	192.058	-0.029				6.150	192.087	-3.00	1801+0.000						-3.00	6.150	192.087	-3.00		6.622	191.772	-0.315	
6.160	191.465	-0.006				6.150	191.471	-3.00	1802+0.000						-3.00	6.150	191.471	-3.00		6.380	191.318	-0.153	
6.249	190.780	-0.066				6.150	190.846	-3.00	1803+0.000						-3.00	6.150	190.846	-3.00		7.261	190.105	-0.741	
6.856	189.740	-0.471				6.150	190.211	-3.00	1804+0.000						-3.00	6.150	190.211	-3.00		6.217	190.166	-0.045	
7.042	188.970	-0.595				6.150	189.565	-3.00	1805+0.000						-3.00	6.150	189.565	-3.00		6.729	189.512	-0.053	
7.461	188.169	-0.741				6.150	188.910	-3.00	1806+0.000						-3.00	6.150	188.910	-3.00		6.499	188.677	-0.231	



Nota de Serviço de Terraplenagem																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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SINFRACAP202623504A

Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direto									
Eixo										Eixo									
Offet		Banqueta		Bordo		Estaca		Pontos		Cota		Cota		Bordo		Banqueta		Offet	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.764	180.519	-0.410		6.150	180.929	-3.00	183.9+0.000			181.114	180.511	0.603	6.150	180.929	-3.00		6.892	180.435	-0.494
6.674	180.433	-0.349		6.150	180.782	-3.00	184.0+0.000			180.967	180.339	0.608	6.150	180.782	-3.00		6.603	180.474	-0.308
6.659	180.241	-0.339		6.150	180.580	-3.00	184.1+0.000			180.765	180.115	0.650	6.150	180.580	-3.00		6.729	180.194	-0.386
6.426	180.138	-0.184		6.150	180.322	-3.00	184.2+0.000			180.506	179.783	0.723	6.150	180.322	-3.00		6.746	179.925	-0.397
6.320	179.895	-0.113		6.150	180.008	-3.00	184.3+0.000			180.199	179.436	0.757	6.150	180.008	-3.00		6.604	179.705	-0.303
6.328	179.520	-0.119		6.150	179.639	-3.00	184.4+0.000			179.823	179.060	0.763	6.150	179.639	-3.00		6.883	179.284	-0.355
6.370	179.249	-0.146		6.150	179.395	-3.00	184.4+11.772		PTV	179.380	178.848	0.732	6.150	179.395	-3.00		6.254	179.126	-0.069
6.370	179.072	-0.146		6.150	179.218	-3.00	184.5+0.000			179.403	178.704	0.699	6.150	179.218	-3.00		6.206	179.181	-0.037
6.284	178.699	-0.089		6.150	178.788	-3.00	184.6+0.000			178.979	178.402	0.571	6.150	178.788	-3.00		6.213	178.746	-0.042
6.403	178.190	-0.168		6.150	178.358	-3.00	184.7+0.000			178.543	178.156	0.387	6.150	178.358	-3.00		6.216	178.424	0.006
6.731	177.541	-0.387		6.150	177.938	-3.00	184.8+0.000			178.113	177.798	0.315	6.150	177.938	-3.00		6.382	177.840	-0.088
6.450	177.299	-0.189		6.150	177.498	-3.00	184.9+0.000			177.683	177.251	0.432	6.150	177.498	-3.00		6.411	177.324	-0.174
6.275	177.193	0.125		6.150	177.068	-3.00	185.0+0.000			177.253	176.842	0.411	6.150	177.068	-3.00		6.200	177.118	0.090
6.191	176.679	0.041		6.150	176.638	-3.00	185.1+0.000						6.150	176.638	-3.00		6.164	176.652	0.014
6.185	176.642	0.033		6.150	176.607	-3.00	185.1+1.411		PCV	176.792	176.614	0.178	6.150	176.607	-3.00		6.178	176.635	0.028
6.271	176.119	-0.088		6.150	176.200	-3.00	185.2+0.000			176.384	175.741	0.643	6.150	176.200	-3.00		6.344	176.070	-0.130
6.432	175.555	-0.188		6.150	175.743	-3.00	185.3+0.000			175.928	175.259	0.669	6.150	175.743	-3.00		6.159	175.752	0.009
6.258	175.195	-0.072		6.150	175.267	-3.00	185.4+0.000			175.492	174.861	0.591	6.150	175.267	-3.00		6.382	175.013	-0.254
6.417	174.595	-0.178		6.150	174.773	-3.00	185.5+0.000			174.958	174.482	0.476	6.150	174.773	-3.00		6.568	174.694	-0.279
6.150	174.260	0.000		6.150	174.260	-3.00	185.6+0.000			174.444	173.832	0.612	6.150	174.260	-3.00		6.308	174.311	0.051
6.334	173.605	-0.123		6.150	173.728	-3.00	185.7+0.000			173.912	173.121	0.791	6.150	173.728	-3.00		6.346	173.997	-0.131
6.214	173.134	-0.048		6.150	173.177	-3.00	185.8+0.000			173.362	172.539	0.823	6.150	173.177	-3.00		6.301	173.077	-0.100
6.391	172.447	-0.161		6.150	172.608	-3.00	185.9+0.000			172.792	172.220	0.572	6.150	172.608	-3.00		6.722	172.226	-0.382
6.400	172.399	-0.167		6.150	172.566	-3.00	185.9+1.411		PTV	172.790	172.195	0.595	6.150	172.566	-3.00		6.304	172.463	-0.103
6.449	171.828	-0.199		6.150	172.027	-3.00	186.0+0.000			172.212	171.767	0.445	6.150	172.027	-3.00		6.257	171.956	-0.071
6.932	170.916	-0.521		6.150	171.447	-3.00	186.1+0.000			171.632	171.245	0.387	6.150	171.447	-3.00		6.704	171.078	-0.369
6.955	170.380	-0.537		6.150	170.867	-3.00	186.2+0.000			171.051	170.648	0.403	6.150	170.867	-3.00		6.888	171.304	0.437
6.935	169.763	-0.524		6.150	170.287	-3.00	186.3+0.000			170.471	169.999	0.472	6.150	170.287	-3.00		6.327	170.188	-0.119
6.876	169.222	-0.484		6.150	169.706	-3.00	186.4+0.000			169.891	169.289	0.602	6.150	169.706	-3.00		6.756	169.302	-0.461
6.281	169.257	0.131		6.150	169.126	-3.00	186.5+0.000			169.311	168.659	0.652	6.150	169.126	-3.00		6.346	169.322	0.196
6.377	169.306	0.227		6.150	169.079	-3.00	186.5+1.425		PCV	169.369	168.608	0.655	6.150	169.079	-3.00		6.400	169.239	0.230
6.244	168.664	0.094		6.150	168.570	-3.00	186.6+0.000			168.755	168.162	0.593	6.150	168.570	-3.00		6.180	168.600	0.030
6.370	167.959	-0.147		6.150	168.106	-3.00	186.6+18.568		PC	168.290	167.697	0.593	6.150	168.106	-3.00		6.921	167.992	-0.514
6.368	167.927	-0.146		6.150	168.072	-3.00	186.7+0.000			168.257	167.668	0.589	6.150	168.072	-3.00		6.921	167.958	-0.514
6.528	167.380	-0.252		6.150	167.632	-3.00	186.8+0.000			167.616	167.235	0.381	6.150	167.632	-3.00		6.803	167.197	-0.433
7.194	166.554	-0.696		6.150	167.249	-3.00	186.9+0.000			167.434	166.707	0.727	6.150	167.249	-3.00		6.956	166.712	-0.537
7.647	165.927	-0.998		6.150	166.925	-3.00	187.0+0.000			167.109	166.400	0.709	6.150	166.925	-3.00		7.082	166.304	-0.621
7.874	165.652	-1.146		6.150	166.801	-3.00	187.0+4.748			166.986	166.318	0.668	6.150	166.801	-3.00		7.178	166.116	-0.685



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Cota Vermelha		Pontos Horizontal		Pontos Vertical		Estatos		Bordo		Cota		Banqueta	
Alim. (m)	Altura (m)	Alim. (m)	Altura (m)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Ind. (%)	Alim. (m)	Altura (m)
7.698	365.626	-1.032		6.150	166.658	-3.00	1871+0.000			166.643	166.159	0.884	6.150	166.658	-3.00	6.150	166.658	-3.00	163.878
7.503	365.547	-0.903		6.150	166.450	-3.00	1872+0.000			166.634	166.025	0.809	6.150	166.450	-3.00	6.150	166.450	-3.00	163.795
7.801	365.198	-1.101		6.150	166.299	-3.00	1873+0.000			166.648	165.893	0.590	6.150	166.299	-3.00	6.150	166.299	-3.00	163.403
7.851	365.155	-1.134		6.150	166.289	-3.00	1873+1.625		PTV	166.674	165.882	0.592	6.150	166.289	-3.00	6.150	166.289	-3.00	163.389
8.406	364.684	-1.504		6.150	166.188	-3.00	1873+18.929		PT	166.372	165.756	0.616	6.150	166.188	-3.00	6.150	166.188	-3.00	163.225
8.429	364.662	-1.519		6.150	166.181	-3.00	1874+0.000			166.366	165.748	0.618	6.150	166.181	-3.00	6.150	166.181	-3.00	163.249
8.682	364.414	-1.688		6.150	166.102	-3.00	1874+11.505		PCV	166.287	165.637	0.650	6.150	166.102	-3.00	6.150	166.102	-3.00	163.428
8.779	364.314	-1.793		6.150	166.067	-3.00	1875+0.000			166.251	165.583	0.668	6.150	166.067	-3.00	6.150	166.067	-3.00	163.342
8.611	364.349	-1.640		6.150	165.989	-3.00	1876+0.000			166.174	165.453	0.721	6.150	165.989	-3.00	6.150	165.989	-3.00	163.349
7.843	364.831	-1.129		6.150	165.960	-3.00	1877+0.000			166.144	165.284	0.860	6.150	165.960	-3.00	6.150	165.960	-3.00	164.073
7.950	364.739	-1.200		6.150	165.959	-3.00	1877+2.248			166.144	165.232	0.912	6.150	165.959	-3.00	6.150	165.959	-3.00	164.897
8.833	364.130	-1.788		6.150	165.978	-3.00	1878+0.000			166.163	165.102	1.061	6.150	165.978	-3.00	6.150	165.978	-3.00	164.307
9.936	363.521	-2.524		6.150	165.045	-3.00	1879+0.000			166.230	164.994	1.236	6.150	165.045	-3.00	6.150	165.045	-3.00	164.140
11.209	362.788	-3.372		6.150	166.160	-3.00	1880+0.000			166.344	165.112	1.232	6.150	166.160	-3.00	6.150	166.160	-3.00	162.711
11.870	362.451	-3.814		6.150	166.265	-3.00	1880+11.505		PTV	166.449	164.846	1.603	6.150	166.265	-3.00	6.150	166.265	-3.00	163.692
11.946	362.457	-3.868		6.150	166.320	-3.00	1881+0.000			166.505	164.727	1.778	6.150	166.320	-3.00	6.150	166.320	-3.00	164.146
11.762	362.651	-3.741		6.150	166.392	-3.00	1881+8.400		PCV	166.577	164.718	1.859	6.150	166.392	-3.00	6.150	166.392	-3.00	164.081
12.079	362.535	-3.953		6.150	166.488	-3.00	1882+0.000			166.673	164.692	1.981	6.150	166.488	-3.00	6.150	166.488	-3.00	163.879
10.095	364.006	-2.630		6.150	166.636	-3.00	1883+0.000			166.821	164.659	2.162	6.150	166.636	-3.00	6.150	166.636	-3.00	163.856
11.899	362.930	-3.833		6.150	166.763	-3.00	1884+0.000			166.947	164.880	2.067	6.150	166.763	-3.00	6.150	166.763	-3.00	164.272
13.080	362.262	-4.606		6.150	166.868	-3.00	1885+0.000			167.033	164.993	2.060	6.150	166.868	-3.00	6.150	166.868	-3.00	164.074
13.431	362.098	-4.854		6.150	166.952	-3.00	1886+0.000			167.137	165.016	2.121	6.150	166.952	-3.00	6.150	166.952	-3.00	164.011
13.686	361.991	-5.024		6.150	167.015	-3.00	1887+0.000			167.199	165.001	2.198	6.150	167.015	-3.00	6.150	167.015	-3.00	164.214
10.790	363.963	-3.098		6.150	167.056	-3.00	1888+0.000			167.240	164.885	2.355	6.150	167.056	-3.00	6.150	167.056	-3.00	164.493
11.251	363.675	-3.404		6.150	167.076	-3.00	1889+0.000			167.260	164.830	2.830	6.150	167.076	-3.00	6.150	167.076	-3.00	164.504
12.147	363.079	-3.999		6.150	167.078	-3.00	1889+8.400		PTV	167.262	164.370	2.892	6.150	167.078	-3.00	6.150	167.078	-3.00	164.349
13.380	362.258	-4.820		6.150	167.078	-3.00	1890+0.000			167.262	163.787	3.475	6.150	167.078	-3.00	6.150	167.078	-3.00	164.389
15.888	360.585	-6.493		6.150	167.078	-3.00	1890+18.400			167.262	164.594	2.668	6.150	167.078	-3.00	6.150	167.078	-3.00	161.309
PONTE SOBRE O CORREIO COELHO																			
12.822	362.630	-4.448		6.150	167.078	-3.00	1892+18.400			167.262	165.013	2.249	6.150	167.078	-3.00	6.150	167.078	-3.00	164.375
12.440	362.884	-4.194		6.150	167.078	-3.00	1893+0.000			167.262	164.907	2.355	6.150	167.078	-3.00	6.150	167.078	-3.00	164.437
12.364	362.935	-4.143		6.150	167.078	-3.00	1894+0.000			167.262	164.656	2.606	6.150	167.078	-3.00	6.150	167.078	-3.00	163.277
10.706	364.040	-3.038		6.150	167.078	-3.00	1894+8.400		PCV	167.262	165.180	2.082	6.150	167.078	-3.00	6.150	167.078	-3.00	165.497
8.155	365.757	-1.336		6.150	167.093	-3.00	1895+0.000			167.277	165.825	1.452	6.150	167.093	-3.00	6.150	167.093	-3.00	166.145
7.508	366.286	-0.905		6.150	167.191	-3.00	1895+8.400			167.376	166.293	1.083	6.150	167.191	-3.00	6.150	167.191	-3.00	166.480
6.854	366.912	-0.469		6.150	167.381	-3.00	1897+0.000			167.566	166.869	0.697	6.150	167.381	-3.00	6.150	167.381	-3.00	166.913
6.460	367.456	-0.206		6.150	167.662	-3.00	1898+0.000			167.847	167.494	0.353	6.150	167.662	-3.00	6.150	167.662	-3.00	167.332
6.374	367.885	-0.146		6.150	168.034	-3.00	1899+0.000			168.219	167.973	0.346	6.150	168.034	-3.00	6.150	168.034	-3.00	167.739



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Cota Vermelha		Pontos Verticais		Pontos Horizontais		Estaca		Bordo		Cota		Banqueta	
Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)	Altura (m)	Cota (m)
6.160	168.211	-0.007		6.150	168.218	-3.00	168.02	168.148	0.254	PTV		1889+8.400		6.150	168.218	-3.00	168.02	168.148	0.254
6.260	168.409	-0.074		6.150	168.483	-3.00	1900+0.000		168.667	168.434	0.213	1900+0.000		6.150	168.483	-3.00	1900+0.000	168.667	168.434
6.214	169.003	0.064		6.150	168.939	-3.00	1901+0.000		169.123	168.928	0.195	1901+0.000		6.150	168.939	-3.00	1901+0.000	169.123	168.928
6.486	169.731	0.336		6.150	169.395	-3.00	1902+0.000		169.379	169.329	0.250	1902+0.000		6.150	169.395	-3.00	1902+0.000	169.379	169.329
6.157	169.858	0.007		6.150	169.851	-3.00	1903+0.000		170.036	169.667	0.369	1903+0.000		6.150	169.851	-3.00	1903+0.000	170.036	169.667
6.185	170.284	-0.023		6.150	170.307	-3.00	1904+0.000		170.492	170.107	0.385	1904+0.000		6.150	170.307	-3.00	1904+0.000	170.492	170.107
6.203	170.816	0.053		6.150	170.763	-3.00	1905+0.000		170.948	170.699	0.249	1905+0.000		6.150	170.763	-3.00	1905+0.000	170.948	170.699
6.190	170.835	0.040		6.150	170.795	-3.00	1905+1.396	PC	170.980	170.744	0.236	1905+1.396		6.150	170.795	-3.00	1905+1.396	170.980	170.744
6.298	171.121	-0.099		6.150	171.220	-3.00	1906+0.000		171.404	171.091	0.313	1906+0.000		6.150	171.220	-3.00	1906+0.000	171.404	171.091
6.191	171.717	0.041		6.150	171.676	-3.00	1907+0.000		171.860	171.512	0.348	1907+0.000		6.150	171.676	-3.00	1907+0.000	171.860	171.512
6.369	171.986	-0.146		6.150	171.232	-3.00	1908+0.000		172.316	171.991	0.385	1908+0.000		6.150	171.232	-3.00	1908+0.000	172.316	171.991
6.463	172.217	-0.209		6.150	172.426	-3.00	1908+12.884		172.630	172.112	0.498	1908+12.884		6.150	172.426	-3.00	1908+12.884	172.630	172.112
6.902	172.087	-0.501		6.150	172.588	-3.00	1909+0.000		172.773	172.247	0.526	1909+0.000		6.150	172.588	-3.00	1909+0.000	172.773	172.247
7.188	172.352	-0.662		6.150	173.044	-3.00	1910+0.000		173.229	172.683	0.546	1910+0.000		6.150	173.044	-3.00	1910+0.000	173.229	172.683
7.203	172.798	-0.702		6.150	173.500	-3.00	1911+0.000		173.685	173.134	0.561	1911+0.000		6.150	173.500	-3.00	1911+0.000	173.685	173.134
7.203	172.799	-0.702		6.150	173.501	-3.00	1911+0.019	PCV	173.685	173.134	0.561	1911+0.019		6.150	173.501	-3.00	1911+0.019	173.685	173.134
6.204	173.844	-0.037		6.150	173.981	-3.00	1912+0.000		174.165	173.708	0.457	1912+0.000		6.150	173.981	-3.00	1912+0.000	174.165	173.708
6.202	174.058	-0.034		6.150	174.092	-3.00	1912+4.373	PT	174.277	173.821	0.456	1912+4.373		6.150	174.092	-3.00	1912+4.373	174.277	173.821
6.203	174.474	-0.035		6.150	174.509	-3.00	1913+0.000		174.694	174.240	0.454	1913+0.000		6.150	174.509	-3.00	1913+0.000	174.694	174.240
6.208	175.047	-0.089		6.150	175.086	-3.00	1914+0.000		175.270	174.764	0.506	1914+0.000		6.150	175.086	-3.00	1914+0.000	175.270	174.764
6.181	175.690	-0.021		6.150	175.711	-3.00	1915+0.000		175.885	175.369	0.526	1915+0.000		6.150	175.711	-3.00	1915+0.000	175.885	175.369
6.437	176.193	-0.192		6.150	176.384	-3.00	1916+0.000		176.568	176.093	0.475	1916+0.000		6.150	176.384	-3.00	1916+0.000	176.568	176.093
6.267	177.027	-0.076		6.150	177.105	-3.00	1917+0.000		177.289	176.951	0.338	1917+0.000		6.150	177.105	-3.00	1917+0.000	177.289	176.951
6.267	177.028	-0.077		6.150	177.105	-3.00	1917+0.019	PTV	177.290	176.952	0.338	1917+0.019		6.150	177.105	-3.00	1917+0.019	177.290	176.952
6.202	177.816	-0.034		6.150	177.850	-3.00	1918+0.000		178.035	177.790	0.285	1918+0.000		6.150	177.850	-3.00	1918+0.000	178.035	177.790
6.253	178.527	-0.068		6.150	178.595	-3.00	1919+0.000		178.780	178.484	0.296	1919+0.000		6.150	178.595	-3.00	1919+0.000	178.780	178.484
6.610	179.034	-0.307		6.150	179.341	-3.00	1920+0.000		179.525	179.135	0.390	1920+0.000		6.150	179.341	-3.00	1920+0.000	179.525	179.135
6.890	179.592	-0.494		6.150	180.086	-3.00	1921+0.000		180.271	179.713	0.558	1921+0.000		6.150	180.086	-3.00	1921+0.000	180.271	179.713
6.710	180.016	-0.373		6.150	180.389	-3.00	1921+4.132	PCV	180.574	179.999	0.575	1921+4.132		6.150	180.389	-3.00	1921+4.132	180.574	179.999
6.264	180.740	-0.076		6.150	180.816	-3.00	1922+0.000		181.000	180.416	0.584	1922+0.000		6.150	180.816	-3.00	1922+0.000	181.000	180.416
6.538	181.205	-0.239		6.150	181.464	-3.00	1923+0.000		181.648	181.097	0.591	1923+0.000		6.150	181.464	-3.00	1923+0.000	181.648	181.097
6.584	181.734	-0.289		6.150	182.023	-3.00	1924+0.000		182.207	181.721	0.486	1924+0.000		6.150	182.023	-3.00	1924+0.000	182.207	181.721
6.470	182.280	-0.213		6.150	182.493	-3.00	1925+0.000		182.678	182.207	0.391	1925+0.000		6.150	182.493	-3.00	1925+0.000	182.678	182.207
6.150	182.875	0.000		6.150	182.875	-3.00	1926+0.000		183.099	182.775	0.284	1926+0.000		6.150	182.875	-3.00	1926+0.000	183.099	182.775
6.236	183.110	-0.057		6.150	183.167	-3.00	1927+0.000		183.351	183.096	0.255	1927+0.000		6.150	183.167	-3.00	1927+0.000	183.351	183.096
6.198	183.339	-0.031		6.150	183.370	-3.00	1928+0.000		183.555	183.244	0.311	1928+0.000		6.150	183.370	-3.00	1928+0.000	183.555	183.244
6.245	183.422	-0.063		6.150	183.485	-3.00	1929+0.000		183.669	183.236	0.433	1929+0.000		6.150	183.485	-3.00	1929+0.000	183.669	183.236
6.504	183.277	-0.286		6.150	183.513	-3.00	1929+15.761		183.697	183.332	0.365	1929+15.761		6.150	183.513	-3.00	1929+15.761	183.697	183.332



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Ofset		Alarg. (m)		Altura (m)		Alarg. (m)		Inc. (%)		Estaca		Pontos Notáveis Horizontal		Pontos Notáveis Vertical		Cota Proprio		Cota Termin		Cota Vermeilha		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)		Cota (m)		Alarg. (m)		Inc. (%)		Alarg. (m)</	

Nota de Serviço de Terraplenagem																				
Lado Esquerdo										Lado Direito										
Banqueta										Banqueta										
Offset		Banqueta		Bordo		Estaca		Pontos Notáveis		Cota Terreno		Cota Vermelha		Bordo		Banqueta		Offset		
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	
6.589	177.923	-0.290		6.150	178.216	3.00	1966+0.000			178.400	177.637	0.763	6.150	178.216	-3.00			6.361	178.142	-0.074
6.610	177.712	-0.306		6.150	178.018	3.00	1967+0.000			178.208	177.453	0.750	6.150	178.018	-3.00			6.399	177.932	-0.106
6.370	177.667	-0.147		6.150	177.814	3.00	1968+0.000			177.999	177.333	0.666	6.150	177.814	-3.00			6.277	177.730	-0.084
6.681	177.250	-0.334		6.150	177.604	3.00	1969+0.000			177.789	177.068	0.721	6.150	177.604	-3.00			6.310	177.497	-0.107
6.604	177.085	-0.309		6.150	177.388	3.00	1970+0.000			177.572	176.906	0.666	6.150	177.388	-3.00			6.342	177.259	-0.129
6.315	177.055	-0.110		6.150	177.165	3.00	1971+0.000			177.349	176.855	0.494	6.150	177.165	-3.00			6.173	177.188	0.023
6.547	176.671	-0.266		6.150	176.936	3.00	1972+0.000			177.120	176.501	0.619	6.150	176.936	-3.00			6.167	176.924	-0.012
6.502	176.465	-0.235		6.150	176.700	3.00	1973+0.000			176.885	176.375	0.510	6.150	176.700	-3.00			6.348	176.799	0.099
6.601	176.158	-0.301		6.150	176.459	3.00	1974+0.000			176.643	176.140	0.503	6.150	176.459	-3.00			6.366	176.574	0.115
6.203	176.175	-0.086		6.150	176.211	3.00	1975+0.000			176.395	175.946	0.449	6.150	176.211	-3.00			6.203	176.264	0.053
6.416	175.779	-0.177		6.150	175.956	3.00	1976+0.000			176.141	175.750	0.391	6.150	175.956	-3.00			6.383	176.089	0.133
6.435	175.506	-0.130		6.150	175.696	3.00	1977+0.000			175.880	175.488	0.392	6.150	175.696	-3.00			6.401	175.976	0.200
6.165	175.444	0.015		6.150	175.429	3.00	1978+0.000			175.613	175.217	0.396	6.150	175.429	-3.00			6.410	175.688	0.259
6.159	175.435	0.009		6.150	175.426	3.00	1978+0.202		PTV	175.610	175.214	0.396	6.150	175.426	-3.00			6.410	175.686	0.260
6.732	174.770	-0.389		6.150	175.159	3.00	1979+0.000			175.340	174.938	0.405	6.150	175.159	-3.00			6.325	175.333	0.174
6.561	174.615	-0.278		6.150	174.888	3.00	1980+0.000			175.073	174.530	0.543	6.150	174.888	-3.00			6.383	175.121	0.233
6.944	174.089	-0.529		6.150	174.618	3.00	1981+0.000			174.803	174.220	0.583	6.150	174.618	-3.00			6.359	174.827	0.209
6.941	173.820	-0.528		6.150	174.348	3.00	1982+0.000			174.532	173.996	0.536	6.150	174.348	-3.00			6.362	174.560	0.212
6.240	174.018	-0.060		6.150	174.078	3.00	1983+0.000			174.262	173.747	0.515	6.150	174.078	-3.00			6.283	174.221	0.148
6.334	173.685	-0.123		6.150	173.808	3.00	1984+0.000			173.992	173.571	0.421	6.150	173.808	-3.00			6.352	174.009	0.201
6.859	173.065	-0.472		6.150	173.537	3.00	1985+0.000			173.722	173.403	0.319	6.150	173.537	-3.00			6.371	173.759	0.222
6.801	172.833	-0.434		6.150	173.267	3.00	1986+0.000			173.452	172.901	0.551	6.150	173.267	-3.00			6.378	173.495	0.228
7.161	172.323	-0.674		6.150	172.997	3.00	1987+0.000			173.182	172.573	0.609	6.150	172.997	-3.00			6.284	173.131	0.134
6.940	172.560	-0.167		6.150	172.727	3.00	1988+0.000			172.911	172.385	0.526	6.150	172.727	-3.00			6.413	172.990	0.263
6.832	172.002	-0.456		6.150	172.457	3.00	1989+0.000			172.641	172.042	0.599	6.150	172.457	-3.00			6.298	172.605	0.146
6.794	171.757	-0.430		6.150	172.187	3.00	1990+0.000			172.371	171.647	0.724	6.150	172.187	-3.00			6.270	172.307	0.120
6.901	171.416	-0.500		6.150	171.916	3.00	1991+0.000			172.101	171.316	0.785	6.150	171.916	-3.00			6.313	172.080	0.164
6.548	171.381	-0.265		6.150	171.646	3.00	1992+0.000			171.831	171.105	0.726	6.150	171.646	-3.00			6.296	171.792	0.146
6.829	170.923	-0.453		6.150	171.376	3.00	1993+0.000			171.560	171.014	0.546	6.150	171.376	-3.00			6.317	171.543	0.167
6.571	170.825	-0.281		6.150	171.106	3.00	1994+0.000			171.290	170.845	0.445	6.150	171.106	-3.00			6.318	171.273	0.167
6.327	170.717	-0.119		6.150	170.836	3.00	1995+0.000			171.020	170.609	0.411	6.150	170.836	-3.00			6.314	171.000	0.164
6.848	170.100	-0.465		6.150	170.565	3.00	1996+0.000			170.750	170.376	0.374	6.150	170.565	-3.00			6.265	170.681	0.116
6.886	169.805	-0.480		6.150	170.295	3.00	1997+0.000			170.480	169.963	0.517	6.150	170.295	-3.00			6.187	170.332	0.037
6.813	169.583	-0.442		6.150	170.025	3.00	1998+0.000			170.210	169.766	0.444	6.150	170.025	-3.00			6.257	170.132	0.107
6.746	169.558	-0.397		6.150	169.755	3.00	1999+0.000			169.939	169.523	0.416	6.150	169.755	-3.00			6.311	169.916	0.161
6.698	169.119	-0.366		6.150	169.485	3.00	2000+0.000			169.669	169.183	0.486	6.150	169.485	-3.00			6.380	169.515	0.090
6.570	168.934	-0.280		6.150	169.214	3.00	2001+0.000			169.399	168.934	0.465	6.150	169.214	-3.00			6.381	169.446	0.232
6.577	168.660	-0.286		6.150	168.944	3.00	2002+0.000			169.129	168.629	0.500	6.150	168.944	-3.00			6.372	169.166	0.220



HASH: 76c1a2a1010d8eb12da5c669e1200c91db3319821d87250c509d90bf47e. Documento assinado digitalmente, válido em <https://aquissos.esplag.mt.gov.br/flowbee-pub/#/validar/P2EX-T1ZY-WUMN-HB79>. Assinado por: HELIO MARQUES DE ARRUDA em 03/02/2025; HELIO MARQUES DE ARRUDA em 03/02/2025; RAFAEL DEL GROSSI SOARES em 03/02/2025; LUANA DOS SANTOS VIANA em 03/02/2025; Junaido em 25/02/2026 15:31:21 por AMANDA ARAUJO.



SINFRACAP202623504A

Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo										Lado Direito									
Offset		Banqueta		Bordo		Pontos		Estaca		Bordo		Pontos		Estaca		Bordo		Pontos	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
6.754	168.272	-0.402		6.150	168.674	-3.00	2009+0.000		168.559	168.295	0.564	6.150	168.674	-3.00	2009+0.000		168.559	168.295	0.564
6.641	168.077	-0.327		6.150	168.404	-3.00	2004+0.000		168.388	167.998	0.590	6.150	168.404	-3.00	2004+0.000		168.388	167.998	0.590
6.762	167.726	-0.408		6.150	168.134	-3.00	2005+0.000		168.318	167.779	0.539	6.150	168.134	-3.00	2005+0.000		168.318	167.779	0.539
6.233	167.808	-0.056		6.150	167.864	-3.00	2006+0.000		168.048	167.387	0.661	6.150	167.864	-3.00	2006+0.000		168.048	167.387	0.661
6.664	167.250	-0.348		6.150	167.593	-3.00	2007+0.000		167.778	167.186	0.582	6.150	167.593	-3.00	2007+0.000		167.778	167.186	0.582
6.374	167.174	-0.149		6.150	167.333	-3.00	2008+0.000		167.508	166.983	0.525	6.150	167.333	-3.00	2008+0.000		167.508	166.983	0.525
6.761	166.646	-0.407		6.150	167.053	-3.00	2009+0.000		167.238	166.711	0.527	6.150	167.053	-3.00	2009+0.000		167.238	166.711	0.527
6.471	166.565	-0.215		6.150	166.780	-3.00	2010+0.000		166.964	166.453	0.511	6.150	166.780	-3.00	2010+0.000		166.964	166.453	0.511
6.341	166.373	-0.127		6.150	166.500	-3.00	2011+0.000		166.686	166.200	0.485	6.150	166.500	-3.00	2011+0.000		166.686	166.200	0.485
6.455	166.011	-0.208		6.150	166.214	-3.00	2012+0.000		166.399	165.910	0.489	6.150	166.214	-3.00	2012+0.000		166.399	165.910	0.489
6.517	165.677	-0.245		6.150	165.922	-3.00	2013+0.000		166.106	165.729	0.377	6.150	165.922	-3.00	2013+0.000		166.106	165.729	0.377
6.632	165.105	0.482		6.150	165.623	-3.00	2014+0.000		165.808	165.493	0.315	6.150	165.623	-3.00	2014+0.000		165.808	165.493	0.315
6.189	165.946	-0.026		6.150	165.372	-3.00	2014+16.492	TS	165.557	165.295	0.262	6.150	165.372	-3.00	2014+16.492	TS	165.557	165.295	0.262
6.315	165.208	-0.110		6.150	165.118	-3.00	2015+0.000		165.509	165.249	0.254	6.150	165.118	-3.00	2015+0.000		165.509	165.249	0.254
6.361	165.398	0.211		6.150	165.187	-3.00	2015+6.492		165.371	165.182	0.189	6.150	165.187	-3.00	2015+6.492		165.371	165.182	0.189
6.769	165.744	0.619		6.150	165.125	-1.08	2016+0.000		165.191	165.076	0.115	6.150	165.125	-1.08	2016+0.000		165.191	165.076	0.115
6.671	164.742	-0.347		6.150	165.089	0.00	2016+6.492		165.089	164.972	0.117	6.150	165.089	0.00	2016+6.492		165.089	164.972	0.117
7.228	164.293	-0.719		6.150	165.012	2.25	2017+0.000		164.874	164.464	0.410	6.150	165.012	2.25	2017+0.000		164.874	164.464	0.410
7.149	164.320	-0.666		6.150	164.986	3.00	2017+4.492		164.802	164.271	0.531	6.150	164.986	3.00	2017+4.492		164.802	164.271	0.531
7.881	163.793	-1.154		6.150	164.917	5.00	2017+16.492	SC	164.609	163.782	0.827	6.150	164.917	5.00	2017+16.492	SC	164.609	163.782	0.827
7.865	163.717	-1.143		6.150	164.860	5.00	2018+0.000		164.533	163.704	0.849	6.150	164.860	5.00	2018+0.000		164.533	163.704	0.849
7.903	163.371	-1.169		6.150	164.540	5.00	2019+0.000		164.322	163.249	0.983	6.150	164.540	5.00	2019+0.000		164.322	163.249	0.983
7.712	163.177	-1.042		6.150	164.219	5.00	2020+0.000		163.911	162.913	0.998	6.150	164.219	5.00	2020+0.000		163.911	162.913	0.998
7.835	162.774	-1.124		6.150	163.898	5.00	2021+0.000		163.590	162.599	0.991	6.150	163.898	5.00	2021+0.000		163.590	162.599	0.991
7.715	162.645	-1.044		6.150	163.689	5.00	2021+13.059		163.381	162.415	0.966	6.150	163.689	5.00	2021+13.059		163.381	162.415	0.966
7.644	162.581	-0.996		6.150	163.577	5.00	2022+0.000		163.270	162.425	0.845	6.150	163.577	5.00	2022+0.000		163.270	162.425	0.845
7.790	162.183	-1.098		6.150	163.256	5.00	2023+0.000		162.949	161.883	1.066	6.150	163.256	5.00	2023+0.000		162.949	161.883	1.066
8.390	161.442	-1.494		6.150	162.936	5.00	2024+0.000		162.628	161.288	1.360	6.150	162.936	5.00	2024+0.000		162.628	161.288	1.360
8.690	161.105	-1.698		6.150	162.798	5.00	2024+8.550		162.491	161.070	1.421	6.150	162.798	5.00	2024+8.550		162.491	161.070	1.421
9.140	160.632	-1.998		6.150	162.625	5.00	2025+0.000		162.318	160.685	1.633	6.150	162.625	5.00	2025+0.000		162.318	160.685	1.633
9.188	160.071	-2.025		6.150	162.496	5.00	2025+9.627	CS	162.189	160.590	1.599	6.150	162.496	5.00	2025+9.627	CS	162.189	160.590	1.599
9.247	160.203	-2.064		6.150	162.267	3.27	2026+0.000		162.066	160.315	1.751	6.150	162.267	3.27	2026+0.000		162.066	160.315	1.751
9.254	160.164	-2.099		6.150	162.233	3.00	2026+1.627		162.048	160.272	1.776	6.150	162.233	3.00	2026+1.627		162.048	160.272	1.776
9.327	159.763	-2.118		6.150	161.881	0.00	2026+19.627		161.881	159.711	2.170	6.150	161.881	0.00	2026+19.627		161.881	159.711	2.170
9.334	159.751	-2.123		6.150	161.874	-0.06	2027+0.000		161.878	159.700	2.178	6.150	161.874	-0.06	2027+0.000		161.878	159.700	2.178
9.904	159.079	-2.502		6.150	161.581	-3.00	2027+17.627		161.766	159.188	2.578	6.150	161.581	-3.00	2027+17.627		161.766	159.188	2.578
9.978	159.018	-2.552		6.150	161.570	-3.00	2028+0.000		161.754	159.173	2.581	6.150	161.570	-3.00	2028+0.000		161.754	159.173	2.581
10.290	158.773	-2.760		6.150	161.533	-3.00	2028+9.627	ST	161.718	158.920	2.798	6.150	161.533	-3.00	2028+9.627	ST	161.718	158.920	2.798



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Nota de Serviço de Terraplenagem																							
Rodovia : MT-339/248												Eixo											
Lado Esquerdo						Lado Direito						Bordo						Banqueta					
Offset		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta		Bordo		Banqueta	
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)
7.067	165.543	-0.611																					
7.187	165.888	-0.691																					
7.024	166.102	-0.582																					
6.587	166.033	-0.291																					
6.727	167.360	-0.386																					
6.947	167.559	-0.532																					
7.035	167.578	-0.590																					
7.042	167.576	-0.596																					
6.910	167.718	-0.506																					
6.717	167.980	-0.378																					
6.722	168.055	-0.381																					
6.441	168.773	-0.188																					
6.513	169.254	-0.243																					
6.567	169.749	-0.278																					
6.505	170.320	-0.237																					
6.493	170.360	-0.229																					
6.269	170.991	-0.080																					
6.541	171.286	-0.261																					
6.304	171.884	-0.102																					
6.582	172.099	-0.288																					
6.171	172.737	-0.014																					
6.215	173.143	0.095																					
6.354	173.231	-0.136																					
6.186	173.594	-0.024																					
6.233	173.577	-0.056																					
6.163	173.841	-0.008																					
6.299	173.980	-0.100																					
6.383	174.155	-0.155																					
6.184	174.519	-0.022																					
6.337	174.959	0.187																					
6.319	174.889	-0.113																					
6.449	175.034	-0.189																					
7.067	174.852	-0.611																					
7.249	174.961	-0.738																					
7.026	175.319	-0.585																					
6.995	175.382	-0.568																					
7.114	175.541	-0.648																					
7.208	175.787	-0.706																					



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Nota de Serviço de Terraplenagem																			
Lado Esquerdo										Lado Direito									
Eixo										Eixo									
Offset		Banqueta		Bordo		Estaca		Pontos		Cota		Bordo		Banqueta		Offset			
Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)	Alim. (m)	Cota (m)		
6.580	176.564	-0.287		6.150	176.851	-3.00	2081+0.000		177.035	176.480	0.555	6.150	176.851	-3.00		6.716	176.433	-0.418	
6.857	176.786	-0.471		6.150	177.257	-3.00	2083+0.000		177.742	176.932	0.490	6.150	177.257	-3.00		6.895	176.968	-0.289	
6.910	177.207	-0.506		6.150	177.713	-3.00	2084+0.000		177.698	177.424	0.474	6.150	177.713	-3.00		6.855	177.636	-0.077	
6.583	177.029	-0.289		6.150	178.218	-3.00	2084+0.000		178.402	177.930	0.472	6.150	178.218	-3.00		6.290	178.125	-0.093	
6.521	178.524	-0.248		6.150	178.772	-3.00	2085+0.000		178.596	178.574	0.382	6.150	178.772	-3.00		6.861	178.765	-0.007	
6.188	179.350	-0.025		6.150	179.375	-3.00	2086+0.000		179.559	179.059	0.500	6.150	179.375	-3.00		6.382	179.507	0.132	
6.540	179.766	-0.261		6.150	180.027	-3.00	2087+0.000		180.111	179.745	0.466	6.150	180.027	-3.00		6.866	180.233	0.266	
6.318	180.895	0.167		6.150	180.728	-3.00	2088+0.000		180.912	180.578	0.334	6.150	180.728	-3.00		6.333	180.910	0.182	
6.186	181.513	0.035		6.150	181.478	-3.00	2089+0.000		181.602	181.398	0.304	6.150	181.478	-3.00		6.388	181.716	0.238	
6.760	182.887	0.610		6.150	182.277	-3.00	2090+0.000		182.461	182.244	0.217	6.150	182.277	-3.00		6.456	182.582	0.306	
6.362	182.983	-0.142		6.150	183.125	-3.00	2091+0.000		183.309	183.085	0.244	6.150	183.125	-3.00		6.558	183.533	0.408	
6.182	184.000	-0.022		6.150	184.022	-3.00	2092+0.000		184.206	183.879	0.327	6.150	184.022	-3.00		6.540	184.412	0.390	
6.598	185.328	0.448		6.150	184.880	-3.00	2092+18.186	PTV	185.065	184.732	0.333	6.150	184.880	-3.00		6.489	185.219	0.339	
6.545	185.382	0.394		6.150	184.968	-3.00	2093+0.000		185.152	184.813	0.339	6.150	184.968	-3.00		6.482	185.299	0.331	
6.236	185.877	-0.057		6.150	185.934	-3.00	2094+0.000		186.119	185.741	0.378	6.150	185.934	-3.00		6.371	186.155	0.221	
6.291	187.041	0.141		6.150	186.900	-3.00	2095+0.000		187.085	186.666	0.419	6.150	186.900	-3.00		6.567	187.218	0.418	
6.453	187.665	-0.202		6.150	187.867	-3.00	2096+0.000		188.051	187.537	0.514	6.150	187.867	-3.00		6.419	188.136	0.269	
6.465	188.623	-0.210		6.150	188.833	-3.00	2097+0.000		188.017	188.649	0.388	6.150	188.833	-3.00		6.528	188.211	0.378	
6.371	189.652	-0.147		6.150	189.799	-3.00	2098+0.000		189.384	189.319	0.665	6.150	189.799	-3.00		6.547	190.156	0.397	
6.497	190.534	-0.231		6.150	190.765	-3.00	2099+0.000		190.950	190.550	0.400	6.150	190.765	-3.00		6.777	191.393	0.628	
6.510	191.492	-0.240		6.150	191.732	-3.00	2100+0.000		191.516	191.378	0.538	6.150	191.732	-3.00		6.643	192.225	0.493	
6.212	192.760	0.062		6.150	192.698	-3.00	2101+0.000		192.882	192.317	0.565	6.150	192.698	-3.00		6.706	193.254	0.556	
6.162	192.982	0.012		6.150	192.970	-3.00	2101+5.640	PCV	193.155	192.901	0.254	6.150	192.970	-3.00		6.554	193.374	0.404	
6.244	193.719	0.094		6.150	193.645	-3.00	2102+0.000		193.830	193.557	0.273	6.150	193.645	-3.00		6.486	193.981	0.336	
6.553	194.924	0.402		6.150	194.522	-3.00	2103+0.000		194.706	194.482	0.224	6.150	194.522	-3.00		6.740	195.111	0.589	
6.304	195.222	-0.102		6.150	195.324	-3.00	2104+0.000		195.509	195.396	0.113	6.150	195.324	-3.00		6.631	195.605	0.481	
6.208	196.111	0.058		6.150	196.053	-3.00	2105+0.000		196.238	196.037	0.201	6.150	196.053	-3.00		6.217	196.009	-0.044	
6.284	196.843	0.134		6.150	196.709	-3.00	2106+0.000		196.893	196.564	0.329	6.150	196.709	-3.00		6.304	196.863	0.154	
6.543	197.028	-0.262		6.150	197.280	-3.00	2107+0.000		197.475	197.058	0.417	6.150	197.280	-3.00		6.266	197.213	-0.077	
6.574	197.515	-0.288		6.150	197.798	-3.00	2108+0.000		197.983	197.473	0.510	6.150	197.798	-3.00		6.897	197.300	-0.498	
6.538	197.980	-0.259		6.150	198.233	-3.00	2109+0.000		198.417	197.914	0.503	6.150	198.233	-3.00		7.035	197.666	-0.577	
6.171	198.579	-0.014		6.150	198.593	-3.00	2110+0.000		198.777	198.344	0.433	6.150	198.593	-3.00		6.752	198.192	-0.401	
6.791	198.452	-0.428		6.150	198.880	-3.00	2111+0.000		199.064	198.531	0.483	6.150	198.880	-3.00		6.911	198.372	-0.508	
6.679	199.740	-0.359		6.150	199.093	-3.00	2112+0.000		199.277	198.720	0.557	6.150	199.093	-3.00		6.830	198.653	-0.440	
6.546	198.668	-0.264		6.150	199.232	-3.00	2113+0.000		199.417	198.875	0.542	6.150	199.232	-3.00		6.535	198.975	-0.257	
7.003	198.729	-0.569		6.150	199.288	-3.00	2114+0.000		199.482	198.929	0.553	6.150	199.288	-3.00		6.451	199.230	-0.068	
7.191	198.609	-0.694		6.150	199.303	-3.00	2114+5.640	PTV	199.487	198.990	0.497	6.150	199.303	-3.00		6.336	199.389	0.086	
6.245	199.245	-0.064		6.150	199.309	-3.00	2115+0.000		199.498	199.100	0.393	6.150	199.309	-3.00		6.245	199.404	0.095	



Nota de Serviço de Terraplenagem

Rodovia : MT-339/248

Lado Esquerdo												Lado Direito											
Offet						Banqueta						Bordo						Banqueta					
Alast. (m)	Cota (m)	Altura (m)	Alast. (m)	Cota (m)	Altura (m)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Altura (m)
6.158	199.324	0.007				6.150	199.317	-3.00	2116+0.000			6.150	199.317	-3.00	6.150	199.317	-3.00				6.150	199.317	0.182
6.401	199.576	0.251				6.150	199.325	-3.00	2117+0.000			6.150	199.325	-3.00	6.150	199.325	-3.00				6.150	199.325	0.665
6.326	199.508	0.176				6.150	199.332	-3.00	2118+0.000			6.150	199.332	-3.00	6.150	199.332	-3.00				6.150	199.332	0.196
6.579	199.769	0.429				6.150	199.340	-3.00	2119+0.000			6.150	199.340	-3.00	6.150	199.340	-3.00				6.150	199.340	0.531
6.666	199.865	0.517				6.150	199.348	-3.00	2120+0.000			6.150	199.348	-3.00	6.150	199.348	-3.00				6.150	199.348	0.484
6.592	199.798	0.442				6.150	199.356	-3.00	2121+0.000			6.150	199.356	-3.00	6.150	199.356	-3.00				6.150	199.356	0.305
6.726	199.940	0.576				6.150	199.364	-3.00	2122+0.000			6.150	199.364	-3.00	6.150	199.364	-3.00				6.150	199.364	0.405
6.701	199.923	0.551				6.150	199.372	-3.00	2123+0.000			6.150	199.372	-3.00	6.150	199.372	-3.00				6.150	199.372	0.595
6.755	199.985	0.605				6.150	199.380	-3.00	2124+0.000			6.150	199.380	-3.00	6.150	199.380	-3.00				6.150	199.380	0.528
6.788	200.026	0.638				6.150	199.388	-3.00	2125+0.000			6.150	199.388	-3.00	6.150	199.388	-3.00				6.150	199.388	0.420
6.883	200.130	0.734				6.150	199.396	-3.00	2126+0.000			6.150	199.396	-3.00	6.150	199.396	-3.00				6.150	199.396	0.396
6.703	199.957	0.553				6.150	199.404	-3.00	2127+0.000			6.150	199.404	-3.00	6.150	199.404	-3.00				6.150	199.404	0.450
6.638	199.900	0.488				6.150	199.412	-3.00	2128+0.000			6.150	199.412	-3.00	6.150	199.412	-3.00				6.150	199.412	0.602
6.474	199.739	0.324				6.150	199.415	-3.00	2128+6.918			6.150	199.415	-3.00	6.150	199.415	-3.00				6.150	199.415	0.744
7.169	199.711	0.314				6.855	199.397	-3.00	2128+15.000			199.603	200.120	-0.517	7.512	199.377	-3.00				8.338	200.203	0.826
9.052	199.703	0.359				8.693	199.344	-3.00	2129+0.000			199.605	200.104	-0.499	9.882	199.305	-3.00				10.912	200.235	0.930
12.444	199.646	0.401				12.042	199.245	-3.00	2129+5.000			199.607	200.082	-0.475	14.287	199.178	-3.00				15.454	200.345	1.167
18.332	199.420	0.351				17.981	199.069	-3.00	2129+10.000			199.609	200.110	-0.501	22.898	199.520	-3.00				24.538	200.531	0.601

Sobrepõe com a MT-170 (alargamento de pista pavimentada)

Sobrepõe com a MT-170 (alargamento de pista pavimentada)



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Nota de Serviço de Terraplenagem																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Offset		Bordo Projetado		Bordo Interior Pavimento Existente		Eixo		Bordo Interior Pavimento Existente		Bordo Projetado		Bordo Interior Pavimento Existente		Bordo Projetado		Offset			
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
ACESSO ENTR. MT-339/248 / MT-170 (ALARGAMENTO DA PISTA PAVIMENTADA)																			
5,204	196,377	0,134	5,024	196,197	-3,00		0+0,000	3,500	196,708	-3,00		3,500	196,708	-3,00					
5,289	196,397	0,116	5,134	196,232	-3,00		0+9,971	3,500	196,975	-3,00		3,500	196,975	-3,00					
6,577	196,678	-0,099	6,567	196,685	-3,00		1+1,437	3,500	196,281	-3,00		3,500	196,281	-3,00					
6,683	196,697	-0,112	6,668	196,714	-3,00		2+1,188	3,500	196,809	-3,00		3,500	196,777	-3,00	5,682	196,712	-3,00	5,854	196,684
6,240	197,074	-0,226	6,109	197,162	-3,00		3+0,000	3,500	197,300	-3,00		3,500	197,300	-3,00	7,224	197,188	-3,00	7,492	197,156
9,717	197,677	-0,118	9,650	197,610	-3,00		3+19,971	3,500	197,795	-3,00		3,500	197,795	-3,00	8,765	197,637	-3,00	9,247	198,119
9,717	197,678	-0,118	9,650	197,611	-3,00		4+0,000	3,500	197,796	-3,00		3,500	197,796	-3,00	8,767	197,638	-3,00	9,250	198,120
9,998	198,231	0,164	9,650	197,883	-3,00		4+11,442	3,500	198,067	-3,00		3,500	198,067	-3,00	9,650	197,883	-3,00	10,182	198,414
9,666	198,096	-0,168	9,650	198,080	-3,00		5+0,000	3,500	198,264	-3,00		3,500	198,264	-3,00	9,650	198,080	-3,00	10,145	198,575
9,842	198,394	-0,312	9,650	198,522	-3,00		6+0,000	3,500	198,706	-3,00		3,500	198,706	-3,00	9,650	198,522	-3,00	9,964	198,836
9,725	198,838	-0,109	9,650	198,763	-3,00		6+11,471	3,500	198,947	-3,00		3,500	198,947	-3,00	9,650	198,763	-3,00	10,021	199,134
9,951	199,237	0,116	9,650	198,936	-3,00		7+0,000	3,500	199,121	-3,00		3,500	199,121	-3,00	9,650	198,936	-3,00	10,098	199,385
9,958	199,442	0,124	9,650	199,134	-3,00		7+10,000	3,500	199,318	-3,00		3,500	199,318	-3,00	9,650	199,134	-3,00	10,226	199,710
9,973	199,648	0,139	9,650	199,324	-3,00		8+0,000	3,500	199,509	-3,00		3,500	199,509	-3,00	9,650	199,324	-3,00	10,402	200,076
9,975	199,672	0,141	9,650	199,347	-3,00		8+1,188	3,500	199,531	-3,00		3,500	199,531	-3,00	9,650	199,347	-3,00	10,419	200,115
10,005	199,903	0,171	9,650	199,548	-3,00		8+11,992	3,500	199,732	-3,00		3,500	199,732	-3,00	9,650	199,548	-3,00	10,425	200,323
9,958	200,006	0,124	9,650	199,697	-3,00		9+0,000	3,500	199,882	-3,00		3,500	199,882	-3,00	9,650	199,697	-3,00	10,416	200,463
9,859	200,279	0,025	9,650	200,070	-3,00		10+0,000	3,500	200,254	-3,00		3,500	200,254	-3,00	9,650	200,070	-3,00	10,372	200,792
9,768	200,412	-0,066	9,650	200,294	-3,00		10+12,021	3,500	200,478	-3,00		3,500	200,478	-3,00	9,650	200,294	-3,00	10,377	201,021
9,281	200,708	0,081	9,034	200,461	-3,00		11+0,000	3,500	200,627	-3,00		3,500	200,627	-3,00	9,650	200,443	-3,00	10,320	201,113
7,715	201,104	0,104	7,492	200,880	-3,00		12+0,000	3,500	201,000	-3,00		3,500	201,000	-3,00	9,650	200,815	-3,00	10,096	201,261
6,258	201,609	0,236	5,949	201,299	-3,00		13+0,000	3,500	201,373	-3,00		3,500	201,373	-3,00	9,650	201,188	-3,00	10,123	201,462
6,089	201,670	0,254	5,768	201,348	-3,00		13+2,343	3,500	201,416	-3,00		3,500	201,416	-3,00	9,650	201,232	-3,00	10,124	201,706
							14+0,000	3,500	201,746	-3,00		3,500	201,746	-3,00	8,288	201,602	-3,00	8,771	202,085
							14+2,021	3,500	201,783	-3,00		3,500	201,783	-3,00	8,132	201,644	-3,00	8,614	202,126
							15+0,000	3,500	202,118	-3,00		3,500	202,118	-3,00	6,745	202,021	-3,00	7,225	202,501
							16+0,000	3,500	202,491	-3,00		3,500	202,491	-3,00	5,202	202,440	-3,00	5,699	202,937
							16+12,343	3,500	202,721	-3,00		3,500	202,721	-3,00					
							17+0,000	3,500	202,864	-3,00		3,500	202,864	-3,00					
							17+2,314	3,500	202,907	-3,00		3,500	202,907	-3,00					



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6.0 - NOTAS DE SERVIÇO DE PAVIMENTO ACABADO (PAVIMENTAÇÃO)



Nota de Serviço de Pavimento Acabado																		
Rodovia : MT-339/248																		
Lado Esquerdo								Lado Direito										
Offset		Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset		
		Alast. (m)	Cota (m)	Alast. (m)	Cota (m)							Alast. (m)	Cota (m)	Alast. (m)	Cota (m)			
Rodovia : MT-339/248																		
		5,000	219,903	3,500	219,948	-3,00			220,053	219,822	0,231	3,500	219,948	-3,00	5,000	219,903		
		5,000	220,268	3,500	220,313	-3,00			220,418	220,564	-0,146	3,500	220,313	-3,00	5,000	220,268		
		5,000	220,633	3,500	220,678	-3,00			220,783	220,909	-0,126	3,500	220,678	-3,00	5,000	220,633		
		5,000	220,998	3,500	221,043	-3,00			221,148	221,392	-0,244	3,500	221,043	-3,00	5,000	220,998		
		5,000	221,363	3,500	221,408	-3,00			221,513	221,599	-0,086	3,500	221,408	-3,00	5,000	221,363		
		5,000	221,728	3,500	221,773	-3,00			221,878	221,978	-0,100	3,500	221,773	-3,00	5,000	221,728		
		5,000	222,093	3,500	222,138	-3,00			222,243	222,249	-0,006	3,500	222,138	-3,00	5,000	222,093		
		5,000	222,458	3,500	222,503	-3,00			222,608	222,546	0,062	3,500	222,503	-3,00	5,000	222,458		
		5,000	222,823	3,500	222,868	-3,00			222,973	222,783	0,190	3,500	222,868	-3,00	5,000	222,823		
		5,000	223,188	3,500	223,233	-3,00			223,338	223,097	0,241	3,500	223,233	-3,00	5,000	223,188		
		5,000	223,553	3,500	223,598	-3,00			223,703	223,456	0,247	3,500	223,598	-3,00	5,000	223,553		
		5,000	223,918	3,500	223,963	-3,00			224,068	223,815	0,253	3,500	223,963	-3,00	5,000	223,918		
		5,000	224,283	3,500	224,328	-3,00			224,433	224,241	0,192	3,500	224,328	-3,00	5,000	224,283		
		5,000	224,648	3,500	224,693	-3,00			224,798	224,655	0,143	3,500	224,693	-3,00	5,000	224,648		
		5,000	225,013	3,500	225,058	-3,00			225,163	225,045	0,118	3,500	225,058	-3,00	5,000	225,013		
		5,000	225,358	3,500	225,403	-3,00		PCV	225,508	225,541	-0,033	3,500	225,403	-3,00	5,000	225,358		
		5,000	225,777	3,500	225,822	-3,00			225,927	225,564	-0,037	3,500	225,822	-3,00	5,000	225,777		
		5,000	225,698	3,500	225,743	-3,00			225,848	225,938	-0,090	3,500	225,743	-3,00	5,000	225,698		
		5,000	225,938	3,500	225,983	-3,00			226,088	226,241	-0,153	3,500	225,983	-3,00	5,000	225,938		
		5,000	226,098	3,500	226,143	-3,00			226,248	226,503	-0,255	3,500	226,143	-3,00	5,000	226,098		
		5,000	226,178	3,500	226,223	-3,00			226,328	226,636	-0,308	3,500	226,223	-3,00	5,000	226,178		
		5,000	226,187	3,500	226,232	-3,00			226,337	226,660	-0,323	3,500	226,232	-3,00	5,000	226,187		
		5,000	226,177	3,500	226,222	-3,00			226,327	226,539	-0,212	3,500	226,222	-3,00	5,000	226,177		
		5,000	226,096	3,500	226,141	-3,00			226,246	226,134	0,112	3,500	226,141	-3,00	5,000	226,096		
		5,000	225,935	3,500	225,980	-3,00			226,085	225,747	0,338	3,500	225,980	-3,00	5,000	225,935		
		5,000	225,693	3,500	225,738	-3,00			225,843	225,353	0,490	3,500	225,738	-3,00	5,000	225,693		
		5,000	225,901	3,500	225,946	-3,00		PTV	225,541	225,012	0,529	3,500	225,946	-3,00	5,000	225,901		



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SIGA 

Nota de Serviço de Pavimento Acabado																	
Rodovia : MT-339/248																	
Lado Esquerdo						Eixo					Lado Direito						
Offset		Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset	
		Alast. (m)	Cota (m)	Alast. (m)	Cota (m)							Alast. (m)	Cota (m)	Alast. (m)	Cota (m)		
	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)												Cota (m)
		5,000	186,529	3,500	186,574	-3,00	750+0,000		186,679	185,410	1,269	3,500	186,574	-3,00	5,000	186,529	
		5,000	187,042	3,500	187,087	-3,00	751+0,000		187,192	186,000	1,192	3,500	187,087	-3,00	5,000	187,042	
		5,000	187,190	3,500	187,235	-3,00	751+4,576	PTV	187,340	186,102	1,238	3,500	187,235	-3,00	5,000	187,190	
		5,000	187,533	3,500	187,578	-3,00	751+14,840	PCV	187,683	186,700	0,983	3,500	187,578	-3,00	5,000	187,533	
		5,000	187,699	3,500	187,744	-3,00	752+0,000		187,849	186,977	0,872	3,500	187,744	-3,00	5,000	187,699	
		5,000	188,205	3,500	188,250	-3,00	753+0,000		188,355	188,043	0,312	3,500	188,250	-3,00	5,000	188,205	
		5,000	188,327	3,500	188,372	-3,00	753+6,762		188,477	188,431	0,046	3,500	188,372	-3,00	5,000	188,327	
		5,000	188,607	3,500	188,618	-0,79	754+0,000		188,646	188,925	-0,279	3,500	188,541	-3,00	5,000	188,496	
		5,000	188,683	3,500	188,683	0,00	754+4,762		188,683	189,010	-0,327	3,500	188,578	-3,00	5,000	188,533	
		5,000	188,825	3,500	188,794	2,04	754+16,974		188,723	189,215	-0,492	3,500	188,618	-3,00	5,000	188,573	
		5,000	188,848	3,500	188,810	2,54	755+0,000		188,721	189,268	-0,547	3,500	188,616	-3,00	5,000	188,571	
		5,000	188,864	3,500	188,819	3,00	755+2,762	TS	188,714	189,317	-0,603	3,500	188,609	-3,00	5,000	188,564	
		5,000	188,875	3,500	188,786	5,87	756+0,000		188,581	189,224	-0,643	3,500	188,376	-5,87	5,000	188,288	
		5,000	188,778	3,500	188,658	8,00	756+12,762	SC	188,378	188,796	-0,418	3,500	188,098	-8,00	5,000	187,978	
		5,000	188,625	3,500	188,505	8,00	757+0,000		188,225	188,376	-0,151	3,500	187,945	-8,00	5,000	187,825	
		5,000	188,267	3,500	188,147	8,00	757+13,348		187,867	187,828	0,039	3,500	187,587	-8,00	5,000	187,467	
		5,000	188,053	3,500	187,933	8,00	758+0,000		187,653	187,597	0,056	3,500	187,373	-8,00	5,000	187,253	
SEGMENTO PAVIMENTADO (EST. 758+0,00 a 776+0,00) COMUNIDADE SANTA FÉ																	
		5,000	175,772	3,500	175,817	-3,00	776+0,000		175,922	175,930	-0,008	3,500	175,817	-3,00	5,000	175,772	
		5,000	175,772	3,500	175,817	-3,00	776+0,144		175,922	175,929	-0,007	3,500	175,817	-3,00	5,000	175,772	
		5,000	175,900	3,500	175,945	-3,00	777+0,000		176,050	175,653	0,397	3,500	175,945	-3,00	5,000	175,900	
		5,000	175,941	3,500	175,986	-3,00	777+3,711	PTV	176,091	175,696	0,395	3,500	175,986	-3,00	5,000	175,941	
		5,000	176,132	3,500	176,177	-3,00	778+0,000		176,282	175,498	0,784	3,500	176,177	-3,00	5,000	176,132	
		5,000	176,210	3,500	176,255	-3,00	778+6,700	PCV	176,360	175,420	0,940	3,500	176,255	-3,00	5,000	176,210	
		5,000	176,356	3,500	176,401	-3,00	779+0,000		176,506	175,336	1,170	3,500	176,401	-3,00	5,000	176,356	
		5,000	176,535	3,500	176,580	-3,00	780+0,000		176,685	175,048	1,637	3,500	176,580	-3,00	5,000	176,535	
		5,000	176,668	3,500	176,713	-3,00	781+0,000		176,818	174,849	1,969	3,500	176,713	-3,00	5,000	176,668	
		5,000	176,764	3,500	176,799	-3,00	782+0,000		176,904	174,670	2,234	3,500	176,799	-3,00	5,000	176,764	



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Nota de Serviço de Pavimento Acabado																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento										Bordo Acostamento									
Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
		5,000	177,496	3,500	177,550	-3,60	801+0,000		177,676	1,320	177,802	3,500	177,802	3,60	177,856				
		5,000	177,580	3,500	177,634	-3,60	802+0,000		177,760	1,256	177,886	3,500	177,886	3,60	177,940				
		5,000	177,665	3,500	177,719	-3,60	803+0,000		177,843	1,245	177,969	3,500	177,969	3,60	178,023				
		5,000	177,750	3,500	177,804	-3,60	804+0,000		177,928	1,312	178,054	3,500	178,054	3,60	178,108				
		5,000	177,835	3,500	177,889	-3,60	805+0,000		178,012	1,344	178,138	3,500	178,138	3,60	178,192				
		5,000	177,920	3,500	177,974	-3,60	806+0,000		178,096	1,493	178,222	3,500	178,222	3,00	178,276				
		5,000	178,005	3,500	178,059	-3,60	807+0,000		178,180	1,450	178,306	3,500	178,306	1,38	178,360				
		5,000	178,090	3,500	178,144	-3,60	808+0,000		178,264	1,301	178,390	3,500	178,390	0,00	178,444				
		5,000	178,175	3,500	178,229	-3,60	809+0,000		178,348	1,293	178,474	3,500	178,474	-1,89	178,528				
		5,000	178,260	3,500	178,314	-3,60	810+0,000		178,432	1,297	178,558	3,500	178,558	-3,00	178,612				
		5,000	178,345	3,500	178,399	-3,60	811+0,000		178,516	1,340	178,642	3,500	178,642	-3,00	178,696				
		5,000	178,430	3,500	178,484	-3,60	812+0,000		178,600	1,452	178,726	3,500	178,726	-3,00	178,780				
		5,000	178,515	3,500	178,569	-3,60	813+0,000		178,684	1,490	178,810	3,500	178,810	-3,00	178,864				
		5,000	178,600	3,500	178,654	-3,60	814+0,000		178,768	1,488	178,894	3,500	178,894	-3,00	178,948				
		5,000	178,685	3,500	178,739	-3,60	815+0,000		178,852	1,534	178,978	3,500	178,978	-3,00	179,032				
		5,000	178,770	3,500	178,824	-3,60	816+0,000		178,936	1,547	179,062	3,500	179,062	-3,00	179,116				
		5,000	178,855	3,500	178,909	-3,60	817+0,000		179,020	1,607	179,146	3,500	179,146	-3,00	179,200				
		5,000	178,940	3,500	178,994	-3,60	818+0,000		179,104	1,666	179,230	3,500	179,230	-3,00	179,284				
		5,000	179,025	3,500	179,079	-3,60	819+0,000		179,188	1,619	179,314	3,500	179,314	-3,00	179,368				
		5,000	179,110	3,500	179,164	-3,60	820+0,000		179,272	1,603	179,398	3,500	179,398	-3,00	179,452				
		5,000	179,195	3,500	179,249	-3,60	821+0,000		179,356	1,646	179,482	3,500	179,482	-3,00	179,536				
		5,000	179,280	3,500	179,334	-3,60	822+0,000		179,440	1,654	179,566	3,500	179,566	-3,00	179,620				
		5,000	179,365	3,500	179,419	-3,60	823+0,000		179,524	1,664	179,650	3,500	179,650	-3,00	179,704				
		5,000	179,450	3,500	179,504	-3,60	824+0,000		179,608	1,732	179,734	3,500	179,734	-3,00	179,788				
		5,000	179,535	3,500	179,589	-3,60	825+0,000		179,692	1,673	179,818	3,500	179,818	-3,00	179,872				
		5,000	179,620	3,500	179,674	-3,60	826+0,000		179,776	1,763	179,902	3,500	179,902	-3,00	179,956				
		5,000	179,705	3,500	179,759	-3,60	827+0,000		179,860	1,720	179,986	3,500	179,986	-3,00	180,040				
		5,000	179,790	3,500	179,844	-3,60	828+0,000		179,954	1,763	180,080	3,500	180,080	-3,00	180,134				
		5,000	179,875	3,500	179,929	-3,60	829+0,000		180,048	1,720	180,174	3,500	180,174	-3,00	180,228				
		5,000	179,960	3,500	180,014	-3,60	830+0,000		180,142	1,618	180,268	3,500	180,268	-3,00	180,322				

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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Lado Direito					Lado Esquerdo					Lado Direito				
Offset	Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Semi-Pista Cota (m)	Incl. (%)	Acostamento Alast. (m)	Bordo Acostamento Cota (m)	Offset	Alast. (m)	Semi-Pista Cota (m)	Incl. (%)
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)															
	5,000	186,217	3,500	186,262	-3,00	862+0,000		186,367	185,000	1,367	3,500	186,262	-3,00	5,000	186,217				
	5,000	186,166	3,500	186,211	-3,00	863+0,000		186,316	185,216	1,100	3,500	186,211	-3,00	5,000	186,166				
	5,000	186,116	3,500	186,161	-3,00	864+0,000		186,266	185,344	0,922	3,500	186,161	-3,00	5,000	186,116				
	5,000	186,066	3,500	186,111	-3,00	865+0,000		186,216	185,173	1,043	3,500	186,111	-3,00	5,000	186,066				
	5,000	186,015	3,500	186,060	-3,00	866+0,000		186,165	184,973	1,192	3,500	186,060	-3,00	5,000	186,015				
	5,000	185,965	3,500	186,010	-3,00	867+0,000		186,115	184,789	1,326	3,500	186,010	-3,00	5,000	185,965				
	5,000	185,915	3,500	185,960	-3,00	868+0,000		186,065	184,778	1,287	3,500	185,960	-3,00	5,000	185,915				
	5,000	185,907	3,500	185,952	-3,00	868+3,221	PCV	186,057	184,792	1,265	3,500	185,952	-3,00	5,000	185,907				
	5,000	185,875	3,500	185,920	-3,00	869+0,000		186,025	184,958	1,067	3,500	185,920	-3,00	5,000	185,875				
	5,000	185,866	3,500	185,911	-3,00	869+15,790		186,016	184,949	1,067	3,500	185,911	-3,00	5,000	185,866				
	5,000	185,867	3,500	185,912	-3,00	870+0,000		186,017	184,943	1,074	3,500	185,912	-3,00	5,000	185,867				
	5,000	185,888	3,500	185,933	-3,00	871+0,000		186,038	185,077	0,961	3,500	185,933	-3,00	5,000	185,888				
	5,000	185,941	3,500	185,986	-3,00	872+0,000		186,091	184,905	1,186	3,500	185,986	-3,00	5,000	185,941				
	5,000	186,025	3,500	186,070	-3,00	873+0,000		186,175	184,999	1,176	3,500	186,070	-3,00	5,000	186,025				
	5,000	186,056	3,500	186,101	-3,00	873+5,892	TS	186,206	184,749	1,457	3,500	186,101	-3,00	5,000	186,056				
	5,000	186,140	3,500	186,185	-3,00	874+0,000		186,290	184,600	1,690	3,500	186,185	-3,00	5,000	186,140				
	5,000	186,165	3,500	186,210	-3,00	874+3,892		186,315	184,716	1,599	3,500	186,210	-3,00	5,000	186,165				
	5,000	186,419	3,500	186,424	-0,32	875+0,000		186,435	182,586	3,849	3,500	186,430	-3,00	5,000	186,385				
	5,000	186,450	3,500	186,450	0,00	875+1,892		186,450	181,461	4,989	3,500	186,445	-3,00	5,000	186,400				
	5,000	186,760	3,500	186,715	3,00	875+19,892		186,610	182,796	3,814	3,500	186,605	-3,00	5,000	186,460				
	5,000	186,762	3,500	186,717	3,02	876+0,000		186,611	182,820	3,791	3,500	186,605	-3,02	5,000	186,460				
	5,000	186,869	3,500	186,809	4,00	876+5,892	SC	186,669	184,565	2,104	3,500	186,629	-4,00	5,000	186,469				
	5,000	187,019	3,500	186,959	4,00	877+0,000		186,819	184,055	2,764	3,500	186,679	-4,00	5,000	186,619				
	5,000	187,257	3,500	187,197	4,00	878+0,000		187,057	184,585	2,472	3,500	186,917	-4,00	5,000	186,857				
	5,000	187,347	3,500	187,287	4,00	878+6,981		187,147	184,842	2,305	3,500	187,007	-4,00	5,000	186,947				
	5,000	187,526	3,500	187,466	4,00	879+0,000		187,326	185,318	2,008	3,500	187,186	-4,00	5,000	187,126				
	5,000	187,825	3,500	187,765	4,00	880+0,000		187,625	186,536	1,089	3,500	187,485	-4,00	5,000	187,425				
	5,000	187,955	3,500	187,895	4,00	880+8,070	CS	187,755	186,983	0,772	3,500	187,615	-4,00	5,000	187,555				



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Nota de Serviço de Pavimento Acabado																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento										Bordo Acostamento									
Offset	Cota (m)		Alast. (m)		Cota (m)		Alast. (m)		Incl. (%)	Cota (m)		Alast. (m)		Cota (m)		Alast. (m)		Incl. (%)	Offset
Alast. (m)	Cota (m)		Alast. (m)		Cota (m)		Alast. (m)		Incl. (%)	Cota (m)		Alast. (m)		Cota (m)		Alast. (m)		Incl. (%)	Cota (m)
	5,000	228,404	3,500	228,449	-3,00	994+0,000		228,554	228,980	-0,26	3,500	228,449	-3,00	5,000	228,404				
	5,000	228,425	3,500	228,470	-3,00	994+16,123		228,575	228,588	-1,013	3,500	228,470	-3,00	5,000	228,425				
	5,000	228,424	3,500	228,469	-3,00	995+0,000		228,574	228,735	-1,161	3,500	228,469	-3,00	5,000	228,424				
	5,000	228,378	3,500	228,423	-3,00	996+0,000		228,528	230,122	-1,594	3,500	228,423	-3,00	5,000	228,378				
	5,000	228,266	3,500	228,311	-3,00	997+0,000		228,416	230,278	-1,862	3,500	228,311	-3,00	5,000	228,266				
	5,000	228,087	3,500	228,132	-3,00	998+0,000		228,237	229,707	-1,470	3,500	228,132	-3,00	5,000	228,087				
	5,000	227,842	3,500	227,887	-3,00	999+0,000		227,992	229,143	-1,151	3,500	227,887	-3,00	5,000	227,842				
	5,000	227,531	3,500	227,576	-3,00	1000+0,000		227,681	228,617	-0,936	3,500	227,576	-3,00	5,000	227,531				
	5,000	227,173	3,500	227,218	-3,00	1001+0,000		227,323	227,692	-0,369	3,500	227,218	-3,00	5,000	227,173				
	5,000	226,813	3,500	226,858	-3,00	1002+0,000		226,963	225,229	1,734	3,500	226,858	-3,00	5,000	226,813				
	5,000	226,453	3,500	226,498	-3,00	1003+0,000		226,603	225,839	0,764	3,500	226,498	-3,00	5,000	226,453				
	5,000	226,094	3,500	226,139	-3,00	1004+0,000		226,244	225,168	1,076	3,500	226,139	-3,00	5,000	226,094				
	5,000	225,823	3,500	225,868	-3,00	1004+15,069	PCV	225,973	224,653	1,320	3,500	225,868	-3,00	5,000	225,823				
	5,000	225,736	3,500	225,781	-3,00	1005+0,000		225,886	224,472	1,414	3,500	225,781	-3,00	5,000	225,736				
	5,000	225,433	3,500	225,478	-3,00	1006+0,000		225,583	223,934	1,649	3,500	225,478	-3,00	5,000	225,433				
	5,000	225,206	3,500	225,251	-3,00	1007+0,000		225,356	223,564	1,792	3,500	225,251	-3,00	5,000	225,206				
	5,000	225,054	3,500	225,099	-3,00	1008+0,000		225,204	223,482	1,722	3,500	225,099	-3,00	5,000	225,054				
	5,000	224,978	3,500	225,023	-3,00	1009+0,000		225,128	222,960	2,168	3,500	225,023	-3,00	5,000	224,978				
	5,000	224,969	3,500	225,014	-3,00	1009+10,068		225,119	223,086	2,033	3,500	225,014	-3,00	5,000	224,969				
	5,000	224,978	3,500	225,023	-3,00	1010+0,000		225,128	223,220	1,908	3,500	225,023	-3,00	5,000	224,978				
	5,000	225,053	3,500	225,098	-3,00	1011+0,000		225,203	223,398	1,805	3,500	225,098	-3,00	5,000	225,053				
	5,000	225,205	3,500	225,250	-3,00	1012+0,000		225,355	223,767	1,588	3,500	225,250	-3,00	5,000	225,205				
	5,000	225,369	3,500	225,414	-3,00	1012+15,069	PTV	225,519	224,132	1,387	3,500	225,414	-3,00	5,000	225,369				
	5,000	225,429	3,500	225,474	-3,00	1013+0,000		225,579	224,275	1,304	3,500	225,474	-3,00	5,000	225,429				
	5,000	225,675	3,500	225,720	-3,00	1014+0,000		225,825	224,910	0,915	3,500	225,720	-3,00	5,000	225,675				
	5,000	225,921	3,500	225,966	-3,00	1015+0,000		226,071	225,661	0,410	3,500	225,966	-3,00	5,000	225,921				
	5,000	226,167	3,500	226,212	-3,00	1016+0,000		226,317	226,304	0,013	3,500	226,212	-3,00	5,000	226,167				
	5,000	226,414	3,500	226,459	-3,00	1017+0,000		226,564	226,816	-0,252	3,500	226,459	-3,00	5,000	226,414				



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Offset	Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset				
	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)							Alast. (m)	Cota (m)	Alast. (m)	Cota (m)		Incl. (%)	Incl. (%)	Alast. (m)	Cota (m)
	5,000	238,314	3,500	238,359	-3,00	1069+0,000		238,464	237,679	0,785	3,500	238,359	-3,00	5,000	238,314		-3,00	5,000	238,314
	5,000	238,044	3,500	238,089	-3,00	1070+0,000		238,194	237,407	0,787	3,500	238,089	-3,00	5,000	238,044		-3,00	5,000	238,044
	5,000	237,773	3,500	237,818	-3,00	1071+0,000		237,923	237,040	0,883	3,500	237,818	-3,00	5,000	237,773		-3,00	5,000	237,773
	5,000	237,503	3,500	237,548	-3,00	1072+0,000		237,653	236,754	0,899	3,500	237,548	-3,00	5,000	237,503		-3,00	5,000	237,503
	5,000	237,233	3,500	237,278	-3,00	1073+0,000		237,383	236,478	0,905	3,500	237,278	-3,00	5,000	237,233		-3,00	5,000	237,233
	5,000	236,963	3,500	237,008	-3,00	1074+0,000		237,113	236,569	1,144	3,500	237,008	-3,00	5,000	236,963		-3,00	5,000	236,963
	5,000	236,692	3,500	236,737	-3,00	1075+0,000		236,842	236,548	0,894	3,500	236,737	-3,00	5,000	236,692		-3,00	5,000	236,692
	5,000	236,422	3,500	236,467	-3,00	1076+0,000		236,572	236,623	0,949	3,500	236,467	-3,00	5,000	236,422		-3,00	5,000	236,422
	5,000	236,152	3,500	236,197	-3,00	1077+0,000		236,302	236,325	0,977	3,500	236,197	-3,00	5,000	236,152		-3,00	5,000	236,152
	5,000	236,061	3,500	236,106	-3,00	1077+6,752	PCV	236,211	235,200	1,011	3,500	236,106	-3,00	5,000	236,061		-3,00	5,000	236,061
	5,000	235,877	3,500	235,922	-3,00	1078+0,000		236,027	234,963	1,064	3,500	235,922	-3,00	5,000	235,877		-3,00	5,000	235,877
	5,000	235,584	3,500	235,629	-3,00	1079+0,000		235,734	234,613	1,121	3,500	235,629	-3,00	5,000	235,584		-3,00	5,000	235,584
	5,000	235,270	3,500	235,315	-3,00	1080+0,000		235,420	234,421	0,999	3,500	235,315	-3,00	5,000	235,270		-3,00	5,000	235,270
	5,000	234,937	3,500	234,982	-3,00	1081+0,000		235,087	234,122	0,965	3,500	234,982	-3,00	5,000	234,937		-3,00	5,000	234,937
	5,000	234,584	3,500	234,629	-3,00	1082+0,000		234,734	233,752	0,982	3,500	234,629	-3,00	5,000	234,584		-3,00	5,000	234,584
	5,000	234,211	3,500	234,256	-3,00	1083+0,000		234,361	233,148	1,213	3,500	234,256	-3,00	5,000	234,211		-3,00	5,000	234,211
	5,000	233,818	3,500	233,863	-3,00	1084+0,000		233,968	232,925	1,043	3,500	233,863	-3,00	5,000	233,818		-3,00	5,000	233,818
	5,000	233,405	3,500	233,450	-3,00	1085+0,000		233,555	232,559	0,996	3,500	233,450	-3,00	5,000	233,405		-3,00	5,000	233,405
	5,000	232,972	3,500	233,017	-3,00	1086+0,000		233,122	232,130	0,992	3,500	233,017	-3,00	5,000	232,972		-3,00	5,000	232,972
	5,000	232,520	3,500	232,565	-3,00	1087+0,000		232,670	231,744	0,926	3,500	232,565	-3,00	5,000	232,520		-3,00	5,000	232,520
	5,000	232,362	3,500	232,407	-3,00	1087+6,752	PTV	232,512	231,616	0,896	3,500	232,407	-3,00	5,000	232,362		-3,00	5,000	232,362
	5,000	232,051	3,500	232,096	-3,00	1088+0,000		232,201	231,333	0,868	3,500	232,096	-3,00	5,000	232,051		-3,00	5,000	232,051
	5,000	231,582	3,500	231,627	-3,00	1089+0,000		231,732	230,914	0,818	3,500	231,627	-3,00	5,000	231,582		-3,00	5,000	231,582
	5,000	231,112	3,500	231,157	-3,00	1090+0,000		231,262	230,531	0,731	3,500	231,157	-3,00	5,000	231,112		-3,00	5,000	231,112
	5,000	230,643	3,500	230,688	-3,00	1091+0,000		230,793	229,952	0,841	3,500	230,688	-3,00	5,000	230,643		-3,00	5,000	230,643
	5,000	230,174	3,500	230,219	-3,00	1092+0,000		230,324	229,392	0,932	3,500	230,219	-3,00	5,000	230,174		-3,00	5,000	230,174
	5,000	229,858	3,500	229,903	-3,00	1092+13,436	PCV	230,008	229,054	0,954	3,500	229,903	-3,00	5,000	229,858		-3,00	5,000	229,858
	5,000	229,700	3,500	229,745	-3,00	1093+0,000		229,850	228,800	1,050	3,500	229,745	-3,00	5,000	229,700		-3,00	5,000	229,700



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Nota de Serviço de Pavimento Acabado																					
Rodovia : MT-339/248																					
Lado Esquerdo										Lado Direito											
Offset		Bordo Acostamento				Bordo Semi-Pista		Estaca		Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset		
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)									Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
		8.500	200,804	7,000	200,849	-3,00	1216+10,000					201,059	199,752	1,307	7,000	200,849	-3,00	8,500	200,804		
		8.500	200,799	7,000	200,844	-3,00	1216+10,463					201,054	199,749	1,305	7,000	200,844	-3,00	8,500	200,799		
		8.023	200,710	6,523	200,755	-3,00	1217+0,000					200,951	199,668	1,283	6,523	200,755	-3,00	8,023	200,710		
		7.523	200,630	6,023	200,675	-3,00	1217+10,000					200,856	199,591	1,265	6,023	200,675	-3,00	7,523	200,630		
		7.023	200,565	5,523	200,610	-3,00	1218+0,000					200,776	199,515	1,261	5,523	200,610	-3,00	7,023	200,565		
		6.523	200,513	5,023	200,558	-3,00	1218+10,000					200,709	199,361	1,348	5,023	200,558	-3,00	6,523	200,513		
		6.023	200,476	4,523	200,521	-3,00	1219+0,000					200,657	199,356	1,301	4,523	200,521	-3,00	6,023	200,476		
		5.523	200,453	4,023	200,498	-3,00	1219+10,000					200,619	199,242	1,377	4,023	200,498	-3,00	5,523	200,453		
		5.023	200,444	3,523	200,489	-3,00	1220+0,000					200,595	199,126	1,469	3,523	200,489	-3,00	5,023	200,444		
		5.000	200,444	3,500	200,489	-3,00	1220+0,463					200,594	199,119	1,475	3,500	200,489	-3,00	5,000	200,444		
		5.000	200,434	3,500	200,479	-3,00	1220+12,072					200,584	198,934	1,650	3,500	200,479	-3,00	5,000	200,434		
		5.000	200,436	3,500	200,481	-3,00	1220+16,761		PTV			200,586	198,839	1,747	3,500	200,481	-3,00	5,000	200,436		
		5.000	200,438	3,500	200,483	-3,00	1221+0,000					200,588	198,759	1,829	3,500	200,483	-3,00	5,000	200,438		
		5.000	200,451	3,500	200,496	-3,00	1222+0,000					200,601	198,606	1,995	3,500	200,496	-3,00	5,000	200,451		
		5.000	200,464	3,500	200,509	-3,00	1223+0,000					200,614	198,747	1,867	3,500	200,509	-3,00	5,000	200,464		
		5.000	200,478	3,500	200,523	-3,00	1224+0,000					200,628	198,837	1,791	3,500	200,523	-3,00	5,000	200,478		
		5.000	200,491	3,500	200,536	-3,00	1225+0,000					200,641	198,936	1,705	3,500	200,536	-3,00	5,000	200,491		
		5.000	200,500	3,500	200,545	-3,00	1225+14,431		PCV			200,650	199,103	1,547	3,500	200,545	-3,00	5,000	200,500		
		5.000	200,508	3,500	200,553	-3,00	1226+0,000					200,658	199,181	1,477	3,500	200,553	-3,00	5,000	200,508		
		5.000	200,602	3,500	200,647	-3,00	1227+0,000					200,752	199,329	1,423	3,500	200,647	-3,00	5,000	200,602		
		5.000	200,800	3,500	200,845	-3,00	1228+0,000					200,950	199,426	1,524	3,500	200,845	-3,00	5,000	200,800		
		5.000	201,102	3,500	201,147	-3,00	1229+0,000					201,252	199,584	1,668	3,500	201,147	-3,00	5,000	201,102		
		5.000	201,507	3,500	201,552	-3,00	1230+0,000					201,657	199,922	1,735	3,500	201,552	-3,00	5,000	201,507		
		5.000	202,017	3,500	202,062	-3,00	1231+0,000					201,167	200,573	1,594	3,500	202,062	-3,00	5,000	202,017		
		5.000	202,630	3,500	202,675	-3,00	1232+0,000					202,780	201,239	1,541	3,500	202,675	-3,00	5,000	202,630		
		5.000	203,347	3,500	203,392	-3,00	1233+0,000					203,497	202,430	1,067	3,500	203,392	-3,00	5,000	203,347		
		5.000	203,812	3,500	203,857	-3,00	1233+11,649		TS			203,962	203,279	0,683	3,500	203,857	-3,00	5,000	203,812		
		5.000	204,167	3,500	204,212	-3,00	1234+0,000					204,317	204,032	0,285	3,500	204,212	-3,00	5,000	204,167		



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248										Eixo									
Lado Esquerdo					Lado Direito					Lado Esquerdo					Lado Direito				
Offset	Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Incl. (%)	Acostamento	Alast. (m)	Cota (m)	Offset	Alast. (m)	Cota (m)
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)															
	5,000	205,413	3,500	205,458	-3,00	1249+0,000		205,563	205,311	0,252	3,500	205,458	-3,00	5,000	205,413				
	5,000	204,596	3,500	204,641	-3,00	1250+0,000		204,746	203,959	0,787	3,500	204,641	-3,00	5,000	204,596				
	5,000	203,779	3,500	203,824	-3,00	1251+0,000		203,929	202,593	1,336	3,500	203,824	-3,00	5,000	203,779				
	5,000	203,501	3,500	203,546	-3,00	1251+6,800	PCV	203,651	202,233	1,418	3,500	203,546	-3,00	5,000	203,501				
	5,000	202,980	3,500	203,025	-3,00	1252+0,000		203,130	201,587	1,543	3,500	203,025	-3,00	5,000	202,980				
	5,000	202,260	3,500	202,305	-3,00	1253+0,000		202,410	200,787	1,623	3,500	202,305	-3,00	5,000	202,260				
	5,000	201,625	3,500	201,670	-3,00	1254+0,000		201,775	200,057	1,718	3,500	201,670	-3,00	5,000	201,625				
	5,000	201,074	3,500	201,119	-3,00	1255+0,000		201,224	199,506	1,718	3,500	201,119	-3,00	5,000	201,074				
	5,000	200,607	3,500	200,652	-3,00	1256+0,000		200,757	198,915	1,842	3,500	200,652	-3,00	5,000	200,607				
	5,000	200,225	3,500	200,270	-3,00	1257+0,000		200,375	198,515	1,860	3,500	200,270	-3,00	5,000	200,225				
	5,000	199,936	3,500	199,971	-3,00	1258+0,000		200,076	198,171	1,905	3,500	199,971	-3,00	5,000	199,936				
	5,000	199,712	3,500	199,757	-3,00	1259+0,000		199,862	197,987	1,875	3,500	199,757	-3,00	5,000	199,712				
	5,000	199,582	3,500	199,627	-3,00	1260+0,000		199,732	197,694	2,038	3,500	199,627	-3,00	5,000	199,582				
	5,000	199,536	3,500	199,581	-3,00	1261+0,000		199,686	197,807	1,879	3,500	199,581	-3,00	5,000	199,536				
	5,000	199,536	3,500	199,581	-3,00	1261+0,853		199,686	197,811	1,875	3,500	199,581	-3,00	5,000	199,536				
	5,000	199,575	3,500	199,620	-3,00	1262+0,000		199,725	197,902	1,823	3,500	199,620	-3,00	5,000	199,575				
	5,000	199,698	3,500	199,743	-3,00	1263+0,000		199,848	198,071	1,777	3,500	199,743	-3,00	5,000	199,698				
	5,000	199,905	3,500	199,950	-3,00	1264+0,000		200,055	198,488	1,567	3,500	199,950	-3,00	5,000	199,905				
	5,000	199,922	3,500	199,967	-3,00	1264+1,364		200,072	198,626	1,446	3,500	199,967	-3,00	5,000	199,922				
	5,000	200,090	3,500	200,135	-3,00	1264+13,364		200,240	199,724	0,516	3,500	200,135	0,00	5,000	200,090				
	5,000	200,166	3,500	200,211	-3,00	1264+18,164	PC	200,316	200,086	0,230	3,500	200,211	1,20	5,000	200,166				
	5,000	200,196	3,500	200,241	-3,00	1265+0,000		200,346	200,015	0,331	3,500	200,241	1,66	5,000	200,196				
	5,000	200,288	3,500	200,333	-3,00	1265+5,364		200,338	199,805	0,633	3,500	200,333	3,00	5,000	200,288				
	5,000	200,571	3,500	200,616	-3,00	1266+0,000		200,721	199,225	1,496	3,500	200,616	3,00	5,000	200,571				
	5,000	201,031	3,500	201,076	-3,00	1267+0,000		201,181	199,594	1,587	3,500	201,076	3,00	5,000	201,031				
	5,000	201,575	3,500	201,620	-3,00	1268+0,000		201,725	200,141	1,584	3,500	201,620	3,00	5,000	201,575				
	5,000	202,203	3,500	202,248	-3,00	1269+0,000		202,353	200,847	1,506	3,500	202,248	3,00	5,000	202,203				
	5,000	202,436	3,500	202,481	-3,00	1269+6,800	PTV	202,586	201,071	1,515	3,500	202,481	3,00	5,000	202,436				



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Nota de Serviço de Pavimento Acabado																
Rodovia : MT-339/248																
Lado Esquerdo							Eixo			Lado Direito						
Offset	Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset	
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Incl. (%)						Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
						Sobreposição com a Rótula										
								207,666	210,520	-2,854	3,500	207,561	3,500	5,000	207,516	
								207,365	210,239	-2,874	3,500	207,260	3,500	5,000	207,215	
							PCV	206,745	209,769	-3,024	3,500	206,640	3,500	5,000	206,595	
								205,865	208,233	-2,368	3,500	205,760	3,500	5,000	205,715	
								205,412	207,427	-2,015	3,500	205,307	3,500	5,000	205,262	
							PTV	204,976	206,782	-1,806	3,500	204,871	3,500	5,000	204,826	
								204,527	206,311	-1,784	3,500	204,422	3,500	5,000	204,377	
								203,362	204,689	-1,327	3,500	203,257	3,500	5,000	203,212	
								203,229	204,544	-1,315	3,500	203,124	3,500	5,000	203,079	
								203,148	204,243	-1,095	3,500	203,043	3,500	5,000	202,998	
								202,933	204,116	-1,183	3,500	202,828	3,500	5,000	202,783	
RÓTULA																
								210,500	217,258	-6,758	3,500	210,605	3,500	5,000	210,650	
							PCV	210,642	217,707	-7,065	3,500	210,747	3,500	5,000	210,792	
								211,359	219,629	-8,270	3,500	211,464	3,500	5,000	211,509	
								211,526	219,355	-7,829	3,500	211,631	3,500	5,000	211,676	
								211,488	218,654	-7,166	3,500	211,593	3,500	5,000	211,638	
							PTV	210,998	216,614	-5,616	3,500	211,103	3,500	5,000	211,148	
								210,888	216,095	-5,207	3,500	210,993	3,500	5,000	211,038	
								210,015	211,831	-1,816	3,500	210,120	3,500	5,000	210,165	
								210,006	211,827	-1,821	3,500	210,111	3,500	5,000	210,156	
							PCV	209,896	211,772	-1,876	3,500	210,001	3,500	5,000	210,046	
								209,331	211,902	-2,571	3,500	209,436	3,500	5,000	209,481	
								209,175	212,455	-3,280	3,500	209,280	3,500	5,000	209,325	
								209,191	212,943	-3,752	3,500	209,296	3,500	5,000	209,341	
								209,590	215,205	-5,615	3,500	209,695	3,500	5,000	209,740	
							PTV	210,381	216,967	-6,586	3,500	210,486	3,500	5,000	210,531	



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento					Bordo Semi-Pista					Bordo Acostamento					Bordo Semi-Pista				
Offset																			
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)				Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)			
		5,000	210,363	3,500	210,408	-3,00	1415+0,000			210,513	211,956	-1,443		3,500	210,408	-3,00	210,363		
		5,000	209,221	3,500	209,266	-3,00	1416+0,000			209,371	207,446	1,925		3,500	209,266	-3,00	209,221		
		5,000	208,258	3,500	208,303	-3,00	1417+0,000			208,408	204,882	3,526		3,500	208,303	-3,00	208,258		
		5,000	207,474	3,500	207,519	-3,00	1418+0,000			207,624	203,610	5,014		3,500	207,519	-3,00	207,474		
		5,000	206,869	3,500	206,914	-3,00	1419+0,000			207,019	203,540	3,479		3,500	206,914	-3,00	206,869		
		5,000	206,443	3,500	206,488	-3,00	1420+0,000			206,593	203,467	3,126		3,500	206,488	-3,00	206,443		
		5,000	206,206	3,500	206,251	-3,00	1420+18,880		PTV	206,356	203,593	2,763		3,500	206,251	-3,00	206,206		
		5,000	206,196	3,500	206,241	-3,00	1421+0,000			206,346	203,602	2,744		3,500	206,241	-3,00	206,196		
		5,000	206,059	3,500	206,104	-3,00	1421+16,465			206,209	203,648	2,561		3,500	206,104	-3,00	206,059		
		5,000	206,058	3,500	206,094	-2,42	1422+0,000			206,179	203,657	2,522		3,500	206,074	-3,00	206,029		
		5,000	206,059	3,500	206,088	-1,97	1422+2,726	TS		206,157	203,663	2,494		3,500	206,052	-3,00	206,007		
		5,000	206,056	3,500	206,056	0,00	1422+14,726			206,056	203,678	2,378		3,500	205,951	-3,00	205,906		
		5,000	206,056	3,500	206,042	0,87	1423+0,000			206,012	203,712	2,300		3,500	205,907	-3,00	205,862		
		5,000	206,054	3,500	206,009	3,00	1423+12,987			205,904	203,818	2,086		3,500	205,799	-3,00	205,754		
		5,000	206,053	3,500	205,990	4,15	1424+0,000			205,845	203,846	1,999		3,500	205,700	-4,15	205,638		
		5,000	206,052	3,500	205,983	4,60	1424+2,726	SC		205,822	203,855	1,967		3,500	205,661	-4,60	205,592		
		5,000	205,908	3,500	205,839	4,60	1425+0,000			205,678	203,993	1,685		3,500	205,517	-4,60	205,448		
		5,000	205,795	3,500	205,726	4,60	1425+13,472			205,565	204,131	1,434		3,500	205,404	-4,60	205,335		
		5,000	205,741	3,500	205,672	4,60	1426+0,000			205,511	204,336	1,175		3,500	205,350	-4,60	205,281		
		5,000	205,574	3,500	205,505	4,60	1427+0,000			205,344	204,166	1,178		3,500	205,183	-4,60	205,114		
		5,000	205,538	3,500	205,469	4,60	1427+4,218	CS		205,308	204,177	1,131		3,500	205,147	-4,60	205,078		
		5,000	205,465	3,500	205,406	3,87	1427+8,638		PCV	205,271	204,090	1,181		3,500	205,136	-3,87	205,078		
		5,000	205,373	3,500	205,328	3,00	1427+13,958			205,223	204,083	1,140		3,500	205,118	-3,00	205,073		
		5,000	205,259	3,500	205,228	2,01	1428+0,000			205,158	203,751	1,407		3,500	205,053	-3,00	205,008		
		5,000	204,995	3,500	204,995	0,00	1428+12,218			204,995	203,446	1,549		3,500	204,890	-3,00	204,845		
		5,000	204,806	3,500	204,825	-1,28	1429+0,000			204,870	203,277	1,593		3,500	204,765	-3,00	204,720		
		5,000	204,696	3,500	204,725	-1,97	1429+4,218	ST		204,794	203,115	1,679		3,500	204,689	-3,00	204,644		
		5,000	204,523	3,500	204,568	-3,00	1429+10,479			204,673	202,943	1,730		3,500	204,568	-3,00	204,523		



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Offset		Bordo Acostamento				Bordo Semi-Pista		Eixo		Bordo Semi-Pista		Bordo Acostamento		Offset					
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Incl. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)		
		5,000	189,161	3,500	-3,00	1.447+13,765			189,311	188,225	1,086	3,500	189,311	0,00	5,000	189,311			
		5,000	189,059	3,500	-3,00	1.448+0,000			189,209	188,136	1,073	3,500	189,172	-1,05	5,000	189,157			
		5,000	188,898	3,500	-3,00	1.448+11,578			189,048	187,967	1,081	3,500	188,943	-3,00	5,000	188,898			
		5,000	188,850	3,500	-3,00	1.448+15,765	ST		189,000	187,901	1,099	3,500	188,895	-3,00	5,000	188,850			
		5,000	188,807	3,500	-3,00	1.449+0,000			188,957	187,834	1,123	3,500	188,852	-3,00	5,000	188,807			
		5,000	188,709	3,500	-3,00	1.449+12,860		PTV	188,859	187,633	1,226	3,500	188,754	-3,00	5,000	188,709			
		5,000	188,669	3,500	-3,00	1.450+0,000			188,819	187,555	1,264	3,500	188,714	-3,00	5,000	188,669			
		5,000	188,555	3,500	-3,00	1.451+0,000			188,705	187,318	1,387	3,500	188,600	-3,00	5,000	188,555			
		5,000	188,441	3,500	-3,00	1.452+0,000			188,591	187,235	1,356	3,500	188,486	-3,00	5,000	188,441			
		5,000	188,327	3,500	-3,00	1.453+0,000			188,477	187,236	1,241	3,500	188,372	-3,00	5,000	188,327			
		5,000	188,213	3,500	-3,00	1.454+0,000			188,363	187,141	1,222	3,500	188,258	-3,00	5,000	188,213			
		5,000	188,099	3,500	-3,00	1.455+0,000			188,249	186,891	1,358	3,500	188,144	-3,00	5,000	188,099			
		5,000	187,986	3,500	-3,00	1.456+0,000			188,136	186,857	1,279	3,500	188,031	-3,00	5,000	187,986			
		5,000	187,956	3,500	-3,00	1.456+5,136		PCV	188,106	186,888	1,218	3,500	188,001	-3,00	5,000	187,956			
		5,000	187,863	3,500	-3,00	1.457+0,000			188,013	186,933	1,080	3,500	187,908	-3,00	5,000	187,863			
		5,000	187,710	3,500	-3,00	1.458+0,000			187,860	186,918	0,942	3,500	187,755	-3,00	5,000	187,710			
		5,000	187,559	3,500	-3,00	1.458+16,643			187,709	186,721	0,988	3,500	187,604	-3,00	5,000	187,559			
		5,000	187,526	3,500	-3,00	1.459+0,000			187,676	186,664	1,012	3,500	187,600	-2,16	5,000	187,588			
		5,000	187,436	3,500	-3,00	1.459+8,643			187,586	186,520	1,066	3,500	187,586	0,00	5,000	187,586			
		5,000	187,384	3,500	-3,00	1.459+13,443	PC		187,534	186,456	1,078	3,500	187,576	1,20	5,000	187,594			
		5,000	187,310	3,500	-3,00	1.460+0,000			187,460	186,348	1,112	3,500	187,559	2,84	5,000	187,602			
		5,000	187,303	3,500	-3,00	1.460+0,643			187,453	186,338	1,115	3,500	187,558	3,00	5,000	187,603			
		5,000	187,063	3,500	-3,00	1.461+0,000			187,213	185,995	1,218	3,500	187,318	3,00	5,000	187,363			
		5,000	186,784	3,500	-3,00	1.462+0,000			186,934	185,684	1,250	3,500	187,039	3,00	5,000	187,084			
		5,000	186,474	3,500	-3,00	1.463+0,000			186,624	185,464	1,160	3,500	186,729	3,00	5,000	186,774			
		5,000	186,157	3,500	-3,00	1.463+18,649			186,307	185,091	1,216	3,500	186,412	3,00	5,000	186,457			
		5,000	186,133	3,500	-3,00	1.464+0,000			186,283	185,065	1,218	3,500	186,388	3,00	5,000	186,433			
		5,000	185,760	3,500	-3,00	1.465+0,000			185,910	184,821	1,089	3,500	185,805	3,00	5,000	185,850			



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Nota de Serviço de Pavimento Acabado																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento										Bordo Acostamento									
Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
		5,000	178,927	3,500	178,972	-3,00	1512+0,000		179,077	177,665	1,412	3,500	178,972	-3,00	5,000	178,927			
		5,000	179,732	3,500	179,777	-3,00	1513+0,000		179,882	178,892	0,990	3,500	179,777	-3,00	5,000	179,732			
		5,000	180,538	3,500	180,583	-3,00	1514+0,000		180,688	180,156	0,532	3,500	180,583	-3,00	5,000	180,538			
		5,000	181,344	3,500	181,389	-3,00	1515+0,000		181,494	180,858	0,636	3,500	181,389	-3,00	5,000	181,344			
		5,000	182,149	3,500	182,194	-3,00	1516+0,000		182,299	181,666	0,633	3,500	182,194	-3,00	5,000	182,149			
		5,000	182,955	3,500	183,000	-3,00	1517+0,000		183,105	182,495	0,610	3,500	183,000	-3,00	5,000	182,955			
		5,000	183,761	3,500	183,806	-3,00	1518+0,000		183,911	183,297	0,974	3,500	183,806	-3,00	5,000	183,761			
		5,000	184,566	3,500	184,611	-3,00	1519+0,000		184,716	183,704	1,012	3,500	184,611	-3,00	5,000	184,566			
		5,000	185,372	3,500	185,417	-3,00	1520+0,000		185,522	184,364	1,158	3,500	185,417	-3,00	5,000	185,372			
		5,000	186,086	3,500	186,131	-3,00	1520+17,738	PCV	186,236	185,154	1,082	3,500	186,131	-3,00	5,000	186,086			
		5,000	186,177	3,500	186,222	-3,00	1521+0,000		186,327	185,214	1,113	3,500	186,222	-3,00	5,000	186,177			
		5,000	186,915	3,500	186,960	-3,00	1522+0,000		187,065	185,846	1,219	3,500	186,960	-3,00	5,000	186,915			
		5,000	187,545	3,500	187,590	-3,00	1523+0,000		187,695	186,611	1,084	3,500	187,590	-3,00	5,000	187,545			
		5,000	188,065	3,500	188,110	-3,00	1524+0,000		188,215	187,331	0,884	3,500	188,110	-3,00	5,000	188,065			
		5,000	188,476	3,500	188,521	-3,00	1525+0,000		188,626	187,894	0,732	3,500	188,521	-3,00	5,000	188,476			
		5,000	188,777	3,500	188,822	-3,00	1526+0,000		188,927	188,162	0,765	3,500	188,822	-3,00	5,000	188,777			
		5,000	188,969	3,500	189,014	-3,00	1527+0,000		189,119	188,366	0,753	3,500	189,014	-3,00	5,000	188,969			
		5,000	189,052	3,500	189,097	-3,00	1528+0,000		189,202	188,829	0,373	3,500	189,097	-3,00	5,000	189,052			
		5,000	189,056	3,500	189,101	-3,00	1528+5,182		189,206	188,807	0,399	3,500	189,101	-3,00	5,000	189,056			
		5,000	189,036	3,500	189,071	-3,00	1529+0,000		189,176	188,422	0,754	3,500	189,071	-3,00	5,000	189,036			
		5,000	188,890	3,500	188,935	-3,00	1530+0,000		189,040	188,092	0,948	3,500	188,935	-3,00	5,000	188,890			
		5,000	188,646	3,500	188,691	-3,00	1531+0,000		188,796	187,664	1,132	3,500	188,691	-3,00	5,000	188,646			
		5,000	188,291	3,500	188,336	-3,00	1532+0,000		188,441	187,219	1,222	3,500	188,336	-3,00	5,000	188,291			
		5,000	187,828	3,500	187,873	-3,00	1533+0,000		187,978	186,712	1,266	3,500	187,873	-3,00	5,000	187,828			
		5,000	187,255	3,500	187,300	-3,00	1534+0,000		187,405	186,344	1,061	3,500	187,300	-3,00	5,000	187,255			
		5,000	186,656	3,500	186,701	-3,00	1534+17,738	PTV	186,806	186,078	0,728	3,500	186,701	-3,00	5,000	186,656			
		5,000	186,574	3,500	186,619	-3,00	1535+0,000		186,724	186,044	0,680	3,500	186,619	-3,00	5,000	186,574			
		5,000	185,850	3,500	185,895	-3,00	1536+0,000		186,000	185,135	0,865	3,500	185,895	-3,00	5,000	185,850			



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Nota de Serviço de Pavimento Acabado																
Rodovia : MT-339/248																
Lado Esquerdo								Lado Direito								
Offset	Bordo Acostamento		Bordo Semi-Pista		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Semi-Pista		Bordo Acostamento		Offset	
	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)							Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
	6,434	168,479	4,934	168,524	-3,00	1595+10,000		168,672	165,284	3,388	4,934	168,524	-3,00	6,434	168,479	
			5,934	168,530	4,434	1596+0,000		168,708	165,043	3,665	4,434	168,575	-3,00	5,934	168,530	
			5,434	168,573	3,934	1596+10,000		168,736	165,040	3,696	3,934	168,618	-3,00	5,434	168,573	
			5,000	168,603	3,500	1596+18,678		168,753	165,037	3,716	3,500	168,648	-3,00	5,000	168,603	
			5,000	168,605	3,500	1597+0,000		168,755	165,036	3,719	3,500	168,650	-3,00	5,000	168,605	
			5,000	168,615	3,500	1597+15,120	PTV	168,765	165,559	3,206	3,500	168,660	-3,00	5,000	168,615	
			5,000	168,615	3,500	1598+0,000		168,765	165,312	3,453	3,500	168,660	-3,00	5,000	168,615	
			5,000	168,615	3,500	1599+0,000		168,765	164,860	3,905	3,500	168,660	-3,00	5,000	168,615	
			5,000	168,615	3,500	1599+5,120		168,765	165,266	3,499	3,500	168,660	-3,00	5,000	168,615	
PONTE SOBRE O CÓRREGO JACU QUEIMADO																
	5,000	168,615	3,500	168,660	-3,00	1600+15,120		168,765	164,577	4,188	3,500	168,660	-3,00	5,000	168,615	
	5,000	168,615	3,500	168,660	-3,00	1601+0,000		168,765	164,084	4,681	3,500	168,660	-3,00	5,000	168,615	
	5,000	168,615	3,500	168,660	-3,00	1602+0,000		168,765	164,948	3,817	3,500	168,660	-3,00	5,000	168,615	
	5,000	168,615	3,500	168,660	-3,00	1602+5,120	PCV	168,765	165,014	3,751	3,500	168,660	-3,00	5,000	168,615	
	5,000	168,626	3,500	168,671	-3,00	1603+0,000		168,776	165,353	3,423	3,500	168,671	-3,00	5,000	168,626	
	5,000	168,673	3,500	168,718	-3,00	1604+0,000		168,823	165,844	2,979	3,500	168,718	-3,00	5,000	168,673	
	5,000	168,758	3,500	168,803	-3,00	1605+0,000		168,908	166,414	2,494	3,500	168,803	-3,00	5,000	168,758	
	5,000	168,882	3,500	168,927	-3,00	1606+0,000		169,032	166,668	2,364	3,500	168,927	-3,00	5,000	168,882	
	5,000	169,043	3,500	169,088	-3,00	1607+0,000		169,193	166,846	2,347	3,500	169,088	-3,00	5,000	169,043	
	5,000	169,242	3,500	169,287	-3,00	1608+0,000		169,392	167,333	2,059	3,500	169,287	-3,00	5,000	169,242	
	5,000	169,480	3,500	169,525	-3,00	1609+0,000		169,630	167,739	1,891	3,500	169,525	-3,00	5,000	169,480	
	5,000	169,756	3,500	169,801	-3,00	1610+0,000		169,906	168,131	1,775	3,500	169,801	-3,00	5,000	169,756	
	5,000	170,069	3,500	170,114	-3,00	1611+0,000		170,219	168,651	1,568	3,500	170,114	-3,00	5,000	170,069	
	5,000	170,421	3,500	170,466	-3,00	1612+0,000		170,571	169,229	1,342	3,500	170,466	-3,00	5,000	170,421	
	5,000	170,517	3,500	170,562	-3,00	1612+5,120	PTV	170,667	169,343	1,324	3,500	170,562	-3,00	5,000	170,517	
	5,000	170,800	3,500	170,845	-3,00	1613+0,000		170,950	169,665	1,285	3,500	170,845	-3,00	5,000	170,800	
	5,000	171,180	3,500	171,225	-3,00	1614+0,000		171,330	170,133	1,197	3,500	171,225	-3,00	5,000	171,180	
	5,000	171,561	3,500	171,606	-3,00	1615+0,000		171,711	170,486	1,225	3,500	171,606	-3,00	5,000	171,561	



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento					Bordo Semi-Pista					Bordo Semi-Pista					Bordo Acostamento				
Offset									Estaca					Cota Projeto					Offset
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Incl. (%)			Alast. (m)	Cota (m)	Incl. (%)		Alast. (m)	Cota (m)	Incl. (%)		Alast. (m)	Cota (m)
		5,000	171,941	-3,00	3,500	171,986	-3,00	1616+0,000		3,500	171,986	-3,00	1,262	172,091	3,500	171,986	-3,00	5,000	171,941
		5,000	172,321	-3,00	3,500	172,366	-3,00	1617+0,000		3,500	172,366	-3,00	1,104	172,471	3,500	172,366	-3,00	5,000	172,321
		5,000	172,702	-3,00	3,500	172,747	-3,00	1618+0,000		3,500	172,747	-3,00	1,082	172,852	3,500	172,747	-3,00	5,000	172,702
		5,000	172,852	-3,00	3,500	172,897	-3,00	1618+7,907	PCV	3,500	172,897	-3,00	1,059	173,002	3,500	172,897	-3,00	5,000	172,852
		5,000	173,102	-3,00	3,500	173,147	-3,00	1619+0,000		3,500	173,147	-3,00	1,049	173,252	3,500	173,147	-3,00	5,000	173,102
		5,000	173,601	-3,00	3,500	173,646	-3,00	1620+0,000		3,500	173,646	-3,00	0,976	173,751	3,500	173,646	-3,00	5,000	173,601
		5,000	174,209	-3,00	3,500	174,254	-3,00	1621+0,000		3,500	174,254	-3,00	0,909	174,359	3,500	174,254	-3,00	5,000	174,209
		5,000	174,925	-3,00	3,500	174,970	-3,00	1622+0,000		3,500	174,970	-3,00	0,933	175,075	3,500	174,970	-3,00	5,000	174,925
		5,000	175,748	-3,00	3,500	175,793	-3,00	1623+0,000		3,500	175,793	-3,00	0,996	175,898	3,500	175,793	-3,00	5,000	175,748
		5,000	176,679	-3,00	3,500	176,724	-3,00	1624+0,000		3,500	176,724	-3,00	0,993	176,829	3,500	176,724	-3,00	5,000	176,679
		5,000	177,719	-3,00	3,500	177,764	-3,00	1625+0,000		3,500	177,764	-3,00	0,972	177,869	3,500	177,764	-3,00	5,000	177,719
		5,000	178,866	-3,00	3,500	178,911	-3,00	1626+0,000		3,500	178,911	-3,00	0,929	179,016	3,500	178,911	-3,00	5,000	178,866
		5,000	180,121	-3,00	3,500	180,166	-3,00	1627+0,000		3,500	180,166	-3,00	0,911	180,271	3,500	180,166	-3,00	5,000	180,121
		5,000	181,485	-3,00	3,500	181,530	-3,00	1628+0,000		3,500	181,530	-3,00	0,947	181,635	3,500	181,530	-3,00	5,000	181,485
		5,000	182,053	-3,00	3,500	182,098	-3,00	1628+7,907	PTV	3,500	182,098	-3,00	0,990	182,203	3,500	182,098	-3,00	5,000	182,053
		5,000	182,936	-3,00	3,500	182,981	-3,00	1629+0,000		3,500	182,981	-3,00	1,021	183,086	3,500	182,981	-3,00	5,000	182,936
		5,000	183,963	-3,00	3,500	183,008	-3,00	1629+0,372		3,500	183,008	-3,00	1,021	183,113	3,500	183,008	-3,00	5,000	182,963
		5,000	184,396	-3,00	3,500	184,441	-3,00	1630+0,000		3,500	184,441	-3,00	1,045	184,546	3,500	184,441	-3,00	5,000	184,396
		5,000	185,856	-3,00	3,500	185,901	-3,00	1631+0,000		3,500	185,901	-3,00	1,040	186,006	3,500	185,901	-3,00	5,000	185,856
		5,000	187,316	-3,00	3,500	187,361	-3,00	1632+0,000		3,500	187,361	-3,00	1,118	187,466	3,500	187,361	-3,00	5,000	187,316
		5,000	188,776	-3,00	3,500	188,821	-3,00	1633+0,000		3,500	188,821	-3,00	1,093	188,926	3,500	188,821	-3,00	5,000	188,776
		5,000	190,236	-3,00	3,500	190,281	-3,00	1634+0,000		3,500	190,281	-3,00	0,978	190,386	3,500	190,281	-3,00	5,000	190,236
		5,000	191,696	-3,00	3,500	191,741	-3,00	1635+0,000		3,500	191,741	-3,00	0,673	191,846	3,500	191,741	-3,00	5,000	191,696
		5,000	193,155	-3,00	3,500	193,200	-3,00	1636+0,000		3,500	193,200	-3,00	0,686	193,305	3,500	193,200	-3,00	5,000	193,155
		5,000	194,615	-3,00	3,500	194,660	-3,00	1637+0,000		3,500	194,660	-3,00	0,528	194,765	3,500	194,660	-3,00	5,000	194,615
		5,000	196,075	-3,00	3,500	196,120	-3,00	1638+0,000		3,500	196,120	-3,00	0,407	196,225	3,500	196,120	-3,00	5,000	196,075
		5,000	197,481	-3,00	3,500	197,526	-3,00	1638+19,257	PCV	3,500	197,526	-3,00	0,241	197,631	3,500	197,526	-3,00	5,000	197,481
		5,000	197,535	-3,00	3,500	197,580	-3,00	1639+0,000		3,500	197,580	-3,00	0,251	197,685	3,500	197,580	-3,00	5,000	197,535



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Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento					Bordo Semi-Pista					Bordo Semi-Pista					Bordo Acostamento				
Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Offset
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Incl. (%)														
		5,000	208,720	3,500	208,765	-3,00		208,870	207,832	1,038	3,500	208,765	-3,00	5,000	208,720	5,000	208,720		
		5,000	208,669	3,500	208,714	-3,00		208,819	207,787	1,032	3,500	208,714	-3,00	5,000	208,669	5,000	208,669		
		5,000	208,618	3,500	208,659	-3,00		208,769	207,748	1,016	3,500	208,659	-3,00	5,000	208,618	5,000	208,618		
		5,000	208,567	3,500	208,608	-0,51		208,727	207,709	0,979	3,500	208,608	-3,00	5,000	208,567	5,000	208,567		
		5,000	208,516	3,500	208,557	0,00		208,709	207,729	0,980	3,500	208,557	-3,00	5,000	208,516	5,000	208,516		
		5,000	208,465	3,500	208,506	2,82		208,594	207,549	1,045	3,500	208,506	-3,00	5,000	208,465	5,000	208,465		
		5,000	208,414	3,500	208,455	3,00		208,585	207,540	1,045	3,500	208,455	-3,00	5,000	208,414	5,000	208,414		
		5,000	208,363	3,500	208,404	4,00	SC	208,537	207,491	1,046	3,500	208,404	-4,00	5,000	208,363	5,000	208,363		
		5,000	208,312	3,500	208,353	4,00		208,420	207,404	1,016	3,500	208,353	-4,00	5,000	208,312	5,000	208,312		
		5,000	208,261	3,500	208,302	4,00		208,205	207,232	0,973	3,500	208,302	-4,00	5,000	208,261	5,000	208,261		
		5,000	208,210	3,500	208,251	4,00		207,950	206,969	0,981	3,500	208,251	-4,00	5,000	208,210	5,000	208,210		
		5,000	208,159	3,500	208,199	4,00		207,854	206,709	0,945	3,500	208,199	-4,00	5,000	208,159	5,000	208,159		
		5,000	208,108	3,500	208,148	4,00		207,758	206,534	0,982	3,500	208,148	-4,00	5,000	208,108	5,000	208,108		
		5,000	208,057	3,500	208,097	4,00	PTV	207,516	206,534	0,982	3,500	208,097	-4,00	5,000	208,057	5,000	208,057		
		5,000	208,006	3,500	208,046	4,00		207,324	206,383	0,941	3,500	208,046	-4,00	5,000	208,006	5,000	208,006		
		5,000	207,955	3,500	208,000	4,00		206,990	206,238	0,752	3,500	208,000	-4,00	5,000	207,955	5,000	207,955		
		5,000	207,904	3,500	207,949	4,00		206,719	205,905	0,814	3,500	207,949	-4,00	5,000	207,904	5,000	207,904		
		5,000	207,853	3,500	207,898	4,00		206,656	205,822	0,834	3,500	207,898	-4,00	5,000	207,853	5,000	207,853		
		5,000	207,802	3,500	207,847	4,00		206,322	205,458	0,864	3,500	207,847	-4,00	5,000	207,802	5,000	207,802		
		5,000	207,751	3,500	207,796	4,00		205,988	204,986	1,002	3,500	207,796	-4,00	5,000	207,751	5,000	207,751		
		5,000	207,700	3,500	207,745	4,00		205,654	204,546	1,108	3,500	207,745	-4,00	5,000	207,700	5,000	207,700		
		5,000	207,649	3,500	207,694	4,00		205,320	204,249	1,071	3,500	207,694	-4,00	5,000	207,649	5,000	207,649		
		5,000	207,598	3,500	207,643	4,00		204,986	203,886	1,100	3,500	207,643	-4,00	5,000	207,598	5,000	207,598		
		5,000	207,547	3,500	207,592	4,00		204,652	203,749	0,903	3,500	207,592	-4,00	5,000	207,547	5,000	207,547		
		5,000	207,496	3,500	207,541	4,00	CS	204,318	203,669	0,894	3,500	207,541	-4,00	5,000	207,496	5,000	207,496		
		5,000	207,445	3,500	207,490	3,04		204,066	203,496	0,970	3,500	207,490	-3,04	5,000	207,445	5,000	207,445		
		5,000	207,394	3,500	207,439	3,00	PCV	204,462	203,489	0,973	3,500	207,439	-3,00	5,000	207,394	5,000	207,394		
		5,000	207,343	3,500	207,388	1,56		204,317	203,311	1,006	3,500	207,388	-3,00	5,000	207,343	5,000	207,343		
		5,000	207,292	3,500	207,337	0,00		204,155	203,139	1,016	3,500	207,337	-3,00	5,000	207,292	5,000	207,292		
		5,000	207,241	3,500	207,286	0,00		204,066	203,139	1,016	3,500	207,286	-3,00	5,000	207,241	5,000	207,241		



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Nota de Serviço de Pavimento Acabado																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento										Bordo Acostamento									
Bordo Semi-Pista										Bordo Semi-Pista									
Bordo Pista										Bordo Pista									
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
5,000	178,374	3,500	178,419	3,500	178,419	-3,00	1968+0,000			178,524	177,353	1,171	3,500	178,419	-3,00	5,000	178,374		
5,000	178,164	3,500	178,209	3,500	178,209	-3,00	1969+0,000			178,314	177,068	1,246	3,500	178,209	-3,00	5,000	178,164		
5,000	177,947	3,500	177,992	3,500	177,992	-3,00	1970+0,000			178,097	176,906	1,191	3,500	177,992	-3,00	5,000	177,947		
5,000	177,724	3,500	177,769	3,500	177,769	-3,00	1971+0,000			177,874	176,855	1,019	3,500	177,769	-3,00	5,000	177,724		
5,000	177,495	3,500	177,540	3,500	177,540	-3,00	1972+0,000			177,645	176,501	1,144	3,500	177,540	-3,00	5,000	177,495		
5,000	177,260	3,500	177,305	3,500	177,305	-3,00	1973+0,000			177,410	176,375	1,035	3,500	177,305	-3,00	5,000	177,260		
5,000	177,018	3,500	177,063	3,500	177,063	-3,00	1974+0,000			177,168	176,140	1,028	3,500	177,063	-3,00	5,000	177,018		
5,000	176,770	3,500	176,815	3,500	176,815	-3,00	1975+0,000			176,920	175,946	0,974	3,500	176,815	-3,00	5,000	176,770		
5,000	176,516	3,500	176,561	3,500	176,561	-3,00	1976+0,000			176,666	175,750	0,916	3,500	176,561	-3,00	5,000	176,516		
5,000	176,255	3,500	176,300	3,500	176,300	-3,00	1977+0,000			176,405	175,488	0,917	3,500	176,300	-3,00	5,000	176,255		
5,000	175,988	3,500	176,033	3,500	176,033	-3,00	1978+0,000			176,138	175,217	0,921	3,500	176,033	-3,00	5,000	175,988		
5,000	175,985	3,500	176,030	3,500	176,030	-3,00	1978+0,202		PTV	176,135	175,214	0,921	3,500	176,030	-3,00	5,000	175,985		
5,000	175,718	3,500	175,763	3,500	175,763	-3,00	1979+0,000			175,868	174,938	0,930	3,500	175,763	-3,00	5,000	175,718		
5,000	175,448	3,500	175,493	3,500	175,493	-3,00	1980+0,000			175,598	174,530	1,068	3,500	175,493	-3,00	5,000	175,448		
5,000	175,178	3,500	175,223	3,500	175,223	-3,00	1981+0,000			175,328	174,220	1,108	3,500	175,223	-3,00	5,000	175,178		
5,000	174,907	3,500	174,952	3,500	174,952	-3,00	1982+0,000			175,057	173,996	1,061	3,500	174,952	-3,00	5,000	174,907		
5,000	174,637	3,500	174,682	3,500	174,682	-3,00	1983+0,000			174,787	173,747	1,040	3,500	174,682	-3,00	5,000	174,637		
5,000	174,367	3,500	174,412	3,500	174,412	-3,00	1984+0,000			174,517	173,571	0,946	3,500	174,412	-3,00	5,000	174,367		
5,000	174,097	3,500	174,142	3,500	174,142	-3,00	1985+0,000			174,247	173,403	0,844	3,500	174,142	-3,00	5,000	174,097		
5,000	173,827	3,500	173,872	3,500	173,872	-3,00	1986+0,000			173,977	173,201	1,076	3,500	173,872	-3,00	5,000	173,827		
5,000	173,557	3,500	173,602	3,500	173,602	-3,00	1987+0,000			173,707	172,973	1,134	3,500	173,602	-3,00	5,000	173,557		
5,000	173,286	3,500	173,331	3,500	173,331	-3,00	1988+0,000			173,436	172,355	1,081	3,500	173,331	-3,00	5,000	173,286		
5,000	173,016	3,500	173,061	3,500	173,061	-3,00	1989+0,000			173,166	172,042	1,124	3,500	173,061	-3,00	5,000	173,016		
5,000	172,746	3,500	172,791	3,500	172,791	-3,00	1990+0,000			172,896	171,647	1,249	3,500	172,791	-3,00	5,000	172,746		
5,000	172,476	3,500	172,521	3,500	172,521	-3,00	1991+0,000			172,626	171,316	1,310	3,500	172,521	-3,00	5,000	172,476		
5,000	172,206	3,500	172,251	3,500	172,251	-3,00	1992+0,000			172,356	171,105	1,251	3,500	172,251	-3,00	5,000	172,206		
5,000	171,935	3,500	171,980	3,500	171,980	-3,00	1993+0,000			172,085	171,014	1,071	3,500	171,980	-3,00	5,000	171,935		
5,000	171,665	3,500	171,710	3,500	171,710	-3,00	1994+0,000			171,815	170,845	0,970	3,500	171,710	-3,00	5,000	171,665		



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SIGA

Nota de Serviço de Pavimento Acabado																			
Rodovia : MT-339/248																			
Lado Esquerdo										Lado Direito									
Offset		Bordo Acostamento				Bordo Semi-Pista		Eixo		Bordo Semi-Pista		Bordo Acostamento		Offset					
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Incl. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Alast. (m)	Cota (m)
		5,000	165,328	3,500	165,253	5,00	2018+0,000			165,078	163,704	1,374	3,500	164,903	-5,00	5,000	164,828		
		5,000	165,007	3,500	164,932	5,00	2019+0,000			164,757	163,249	1,508	3,500	164,582	-5,00	5,000	164,507		
		5,000	164,686	3,500	164,611	5,00	2020+0,000			164,436	162,913	1,523	3,500	164,261	-5,00	5,000	164,186		
		5,000	164,365	3,500	164,290	5,00	2021+0,000			164,115	162,599	1,516	3,500	163,940	-5,00	5,000	163,865		
		5,000	164,156	3,500	164,081	5,00	2021+13,059			163,906	162,415	1,491	3,500	163,731	-5,00	5,000	163,656		
		5,000	164,045	3,500	163,970	5,00	2022+0,000			163,795	162,425	1,370	3,500	163,620	-5,00	5,000	163,545		
		5,000	163,724	3,500	163,649	5,00	2023+0,000			163,474	161,863	1,611	3,500	163,299	-5,00	5,000	163,224		
		5,000	163,403	3,500	163,328	5,00	2024+0,000			163,153	161,268	1,885	3,500	162,978	-5,00	5,000	162,903		
		5,000	163,266	3,500	163,191	5,00	2024+8,550	PCV		163,016	161,070	1,946	3,500	162,841	-5,00	5,000	162,766		
		5,000	163,093	3,500	163,018	5,00	2025+0,000			162,843	160,685	2,158	3,500	162,668	-5,00	5,000	162,593		
		5,000	162,964	3,500	162,889	5,00	2025+9,627	CS		162,714	160,590	2,124	3,500	162,539	-5,00	5,000	162,464		
		5,000	162,755	3,500	162,705	3,27	2026+0,000			162,591	160,315	2,276	3,500	162,477	-3,27	5,000	162,428		
		5,000	162,723	3,500	162,678	3,00	2026+1,627			162,573	160,272	2,301	3,500	162,468	-3,00	5,000	162,423		
		5,000	162,406	3,500	162,406	0,00	2026+19,627			162,406	159,711	2,695	3,500	162,301	-3,00	5,000	162,256		
		5,000	162,400	3,500	162,401	-0,06	2027+0,000			162,403	159,700	2,703	3,500	162,298	-3,00	5,000	162,253		
		5,000	162,141	3,500	162,186	-3,00	2027+17,627			162,291	159,188	3,103	3,500	162,186	-3,00	5,000	162,141		
		5,000	162,129	3,500	162,174	-3,00	2028+0,000			162,279	159,173	3,106	3,500	162,174	-3,00	5,000	162,129		
		5,000	162,093	3,500	162,138	-3,00	2028+9,627	ST		162,243	158,920	3,323	3,500	162,138	-3,00	5,000	162,093		
		5,000	162,070	3,500	162,115	-3,00	2029+0,000			162,220	158,854	3,366	3,500	162,115	-3,00	5,000	162,070		
		5,000	162,064	3,500	162,109	-3,00	2029+8,550			162,214	158,672	3,542	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2030+0,000			162,214	158,444	3,770	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2030+18,550			162,214	157,688	4,526	3,500	162,109	-3,00	5,000	162,064		
PONTE SOBRE O RIO BRANCO																			
		5,000	162,064	3,500	162,109	-3,00	2035+8,550			162,214	158,205	4,009	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2036+0,000			162,214	158,536	3,678	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2036+12,633	TS		162,214	158,835	3,379	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2036+16,820			162,214	158,918	3,296	3,500	162,109	-3,00	5,000	162,064		
		5,000	162,064	3,500	162,109	-3,00	2036+18,550	PCV		162,214	158,876	3,338	3,500	162,119	-2,71	5,000	162,079		



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Nota de Serviço de Pavimento Acabado																			
Lado Esquerdo										Lado Direito									
Bordo Acostamento										Bordo Acostamento									
Bordo Semi-Pista										Bordo Semi-Pista									
Offset	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Incl. (%)	Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)	Offset	Alast. (m)	Cota (m)
Alast. (m)	Cota (m)	Alast. (m)	Cota (m)	Alast. (m)	Incl. (%)							Alast. (m)	Cota (m)	Incl. (%)	Alast. (m)	Cota (m)		Alast. (m)	Cota (m)
		5,000	190,359	3,500	190,404	-3,00	2098+0,000		190,509	189,319	1,190	3,500	190,404	-3,00	5,000	190,359			
		5,000	191,325	3,500	191,370	-3,00	2099+0,000		191,475	190,550	0,925	3,500	191,370	-3,00	5,000	191,325			
		5,000	192,291	3,500	192,336	-3,00	2100+0,000		192,441	191,378	1,063	3,500	192,336	-3,00	5,000	192,291			
		5,000	193,257	3,500	193,302	-3,00	2101+0,000		193,407	192,317	1,090	3,500	193,302	-3,00	5,000	193,257			
		5,000	193,530	3,500	193,575	-3,00	2101+5,640	PCV	193,680	192,901	0,779	3,500	193,575	-3,00	5,000	193,530			
		5,000	194,205	3,500	194,250	-3,00	2102+0,000		194,355	193,557	0,798	3,500	194,250	-3,00	5,000	194,205			
		5,000	195,081	3,500	195,126	-3,00	2103+0,000		195,231	194,482	0,749	3,500	195,126	-3,00	5,000	195,081			
		5,000	195,884	3,500	195,929	-3,00	2104+0,000		196,034	195,396	0,638	3,500	195,929	-3,00	5,000	195,884			
		5,000	196,613	3,500	196,658	-3,00	2105+0,000		196,763	196,037	0,726	3,500	196,658	-3,00	5,000	196,613			
		5,000	197,268	3,500	197,313	-3,00	2106+0,000		197,418	196,564	0,854	3,500	197,313	-3,00	5,000	197,268			
		5,000	197,850	3,500	197,895	-3,00	2107+0,000		198,000	197,058	0,942	3,500	197,895	-3,00	5,000	197,850			
		5,000	198,358	3,500	198,403	-3,00	2108+0,000		198,508	197,473	1,035	3,500	198,403	-3,00	5,000	198,358			
		5,000	198,792	3,500	198,837	-3,00	2109+0,000		198,942	197,914	1,028	3,500	198,837	-3,00	5,000	198,792			
		5,000	199,152	3,500	199,197	-3,00	2110+0,000		199,302	198,344	0,958	3,500	199,197	-3,00	5,000	199,152			
		5,000	199,439	3,500	199,484	-3,00	2111+0,000		199,589	198,581	1,008	3,500	199,484	-3,00	5,000	199,439			
		5,000	199,652	3,500	199,697	-3,00	2112+0,000		199,802	198,720	1,082	3,500	199,697	-3,00	5,000	199,652			
		5,000	199,792	3,500	199,837	-3,00	2113+0,000		199,942	198,875	1,067	3,500	199,837	-3,00	5,000	199,792			
		5,000	199,857	3,500	199,902	-3,00	2114+0,000		200,007	198,929	1,078	3,500	199,902	-3,00	5,000	199,857			
		5,000	199,862	3,500	199,907	-3,00	2114+5,640	PTV	200,012	198,990	1,022	3,500	199,907	-3,00	5,000	199,862			
		5,000	199,868	3,500	199,913	-3,00	2115+0,000		200,018	199,100	0,918	3,500	199,913	-3,00	5,000	199,868			
		5,000	199,876	3,500	199,921	-3,00	2116+0,000		200,026	199,251	0,775	3,500	199,921	-3,00	5,000	199,876			
		5,000	199,884	3,500	199,929	-3,00	2117+0,000		200,034	199,372	0,662	3,500	199,929	-3,00	5,000	199,884			
		5,000	199,892	3,500	199,937	-3,00	2118+0,000		200,042	199,486	0,556	3,500	199,937	-3,00	5,000	199,892			
		5,000	199,900	3,500	199,945	-3,00	2119+0,000		200,050	199,734	0,316	3,500	199,945	-3,00	5,000	199,900			
		5,000	199,908	3,500	199,953	-3,00	2120+0,000		200,058	199,813	0,245	3,500	199,953	-3,00	5,000	199,908			
		5,000	199,916	3,500	199,961	-3,00	2121+0,000		200,066	199,886	0,180	3,500	199,961	-3,00	5,000	199,916			
		5,000	199,924	3,500	199,969	-3,00	2122+0,000		200,074	199,942	0,132	3,500	199,969	-3,00	5,000	199,924			
		5,000	199,932	3,500	199,977	-3,00	2123+0,000		200,082	199,975	0,107	3,500	199,977	-3,00	5,000	199,932			



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Nota de Serviço de Pavimento Acabado																		
Rodovia : MT-339/248																		
Lado Esquerdo					Eixo					Lado Direito								
Offset		Bordo Acostamento		Bordo Semi-Pista Pavimento Existente			Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Pavimento Existente	Cota Terreno	Cota Vermelha	Bordo Semi-Pista Pavimento Existente		Bordo Acostamento		Offset	
				Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)
ACESSO ENTR. MT-339,248 / MT-170 (ALARGAMENTO DA PISTA PAVIMENTADA)																		
				3,500	196,233	-3,00	0+0.000			196,338			3,500	196,233	-3,00			
				3,500	196,500	-3,00	0+9.971			196,605			3,500	196,500	-3,00			
		3,874	196,757	3,500	196,768	-3,00	1+0.000			196,873			3,500	196,768	-3,00			
		3,984	196,791	3,500	196,806	-3,00	1+1.437			196,911			3,500	196,806	-3,00			
		5,417	197,244	3,500	197,302	-3,00	2+0.000			197,407			3,500	197,302	-3,00	4,532	197,271	
		5,508	197,274	3,500	197,334	-3,00	2+1.188	PCV		197,439			3,500	197,334	-3,00	4,623	197,300	
		6,959	197,721	3,500	197,825	-3,00	3+0.000			197,930			3,500	197,825	-3,00	6,074	197,748	
		8,500	198,170	3,500	198,320	-3,00	3+19.971			198,425			3,500	198,320	-3,00	7,615	198,197	
		8,500	198,171	3,500	198,321	-3,00	4+0.000			198,426			3,500	198,321	-3,00	7,617	198,197	
		8,500	198,442	3,500	198,592	-3,00	4+11.442			198,697			3,500	198,592	-3,00	8,500	198,442	
		8,500	198,639	3,500	198,789	-3,00	5+0.000			198,894			3,500	198,789	-3,00	8,500	198,639	
		8,500	199,081	3,500	199,231	-3,00	6+0.000			199,336			3,500	199,231	-3,00	8,500	199,081	
		8,500	199,322	3,500	199,472	-3,00	6+11.471			199,577			3,500	199,472	-3,00	8,500	199,322	
		8,500	199,496	3,500	199,646	-3,00	7+0.000			199,751			3,500	199,646	-3,00	8,500	199,496	
		8,500	199,693	3,500	199,843	-3,00	7+10.000			199,948			3,500	199,843	-3,00	8,500	199,693	
		8,500	199,884	3,500	200,034	-3,00	8+0.000			200,139			3,500	200,034	-3,00	8,500	199,884	
		8,500	199,906	3,500	200,056	-3,00	8+1.188	PTV		200,161			3,500	200,056	-3,00	8,500	199,906	
		8,500	200,107	3,500	200,257	-3,00	8+11.992			200,362			3,500	200,257	-3,00	8,500	200,107	
		8,500	200,257	3,500	200,407	-3,00	9+0.000			200,512			3,500	200,407	-3,00	8,500	200,257	
		8,500	200,629	3,500	200,779	-3,00	10+0.000			200,884			3,500	200,779	-3,00	8,500	200,629	
		8,500	200,853	3,500	201,003	-3,00	10+12.021			201,108			3,500	201,003	-3,00	8,500	200,853	
		7,884	201,020	3,500	201,152	-3,00	11+0.000			201,257			3,500	201,152	-3,00	8,500	201,002	
		6,342	201,440	3,500	201,525	-3,00	12+0.000			201,630			3,500	201,525	-3,00	8,500	201,375	
		4,799	201,859	3,500	201,898	-3,00	13+0.000			202,003			3,500	201,898	-3,00	8,500	201,748	
		4,618	201,907	3,500	201,941	-3,00	13+2.343			202,046			3,500	201,941	-3,00	8,500	201,791	



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Rodovia : MT-339/248

Lado Esquerdo						Eixo				Lado Direito								
Offset		Bordo Acostamento		Bordo Semi-Pista Pavimento Existente		Estaca	Pontos Notáveis Horizontal	Pontos Notáveis Vertical	Cota Pavimento Existente	Cota Terreno	Cota Vermelha	Bordo Semi-Pista Pavimento Existente			Bordo Acostamento		Offset	
		Afast. (m)	Cota (m)	Afast. (m)	Cota (m)							Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)
				3.500	202,271	-3,00	14+0.000		202,376			3.500	202,271	-3,00	7.138	202,162		
				3.500	202,308	-3,00	14+2.021		202,413			3.500	202,308	-3,00	6.982	202,204		
				3.500	202,643	-3,00	15+0.000		202,748			3.500	202,643	-3,00	5.995	202,580		
				3.500	203,016	-3,00	16+0.000		203,121			3.500	203,016	-3,00	4.052	202,999		
				3.500	203,246	-3,00	16+12.343		203,351			3.500	203,246	-3,00				
				3.500	203,389	-3,00	17+0.000		203,494			3.500	203,389	-3,00				
				3.500	203,432	-3,00	17+2.314		203,537			3.500	203,432	-3,00				

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7.0 - COORDENADAS DO EIXO LOCADO



Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000	8.273.114,507	373.728,046
1+0,000	8.273.134,497	373.728,679
2+0,000	8.273.154,487	373.729,313
3+0,000	8.273.174,477	373.729,946
4+0,000	8.273.194,467	373.730,579
5+0,000	8.273.214,457	373.731,213
6+0,000	8.273.234,447	373.731,846
7+0,000	8.273.254,437	373.732,480
8+0,000	8.273.274,427	373.733,113
9+0,000	8.273.294,417	373.733,746
10+0,000	8.273.314,407	373.734,380
11+0,000	8.273.334,397	373.735,013
12+0,000	8.273.354,387	373.735,646
13+0,000	8.273.374,377	373.736,280
14+0,000	8.273.394,367	373.736,913
15+0,000	8.273.414,357	373.737,546
16+0,000	8.273.434,347	373.738,180
17+0,000	8.273.454,337	373.738,813
18+0,000	8.273.474,327	373.739,446
19+0,000	8.273.494,317	373.740,080
20+0,000	8.273.514,307	373.740,713
21+0,000	8.273.534,297	373.741,346
22+0,000	8.273.554,287	373.741,980
23+0,000	8.273.574,277	373.742,613
24+0,000	8.273.594,267	373.743,246
25+0,000	8.273.614,257	373.743,880
26+0,000	8.273.634,247	373.744,513
27+0,000	8.273.654,237	373.745,146
28+0,000	8.273.674,227	373.745,780
29+0,000	8.273.694,216	373.746,413
30+0,000	8.273.714,206	373.747,046
30+11,750 PC	8.273.725,950	373.747,418
31+0,000	8.273.734,197	373.747,673
32+0,000	8.273.754,189	373.748,233
33+0,000	8.273.774,183	373.748,714
34+0,000	8.273.794,179	373.749,114
34+12,615 PT	8.273.806,792	373.749,326
35+0,000	8.273.814,176	373.749,440
36+0,000	8.273.834,174	373.749,750
37+0,000	8.273.854,172	373.750,060
38+0,000	8.273.874,169	373.750,370

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
39+0,000	8.273.894,167	373.750,680
40+0,000	8.273.914,164	373.750,990
41+0,000	8.273.934,162	373.751,300
42+0,000	8.273.954,159	373.751,610
43+0,000	8.273.974,157	373.751,920
44+0,000	8.273.994,155	373.752,230
45+0,000	8.274.014,152	373.752,540
46+0,000	8.274.034,150	373.752,850
47+0,000	8.274.054,147	373.753,160
48+0,000	8.274.074,145	373.753,470
49+0,000	8.274.094,143	373.753,780
50+0,000	8.274.114,140	373.754,090
51+0,000	8.274.134,138	373.754,400
52+0,000	8.274.154,135	373.754,710
53+0,000	8.274.174,133	373.755,020
54+0,000	8.274.194,131	373.755,329
55+0,000	8.274.214,128	373.755,639
56+0,000	8.274.234,126	373.755,949
57+0,000	8.274.254,123	373.756,259
58+0,000	8.274.274,121	373.756,569
59+0,000	8.274.294,119	373.756,879
60+0,000	8.274.314,116	373.757,189
61+0,000	8.274.334,114	373.757,499
62+0,000	8.274.354,111	373.757,809
63+0,000	8.274.374,109	373.758,119
64+0,000	8.274.394,107	373.758,429
65+0,000	8.274.414,104	373.758,739
66+0,000	8.274.434,102	373.759,049
67+0,000	8.274.454,099	373.759,359
68+0,000	8.274.474,097	373.759,669
69+0,000	8.274.494,095	373.759,979
70+0,000	8.274.514,092	373.760,289
71+0,000	8.274.534,090	373.760,599
72+0,000	8.274.554,087	373.760,909
73+0,000	8.274.574,085	373.761,219
74+0,000	8.274.594,083	373.761,529
75+0,000	8.274.614,080	373.761,839
76+0,000	8.274.634,078	373.762,149
77+0,000	8.274.654,075	373.762,459
78+0,000	8.274.674,073	373.762,769
79+0,000	8.274.694,071	373.763,079

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
80+0,000	8.274.714,068	373.763,389
81+0,000	8.274.734,066	373.763,699
82+0,000	8.274.754,063	373.764,009
83+0,000	8.274.774,061	373.764,319
84+0,000	8.274.794,059	373.764,629
85+0,000	8.274.814,056	373.764,939
86+0,000	8.274.834,054	373.765,249
87+0,000	8.274.854,051	373.765,559
88+0,000	8.274.874,049	373.765,869
89+0,000	8.274.894,047	373.766,179
90+0,000	8.274.914,044	373.766,489
91+0,000	8.274.934,042	373.766,799
92+0,000	8.274.954,039	373.767,109
93+0,000	8.274.974,037	373.767,418
94+0,000	8.274.994,035	373.767,728
95+0,000	8.275.014,032	373.768,038
96+0,000	8.275.034,030	373.768,348
97+0,000	8.275.054,027	373.768,658
98+0,000	8.275.074,025	373.768,968
99+0,000	8.275.094,023	373.769,278
100+0,000	8.275.114,020	373.769,588
101+0,000	8.275.134,018	373.769,898
102+0,000	8.275.154,015	373.770,208
103+0,000	8.275.174,013	373.770,518
104+0,000	8.275.194,011	373.770,828
105+0,000	8.275.214,008	373.771,138
106+0,000	8.275.234,006	373.771,448
107+0,000	8.275.254,003	373.771,758
107+19,944 PI	8.275.273,945	373.772,067
108+0,000	8.275.274,001	373.772,068
109+0,000	8.275.293,997	373.772,453
110+0,000	8.275.313,994	373.772,837
111+0,000	8.275.333,990	373.773,222
112+0,000	8.275.353,986	373.773,606
113+0,000	8.275.373,982	373.773,990
114+0,000	8.275.393,979	373.774,375
115+0,000	8.275.413,975	373.774,759
116+0,000	8.275.433,971	373.775,144
117+0,000	8.275.453,968	373.775,528
118+0,000	8.275.473,964	373.775,912
119+0,000	8.275.493,960	373.776,297

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
120+0,000	8.275.513,957	373.776,681
121+0,000	8.275.533,953	373.777,066
122+0,000	8.275.553,949	373.777,450
123+0,000	8.275.573,946	373.777,835
124+0,000	8.275.593,942	373.778,219
125+0,000	8.275.613,938	373.778,603
126+0,000	8.275.633,934	373.778,988
127+0,000	8.275.653,931	373.779,372
128+0,000	8.275.673,927	373.779,757
129+0,000	8.275.693,923	373.780,141
130+0,000	8.275.713,920	373.780,525
131+0,000	8.275.733,916	373.780,910
132+0,000	8.275.753,912	373.781,294
133+0,000	8.275.773,909	373.781,679
134+0,000	8.275.793,905	373.782,063
135+0,000	8.275.813,901	373.782,448
136+0,000	8.275.833,897	373.782,832
137+0,000	8.275.853,894	373.783,216
138+0,000	8.275.873,890	373.783,601
139+0,000	8.275.893,886	373.783,985
140+0,000	8.275.913,883	373.784,370
141+0,000	8.275.933,879	373.784,754
142+0,000	8.275.953,875	373.785,138
143+0,000	8.275.973,872	373.785,523
144+0,000	8.275.993,868	373.785,907
145+0,000	8.276.013,864	373.786,292
146+0,000	8.276.033,861	373.786,676
147+0,000	8.276.053,857	373.787,060
148+0,000	8.276.073,853	373.787,445
149+0,000	8.276.093,849	373.787,829
150+0,000	8.276.113,846	373.788,214
151+0,000	8.276.133,842	373.788,598
152+0,000	8.276.153,838	373.788,983
153+0,000	8.276.173,835	373.789,367
154+0,000	8.276.193,831	373.789,751
155+0,000	8.276.213,827	373.790,136
156+0,000	8.276.233,824	373.790,520
157+0,000	8.276.253,820	373.790,905
158+0,000	8.276.273,816	373.791,289
159+0,000	8.276.293,813	373.791,673
160+0,000	8.276.313,809	373.792,058

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
161+0,000	8.276.333,805	373.792,442
162+0,000	8.276.353,801	373.792,827
163+0,000	8.276.373,798	373.793,211
164+0,000	8.276.393,794	373.793,596
165+0,000	8.276.413,790	373.793,980
166+0,000	8.276.433,787	373.794,364
167+0,000	8.276.453,783	373.794,749
168+0,000	8.276.473,779	373.795,133
169+0,000	8.276.493,776	373.795,518
170+0,000	8.276.513,772	373.795,902
171+0,000	8.276.533,768	373.796,286
172+0,000	8.276.553,764	373.796,671
173+0,000	8.276.573,761	373.797,055
174+0,000	8.276.593,757	373.797,440
175+0,000	8.276.613,753	373.797,824
176+0,000	8.276.633,750	373.798,209
177+0,000	8.276.653,746	373.798,593
178+0,000	8.276.673,742	373.798,977
179+0,000	8.276.693,739	373.799,362
180+0,000	8.276.713,735	373.799,746
181+0,000	8.276.733,731	373.800,131
182+0,000	8.276.753,728	373.800,515
183+0,000	8.276.773,724	373.800,899
184+0,000	8.276.793,720	373.801,284
185+0,000	8.276.813,716	373.801,668
186+0,000	8.276.833,713	373.802,053
187+0,000	8.276.853,709	373.802,437
188+0,000	8.276.873,705	373.802,821
189+0,000	8.276.893,702	373.803,206
190+0,000	8.276.913,698	373.803,590
191+0,000	8.276.933,694	373.803,975
192+0,000	8.276.953,691	373.804,359
193+0,000	8.276.973,687	373.804,744
194+0,000	8.276.993,683	373.805,128
195+0,000	8.277.013,680	373.805,512
196+0,000	8.277.033,676	373.805,897
197+0,000	8.277.053,672	373.806,281
198+0,000	8.277.073,668	373.806,666
199+0,000	8.277.093,665	373.807,050
200+0,000	8.277.113,661	373.807,434
201+0,000	8.277.133,657	373.807,819

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
202+0,000	8.277.153,654	373.808,203
203+0,000	8.277.173,650	373.808,588
204+0,000	8.277.193,646	373.808,972
205+0,000	8.277.213,643	373.809,357
206+0,000	8.277.233,639	373.809,741
207+0,000	8.277.253,635	373.810,125
208+0,000	8.277.273,631	373.810,510
209+0,000	8.277.293,628	373.810,894
209+12,679 PC	8.277.306,304	373.811,138
210+0,000	8.277.313,624	373.811,284
210+17,154 PT	8.277.330,774	373.811,668
211+0,000	8.277.333,619	373.811,737
212+0,000	8.277.353,613	373.812,219
213+0,000	8.277.373,607	373.812,701
214+0,000	8.277.393,601	373.813,184
215+0,000	8.277.413,596	373.813,666
216+0,000	8.277.433,590	373.814,148
217+0,000	8.277.453,584	373.814,631
218+0,000	8.277.473,578	373.815,113
219+0,000	8.277.493,572	373.815,595
220+0,000	8.277.513,566	373.816,077
221+0,000	8.277.533,561	373.816,560
222+0,000	8.277.553,555	373.817,042
223+0,000	8.277.573,549	373.817,524
224+0,000	8.277.593,543	373.818,007
225+0,000	8.277.613,537	373.818,489
226+0,000	8.277.633,532	373.818,971
227+0,000	8.277.653,526	373.819,454
228+0,000	8.277.673,520	373.819,936
229+0,000	8.277.693,514	373.820,418
230+0,000	8.277.713,508	373.820,900
231+0,000	8.277.733,503	373.821,383
232+0,000	8.277.753,497	373.821,865
233+0,000	8.277.773,491	373.822,347
234+0,000	8.277.793,485	373.822,830
235+0,000	8.277.813,479	373.823,312
236+0,000	8.277.833,473	373.823,794
237+0,000	8.277.853,468	373.824,276
238+0,000	8.277.873,462	373.824,759
239+0,000	8.277.893,456	373.825,241
240+0,000	8.277.913,450	373.825,723

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
241+0,000	8.277.933,444	373.826,206
242+0,000	8.277.953,439	373.826,688
243+0,000	8.277.973,433	373.827,170
244+0,000	8.277.993,427	373.827,652
245+0,000	8.278.013,421	373.828,135
246+0,000	8.278.033,415	373.828,617
247+0,000	8.278.053,409	373.829,099
248+0,000	8.278.073,404	373.829,582
249+0,000	8.278.093,398	373.830,064
250+0,000	8.278.113,392	373.830,546
251+0,000	8.278.133,386	373.831,029
252+0,000	8.278.153,380	373.831,511
253+0,000	8.278.173,375	373.831,993
254+0,000	8.278.193,369	373.832,475
255+0,000	8.278.213,363	373.832,958
256+0,000	8.278.233,357	373.833,440
257+0,000	8.278.253,351	373.833,922
258+0,000	8.278.273,345	373.834,405
259+0,000	8.278.293,340	373.834,887
260+0,000	8.278.313,334	373.835,369
261+0,000	8.278.333,328	373.835,851
262+0,000	8.278.353,322	373.836,334
263+0,000	8.278.373,316	373.836,816
264+0,000	8.278.393,311	373.837,298
265+0,000	8.278.413,305	373.837,781
266+0,000	8.278.433,299	373.838,263
267+0,000	8.278.453,293	373.838,745
268+0,000	8.278.473,287	373.839,227
269+0,000	8.278.493,282	373.839,710
270+0,000	8.278.513,276	373.840,192
271+0,000	8.278.533,270	373.840,674
272+0,000	8.278.553,264	373.841,157
273+0,000	8.278.573,258	373.841,639
274+0,000	8.278.593,252	373.842,121
275+0,000	8.278.613,247	373.842,604
276+0,000	8.278.633,241	373.843,086
277+0,000	8.278.653,235	373.843,568
278+0,000	8.278.673,229	373.844,050
279+0,000	8.278.693,223	373.844,533
280+0,000	8.278.713,218	373.845,015
281+0,000	8.278.733,212	373.845,497

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
282+0,000	8.278.753,206	373.845,980
283+0,000	8.278.773,200	373.846,462
284+0,000	8.278.793,194	373.846,944
284+16,322 PC	8.278.809,512	373.847,338
285+0,000	8.278.813,188	373.847,428
286+0,000	8.278.833,181	373.847,979
287+0,000	8.278.853,170	373.848,629
288+0,000	8.278.873,156	373.849,380
289+0,000	8.278.893,138	373.850,230
290+0,000	8.278.913,115	373.851,181
290+8,207 PT	8.278.921,312	373.851,600
291+0,000	8.278.933,089	373.852,214
292+0,000	8.278.953,062	373.853,255
293+0,000	8.278.973,034	373.854,296
294+0,000	8.278.993,007	373.855,338
295+0,000	8.279.012,980	373.856,379
296+0,000	8.279.032,953	373.857,420
297+0,000	8.279.052,926	373.858,461
298+0,000	8.279.072,899	373.859,503
299+0,000	8.279.092,872	373.860,544
300+0,000	8.279.112,845	373.861,585
300+2,509 PC	8.279.115,350	373.861,716
301+0,000	8.279.132,820	373.862,576
302+0,000	8.279.152,802	373.863,434
303+0,000	8.279.172,788	373.864,159
304+0,000	8.279.192,780	373.864,751
305+0,000	8.279.212,774	373.865,209
306+0,000	8.279.232,772	373.865,534
306+5,907 PT	8.279.238,678	373.865,605
307+0,000	8.279.252,770	373.865,759
308+0,000	8.279.272,769	373.865,978
309+0,000	8.279.292,768	373.866,197
310+0,000	8.279.312,767	373.866,416
311+0,000	8.279.332,766	373.866,636
312+0,000	8.279.352,764	373.866,855
313+0,000	8.279.372,763	373.867,074
314+0,000	8.279.392,762	373.867,293
315+0,000	8.279.412,761	373.867,512
316+0,000	8.279.432,760	373.867,731
317+0,000	8.279.452,758	373.867,950
318+0,000	8.279.472,757	373.868,169

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
319+0,000	8.279.492,756	373.868,388
320+0,000	8.279.512,755	373.868,607
321+0,000	8.279.532,754	373.868,827
322+0,000	8.279.552,752	373.869,046
323+0,000	8.279.572,751	373.869,265
324+0,000	8.279.592,750	373.869,484
325+0,000	8.279.612,749	373.869,703
326+0,000	8.279.632,748	373.869,922
327+0,000	8.279.652,746	373.870,141
328+0,000	8.279.672,745	373.870,360
329+0,000	8.279.692,744	373.870,579
330+0,000	8.279.712,743	373.870,799
331+0,000	8.279.732,741	373.871,018
332+0,000	8.279.752,740	373.871,237
333+0,000	8.279.772,739	373.871,456
334+0,000	8.279.792,738	373.871,675
335+0,000	8.279.812,737	373.871,894
336+0,000	8.279.832,735	373.872,113
337+0,000	8.279.852,734	373.872,332
338+0,000	8.279.872,733	373.872,551
339+0,000	8.279.892,732	373.872,770
340+0,000	8.279.912,731	373.872,990
341+0,000	8.279.932,729	373.873,209
342+0,000	8.279.952,728	373.873,428
343+0,000	8.279.972,727	373.873,647
344+0,000	8.279.992,726	373.873,866
345+0,000	8.280.012,725	373.874,085
346+0,000	8.280.032,723	373.874,304
347+0,000	8.280.052,722	373.874,523
347+13,534 PC	8.280.066,256	373.874,672
348+0,000	8.280.072,721	373.874,738
349+0,000	8.280.092,721	373.874,891
349+14,334 PT	8.280.107,054	373.874,952
350+0,000	8.280.112,720	373.874,968
351+0,000	8.280.132,720	373.875,024
352+0,000	8.280.152,720	373.875,080
353+0,000	8.280.172,720	373.875,136
354+0,000	8.280.192,720	373.875,192
355+0,000	8.280.212,720	373.875,247
356+0,000	8.280.232,720	373.875,303
357+0,000	8.280.252,720	373.875,359

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
358+0,000	8.280.272,720	373.875,415
359+0,000	8.280.292,720	373.875,471
360+0,000	8.280.312,720	373.875,527
361+0,000	8.280.332,720	373.875,583
362+0,000	8.280.352,719	373.875,639
363+0,000	8.280.372,719	373.875,695
364+0,000	8.280.392,719	373.875,751
365+0,000	8.280.412,719	373.875,807
366+0,000	8.280.432,719	373.875,862
367+0,000	8.280.452,719	373.875,918
368+0,000	8.280.472,719	373.875,974
369+0,000	8.280.492,719	373.876,030
370+0,000	8.280.512,719	373.876,086
371+0,000	8.280.532,719	373.876,142
372+0,000	8.280.552,719	373.876,198
373+0,000	8.280.572,719	373.876,254
374+0,000	8.280.592,719	373.876,310
375+0,000	8.280.612,718	373.876,366
376+0,000	8.280.632,718	373.876,421
377+0,000	8.280.652,718	373.876,477
378+0,000	8.280.672,718	373.876,533
379+0,000	8.280.692,718	373.876,589
379+1,644 PI	8.280.694,362	373.876,594
380+0,000	8.280.712,718	373.876,617
381+0,000	8.280.732,718	373.876,643
382+0,000	8.280.752,718	373.876,668
383+0,000	8.280.772,718	373.876,693
384+0,000	8.280.792,718	373.876,719
385+0,000	8.280.812,718	373.876,744
386+0,000	8.280.832,718	373.876,770
387+0,000	8.280.852,718	373.876,795
388+0,000	8.280.872,718	373.876,821
389+0,000	8.280.892,718	373.876,846
390+0,000	8.280.912,718	373.876,871
391+0,000	8.280.932,718	373.876,897
392+0,000	8.280.952,718	373.876,922
393+0,000	8.280.972,718	373.876,948
394+0,000	8.280.992,718	373.876,973
395+0,000	8.281.012,718	373.876,998
396+0,000	8.281.032,718	373.877,024
397+0,000	8.281.052,718	373.877,049

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
398+0,000	8.281.072,718	373.877,075
399+0,000	8.281.092,718	373.877,100
400+0,000	8.281.112,718	373.877,126
401+0,000	8.281.132,718	373.877,151
402+0,000	8.281.152,718	373.877,176
403+0,000	8.281.172,718	373.877,202
404+0,000	8.281.192,718	373.877,227
405+0,000	8.281.212,718	373.877,253
406+0,000	8.281.232,718	373.877,278
406+16,667 PC	8.281.249,384	373.877,299
407+0,000	8.281.252,718	373.877,305
408+0,000	8.281.272,717	373.877,383
409+0,000	8.281.292,717	373.877,542
409+0,106 PT	8.281.292,822	373.877,543
410+0,000	8.281.312,716	373.877,741
411+0,000	8.281.332,715	373.877,940
412+0,000	8.281.352,714	373.878,140
413+0,000	8.281.372,713	373.878,339
414+0,000	8.281.392,712	373.878,538
415+0,000	8.281.412,711	373.878,737
416+0,000	8.281.432,710	373.878,936
417+0,000	8.281.452,709	373.879,135
418+0,000	8.281.472,708	373.879,335
419+0,000	8.281.492,707	373.879,534
420+0,000	8.281.512,706	373.879,733
421+0,000	8.281.532,705	373.879,932
422+0,000	8.281.552,704	373.880,131
423+0,000	8.281.572,703	373.880,331
424+0,000	8.281.592,702	373.880,530
425+0,000	8.281.612,701	373.880,729
426+0,000	8.281.632,700	373.880,928
427+0,000	8.281.652,699	373.881,127
428+0,000	8.281.672,698	373.881,326
429+0,000	8.281.692,697	373.881,526
430+0,000	8.281.712,696	373.881,725
431+0,000	8.281.732,695	373.881,924
432+0,000	8.281.752,694	373.882,123
433+0,000	8.281.772,693	373.882,322
434+0,000	8.281.792,692	373.882,521
435+0,000	8.281.812,691	373.882,721
436+0,000	8.281.832,690	373.882,920

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
437+0,000	8.281.852,689	373.883,119
438+0,000	8.281.872,688	373.883,318
439+0,000	8.281.892,687	373.883,517
440+0,000	8.281.912,686	373.883,716
441+0,000	8.281.932,685	373.883,916
442+0,000	8.281.952,684	373.884,115
443+0,000	8.281.972,683	373.884,314
444+0,000	8.281.992,682	373.884,513
445+0,000	8.282.012,681	373.884,712
446+0,000	8.282.032,680	373.884,911
447+0,000	8.282.052,679	373.885,111
448+0,000	8.282.072,678	373.885,310
449+0,000	8.282.092,677	373.885,509
450+0,000	8.282.112,676	373.885,708
451+0,000	8.282.132,675	373.885,907
452+0,000	8.282.152,674	373.886,107
453+0,000	8.282.172,673	373.886,306
454+0,000	8.282.192,672	373.886,505
455+0,000	8.282.212,671	373.886,704
456+0,000	8.282.232,670	373.886,903
457+0,000	8.282.252,669	373.887,102
458+0,000	8.282.272,668	373.887,302
459+0,000	8.282.292,667	373.887,501
460+0,000	8.282.312,666	373.887,700
461+0,000	8.282.332,665	373.887,899
462+0,000	8.282.352,664	373.888,098
463+0,000	8.282.372,663	373.888,297
464+0,000	8.282.392,662	373.888,497
465+0,000	8.282.412,661	373.888,696
466+0,000	8.282.432,660	373.888,895
467+0,000	8.282.452,659	373.889,094
468+0,000	8.282.472,658	373.889,293
469+0,000	8.282.492,657	373.889,492
470+0,000	8.282.512,656	373.889,692
471+0,000	8.282.532,655	373.889,891
472+0,000	8.282.552,654	373.890,090
473+0,000	8.282.572,653	373.890,289
474+0,000	8.282.592,652	373.890,488
475+0,000	8.282.612,651	373.890,687
476+0,000	8.282.632,650	373.890,887
477+0,000	8.282.652,649	373.891,086

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
477+18,703 PC	8.282.671,351	373.891,272
478+0,000	8.282.672,648	373.891,285
479+0,000	8.282.692,648	373.891,371
480+0,000	8.282.712,648	373.891,257
481+0,000	8.282.732,645	373.890,943
482+0,000	8.282.752,639	373.890,429
483+0,000	8.282.772,626	373.889,716
483+19,673 PT	8.282.792,278	373.888,819
484+0,000	8.282.792,605	373.888,802
485+0,000	8.282.812,579	373.887,792
486+0,000	8.282.832,554	373.886,782
487+0,000	8.282.852,528	373.885,772
488+0,000	8.282.872,503	373.884,762
489+0,000	8.282.892,477	373.883,752
490+0,000	8.282.912,452	373.882,742
491+0,000	8.282.932,426	373.881,732
492+0,000	8.282.952,401	373.880,722
493+0,000	8.282.972,375	373.879,711
494+0,000	8.282.992,350	373.878,701
494+16,795 TE	8.283.009,123	373.877,853
495+0,000	8.283.012,324	373.877,691
496+0,000	8.283.032,301	373.876,733
497+0,000	8.283.052,288	373.876,007
498+0,000	8.283.072,285	373.875,712
498+16,795 EC	8.283.089,077	373.875,945
499+0,000	8.283.092,281	373.876,050
500+0,000	8.283.112,248	373.877,167
501+0,000	8.283.132,155	373.879,081
502+0,000	8.283.151,969	373.881,791
503+0,000	8.283.171,660	373.885,290
504+0,000	8.283.191,194	373.889,574
505+0,000	8.283.210,541	373.894,636
506+0,000	8.283.229,671	373.900,467
507+0,000	8.283.248,552	373.907,059
507+15,060 CE	8.283.262,587	373.912,517
508+0,000	8.283.267,155	373.914,399
509+0,000	8.283.285,475	373.922,420
510+0,000	8.283.303,568	373.930,943
511+0,000	8.283.321,509	373.939,781
511+15,060 ET	8.283.334,969	373.946,535
512+0,000	8.283.339,383	373.948,755

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
513+0,000	8.283.357,250	373.957,741
514+0,000	8.283.375,118	373.966,728
515+0,000	8.283.392,985	373.975,714
516+0,000	8.283.410,852	373.984,700
517+0,000	8.283.428,720	373.993,687
518+0,000	8.283.446,587	374.002,673
519+0,000	8.283.464,455	374.011,660
520+0,000	8.283.482,322	374.020,646
521+0,000	8.283.500,189	374.029,632
522+0,000	8.283.518,057	374.038,619
523+0,000	8.283.535,924	374.047,605
524+0,000	8.283.553,792	374.056,592
525+0,000	8.283.571,659	374.065,578
526+0,000	8.283.589,527	374.074,564
527+0,000	8.283.607,394	374.083,551
528+0,000	8.283.625,261	374.092,537
529+0,000	8.283.643,129	374.101,524
530+0,000	8.283.660,996	374.110,510
531+0,000	8.283.678,864	374.119,496
532+0,000	8.283.696,731	374.128,483
533+0,000	8.283.714,598	374.137,469
534+0,000	8.283.732,466	374.146,456
535+0,000	8.283.750,333	374.155,442
536+0,000	8.283.768,201	374.164,428
537+0,000	8.283.786,068	374.173,415
538+0,000	8.283.803,936	374.182,401
539+0,000	8.283.821,803	374.191,388
540+0,000	8.283.839,670	374.200,374
541+0,000	8.283.857,538	374.209,360
542+0,000	8.283.875,405	374.218,347
543+0,000	8.283.893,273	374.227,333
544+0,000	8.283.911,140	374.236,320
545+0,000	8.283.929,007	374.245,306
546+0,000	8.283.946,875	374.254,292
547+0,000	8.283.964,742	374.263,279
548+0,000	8.283.982,610	374.272,265
549+0,000	8.284.000,477	374.281,252
550+0,000	8.284.018,345	374.290,238
551+0,000	8.284.036,212	374.299,224
552+0,000	8.284.054,079	374.308,211
553+0,000	8.284.071,947	374.317,197

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
554+0,000	8.284.089,814	374.326,184
555+0,000	8.284.107,682	374.335,170
556+0,000	8.284.125,549	374.344,156
557+0,000	8.284.143,416	374.353,143
558+0,000	8.284.161,284	374.362,129
559+0,000	8.284.179,151	374.371,116
560+0,000	8.284.197,019	374.380,102
561+0,000	8.284.214,886	374.389,088
562+0,000	8.284.232,754	374.398,075
563+0,000	8.284.250,621	374.407,061
564+0,000	8.284.268,488	374.416,048
565+0,000	8.284.286,356	374.425,034
566+0,000	8.284.304,223	374.434,020
567+0,000	8.284.322,091	374.443,007
568+0,000	8.284.339,958	374.451,993
569+0,000	8.284.357,825	374.460,980
570+0,000	8.284.375,693	374.469,966
571+0,000	8.284.393,560	374.478,952
572+0,000	8.284.411,428	374.487,939
573+0,000	8.284.429,295	374.496,925
574+0,000	8.284.447,163	374.505,912
575+0,000	8.284.465,030	374.514,898
576+0,000	8.284.482,897	374.523,884
577+0,000	8.284.500,765	374.532,871
578+0,000	8.284.518,632	374.541,857
579+0,000	8.284.536,500	374.550,844
580+0,000	8.284.554,367	374.559,830
581+0,000	8.284.572,235	374.568,816
582+0,000	8.284.590,102	374.577,803
583+0,000	8.284.607,969	374.586,789
584+0,000	8.284.625,837	374.595,776
585+0,000	8.284.643,704	374.604,762
586+0,000	8.284.661,572	374.613,748
587+0,000	8.284.679,439	374.622,735
588+0,000	8.284.697,306	374.631,721
589+0,000	8.284.715,174	374.640,708
590+0,000	8.284.733,041	374.649,694
591+0,000	8.284.750,909	374.658,680
592+0,000	8.284.768,776	374.667,667
593+0,000	8.284.786,644	374.676,653
594+0,000	8.284.804,511	374.685,640

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
595+0,000	8.284.822,378	374.694,626
596+0,000	8.284.840,246	374.703,612
597+0,000	8.284.858,113	374.712,599
598+0,000	8.284.875,981	374.721,585
599+0,000	8.284.893,848	374.730,572
600+0,000	8.284.911,715	374.739,558
601+0,000	8.284.929,583	374.748,544
602+0,000	8.284.947,450	374.757,531
603+0,000	8.284.965,318	374.766,517
604+0,000	8.284.983,185	374.775,504
605+0,000	8.285.001,053	374.784,490
606+0,000	8.285.018,920	374.793,476
607+0,000	8.285.036,787	374.802,463
608+0,000	8.285.054,655	374.811,449
609+0,000	8.285.072,522	374.820,436
610+0,000	8.285.090,390	374.829,422
611+0,000	8.285.108,257	374.838,408
612+0,000	8.285.126,124	374.847,395
613+0,000	8.285.143,992	374.856,381
614+0,000	8.285.161,859	374.865,368
615+0,000	8.285.179,727	374.874,354
616+0,000	8.285.197,594	374.883,340
617+0,000	8.285.215,462	374.892,327
618+0,000	8.285.233,329	374.901,313
619+0,000	8.285.251,196	374.910,300
620+0,000	8.285.269,064	374.919,286
621+0,000	8.285.286,931	374.928,272
622+0,000	8.285.304,799	374.937,259
623+0,000	8.285.322,666	374.946,245
624+0,000	8.285.340,533	374.955,232
625+0,000	8.285.358,401	374.964,218
626+0,000	8.285.376,268	374.973,204
627+0,000	8.285.394,136	374.982,191
628+0,000	8.285.412,003	374.991,177
629+0,000	8.285.429,871	375.000,164
630+0,000	8.285.447,738	375.009,150
631+0,000	8.285.465,605	375.018,136
632+0,000	8.285.483,473	375.027,123
633+0,000	8.285.501,340	375.036,109
634+0,000	8.285.519,208	375.045,096
635+0,000	8.285.537,075	375.054,082

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
636+0,000	8.285.554,942	375.063,068
637+0,000	8.285.572,810	375.072,055
638+0,000	8.285.590,677	375.081,041
639+0,000	8.285.608,545	375.090,028
640+0,000	8.285.626,412	375.099,014
641+0,000	8.285.644,280	375.108,000
642+0,000	8.285.662,147	375.116,987
643+0,000	8.285.680,014	375.125,973
644+0,000	8.285.697,882	375.134,960
645+0,000	8.285.715,749	375.143,946
646+0,000	8.285.733,617	375.152,932
647+0,000	8.285.751,484	375.161,919
647+10,035 PC	8.285.760,449	375.166,428
648+0,000	8.285.769,347	375.170,914
649+0,000	8.285.787,178	375.179,972
650+0,000	8.285.804,973	375.189,101
650+18,364 PT	8.285.821,281	375.197,546
651+0,000	8.285.822,732	375.198,300
652+0,000	8.285.840,475	375.207,530
653+0,000	8.285.858,218	375.216,760
654+0,000	8.285.875,961	375.225,990
655+0,000	8.285.893,704	375.235,219
656+0,000	8.285.911,447	375.244,449
657+0,000	8.285.929,190	375.253,679
658+0,000	8.285.946,932	375.262,909
659+0,000	8.285.964,675	375.272,138
660+0,000	8.285.982,418	375.281,368
661+0,000	8.286.000,161	375.290,598
662+0,000	8.286.017,904	375.299,827
663+0,000	8.286.035,647	375.309,057
664+0,000	8.286.053,390	375.318,287
665+0,000	8.286.071,133	375.327,517
666+0,000	8.286.088,876	375.336,746
667+0,000	8.286.106,619	375.345,976
668+0,000	8.286.124,362	375.355,206
669+0,000	8.286.142,105	375.364,436
670+0,000	8.286.159,848	375.373,665
671+0,000	8.286.177,591	375.382,895
672+0,000	8.286.195,334	375.392,125
673+0,000	8.286.213,077	375.401,355
674+0,000	8.286.230,820	375.410,584

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
675+0,000	8.286.248,563	375.419,814
676+0,000	8.286.266,306	375.429,044
677+0,000	8.286.284,048	375.438,273
678+0,000	8.286.301,791	375.447,503
679+0,000	8.286.319,534	375.456,733
680+0,000	8.286.337,277	375.465,963
681+0,000	8.286.355,020	375.475,192
682+0,000	8.286.372,763	375.484,422
683+0,000	8.286.390,506	375.493,652
684+0,000	8.286.408,249	375.502,882
685+0,000	8.286.425,992	375.512,111
686+0,000	8.286.443,735	375.521,341
687+0,000	8.286.461,478	375.530,571
688+0,000	8.286.479,221	375.539,800
689+0,000	8.286.496,964	375.549,030
690+0,000	8.286.514,707	375.558,260
691+0,000	8.286.532,450	375.567,490
692+0,000	8.286.550,193	375.576,719
693+0,000	8.286.567,936	375.585,949
694+0,000	8.286.585,679	375.595,179
695+0,000	8.286.603,421	375.604,409
696+0,000	8.286.621,164	375.613,638
697+0,000	8.286.638,907	375.622,868
698+0,000	8.286.656,650	375.632,098
699+0,000	8.286.674,393	375.641,327
700+0,000	8.286.692,136	375.650,557
700+9,959 TE	8.286.700,972	375.655,153
701+0,000	8.286.709,880	375.659,785
702+0,000	8.286.727,655	375.668,954
703+0,000	8.286.745,514	375.677,956
704+0,000	8.286.763,512	375.686,678
704+9,959 EC	8.286.772,541	375.690,880
705+0,000	8.286.781,695	375.695,006
706+0,000	8.286.800,079	375.702,879
707+0,000	8.286.818,655	375.710,290
708+0,000	8.286.837,410	375.717,234
709+0,000	8.286.856,333	375.723,708
710+0,000	8.286.875,412	375.729,706
711+0,000	8.286.894,634	375.735,226
712+0,000	8.286.913,989	375.740,263
713+0,000	8.286.933,464	375.744,815

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
714+0,000	8.286.953,046	375.748,879
714+18,592 CE	8.286.971,335	375.752,217
715+0,000	8.286.972,724	375.752,452
716+0,000	8.286.992,481	375.755,557
717+0,000	8.287.012,291	375.758,300
718+0,000	8.287.032,134	375.760,804
718+18,592 ET	8.287.050,593	375.763,026
719+0,000	8.287.051,991	375.763,193
720+0,000	8.287.071,850	375.765,565
721+0,000	8.287.091,709	375.767,937
722+0,000	8.287.111,567	375.770,309
723+0,000	8.287.131,426	375.772,681
724+0,000	8.287.151,285	375.775,053
725+0,000	8.287.171,144	375.777,425
726+0,000	8.287.191,003	375.779,797
727+0,000	8.287.210,862	375.782,169
728+0,000	8.287.230,720	375.784,541
729+0,000	8.287.250,579	375.786,913
730+0,000	8.287.270,438	375.789,285
731+0,000	8.287.290,297	375.791,657
732+0,000	8.287.310,156	375.794,029
733+0,000	8.287.330,015	375.796,401
734+0,000	8.287.349,874	375.798,773
735+0,000	8.287.369,732	375.801,145
736+0,000	8.287.389,591	375.803,517
737+0,000	8.287.409,450	375.805,889
738+0,000	8.287.429,309	375.808,261
739+0,000	8.287.449,168	375.810,633
740+0,000	8.287.469,027	375.813,005
741+0,000	8.287.488,885	375.815,377
742+0,000	8.287.508,744	375.817,749
743+0,000	8.287.528,603	375.820,121
744+0,000	8.287.548,462	375.822,493
745+0,000	8.287.568,321	375.824,865
746+0,000	8.287.588,180	375.827,237
747+0,000	8.287.608,038	375.829,609
748+0,000	8.287.627,897	375.831,981
749+0,000	8.287.647,756	375.834,353
750+0,000	8.287.667,615	375.836,725
751+0,000	8.287.687,474	375.839,097
752+0,000	8.287.707,333	375.841,469

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
753+0,000	8.287.727,192	375.843,841
754+0,000	8.287.747,050	375.846,213
755+0,000	8.287.766,909	375.848,585
755+2,762 TE	8.287.769,652	375.848,912
756+0,000	8.287.786,719	375.851,309
756+12,762 EC	8.287.799,113	375.854,315
757+0,000	8.287.805,906	375.856,807
758+0,000	8.287.823,199	375.866,751
758+13,934 CE	8.287.833,533	375.876,072
759+0,000	8.287.837,506	375.880,654
760+0,000	8.287.848,951	375.897,042
760+3,934 ET	8.287.851,052	375.900,368
761+0,000	8.287.859,617	375.913,960
762+0,000	8.287.870,279	375.930,881
763+0,000	8.287.880,941	375.947,802
764+0,000	8.287.891,603	375.964,723
765+0,000	8.287.902,265	375.981,645
766+0,000	8.287.912,927	375.998,566
767+0,000	8.287.923,589	376.015,487
768+0,000	8.287.934,251	376.032,408
769+0,000	8.287.944,913	376.049,329
770+0,000	8.287.955,575	376.066,250
771+0,000	8.287.966,237	376.083,171
772+0,000	8.287.976,899	376.100,092
773+0,000	8.287.987,561	376.117,013
774+0,000	8.287.998,223	376.133,934
775+0,000	8.288.008,884	376.150,855
776+0,000	8.288.019,546	376.167,776
776+0,144 PI	8.288.019,623	376.167,898
777+0,000	8.288.030,163	376.184,726
778+0,000	8.288.040,779	376.201,676
779+0,000	8.288.051,395	376.218,626
780+0,000	8.288.062,010	376.235,576
781+0,000	8.288.072,626	376.252,526
782+0,000	8.288.083,242	376.269,476
783+0,000	8.288.093,858	376.286,426
784+0,000	8.288.104,474	376.303,376
785+0,000	8.288.115,090	376.320,326
786+0,000	8.288.125,706	376.337,276
787+0,000	8.288.136,322	376.354,226
788+0,000	8.288.146,938	376.371,176

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
789+0,000	8.288.157,554	376.388,126
790+0,000	8.288.168,169	376.405,076
790+15,861 TE	8.288.176,588	376.418,518
791+0,000	8.288.178,786	376.422,026
792+0,000	8.288.189,446	376.438,948
793+0,000	8.288.200,292	376.455,751
794+0,000	8.288.211,473	376.472,334
794+15,861 EC	8.288.220,673	376.485,253
795+0,000	8.288.223,131	376.488,583
796+0,000	8.288.235,361	376.504,407
797+0,000	8.288.248,158	376.519,775
798+0,000	8.288.261,505	376.534,669
799+0,000	8.288.275,384	376.549,067
800+0,000	8.288.289,778	376.562,951
801+0,000	8.288.304,668	376.576,303
802+0,000	8.288.320,033	376.589,104
803+0,000	8.288.335,853	376.601,339
803+6,422 CE	8.288.341,026	376.605,144
804+0,000	8.288.352,102	376.612,998
805+0,000	8.288.368,695	376.624,162
806+0,000	8.288.385,520	376.634,974
807+0,000	8.288.402,475	376.645,583
807+6,422 ET	8.288.407,930	376.648,972
808+0,000	8.288.419,465	376.656,134
809+0,000	8.288.436,455	376.666,685
810+0,000	8.288.453,446	376.677,235
811+0,000	8.288.470,437	376.687,786
812+0,000	8.288.487,428	376.698,337
813+0,000	8.288.504,418	376.708,887
814+0,000	8.288.521,409	376.719,438
815+0,000	8.288.538,400	376.729,988
816+0,000	8.288.555,390	376.740,539
817+0,000	8.288.572,381	376.751,090
818+0,000	8.288.589,372	376.761,640
819+0,000	8.288.606,363	376.772,191
820+0,000	8.288.623,353	376.782,742
821+0,000	8.288.640,344	376.793,292
822+0,000	8.288.657,335	376.803,843
823+0,000	8.288.674,326	376.814,393
824+0,000	8.288.691,316	376.824,944
824+1,612 TE	8.288.692,686	376.825,794

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
825+0,000	8.288.708,317	376.835,479
826+0,000	8.288.725,386	376.845,902
827+0,000	8.288.742,596	376.856,090
828+0,000	8.288.760,015	376.865,916
828+1,612 EC	8.288.761,430	376.866,689
829+0,000	8.288.777,693	376.875,268
830+0,000	8.288.795,632	376.884,111
831+0,000	8.288.813,815	376.892,437
832+0,000	8.288.832,229	376.900,241
833+0,000	8.288.850,858	376.907,516
834+0,000	8.288.869,688	376.914,255
834+17,170 CE	8.288.886,001	376.919,610
835+0,000	8.288.888,702	376.920,454
836+0,000	8.288.907,876	376.926,141
837+0,000	8.288.927,163	376.931,435
838+0,000	8.288.946,518	376.936,473
838+17,170 ET	8.288.963,160	376.940,698
839+0,000	8.288.965,903	376.941,392
840+0,000	8.288.985,293	376.946,297
841+0,000	8.289.004,682	376.951,201
842+0,000	8.289.024,071	376.956,106
843+0,000	8.289.043,461	376.961,010
844+0,000	8.289.062,850	376.965,915
845+0,000	8.289.082,239	376.970,819
846+0,000	8.289.101,629	376.975,724
847+0,000	8.289.121,018	376.980,628
848+0,000	8.289.140,407	376.985,533
849+0,000	8.289.159,797	376.990,437
850+0,000	8.289.179,186	376.995,342
851+0,000	8.289.198,575	377.000,246
852+0,000	8.289.217,965	377.005,151
853+0,000	8.289.237,354	377.010,055
854+0,000	8.289.256,743	377.014,960
855+0,000	8.289.276,132	377.019,864
856+0,000	8.289.295,522	377.024,769
857+0,000	8.289.314,911	377.029,673
858+0,000	8.289.334,300	377.034,578
859+0,000	8.289.353,690	377.039,482
860+0,000	8.289.373,079	377.044,387
861+0,000	8.289.392,468	377.049,291
862+0,000	8.289.411,858	377.054,195

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
863+0,000	8.289.431,247	377.059,100
864+0,000	8.289.450,636	377.064,004
865+0,000	8.289.470,026	377.068,909
866+0,000	8.289.489,415	377.073,813
867+0,000	8.289.508,804	377.078,718
868+0,000	8.289.528,194	377.083,622
869+0,000	8.289.547,583	377.088,527
870+0,000	8.289.566,972	377.093,431
871+0,000	8.289.586,362	377.098,336
872+0,000	8.289.605,751	377.103,240
873+0,000	8.289.625,140	377.108,145
873+5,892 TE	8.289.630,853	377.109,590
874+0,000	8.289.644,526	377.113,065
875+0,000	8.289.663,864	377.118,167
876+0,000	8.289.683,080	377.123,708
876+5,892 EC	8.289.688,706	377.125,461
877+0,000	8.289.702,088	377.129,924
878+0,000	8.289.720,833	377.136,893
879+0,000	8.289.739,285	377.144,607
880+0,000	8.289.757,413	377.153,052
880+8,070 CE	8.289.764,629	377.156,663
881+0,000	8.289.775,193	377.162,207
882+0,000	8.289.792,673	377.171,925
883+0,000	8.289.809,968	377.181,968
883+8,070 ET	8.289.816,923	377.186,060
884+0,000	8.289.827,204	377.192,112
885+0,000	8.289.844,439	377.202,259
886+0,000	8.289.861,674	377.212,406
887+0,000	8.289.878,909	377.222,553
888+0,000	8.289.896,143	377.232,700
889+0,000	8.289.913,378	377.242,847
890+0,000	8.289.930,613	377.252,994
891+0,000	8.289.947,848	377.263,141
892+0,000	8.289.965,083	377.273,288
893+0,000	8.289.982,318	377.283,435
894+0,000	8.289.999,552	377.293,582
895+0,000	8.290.016,787	377.303,729
896+0,000	8.290.034,022	377.313,876
897+0,000	8.290.051,257	377.324,023
898+0,000	8.290.068,492	377.334,170
899+0,000	8.290.085,726	377.344,317

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
900+0,000	8.290.102,961	377.354,464
901+0,000	8.290.120,196	377.364,611
902+0,000	8.290.137,431	377.374,758
903+0,000	8.290.154,666	377.384,905
904+0,000	8.290.171,900	377.395,052
905+0,000	8.290.189,135	377.405,199
906+0,000	8.290.206,370	377.415,346
907+0,000	8.290.223,605	377.425,493
908+0,000	8.290.240,840	377.435,640
909+0,000	8.290.258,075	377.445,787
910+0,000	8.290.275,309	377.455,934
911+0,000	8.290.292,544	377.466,081
912+0,000	8.290.309,779	377.476,228
913+0,000	8.290.327,014	377.486,375
914+0,000	8.290.344,249	377.496,522
915+0,000	8.290.361,483	377.506,669
916+0,000	8.290.378,718	377.516,816
917+0,000	8.290.395,953	377.526,963
918+0,000	8.290.413,188	377.537,110
919+0,000	8.290.430,423	377.547,257
920+0,000	8.290.447,657	377.557,404
921+0,000	8.290.464,892	377.567,551
922+0,000	8.290.482,127	377.577,698
923+0,000	8.290.499,362	377.587,845
924+0,000	8.290.516,597	377.597,992
925+0,000	8.290.533,832	377.608,139
926+0,000	8.290.551,066	377.618,286
927+0,000	8.290.568,301	377.628,433
928+0,000	8.290.585,536	377.638,580
929+0,000	8.290.602,771	377.648,727
930+0,000	8.290.620,006	377.658,874
931+0,000	8.290.637,240	377.669,021
932+0,000	8.290.654,475	377.679,168
933+0,000	8.290.671,710	377.689,315
934+0,000	8.290.688,945	377.699,462
935+0,000	8.290.706,180	377.709,609
936+0,000	8.290.723,414	377.719,756
937+0,000	8.290.740,649	377.729,903
938+0,000	8.290.757,884	377.740,050
939+0,000	8.290.775,119	377.750,196
940+0,000	8.290.792,354	377.760,343

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
941+0,000	8.290.809,588	377.770,490
942+0,000	8.290.826,823	377.780,637
943+0,000	8.290.844,058	377.790,784
944+0,000	8.290.861,293	377.800,931
945+0,000	8.290.878,528	377.811,078
946+0,000	8.290.895,763	377.821,225
947+0,000	8.290.912,997	377.831,372
948+0,000	8.290.930,232	377.841,519
949+0,000	8.290.947,467	377.851,666
950+0,000	8.290.964,702	377.861,813
951+0,000	8.290.981,937	377.871,960
952+0,000	8.290.999,171	377.882,107
953+0,000	8.291.016,406	377.892,254
954+0,000	8.291.033,641	377.902,401
955+0,000	8.291.050,876	377.912,548
956+0,000	8.291.068,111	377.922,695
957+0,000	8.291.085,345	377.932,842
958+0,000	8.291.102,580	377.942,989
959+0,000	8.291.119,815	377.953,136
960+0,000	8.291.137,050	377.963,283
961+0,000	8.291.154,285	377.973,430
962+0,000	8.291.171,520	377.983,577
963+0,000	8.291.188,754	377.993,724
964+0,000	8.291.205,989	378.003,871
965+0,000	8.291.223,224	378.014,018
966+0,000	8.291.240,459	378.024,165
967+0,000	8.291.257,694	378.034,312
968+0,000	8.291.274,928	378.044,459
969+0,000	8.291.292,163	378.054,606
969+4,357 TE	8.291.295,918	378.056,816
970+0,000	8.291.309,403	378.064,744
971+0,000	8.291.326,692	378.074,798
972+0,000	8.291.344,092	378.084,659
973+0,000	8.291.361,661	378.094,215
973+4,357 EC	8.291.365,516	378.096,245
974+0,000	8.291.379,446	378.103,362
975+0,000	8.291.397,454	378.112,062
976+0,000	8.291.415,674	378.120,310
977+0,000	8.291.434,094	378.128,099
978+0,000	8.291.452,704	378.135,425
979+0,000	8.291.471,490	378.142,284

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
980+0,000	8.291.490,443	378.148,671
980+0,470 CE	8.291.490,890	378.148,815
981+0,000	8.291.509,543	378.154,600
982+0,000	8.291.528,752	378.160,168
983+0,000	8.291.548,030	378.165,493
984+0,000	8.291.567,342	378.170,694
984+0,470 ET	8.291.567,796	378.170,816
985+0,000	8.291.586,660	378.175,874
986+0,000	8.291.605,977	378.181,053
987+0,000	8.291.625,295	378.186,233
988+0,000	8.291.644,613	378.191,412
989+0,000	8.291.663,930	378.196,592
990+0,000	8.291.683,248	378.201,771
991+0,000	8.291.702,566	378.206,951
992+0,000	8.291.721,883	378.212,130
993+0,000	8.291.741,201	378.217,310
994+0,000	8.291.760,519	378.222,490
995+0,000	8.291.779,836	378.227,669
996+0,000	8.291.799,154	378.232,849
997+0,000	8.291.818,472	378.238,028
998+0,000	8.291.837,789	378.243,208
999+0,000	8.291.857,107	378.248,387
1000+0,000	8.291.876,425	378.253,567
1001+0,000	8.291.895,742	378.258,747
1002+0,000	8.291.915,060	378.263,926
1003+0,000	8.291.934,378	378.269,106
1004+0,000	8.291.953,695	378.274,285
1005+0,000	8.291.973,013	378.279,465
1006+0,000	8.291.992,331	378.284,644
1007+0,000	8.292.011,648	378.289,824
1008+0,000	8.292.030,966	378.295,004
1009+0,000	8.292.050,284	378.300,183
1010+0,000	8.292.069,601	378.305,363
1011+0,000	8.292.088,919	378.310,542
1012+0,000	8.292.108,237	378.315,722
1013+0,000	8.292.127,554	378.320,901
1014+0,000	8.292.146,872	378.326,081
1015+0,000	8.292.166,190	378.331,260
1016+0,000	8.292.185,507	378.336,440
1017+0,000	8.292.204,825	378.341,620
1018+0,000	8.292.224,142	378.346,799

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1019+0,000	8.292.243,460	378.351,979
1020+0,000	8.292.262,778	378.357,158
1021+0,000	8.292.282,095	378.362,338
1022+0,000	8.292.301,413	378.367,517
1023+0,000	8.292.320,731	378.372,697
1024+0,000	8.292.340,048	378.377,877
1025+0,000	8.292.359,366	378.383,056
1026+0,000	8.292.378,684	378.388,236
1027+0,000	8.292.398,001	378.393,415
1028+0,000	8.292.417,319	378.398,595
1029+0,000	8.292.436,637	378.403,774
1030+0,000	8.292.455,954	378.408,954
1031+0,000	8.292.475,272	378.414,134
1032+0,000	8.292.494,590	378.419,313
1033+0,000	8.292.513,907	378.424,493
1034+0,000	8.292.533,225	378.429,672
1035+0,000	8.292.552,543	378.434,852
1036+0,000	8.292.571,860	378.440,031
1037+0,000	8.292.591,178	378.445,211
1038+0,000	8.292.610,496	378.450,390
1039+0,000	8.292.629,813	378.455,570
1040+0,000	8.292.649,131	378.460,750
1041+0,000	8.292.668,449	378.465,929
1042+0,000	8.292.687,766	378.471,109
1043+0,000	8.292.707,084	378.476,288
1044+0,000	8.292.726,402	378.481,468
1045+0,000	8.292.745,719	378.486,647
1046+0,000	8.292.765,037	378.491,827
1047+0,000	8.292.784,355	378.497,007
1048+0,000	8.292.803,672	378.502,186
1049+0,000	8.292.822,990	378.507,366
1050+0,000	8.292.842,308	378.512,545
1051+0,000	8.292.861,625	378.517,725
1052+0,000	8.292.880,943	378.522,904
1053+0,000	8.292.900,261	378.528,084
1054+0,000	8.292.919,578	378.533,264
1055+0,000	8.292.938,896	378.538,443
1056+0,000	8.292.958,214	378.543,623
1057+0,000	8.292.977,531	378.548,802
1058+0,000	8.292.996,849	378.553,982
1059+0,000	8.293.016,167	378.559,161

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1060+0,000	8.293.035,484	378.564,341
1061+0,000	8.293.054,802	378.569,520
1062+0,000	8.293.074,120	378.574,700
1063+0,000	8.293.093,437	378.579,880
1064+0,000	8.293.112,755	378.585,059
1065+0,000	8.293.132,073	378.590,239
1066+0,000	8.293.151,390	378.595,418
1067+0,000	8.293.170,708	378.600,598
1068+0,000	8.293.190,026	378.605,777
1069+0,000	8.293.209,343	378.610,957
1070+0,000	8.293.228,661	378.616,137
1071+0,000	8.293.247,979	378.621,316
1072+0,000	8.293.267,296	378.626,496
1073+0,000	8.293.286,614	378.631,675
1074+0,000	8.293.305,932	378.636,855
1075+0,000	8.293.325,249	378.642,034
1076+0,000	8.293.344,567	378.647,214
1077+0,000	8.293.363,885	378.652,393
1078+0,000	8.293.383,202	378.657,573
1079+0,000	8.293.402,520	378.662,753
1080+0,000	8.293.421,838	378.667,932
1081+0,000	8.293.441,155	378.673,112
1082+0,000	8.293.460,473	378.678,291
1083+0,000	8.293.479,791	378.683,471
1084+0,000	8.293.499,108	378.688,650
1085+0,000	8.293.518,426	378.693,830
1086+0,000	8.293.537,744	378.699,010
1087+0,000	8.293.557,061	378.704,189
1088+0,000	8.293.576,379	378.709,369
1089+0,000	8.293.595,697	378.714,548
1090+0,000	8.293.615,014	378.719,728
1091+0,000	8.293.634,332	378.724,907
1092+0,000	8.293.653,650	378.730,087
1093+0,000	8.293.672,967	378.735,267
1094+0,000	8.293.692,285	378.740,446
1095+0,000	8.293.711,603	378.745,626
1096+0,000	8.293.730,920	378.750,805
1097+0,000	8.293.750,238	378.755,985
1098+0,000	8.293.769,556	378.761,164
1099+0,000	8.293.788,873	378.766,344
1100+0,000	8.293.808,191	378.771,523

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1101+0,000	8.293.827,509	378.776,703
1101+2,106 TE	8.293.829,543	378.777,249
1102+0,000	8.293.846,823	378.781,893
1103+0,000	8.293.866,116	378.787,165
1104+0,000	8.293.885,361	378.792,609
1105+0,000	8.293.904,530	378.798,314
1106+0,000	8.293.923,591	378.804,369
1106+2,106 EC	8.293.925,590	378.805,031
1107+0,000	8.293.942,510	378.810,851
1108+0,000	8.293.961,273	378.817,777
1109+0,000	8.293.979,867	378.825,142
1110+0,000	8.293.998,282	378.832,942
1111+0,000	8.294.016,509	378.841,174
1112+0,000	8.294.034,538	378.849,832
1113+0,000	8.294.052,357	378.858,911
1114+0,000	8.294.069,958	378.868,408
1115+0,000	8.294.087,331	378.878,316
1116+0,000	8.294.104,466	378.888,630
1117+0,000	8.294.121,353	378.899,344
1118+0,000	8.294.137,984	378.910,453
1119+0,000	8.294.154,349	378.921,950
1120+0,000	8.294.170,438	378.933,828
1121+0,000	8.294.186,244	378.946,082
1122+0,000	8.294.201,757	378.958,705
1123+0,000	8.294.216,969	378.971,689
1124+0,000	8.294.231,871	378.985,027
1125+0,000	8.294.246,456	378.998,712
1126+0,000	8.294.260,714	379.012,736
1127+0,000	8.294.274,638	379.027,092
1127+12,707 CE	8.294.283,308	379.036,382
1128+0,000	8.294.288,221	379.041,772
1129+0,000	8.294.301,484	379.056,741
1130+0,000	8.294.314,489	379.071,935
1131+0,000	8.294.327,305	379.087,289
1132+0,000	8.294.340,002	379.102,742
1132+12,707 ET	8.294.348,041	379.112,584
1133+0,000	8.294.352,652	379.118,233
1134+0,000	8.294.365,300	379.133,726
1135+0,000	8.294.377,947	379.149,220
1136+0,000	8.294.390,594	379.164,713
1137+0,000	8.294.403,241	379.180,207

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1138+0,000	8.294.415,888	379.195,700
1139+0,000	8.294.428,536	379.211,194
1140+0,000	8.294.441,183	379.226,687
1141+0,000	8.294.453,830	379.242,181
1142+0,000	8.294.466,477	379.257,674
1143+0,000	8.294.479,124	379.273,168
1144+0,000	8.294.491,772	379.288,661
1145+0,000	8.294.504,419	379.304,155
1146+0,000	8.294.517,066	379.319,648
1147+0,000	8.294.529,713	379.335,142
1148+0,000	8.294.542,360	379.350,635
1149+0,000	8.294.555,008	379.366,129
1150+0,000	8.294.567,655	379.381,622
1150+3,853 TE	8.294.570,091	379.384,607
1151+0,000	8.294.580,296	379.397,121
1152+0,000	8.294.592,881	379.412,665
1153+0,000	8.294.605,341	379.428,309
1154+0,000	8.294.617,605	379.444,107
1155+0,000	8.294.629,600	379.460,111
1155+3,853 EC	8.294.631,873	379.463,221
1156+0,000	8.294.641,256	379.476,362
1157+0,000	8.294.652,549	379.492,869
1158+0,000	8.294.663,471	379.509,622
1159+0,000	8.294.674,019	379.526,614
1160+0,000	8.294.684,187	379.543,836
1161+0,000	8.294.693,970	379.561,280
1162+0,000	8.294.703,362	379.578,937
1163+0,000	8.294.712,360	379.596,798
1163+11,826 CE	8.294.717,493	379.607,452
1164+0,000	8.294.720,959	379.614,855
1165+0,000	8.294.729,192	379.633,081
1166+0,000	8.294.737,132	379.651,437
1167+0,000	8.294.744,861	379.669,884
1168+0,000	8.294.752,458	379.688,384
1168+11,826 ET	8.294.756,923	379.699,335
1169+0,000	8.294.760,007	379.706,905
1170+0,000	8.294.767,552	379.725,427
1171+0,000	8.294.775,098	379.743,949
1172+0,000	8.294.782,643	379.762,471
1173+0,000	8.294.790,188	379.780,993
1174+0,000	8.294.797,734	379.799,516

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1175+0,000	8.294.805,279	379.818,038
1176+0,000	8.294.812,825	379.836,560
1177+0,000	8.294.820,370	379.855,082
1178+0,000	8.294.827,915	379.873,604
1179+0,000	8.294.835,461	379.892,126
1180+0,000	8.294.843,006	379.910,648
1181+0,000	8.294.850,552	379.929,170
1182+0,000	8.294.858,097	379.947,692
1183+0,000	8.294.865,643	379.966,214
1184+0,000	8.294.873,188	379.984,736
1185+0,000	8.294.880,733	380.003,258
1186+0,000	8.294.888,279	380.021,780
1187+0,000	8.294.895,824	380.040,302
1188+0,000	8.294.903,370	380.058,824
1189+0,000	8.294.910,915	380.077,346
1190+0,000	8.294.918,461	380.095,868
1191+0,000	8.294.926,006	380.114,391
1192+0,000	8.294.933,551	380.132,913
1193+0,000	8.294.941,097	380.151,435
1194+0,000	8.294.948,642	380.169,957
1195+0,000	8.294.956,188	380.188,479
1196+0,000	8.294.963,733	380.207,001
1197+0,000	8.294.971,279	380.225,523
1198+0,000	8.294.978,824	380.244,045
1199+0,000	8.294.986,369	380.262,567
1200+0,000	8.294.993,915	380.281,089
1201+0,000	8.295.001,460	380.299,611
1202+0,000	8.295.009,006	380.318,133
1203+0,000	8.295.016,551	380.336,655
1204+0,000	8.295.024,096	380.355,177
1205+0,000	8.295.031,642	380.373,699
1206+0,000	8.295.039,187	380.392,221
1207+0,000	8.295.046,733	380.410,743
1208+0,000	8.295.054,278	380.429,265
1209+0,000	8.295.061,824	380.447,788
1210+0,000	8.295.069,369	380.466,310
1211+0,000	8.295.076,914	380.484,832
1212+0,000	8.295.084,460	380.503,354
1213+0,000	8.295.092,005	380.521,876
1214+0,000	8.295.099,551	380.540,398
1215+0,000	8.295.107,096	380.558,920

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1216+0,000	8.295.114,642	380.577,442
1217+0,000	8.295.122,187	380.595,964
1218+0,000	8.295.129,732	380.614,486
1219+0,000	8.295.137,278	380.633,008
1220+0,000	8.295.144,823	380.651,530
1221+0,000	8.295.152,369	380.670,052
1222+0,000	8.295.159,914	380.688,574
1223+0,000	8.295.167,460	380.707,096
1224+0,000	8.295.175,005	380.725,618
1225+0,000	8.295.182,550	380.744,140
1226+0,000	8.295.190,096	380.762,663
1227+0,000	8.295.197,641	380.781,185
1228+0,000	8.295.205,187	380.799,707
1229+0,000	8.295.212,732	380.818,229
1230+0,000	8.295.220,278	380.836,751
1231+0,000	8.295.227,823	380.855,273
1232+0,000	8.295.235,368	380.873,795
1233+0,000	8.295.242,914	380.892,317
1233+11,649 TE	8.295.247,309	380.903,105
1234+0,000	8.295.250,462	380.910,838
1235+0,000	8.295.258,114	380.929,316
1236+0,000	8.295.266,093	380.947,655
1237+0,000	8.295.274,621	380.965,744
1237+11,649 EC	8.295.279,928	380.976,114
1238+0,000	8.295.283,912	380.983,453
1239+0,000	8.295.294,068	381.000,680
1240+0,000	8.295.305,073	381.017,378
1241+0,000	8.295.316,899	381.033,504
1242+0,000	8.295.329,516	381.049,020
1243+0,000	8.295.342,892	381.063,885
1243+2,439 CE	8.295.344,574	381.065,652
1244+0,000	8.295.356,975	381.078,084
1245+0,000	8.295.371,602	381.091,723
1246+0,000	8.295.386,586	381.104,969
1247+0,000	8.295.401,754	381.118,005
1247+2,439 ET	8.295.403,609	381.119,589
1248+0,000	8.295.416,961	381.130,995
1249+0,000	8.295.432,168	381.143,986
1250+0,000	8.295.447,374	381.156,977
1251+0,000	8.295.462,581	381.169,967
1252+0,000	8.295.477,788	381.182,958

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1253+0,000	8.295.492,994	381.195,949
1254+0,000	8.295.508,201	381.208,940
1255+0,000	8.295.523,407	381.221,930
1256+0,000	8.295.538,614	381.234,921
1257+0,000	8.295.553,821	381.247,912
1258+0,000	8.295.569,027	381.260,902
1259+0,000	8.295.584,234	381.273,893
1260+0,000	8.295.599,441	381.286,884
1261+0,000	8.295.614,647	381.299,874
1262+0,000	8.295.629,854	381.312,865
1263+0,000	8.295.645,061	381.325,856
1264+0,000	8.295.660,267	381.338,846
1264+18,164 PC	8.295.674,078	381.350,645
1265+0,000	8.295.675,475	381.351,836
1266+0,000	8.295.690,809	381.364,676
1267+0,000	8.295.706,354	381.377,259
1268+0,000	8.295.722,108	381.389,580
1269+0,000	8.295.738,064	381.401,638
1270+0,000	8.295.754,219	381.413,428
1271+0,000	8.295.770,569	381.424,947
1272+0,000	8.295.787,108	381.436,192
1273+0,000	8.295.803,832	381.447,160
1274+0,000	8.295.820,736	381.457,847
1275+0,000	8.295.837,817	381.468,251
1276+0,000	8.295.855,068	381.478,370
1277+0,000	8.295.872,486	381.488,199
1278+0,000	8.295.890,065	381.497,736
1279+0,000	8.295.907,801	381.506,980
1279+19,794 PT	8.295.925,503	381.515,836
1280+0,000	8.295.925,688	381.515,926
1281+0,000	8.295.943,648	381.524,727
1282+0,000	8.295.961,608	381.533,527
1283+0,000	8.295.979,567	381.542,327
1284+0,000	8.295.997,527	381.551,127
1285+0,000	8.296.015,487	381.559,928
1286+0,000	8.296.033,447	381.568,728
1287+0,000	8.296.051,407	381.577,528
1288+0,000	8.296.069,367	381.586,328
1289+0,000	8.296.087,326	381.595,129
1290+0,000	8.296.105,286	381.603,929
1291+0,000	8.296.123,246	381.612,729

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1291+14,548 TE	8.296.136,310	381.619,131
1292+0,000	8.296.141,207	381.621,528
1293+0,000	8.296.159,265	381.630,123
1294+0,000	8.296.177,669	381.637,945
1294+14,548 EC	8.296.191,386	381.642,783
1295+0,000	8.296.196,607	381.644,352
1296+0,000	8.296.216,080	381.648,877
1297+0,000	8.296.235,907	381.651,436
1298+0,000	8.296.255,891	381.652,003
1299+0,000	8.296.275,831	381.650,572
1300+0,000	8.296.295,529	381.647,158
1300+12,835 CE	8.296.307,951	381.643,936
1301+0,000	8.296.314,789	381.641,798
1302+0,000	8.296.333,517	381.634,792
1303+0,000	8.296.351,837	381.626,771
1303+12,835 ET	8.296.363,485	381.621,379
1304+0,000	8.296.369,980	381.618,354
1305+0,000	8.296.388,110	381.609,911
1306+0,000	8.296.406,241	381.601,468
1307+0,000	8.296.424,371	381.593,025
1308+0,000	8.296.442,502	381.584,582
1309+0,000	8.296.460,632	381.576,139
1310+0,000	8.296.478,763	381.567,696
1311+0,000	8.296.496,893	381.559,253
1312+0,000	8.296.515,024	381.550,810
1313+0,000	8.296.533,154	381.542,367
1314+0,000	8.296.551,285	381.533,924
1315+0,000	8.296.569,415	381.525,480
1316+0,000	8.296.587,546	381.517,037
1317+0,000	8.296.605,676	381.508,594
1318+0,000	8.296.623,807	381.500,151
1319+0,000	8.296.641,937	381.491,708
1320+0,000	8.296.660,067	381.483,265
1321+0,000	8.296.678,198	381.474,822
1322+0,000	8.296.696,328	381.466,379
1322+2,934 PI	8.296.698,988	381.465,140
1323+0,000	8.296.705,065	381.481,088
1324+0,000	8.296.712,186	381.499,777
1325+0,000	8.296.719,307	381.518,466
1326+0,000	8.296.726,429	381.537,155
1327+0,000	8.296.733,550	381.555,845

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1328+0,000	8.296.740,671	381.574,534
1329+0,000	8.296.747,793	381.593,223
1330+0,000	8.296.754,914	381.611,912
1331+0,000	8.296.762,035	381.630,602
1332+0,000	8.296.769,157	381.649,291
1333+0,000	8.296.776,278	381.667,980
1334+0,000	8.296.783,399	381.686,669
1335+0,000	8.296.790,520	381.705,358
1336+0,000	8.296.797,642	381.724,048
1337+0,000	8.296.804,763	381.742,737
1338+0,000	8.296.811,884	381.761,426
1339+0,000	8.296.819,006	381.780,115
1340+0,000	8.296.826,127	381.798,805
1341+0,000	8.296.833,248	381.817,494
1342+0,000	8.296.840,370	381.836,183
1343+0,000	8.296.847,491	381.854,872
1344+0,000	8.296.854,612	381.873,561
1345+0,000	8.296.861,733	381.892,251
1346+0,000	8.296.868,855	381.910,940
1347+0,000	8.296.875,976	381.929,629
1347+13,496 TE	8.296.880,781	381.942,240
1348+0,000	8.296.883,105	381.948,316
1349+0,000	8.296.890,699	381.966,815
1349+13,496 EC	8.296.896,658	381.978,920
1350+0,000	8.296.899,884	381.984,567
1351+0,000	8.296.911,291	382.000,978
1352+0,000	8.296.924,778	382.015,726
1353+0,000	8.296.940,105	382.028,550
1354+0,000	8.296.957,002	382.039,223
1354+2,473 CE	8.296.959,185	382.040,384
1355+0,000	8.296.975,109	382.047,693
1356+0,000	8.296.993,807	382.054,788
1356+2,473 ET	8.296.996,132	382.055,629
1357+0,000	8.297.012,615	382.061,588
1358+0,000	8.297.031,424	382.068,387
1359+0,000	8.297.050,233	382.075,187
1359+6,619 TE	8.297.056,457	382.077,437
1360+0,000	8.297.069,015	382.082,058
1361+0,000	8.297.087,414	382.089,883
1361+1,619 EC	8.297.088,865	382.090,599
1362+0,000	8.297.104,763	382.099,804

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1362+3,232 CE	8.297.107,436	382.101,620
1363+0,000	8.297.120,733	382.111,826
1363+18,232 ET	8.297.134,514	382.123,762
1364+0,000	8.297.135,839	382.124,934
1365+0,000	8.297.150,818	382.138,186
1366+0,000	8.297.165,797	382.151,439
1367+0,000	8.297.180,776	382.164,691
1368+0,000	8.297.195,755	382.177,944
1369+0,000	8.297.210,734	382.191,196
1370+0,000	8.297.225,713	382.204,449
1371+0,000	8.297.240,692	382.217,701
1372+0,000	8.297.255,671	382.230,954
1373+0,000	8.297.270,650	382.244,206
1374+0,000	8.297.285,629	382.257,458
1375+0,000	8.297.300,608	382.270,711
1376+0,000	8.297.315,587	382.283,963
1377+0,000	8.297.330,566	382.297,216
1378+0,000	8.297.345,545	382.310,468
1379+0,000	8.297.360,524	382.323,721
1380+0,000	8.297.375,503	382.336,973
1381+0,000	8.297.390,482	382.350,226
1382+0,000	8.297.405,461	382.363,478
1383+0,000	8.297.420,440	382.376,731
1384+0,000	8.297.435,419	382.389,983
1385+0,000	8.297.450,398	382.403,236
1386+0,000	8.297.465,377	382.416,488
1387+0,000	8.297.480,356	382.429,741
1388+0,000	8.297.495,335	382.442,993
1389+0,000	8.297.510,314	382.456,246
1390+0,000	8.297.525,293	382.469,498
1391+0,000	8.297.540,272	382.482,751
1391+9,075 TE	8.297.547,069	382.488,764
1392+0,000	8.297.555,299	382.495,949
1392+19,075 EC	8.297.570,480	382.507,477
1393+0,000	8.297.571,258	382.507,976
1394+0,000	8.297.589,105	382.516,930
1394+16,877 CE	8.297.605,302	382.521,600
1395+0,000	8.297.608,374	382.522,163
1396+0,000	8.297.628,264	382.524,145
1396+6,877 ET	8.297.635,133	382.524,481
1397+0,000	8.297.648,242	382.525,088

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1398+0,000	8.297.668,221	382.526,014
1398+12,075 TE	8.297.680,283	382.526,573
1399+0,000	8.297.688,198	382.526,962
1400+0,000	8.297.708,103	382.528,830
1400+2,075 EC	8.297.710,152	382.529,157
1401+0,000	8.297.727,557	382.533,379
1402+0,000	8.297.746,037	382.540,969
1403+0,000	8.297.763,073	382.551,406
1403+3,744 CE	8.297.766,066	382.553,656
1404+0,000	8.297.778,358	382.564,285
1404+13,744 ET	8.297.788,212	382.573,865
1405+0,000	8.297.792,661	382.578,263
1406+0,000	8.297.806,884	382.592,323
1407+0,000	8.297.821,108	382.606,384
1408+0,000	8.297.835,331	382.620,444
1409+0,000	8.297.849,554	382.634,505
1410+0,000	8.297.863,777	382.648,566
1411+0,000	8.297.878,000	382.662,626
1412+0,000	8.297.892,224	382.676,687
1413+0,000	8.297.906,447	382.690,747
1414+0,000	8.297.920,670	382.704,808
1415+0,000	8.297.934,893	382.718,869
1416+0,000	8.297.949,116	382.732,929
1417+0,000	8.297.963,339	382.746,990
1418+0,000	8.297.977,563	382.761,051
1419+0,000	8.297.991,786	382.775,111
1420+0,000	8.298.006,009	382.789,172
1421+0,000	8.298.020,232	382.803,232
1422+0,000	8.298.034,455	382.817,293
1422+2,726 TE	8.298.036,394	382.819,210
1423+0,000	8.298.048,641	382.831,392
1424+0,000	8.298.062,518	382.845,793
1424+2,726 EC	8.298.064,365	382.847,798
1425+0,000	8.298.075,748	382.860,788
1426+0,000	8.298.088,213	382.876,426
1427+0,000	8.298.099,881	382.892,668
1427+4,218 CE	8.298.102,237	382.896,167
1428+0,000	8.298.110,757	382.909,450
1429+0,000	8.298.121,121	382.926,555
1429+4,218 ET	8.298.123,281	382.930,178
1430+0,000	8.298.131,360	382.943,735

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1431+0,000	8.298.141,598	382.960,916
1432+0,000	8.298.151,837	382.978,097
1433+0,000	8.298.162,075	382.995,277
1434+0,000	8.298.172,313	383.012,458
1435+0,000	8.298.182,552	383.029,639
1436+0,000	8.298.192,790	383.046,819
1436+17,897 TE	8.298.201,952	383.062,194
1437+0,000	8.298.203,029	383.064,000
1438+0,000	8.298.213,379	383.081,113
1439+0,000	8.298.224,270	383.097,885
1439+17,897 EC	8.298.234,853	383.112,314
1440+0,000	8.298.236,163	383.113,959
1441+0,000	8.298.249,353	383.128,985
1442+0,000	8.298.263,799	383.142,807
1443+0,000	8.298.279,391	383.155,323
1444+0,000	8.298.296,010	383.166,438
1445+0,000	8.298.313,532	383.176,067
1445+15,765 CE	8.298.327,894	383.182,563
1446+0,000	8.298.331,824	383.184,140
1447+0,000	8.298.350,695	383.190,754
1448+0,000	8.298.369,885	383.196,383
1448+15,765 ET	8.298.385,108	383.200,482
1449+0,000	8.298.389,201	383.201,571
1450+0,000	8.298.408,528	383.206,713
1451+0,000	8.298.427,856	383.211,856
1452+0,000	8.298.447,183	383.216,998
1453+0,000	8.298.466,511	383.222,140
1454+0,000	8.298.485,839	383.227,283
1455+0,000	8.298.505,166	383.232,425
1456+0,000	8.298.524,494	383.237,568
1457+0,000	8.298.543,821	383.242,710
1458+0,000	8.298.563,149	383.247,853
1459+0,000	8.298.582,476	383.252,995
1459+13,443 PC	8.298.595,468	383.256,452
1460+0,000	8.298.601,809	383.258,120
1461+0,000	8.298.621,205	383.262,995
1462+0,000	8.298.640,680	383.267,547
1463+0,000	8.298.660,228	383.271,773
1464+0,000	8.298.679,844	383.275,672
1465+0,000	8.298.699,522	383.279,245
1466+0,000	8.298.719,257	383.282,489

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1467+0,000	8.298.739,044	383.285,403
1468+0,000	8.298.758,876	383.287,987
1468+3,854 PT	8.298.762,702	383.288,447
1469+0,000	8.298.778,736	383.290,349
1470+0,000	8.298.798,597	383.292,704
1471+0,000	8.298.818,457	383.295,059
1472+0,000	8.298.838,318	383.297,414
1473+0,000	8.298.858,179	383.299,769
1474+0,000	8.298.878,040	383.302,125
1475+0,000	8.298.897,901	383.304,480
1476+0,000	8.298.917,762	383.306,835
1477+0,000	8.298.937,622	383.309,190
1478+0,000	8.298.957,483	383.311,545
1479+0,000	8.298.977,344	383.313,901
1480+0,000	8.298.997,205	383.316,256
1481+0,000	8.299.017,066	383.318,611
1482+0,000	8.299.036,927	383.320,966
1483+0,000	8.299.056,788	383.323,321
1484+0,000	8.299.076,648	383.325,677
1485+0,000	8.299.096,509	383.328,032
1486+0,000	8.299.116,370	383.330,387
1487+0,000	8.299.136,231	383.332,742
1488+0,000	8.299.156,092	383.335,097
1489+0,000	8.299.175,953	383.337,452
1490+0,000	8.299.195,813	383.339,808
1491+0,000	8.299.215,674	383.342,163
1492+0,000	8.299.235,535	383.344,518
1493+0,000	8.299.255,396	383.346,873
1494+0,000	8.299.275,257	383.349,228
1495+0,000	8.299.295,118	383.351,584
1496+0,000	8.299.314,978	383.353,939
1497+0,000	8.299.334,839	383.356,294
1498+0,000	8.299.354,700	383.358,649
1499+0,000	8.299.374,561	383.361,004
1500+0,000	8.299.394,422	383.363,360
1501+0,000	8.299.414,283	383.365,715
1502+0,000	8.299.434,144	383.368,070
1503+0,000	8.299.454,004	383.370,425
1504+0,000	8.299.473,865	383.372,780
1505+0,000	8.299.493,726	383.375,136
1506+0,000	8.299.513,587	383.377,491

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1507+0,000	8.299.533,448	383.379,846
1508+0,000	8.299.553,309	383.382,201
1509+0,000	8.299.573,169	383.384,556
1510+0,000	8.299.593,030	383.386,912
1511+0,000	8.299.612,891	383.389,267
1512+0,000	8.299.632,752	383.391,622
1513+0,000	8.299.652,613	383.393,977
1514+0,000	8.299.672,474	383.396,332
1515+0,000	8.299.692,334	383.398,688
1516+0,000	8.299.712,195	383.401,043
1517+0,000	8.299.732,056	383.403,398
1518+0,000	8.299.751,917	383.405,753
1519+0,000	8.299.771,778	383.408,108
1520+0,000	8.299.791,639	383.410,464
1521+0,000	8.299.811,500	383.412,819
1522+0,000	8.299.831,360	383.415,174
1523+0,000	8.299.851,221	383.417,529
1524+0,000	8.299.871,082	383.419,884
1525+0,000	8.299.890,943	383.422,240
1526+0,000	8.299.910,804	383.424,595
1527+0,000	8.299.930,665	383.426,950
1528+0,000	8.299.950,525	383.429,305
1529+0,000	8.299.970,386	383.431,660
1530+0,000	8.299.990,247	383.434,015
1531+0,000	8.300.010,108	383.436,371
1532+0,000	8.300.029,969	383.438,726
1533+0,000	8.300.049,830	383.441,081
1534+0,000	8.300.069,690	383.443,436
1535+0,000	8.300.089,551	383.445,791
1536+0,000	8.300.109,412	383.448,147
1537+0,000	8.300.129,273	383.450,502
1538+0,000	8.300.149,134	383.452,857
1539+0,000	8.300.168,995	383.455,212
1540+0,000	8.300.188,856	383.457,567
1541+0,000	8.300.208,716	383.459,923
1542+0,000	8.300.228,577	383.462,278
1543+0,000	8.300.248,438	383.464,633
1544+0,000	8.300.268,299	383.466,988
1545+0,000	8.300.288,160	383.469,343
1546+0,000	8.300.308,021	383.471,699
1547+0,000	8.300.327,881	383.474,054

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1548+0,000	8.300.347,742	383.476,409
1549+0,000	8.300.367,603	383.478,764
1550+0,000	8.300.387,464	383.481,119
1551+0,000	8.300.407,325	383.483,475
1552+0,000	8.300.427,186	383.485,830
1553+0,000	8.300.447,046	383.488,185
1554+0,000	8.300.466,907	383.490,540
1555+0,000	8.300.486,768	383.492,895
1556+0,000	8.300.506,629	383.495,251
1557+0,000	8.300.526,490	383.497,606
1558+0,000	8.300.546,351	383.499,961
1559+0,000	8.300.566,212	383.502,316
1560+0,000	8.300.586,072	383.504,671
1561+0,000	8.300.605,933	383.507,027
1562+0,000	8.300.625,794	383.509,382
1563+0,000	8.300.645,655	383.511,737
1564+0,000	8.300.665,516	383.514,092
1565+0,000	8.300.685,377	383.516,447
1565+10,979 PC	8.300.696,279	383.517,740
1566+0,000	8.300.705,238	383.518,794
1567+0,000	8.300.725,108	383.521,074
1568+0,000	8.300.744,987	383.523,274
1569+0,000	8.300.764,874	383.525,395
1569+9,637 PT	8.300.774,460	383.526,388
1570+0,000	8.300.784,768	383.527,446
1571+0,000	8.300.804,664	383.529,489
1572+0,000	8.300.824,559	383.531,531
1573+0,000	8.300.844,455	383.533,574
1574+0,000	8.300.864,350	383.535,616
1575+0,000	8.300.884,246	383.537,659
1576+0,000	8.300.904,141	383.539,701
1577+0,000	8.300.924,036	383.541,744
1578+0,000	8.300.943,932	383.543,786
1579+0,000	8.300.963,827	383.545,829
1580+0,000	8.300.983,723	383.547,871
1581+0,000	8.301.003,618	383.549,914
1582+0,000	8.301.023,514	383.551,956
1583+0,000	8.301.043,409	383.553,999
1584+0,000	8.301.063,304	383.556,041
1585+0,000	8.301.083,200	383.558,084
1586+0,000	8.301.103,095	383.560,126

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1587+0,000	8.301.122,991	383.562,168
1588+0,000	8.301.142,886	383.564,211
1589+0,000	8.301.162,782	383.566,253
1590+0,000	8.301.182,677	383.568,296
1591+0,000	8.301.202,572	383.570,338
1592+0,000	8.301.222,468	383.572,381
1593+0,000	8.301.242,363	383.574,423
1594+0,000	8.301.262,259	383.576,466
1595+0,000	8.301.282,154	383.578,508
1596+0,000	8.301.302,050	383.580,551
1597+0,000	8.301.321,945	383.582,593
1598+0,000	8.301.341,841	383.584,636
1599+0,000	8.301.361,736	383.586,678
1600+0,000	8.301.381,631	383.588,721
1601+0,000	8.301.401,527	383.590,763
1602+0,000	8.301.421,422	383.592,806
1603+0,000	8.301.441,318	383.594,848
1604+0,000	8.301.461,213	383.596,890
1605+0,000	8.301.481,109	383.598,933
1606+0,000	8.301.501,004	383.600,975
1607+0,000	8.301.520,899	383.603,018
1608+0,000	8.301.540,795	383.605,060
1609+0,000	8.301.560,690	383.607,103
1610+0,000	8.301.580,586	383.609,145
1611+0,000	8.301.600,481	383.611,188
1612+0,000	8.301.620,377	383.613,230
1613+0,000	8.301.640,272	383.615,273
1614+0,000	8.301.660,167	383.617,315
1615+0,000	8.301.680,063	383.619,358
1616+0,000	8.301.699,958	383.621,400
1617+0,000	8.301.719,854	383.623,443
1618+0,000	8.301.739,749	383.625,485
1619+0,000	8.301.759,645	383.627,528
1620+0,000	8.301.779,540	383.629,570
1621+0,000	8.301.799,436	383.631,613
1622+0,000	8.301.819,331	383.633,655
1623+0,000	8.301.839,226	383.635,697
1624+0,000	8.301.859,122	383.637,740
1625+0,000	8.301.879,017	383.639,782
1626+0,000	8.301.898,913	383.641,825
1627+0,000	8.301.918,808	383.643,867

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1628+0,000	8.301.938,704	383.645,910
1629+0,000	8.301.958,599	383.647,952
1629+0,372 PI	8.301.958,969	383.647,990
1630+0,000	8.301.978,502	383.649,917
1631+0,000	8.301.998,406	383.651,879
1632+0,000	8.302.018,309	383.653,842
1633+0,000	8.302.038,213	383.655,805
1634+0,000	8.302.058,116	383.657,768
1635+0,000	8.302.078,020	383.659,730
1636+0,000	8.302.097,923	383.661,693
1637+0,000	8.302.117,826	383.663,656
1638+0,000	8.302.137,730	383.665,619
1639+0,000	8.302.157,633	383.667,582
1640+0,000	8.302.177,537	383.669,544
1641+0,000	8.302.197,440	383.671,507
1642+0,000	8.302.217,344	383.673,470
1643+0,000	8.302.237,247	383.675,433
1644+0,000	8.302.257,151	383.677,395
1645+0,000	8.302.277,054	383.679,358
1646+0,000	8.302.296,958	383.681,321
1647+0,000	8.302.316,861	383.683,284
1648+0,000	8.302.336,764	383.685,247
1649+0,000	8.302.356,668	383.687,209
1650+0,000	8.302.376,571	383.689,172
1651+0,000	8.302.396,475	383.691,135
1652+0,000	8.302.416,378	383.693,098
1653+0,000	8.302.436,282	383.695,061
1654+0,000	8.302.456,185	383.697,023
1655+0,000	8.302.476,089	383.698,986
1656+0,000	8.302.495,992	383.700,949
1657+0,000	8.302.515,896	383.702,912
1658+0,000	8.302.535,799	383.704,874
1659+0,000	8.302.555,702	383.706,837
1660+0,000	8.302.575,606	383.708,800
1661+0,000	8.302.595,509	383.710,763
1662+0,000	8.302.615,413	383.712,726
1663+0,000	8.302.635,316	383.714,688
1664+0,000	8.302.655,220	383.716,651
1665+0,000	8.302.675,123	383.718,614
1666+0,000	8.302.695,027	383.720,577
1667+0,000	8.302.714,930	383.722,539

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1668+0,000	8.302.734,834	383.724,502
1669+0,000	8.302.754,737	383.726,465
1670+0,000	8.302.774,640	383.728,428
1671+0,000	8.302.794,544	383.730,391
1672+0,000	8.302.814,447	383.732,353
1673+0,000	8.302.834,351	383.734,316
1674+0,000	8.302.854,254	383.736,279
1675+0,000	8.302.874,158	383.738,242
1676+0,000	8.302.894,061	383.740,205
1677+0,000	8.302.913,965	383.742,167
1678+0,000	8.302.933,868	383.744,130
1679+0,000	8.302.953,772	383.746,093
1680+0,000	8.302.973,675	383.748,056
1681+0,000	8.302.993,578	383.750,018
1682+0,000	8.303.013,482	383.751,981
1683+0,000	8.303.033,385	383.753,944
1684+0,000	8.303.053,289	383.755,907
1685+0,000	8.303.073,192	383.757,870
1686+0,000	8.303.093,096	383.759,832
1686+11,044 PC	8.303.104,087	383.760,916
1687+0,000	8.303.112,998	383.761,805
1688+0,000	8.303.132,892	383.763,862
1689+0,000	8.303.152,775	383.766,019
1690+0,000	8.303.172,648	383.768,275
1691+0,000	8.303.192,509	383.770,630
1692+0,000	8.303.212,357	383.773,084
1692+4,048 PT	8.303.216,373	383.773,593
1693+0,000	8.303.232,198	383.775,607
1694+0,000	8.303.252,038	383.778,131
1695+0,000	8.303.271,878	383.780,655
1696+0,000	8.303.291,718	383.783,179
1697+0,000	8.303.311,558	383.785,703
1698+0,000	8.303.331,398	383.788,228
1699+0,000	8.303.351,238	383.790,752
1700+0,000	8.303.371,078	383.793,276
1701+0,000	8.303.390,918	383.795,800
1702+0,000	8.303.410,758	383.798,324
1703+0,000	8.303.430,598	383.800,849
1704+0,000	8.303.450,439	383.803,373
1705+0,000	8.303.470,279	383.805,897
1706+0,000	8.303.490,119	383.808,421

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1707+0,000	8.303.509,959	383.810,946
1708+0,000	8.303.529,799	383.813,470
1709+0,000	8.303.549,639	383.815,994
1710+0,000	8.303.569,479	383.818,518
1711+0,000	8.303.589,319	383.821,042
1712+0,000	8.303.609,159	383.823,567
1713+0,000	8.303.628,999	383.826,091
1714+0,000	8.303.648,839	383.828,615
1715+0,000	8.303.668,679	383.831,139
1716+0,000	8.303.688,519	383.833,663
1717+0,000	8.303.708,359	383.836,188
1718+0,000	8.303.728,199	383.838,712
1719+0,000	8.303.748,040	383.841,236
1720+0,000	8.303.767,880	383.843,760
1721+0,000	8.303.787,720	383.846,285
1722+0,000	8.303.807,560	383.848,809
1723+0,000	8.303.827,400	383.851,333
1724+0,000	8.303.847,240	383.853,857
1725+0,000	8.303.867,080	383.856,381
1726+0,000	8.303.886,920	383.858,906
1727+0,000	8.303.906,760	383.861,430
1728+0,000	8.303.926,600	383.863,954
1729+0,000	8.303.946,440	383.866,478
1730+0,000	8.303.966,280	383.869,002
1731+0,000	8.303.986,120	383.871,527
1732+0,000	8.304.005,960	383.874,051
1733+0,000	8.304.025,801	383.876,575
1734+0,000	8.304.045,641	383.879,099
1735+0,000	8.304.065,481	383.881,623
1736+0,000	8.304.085,321	383.884,148
1737+0,000	8.304.105,161	383.886,672
1738+0,000	8.304.125,001	383.889,196
1739+0,000	8.304.144,841	383.891,720
1740+0,000	8.304.164,681	383.894,245
1741+0,000	8.304.184,521	383.896,769
1742+0,000	8.304.204,361	383.899,293
1743+0,000	8.304.224,201	383.901,817
1744+0,000	8.304.244,041	383.904,341
1745+0,000	8.304.263,881	383.906,866
1746+0,000	8.304.283,721	383.909,390
1747+0,000	8.304.303,562	383.911,914

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1748+0,000	8.304.323,402	383.914,438
1749+0,000	8.304.343,242	383.916,962
1750+0,000	8.304.363,082	383.919,487
1751+0,000	8.304.382,922	383.922,011
1752+0,000	8.304.402,762	383.924,535
1753+0,000	8.304.422,602	383.927,059
1754+0,000	8.304.442,442	383.929,584
1755+0,000	8.304.462,282	383.932,108
1756+0,000	8.304.482,122	383.934,632
1757+0,000	8.304.501,962	383.937,156
1758+0,000	8.304.521,802	383.939,680
1759+0,000	8.304.541,642	383.942,205
1759+7,082 TE	8.304.548,668	383.943,098
1760+0,000	8.304.561,481	383.944,736
1761+0,000	8.304.581,307	383.947,371
1762+0,000	8.304.601,096	383.950,267
1763+0,000	8.304.620,819	383.953,581
1764+0,000	8.304.640,437	383.957,468
1764+7,082 EC	8.304.647,349	383.959,011
1765+0,000	8.304.659,898	383.962,075
1766+0,000	8.304.679,159	383.967,455
1767+0,000	8.304.698,190	383.973,601
1768+0,000	8.304.716,959	383.980,504
1769+0,000	8.304.735,438	383.988,151
1770+0,000	8.304.753,596	383.996,531
1771+0,000	8.304.771,405	384.005,631
1772+0,000	8.304.788,835	384.015,435
1773+0,000	8.304.805,860	384.025,929
1774+0,000	8.304.822,451	384.037,095
1775+0,000	8.304.838,582	384.048,916
1776+0,000	8.304.854,228	384.061,372
1777+0,000	8.304.869,363	384.074,444
1777+5,377 CE	8.304.873,342	384.078,060
1778+0,000	8.304.883,971	384.088,103
1779+0,000	8.304.898,104	384.102,253
1780+0,000	8.304.911,862	384.116,768
1781+0,000	8.304.925,356	384.131,530
1782+0,000	8.304.938,698	384.146,429
1782+5,377 ET	8.304.942,275	384.150,443
1783+0,000	8.304.952,001	384.161,363
1784+0,000	8.304.965,304	384.176,298

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1785+0,000	8.304.978,606	384.191,233
1786+0,000	8.304.991,909	384.206,167
1787+0,000	8.305.005,211	384.221,102
1788+0,000	8.305.018,513	384.236,037
1789+0,000	8.305.031,816	384.250,971
1790+0,000	8.305.045,118	384.265,906
1791+0,000	8.305.058,421	384.280,841
1792+0,000	8.305.071,723	384.295,775
1793+0,000	8.305.085,026	384.310,710
1794+0,000	8.305.098,328	384.325,645
1795+0,000	8.305.111,631	384.340,579
1796+0,000	8.305.124,933	384.355,514
1797+0,000	8.305.138,236	384.370,449
1798+0,000	8.305.151,538	384.385,383
1799+0,000	8.305.164,841	384.400,318
1800+0,000	8.305.178,143	384.415,253
1801+0,000	8.305.191,446	384.430,187
1802+0,000	8.305.204,748	384.445,122
1803+0,000	8.305.218,050	384.460,057
1804+0,000	8.305.231,353	384.474,991
1805+0,000	8.305.244,655	384.489,926
1806+0,000	8.305.257,958	384.504,861
1807+0,000	8.305.271,260	384.519,795
1808+0,000	8.305.284,563	384.534,730
1809+0,000	8.305.297,865	384.549,665
1810+0,000	8.305.311,168	384.564,599
1811+0,000	8.305.324,470	384.579,534
1812+0,000	8.305.337,773	384.594,469
1813+0,000	8.305.351,075	384.609,403
1814+0,000	8.305.364,378	384.624,338
1815+0,000	8.305.377,680	384.639,273
1816+0,000	8.305.390,982	384.654,207
1817+0,000	8.305.404,285	384.669,142
1818+0,000	8.305.417,587	384.684,077
1819+0,000	8.305.430,890	384.699,011
1820+0,000	8.305.444,192	384.713,946
1821+0,000	8.305.457,495	384.728,881
1822+0,000	8.305.470,797	384.743,815
1823+0,000	8.305.484,100	384.758,750
1824+0,000	8.305.497,402	384.773,685
1825+0,000	8.305.510,705	384.788,619

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1826+0,000	8.305.524,007	384.803,554
1827+0,000	8.305.537,310	384.818,489
1828+0,000	8.305.550,612	384.833,423
1829+0,000	8.305.563,915	384.848,358
1830+0,000	8.305.577,217	384.863,293
1831+0,000	8.305.590,519	384.878,227
1832+0,000	8.305.603,822	384.893,162
1833+0,000	8.305.617,124	384.908,097
1834+0,000	8.305.630,427	384.923,031
1835+0,000	8.305.643,729	384.937,966
1836+0,000	8.305.657,032	384.952,901
1837+0,000	8.305.670,334	384.967,836
1838+0,000	8.305.683,637	384.982,770
1839+0,000	8.305.696,939	384.997,705
1840+0,000	8.305.710,242	385.012,640
1841+0,000	8.305.723,544	385.027,574
1842+0,000	8.305.736,847	385.042,509
1843+0,000	8.305.750,149	385.057,444
1844+0,000	8.305.763,451	385.072,378
1845+0,000	8.305.776,754	385.087,313
1846+0,000	8.305.790,056	385.102,248
1847+0,000	8.305.803,359	385.117,182
1848+0,000	8.305.816,661	385.132,117
1849+0,000	8.305.829,964	385.147,052
1850+0,000	8.305.843,266	385.161,986
1851+0,000	8.305.856,569	385.176,921
1852+0,000	8.305.869,871	385.191,856
1853+0,000	8.305.883,174	385.206,790
1854+0,000	8.305.896,476	385.221,725
1855+0,000	8.305.909,779	385.236,660
1856+0,000	8.305.923,081	385.251,594
1857+0,000	8.305.936,383	385.266,529
1858+0,000	8.305.949,686	385.281,464
1859+0,000	8.305.962,988	385.296,398
1860+0,000	8.305.976,291	385.311,333
1861+0,000	8.305.989,593	385.326,268
1862+0,000	8.306.002,896	385.341,202
1863+0,000	8.306.016,198	385.356,137
1864+0,000	8.306.029,501	385.371,072
1865+0,000	8.306.042,803	385.386,006
1866+0,000	8.306.056,106	385.400,941

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1866+18,568 PC	8.306.068,455	385.414,806
1867+0,000	8.306.069,409	385.415,875
1868+0,000	8.306.082,824	385.430,708
1869+0,000	8.306.096,437	385.445,361
1870+0,000	8.306.110,243	385.459,830
1871+0,000	8.306.124,242	385.474,115
1872+0,000	8.306.138,429	385.488,211
1873+0,000	8.306.152,803	385.502,117
1873+18,929 PT	8.306.166,577	385.515,101
1874+0,000	8.306.167,361	385.515,831
1875+0,000	8.306.182,001	385.529,457
1876+0,000	8.306.196,641	385.543,083
1877+0,000	8.306.211,280	385.556,710
1878+0,000	8.306.225,920	385.570,336
1879+0,000	8.306.240,560	385.583,963
1880+0,000	8.306.255,199	385.597,589
1881+0,000	8.306.269,839	385.611,215
1882+0,000	8.306.284,479	385.624,842
1883+0,000	8.306.299,119	385.638,468
1884+0,000	8.306.313,758	385.652,095
1885+0,000	8.306.328,398	385.665,721
1886+0,000	8.306.343,038	385.679,347
1887+0,000	8.306.357,678	385.692,974
1888+0,000	8.306.372,317	385.706,600
1889+0,000	8.306.386,957	385.720,226
1890+0,000	8.306.401,597	385.733,853
1891+0,000	8.306.416,237	385.747,479
1892+0,000	8.306.430,876	385.761,106
1893+0,000	8.306.445,516	385.774,732
1894+0,000	8.306.460,156	385.788,358
1895+0,000	8.306.474,795	385.801,985
1896+0,000	8.306.489,435	385.815,611
1897+0,000	8.306.504,075	385.829,237
1898+0,000	8.306.518,715	385.842,864
1899+0,000	8.306.533,354	385.856,490
1900+0,000	8.306.547,994	385.870,117
1901+0,000	8.306.562,634	385.883,743
1902+0,000	8.306.577,274	385.897,369
1903+0,000	8.306.591,913	385.910,996
1904+0,000	8.306.606,553	385.924,622
1905+0,000	8.306.621,193	385.938,249

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1905+1,396 PC	8.306.622,215	385.939,200
1906+0,000	8.306.635,773	385.951,938
1907+0,000	8.306.650,217	385.965,772
1908+0,000	8.306.664,521	385.979,750
1909+0,000	8.306.678,685	385.993,871
1910+0,000	8.306.692,706	386.008,132
1911+0,000	8.306.706,585	386.022,533
1912+0,000	8.306.720,319	386.037,072
1912+4,373 PT	8.306.723,302	386.040,269
1913+0,000	8.306.733,951	386.051,706
1914+0,000	8.306.747,580	386.066,343
1915+0,000	8.306.761,209	386.080,980
1916+0,000	8.306.774,838	386.095,618
1917+0,000	8.306.788,467	386.110,255
1918+0,000	8.306.802,097	386.124,892
1919+0,000	8.306.815,726	386.139,529
1920+0,000	8.306.829,355	386.154,167
1921+0,000	8.306.842,984	386.168,804
1922+0,000	8.306.856,613	386.183,441
1923+0,000	8.306.870,242	386.198,078
1924+0,000	8.306.883,871	386.212,716
1925+0,000	8.306.897,500	386.227,353
1926+0,000	8.306.911,129	386.241,990
1927+0,000	8.306.924,758	386.256,627
1928+0,000	8.306.938,387	386.271,265
1929+0,000	8.306.952,016	386.285,902
1930+0,000	8.306.965,645	386.300,539
1931+0,000	8.306.979,274	386.315,176
1932+0,000	8.306.992,903	386.329,814
1933+0,000	8.307.006,532	386.344,451
1934+0,000	8.307.020,161	386.359,088
1935+0,000	8.307.033,790	386.373,725
1936+0,000	8.307.047,419	386.388,363
1937+0,000	8.307.061,048	386.403,000
1938+0,000	8.307.074,677	386.417,637
1939+0,000	8.307.088,306	386.432,274
1940+0,000	8.307.101,935	386.446,912
1941+0,000	8.307.115,564	386.461,549
1942+0,000	8.307.129,194	386.476,186
1943+0,000	8.307.142,823	386.490,823
1944+0,000	8.307.156,452	386.505,461

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1945+0,000	8.307.170,081	386.520,098
1946+0,000	8.307.183,710	386.534,735
1947+0,000	8.307.197,339	386.549,372
1948+0,000	8.307.210,968	386.564,010
1949+0,000	8.307.224,597	386.578,647
1950+0,000	8.307.238,226	386.593,284
1951+0,000	8.307.251,855	386.607,921
1952+0,000	8.307.265,484	386.622,559
1953+0,000	8.307.279,113	386.637,196
1954+0,000	8.307.292,742	386.651,833
1955+0,000	8.307.306,371	386.666,471
1956+0,000	8.307.320,000	386.681,108
1957+0,000	8.307.333,629	386.695,745
1958+0,000	8.307.347,258	386.710,382
1959+0,000	8.307.360,887	386.725,020
1960+0,000	8.307.374,516	386.739,657
1961+0,000	8.307.388,145	386.754,294
1962+0,000	8.307.401,774	386.768,931
1963+0,000	8.307.415,403	386.783,569
1964+0,000	8.307.429,032	386.798,206
1965+0,000	8.307.442,661	386.812,843
1966+0,000	8.307.456,291	386.827,480
1967+0,000	8.307.469,920	386.842,118
1968+0,000	8.307.483,549	386.856,755
1969+0,000	8.307.497,178	386.871,392
1970+0,000	8.307.510,807	386.886,029
1971+0,000	8.307.524,436	386.900,667
1972+0,000	8.307.538,065	386.915,304
1973+0,000	8.307.551,694	386.929,941
1974+0,000	8.307.565,323	386.944,578
1975+0,000	8.307.578,952	386.959,216
1976+0,000	8.307.592,581	386.973,853
1977+0,000	8.307.606,210	386.988,490
1978+0,000	8.307.619,839	387.003,127
1979+0,000	8.307.633,468	387.017,765
1980+0,000	8.307.647,097	387.032,402
1981+0,000	8.307.660,726	387.047,039
1982+0,000	8.307.674,355	387.061,676
1983+0,000	8.307.687,984	387.076,314
1984+0,000	8.307.701,613	387.090,951
1985+0,000	8.307.715,242	387.105,588

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
1986+0,000	8.307.728,871	387.120,225
1987+0,000	8.307.742,500	387.134,863
1988+0,000	8.307.756,129	387.149,500
1989+0,000	8.307.769,758	387.164,137
1990+0,000	8.307.783,387	387.178,774
1991+0,000	8.307.797,017	387.193,412
1992+0,000	8.307.810,646	387.208,049
1993+0,000	8.307.824,275	387.222,686
1994+0,000	8.307.837,904	387.237,323
1995+0,000	8.307.851,533	387.251,961
1996+0,000	8.307.865,162	387.266,598
1997+0,000	8.307.878,791	387.281,235
1998+0,000	8.307.892,420	387.295,872
1999+0,000	8.307.906,049	387.310,510
2000+0,000	8.307.919,678	387.325,147
2001+0,000	8.307.933,307	387.339,784
2002+0,000	8.307.946,936	387.354,421
2003+0,000	8.307.960,565	387.369,059
2004+0,000	8.307.974,194	387.383,696
2005+0,000	8.307.987,823	387.398,333
2006+0,000	8.308.001,452	387.412,971
2007+0,000	8.308.015,081	387.427,608
2008+0,000	8.308.028,710	387.442,245
2009+0,000	8.308.042,339	387.456,882
2010+0,000	8.308.055,968	387.471,520
2011+0,000	8.308.069,597	387.486,157
2012+0,000	8.308.083,226	387.500,794
2013+0,000	8.308.096,855	387.515,431
2014+0,000	8.308.110,484	387.530,069
2014+16,492 TE	8.308.121,723	387.542,138
2015+0,000	8.308.124,113	387.544,706
2016+0,000	8.308.137,667	387.559,413
2017+0,000	8.308.150,887	387.574,419
2017+16,492 EC	8.308.161,326	387.587,185
2018+0,000	8.308.163,474	387.589,959
2019+0,000	8.308.175,182	387.606,171
2020+0,000	8.308.185,944	387.623,025
2021+0,000	8.308.195,726	387.640,466
2022+0,000	8.308.204,497	387.658,438
2023+0,000	8.308.212,226	387.676,881
2024+0,000	8.308.218,890	387.695,735

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
2025+0,000	8.308.224,466	387.714,939
2025+9,627 CE	8.308.226,756	387.724,290
2026+0,000	8.308.228,944	387.734,429
2027+0,000	8.308.232,504	387.754,108
2028+0,000	8.308.235,508	387.773,881
2028+9,627 ET	8.308.236,866	387.783,412
2029+0,000	8.308.238,321	387.793,682
2030+0,000	8.308.241,128	387.813,484
2031+0,000	8.308.243,934	387.833,286
2032+0,000	8.308.246,741	387.853,089
2033+0,000	8.308.249,547	387.872,891
2034+0,000	8.308.252,354	387.892,693
2035+0,000	8.308.255,160	387.912,495
2036+0,000	8.308.257,966	387.932,297
2036+12,633 TE	8.308.259,739	387.944,805
2037+0,000	8.308.260,778	387.952,099
2038+0,000	8.308.263,824	387.971,865
2039+0,000	8.308.267,652	387.991,492
2039+12,633 EC	8.308.270,724	388.003,745
2040+0,000	8.308.272,811	388.010,810
2041+0,000	8.308.279,605	388.029,614
2042+0,000	8.308.288,007	388.047,756
2042+10,590 CE	8.308.293,086	388.057,048
2043+0,000	8.308.297,944	388.065,106
2044+0,000	8.308.309,115	388.081,692
2045+0,000	8.308.321,012	388.097,768
2045+10,590 ET	8.308.327,440	388.106,184
2046+0,000	8.308.333,162	388.113,654
2047+0,000	8.308.345,324	388.129,532
2048+0,000	8.308.357,485	388.145,409
2048+11,802 PC	8.308.364,662	388.154,779
2049+0,000	8.308.369,625	388.161,304
2050+0,000	8.308.381,544	388.177,363
2051+0,000	8.308.393,194	388.193,620
2052+0,000	8.308.404,572	388.210,068
2053+0,000	8.308.415,674	388.226,703
2054+0,000	8.308.426,497	388.243,522
2055+0,000	8.308.437,038	388.260,518
2055+0,252 PT	8.308.437,169	388.260,733
2056+0,000	8.308.447,434	388.277,604
2057+0,000	8.308.457,829	388.294,690

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
2058+0,000	8.308.468,225	388.311,776
2059+0,000	8.308.478,621	388.328,861
2060+0,000	8.308.489,017	388.345,947
2061+0,000	8.308.499,413	388.363,033
2062+0,000	8.308.509,808	388.380,119
2063+0,000	8.308.520,204	388.397,205
2064+0,000	8.308.530,600	388.414,291
2065+0,000	8.308.540,996	388.431,377
2066+0,000	8.308.551,391	388.448,463
2067+0,000	8.308.561,787	388.465,549
2068+0,000	8.308.572,183	388.482,635
2069+0,000	8.308.582,579	388.499,720
2070+0,000	8.308.592,975	388.516,806
2071+0,000	8.308.603,370	388.533,892
2072+0,000	8.308.613,766	388.550,978
2073+0,000	8.308.624,162	388.568,064
2074+0,000	8.308.634,558	388.585,150
2075+0,000	8.308.644,953	388.602,236
2076+0,000	8.308.655,349	388.619,322
2077+0,000	8.308.665,745	388.636,408
2078+0,000	8.308.676,141	388.653,494
2079+0,000	8.308.686,537	388.670,579
2080+0,000	8.308.696,932	388.687,665
2081+0,000	8.308.707,328	388.704,751
2082+0,000	8.308.717,724	388.721,837
2083+0,000	8.308.728,120	388.738,923
2084+0,000	8.308.738,515	388.756,009
2085+0,000	8.308.748,911	388.773,095
2086+0,000	8.308.759,307	388.790,181
2087+0,000	8.308.769,703	388.807,267
2088+0,000	8.308.780,098	388.824,352
2089+0,000	8.308.790,494	388.841,438
2090+0,000	8.308.800,890	388.858,524
2091+0,000	8.308.811,286	388.875,610
2092+0,000	8.308.821,682	388.892,696
2093+0,000	8.308.832,077	388.909,782
2094+0,000	8.308.842,473	388.926,868
2095+0,000	8.308.852,869	388.943,954
2096+0,000	8.308.863,265	388.961,040
2097+0,000	8.308.873,660	388.978,126
2098+0,000	8.308.884,056	388.995,211

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: MT-339/248

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
2099+0,000	8.308.894,452	389.012,297
2100+0,000	8.308.904,848	389.029,383
2101+0,000	8.308.915,244	389.046,469
2102+0,000	8.308.925,639	389.063,555
2103+0,000	8.308.936,035	389.080,641
2104+0,000	8.308.946,431	389.097,727
2105+0,000	8.308.956,827	389.114,813
2106+0,000	8.308.967,222	389.131,899
2107+0,000	8.308.977,618	389.148,985
2108+0,000	8.308.988,014	389.166,070
2109+0,000	8.308.998,410	389.183,156
2110+0,000	8.309.008,805	389.200,242
2111+0,000	8.309.019,201	389.217,328
2112+0,000	8.309.029,597	389.234,414
2113+0,000	8.309.039,993	389.251,500
2114+0,000	8.309.050,389	389.268,586
2115+0,000	8.309.060,784	389.285,672
2116+0,000	8.309.071,180	389.302,758
2117+0,000	8.309.081,576	389.319,844
2118+0,000	8.309.091,972	389.336,929
2119+0,000	8.309.102,367	389.354,015
2120+0,000	8.309.112,763	389.371,101
2121+0,000	8.309.123,159	389.388,187
2122+0,000	8.309.133,555	389.405,273
2123+0,000	8.309.143,951	389.422,359
2124+0,000	8.309.154,346	389.439,445
2125+0,000	8.309.164,742	389.456,531
2126+0,000	8.309.175,138	389.473,617
2127+0,000	8.309.185,534	389.490,702
2128+0,000	8.309.195,929	389.507,788
2129+0,000	8.309.206,325	389.524,874
2129+17,551	8.309.215,448	389.539,868

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: Acesso Entr. MT-339.248 / MT-170

(Alargamento da pista pavimentada)

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000	8.309.357,993	389.465,342
1+0,000	8.309.340,531	389.475,093
2+0,000	8.309.323,069	389.484,843
3+0,000	8.309.305,606	389.494,593
4+0,000	8.309.288,144	389.504,344
5+0,000	8.309.270,682	389.514,094
6+0,000	8.309.253,219	389.523,844
7+0,000	8.309.235,757	389.533,594
8+0,000	8.309.218,295	389.543,345
9+0,000	8.309.200,833	389.553,095
10+0,000	8.309.183,370	389.562,845
11+0,000	8.309.165,908	389.572,596
12+0,000	8.309.148,446	389.582,346
13+0,000	8.309.130,983	389.592,096
14+0,000	8.309.113,521	389.601,847
15+0,000	8.309.096,059	389.611,597
16+0,000	8.309.078,597	389.621,347
17+0,000	8.309.061,134	389.631,098
17+2,314	8.309.059,114	389.632,226

Relatório de Alinhamento Horizontal por Estaca

Alinhamento: Interseção 01 - Ramo 01

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000 PC	8.296.733,967	381.556,939
1+0,000	8.296.728,930	381.537,625
2+0,000	8.296.728,186	381.517,678
3+0,000	8.296.731,771	381.498,043
3+1,508 PCR	8.296.732,214	381.496,601
4+0,000	8.296.731,177	381.478,544
4+0,400 PT	8.296.731,010	381.478,180
5+0,000	8.296.722,718	381.460,421
6+0,000	8.296.714,257	381.442,299
7+0,000	8.296.705,796	381.424,177
7+5,780	8.296.703,350	381.418,940

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Relatório de Alinhamento Horizontal por Estaca

Alinhamento: Interseção 01 - Ramo 02

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000	8.296.609,933	381.506,612
1+0,000	8.296.628,839	381.500,211
2+0,000	8.296.648,684	381.498,065
3+0,000	8.296.668,521	381.500,277
4+0,000	8.296.687,405	381.506,742
4+18,238 PI	8.296.698,988	381.465,140
5+0,000	8.296.704,437	381.517,150
6+0,000	8.296.718,804	381.531,006
7+0,000	8.296.729,822	381.547,650
7+10,178	8.296.733,967	381.556,939

Relatório de Alinhamento Horizontal por Estaca

Alinhamento: Interseção 01 - Ramo 03

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000 PC	8.296.703,350	381.418,940
1+0,000	8.296.707,026	381.438,388
2+0,000	8.296.700,929	381.457,217
3+0,000	8.296.686,550	381.470,819
3+2,872 PT	8.296.683,992	381.472,123
4+0,000	8.296.668,466	381.479,354
5+0,000	8.296.650,335	381.487,797
6+0,000	8.296.632,205	381.496,240
7+0,000	8.296.614,074	381.504,683
7+4,568	8.296.609,933	381.506,612

Relatório de Alinhamento Horizontal por Estaca

Alinhamento: Interseção 01 - Rótula

COORDENADAS UTM FUSO 21 SIRGAS 2000

Estaca	Norte	Este
0+0,000 PI	8.296.731,823	381.480,126
1+0,000	8.296.731,051	381.499,598
2+0,000	8.296.716,710	381.512,793
3+0,000	8.296.697,242	381.511,943
4+0,000	8.296.684,105	381.497,549
5+0,000	8.296.685,033	381.478,084
6+0,000	8.296.699,479	381.465,005
7+0,000	8.296.718,940	381.466,011
7+19,593	8.296.731,823	381.480,126

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8.0 - DECLARAÇÃO DE RESPONSABILIDADE



DECLARAÇÃO DE RESPONSABILIDADE

Os Engenheiros, Hélio Marques de Arruda, CREA RNP 1204216495, Devarley João dos Santos Souza, CREA RNP 1217246070 e Rafael Del Grossi Soares, CREA RNP 1211589331 e a Engenheira Luana dos Santos Viana, CREA RNP 1217260951, responsáveis pelos serviços de elaboração do Projeto Executivo de Implantação e Pavimentação, **DECLARAMOS** que calculamos e verificamos os quantitativos relativos a **Rodovia MT-339/248**, Trecho: Entr. MT-175(A)(PU São José dos Quatro Marcos) - Entr. MT-170/247(A), com extensão de 42,60 km, pelo qual assumimos total responsabilidade.

HELIO MARQUES DE
ARRUDA:06479812115

Assinado de forma digital por HELIO MARQUES DE
ARRUDA:06479812115
DN: c=BR, o=ICP-Brasil, ou=AC SOLUTI Multipla v5,
ou=04094217000240, ou=Videoconferencia, ou=Certificado PF
A1, cn=HELIO MARQUES DE ARRUDA:06479812115
Dados: 2025.02.03 15:29:40 -04'00'

Engº Civil Hélio Marques de Arruda
CREA RNP 1204216495

DEVARLEY JOAO DOS SANTOS
SOUZA:35236167191

Assinado de forma digital por DEVARLEY JOAO DOS SANTOS
SOUZA:35236167191
DN: c=BR, o=ICP-Brasil, ou=AC SOLUTI Multipla v5,
ou=31488873000119, ou=Presencial, ou=Certificado PF A1,
cn=DEVARLEY JOAO DOS SANTOS SOUZA:35236167191
Dados: 2025.02.03 15:31:39 -04'00'

Engº Civil Devarley João dos Santos Souza
CREA RNP 1217246070

RAFAEL DEL GROSSI
SOARES:95608958187

Assinado de forma digital por RAFAEL DEL GROSSI
SOARES:95608958187
DN: c=BR, o=ICP-Brasil, ou=AC SOLUTI Multipla v5,
ou=16371018000130, ou=Videoconferencia, ou=Certificado PF
A1, cn=RAFAEL DEL GROSSI SOARES:95608958187
Dados: 2025.02.03 15:33:37 -04'00'

Engº Civil e Ambiental Rafael Del Grossi Soares
CREA RNP 1211589331

LUANA DOS SANTOS
VIANA:04819009184

Assinado de forma digital por LUANA DOS SANTOS
VIANA:04819009184
DN: c=BR, o=ICP-Brasil, ou=AC SOLUTI Multipla v5,
ou=16371018000130, ou=Videoconferencia, ou=Certificado PF A1,
cn=LUANA DOS SANTOS VIANA:04819009184
Dados: 2025.02.03 15:35:09 -04'00'

Engª Civil Luana dos Santos Viana
CREA RNP 1217260951

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9.0 - TERMO DE ENCERRAMENTO





9.0 - 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 Implantação e Pavimentação da Rodovia MT-339/248, Trecho: Entr. MT-175(A)(PU São José dos Quatro Marcos) - Entr. MT-170/247(A), com extensão de 42,60 km, possui **295** (duzentos e noventa e cinco) folhas numericamente ordenadas.

HELIO MARQUES DE
ARRUDA:06479812115

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Engº Civil Hélio Marques de Arruda
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Coordenador de Projetos

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