



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

PROJETO EXECUTIVO DE IMPLANTAÇÃO E PAVIMENTAÇÃO DA
RODOVIA MT-388

RODOVIA: MT-388

TRECHO: CAMPOS DE JULIO - RIO JURUENA (DIV. SAPEZAL/CAMPOS DE JÚLIO)

SUBTRECHO: ENTR. MT-235(B) (INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA

PONTAL MUNICÍPIO: CAMPOS DE JÚLIO-MT

EXTENSÃO: 12,7 km

CÓDIGO SRE: 388EEMT0070

VOLUME 3C – NOTAS DE SERVIÇO E CALCULO DE VOLUMES

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Volume 3C - Cálculo dos Volumes e Notas
de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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EXTENSÃO: 12,7 km

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Direção : SECRETARIA DE ESTADO DE INFRAESTRUTURA E LOGÍSTICA – SINFRA
Supervisão : SUPERINTENDÊNCIA DE PROJETO DE OBRAS RODOVIÁRIAS - SPOR
Coordenação : COORDENADORIA DE ANÁLISE E APROVAÇÃO DE PROJETOS - COPR
Direção : Secretaria Adjunta de Obras Rodoviárias - SAOR
Concessor : Secretaria de Estado de Infraestrutura e Logística de Mato Grosso
Contratante : Prefeitura Municipal de Campos de Júlio
Contrato : 01/2025
Elaboração : A.F. Projetos e Construções Ltda
Resp. Técnico : João Batista Domingues - Crea: Nº 120530566-1 - MT
ART nº : 1220250085700

VOLUME 3C – NOTAS DE SERVIÇO E CALCULO DE VOLUMES

ABRIL/2025



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Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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1. APRESENTAÇÃO



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A **PREFEITURA MUNICIPAL DE CAMPOS DE JÚLIO**, apresenta o Volume 3C – **Notas de Nervios e Cálculos dos Volumes** referentes ao Projeto Executivo de Implantação e Pavimentação da MT-388, Campos de Julio - Rio Juruena (div. Sapezal/Campos de Júlio), Subtrecho: Entr. Mt-235(B) (início PU C. de Júlio) - Entr. Rod. Linha Pontal com extensão de 12,7 km.

O Projeto foi concebido seguindo as orientações estabelecidas no Termo de Referência.

Este Projeto Final é constituído dos seguintes Volumes:

- Volume – 1: Relatório do Projeto e Documentos para Concorrência;
- Volume – 2: Projeto de Execução;
- Volume – 2.1: Seções Transversais;
- Volume – 3: Memória Justificativa;
- Volume – 3A: Estudos Geotécnicos;
- Volume – 3C: Notas de Serviço e Cálculo de Volumes;
- Volume – 4: Orçamento;

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2. MAPA DE SITUAÇÃO



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3. MARCOS, RNs E COORDENADAS DO EIXO



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3.1. Marcos e RN's



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RELAÇÃO DE MARCOS E RN'S									
NOME	ESTACA			Sirgas 2000 UTM			DIST. DO EIXO	LADO	
				NORTE	ESTE	ALTITUDE ORTOMÉTRICA.			
M-01	0	+	0,00	8.480.406,749	255.414,458	615,104	25,00	E	
M-02	4	+	0,00	8.480.412,702	255.518,449	612,295	10,00	E	
M-03	258	+	6,00	8.479.530,849	260.192,114	567,930	16,00	D	
M-04	263	+	6,00	8.479.433,615	260.217,498	567,914	13,00	D	
M-05	505	+	5,00	8.477.141,017	264.004,926	621,988	15,00	E	
M-06	510	+	16,00	8.477.113,636	264.112,775	622,100	15,00	E	
M-07	634	+	17,00	8.476.495,923	266.515,783	620,322	14,00	E	
M-08	635	+	0,00	8.476.417,270	266.505,384	620,547	65,00	D	
RN-01	27	+	11,00	8.480.410,769	255.990,439	599,789	18,00	E	
RN-02	56	+	5,00	8.480.399,671	256.564,427	585,989	18,00	E	
RN-03	79	+	0,00	8.480.387,705	257.020,221	580,890	15,00	E	
RN-04	103	+	0,00	8.480.374,620	257.498,009	574,099	11,00	E	
RN-05	130	+	6,00	8.480.360,762	258.045,493	567,810	7,00	E	
RN-06	154	+	0,00	8.480.354,098	258.514,838	560,878	10,00	E	
RN-07	180	+	5,00	8.480.346,291	259.044,376	550,836	12,00	E	
RN-08	206	+	0,00	8.480.250,729	259.546,759	544,708	18,00	D	
RN-09	236	+	0,00	8.479.943,552	260.043,648	564,028	8,00	D	
RN-10	283	+	6,00	8.479.066,961	260.380,386	571,012	10,00	D	
RN-11	307	+	12,00	8.478.621,836	260.574,965	575,038	16,00	D	
RN-12	332	+	0,00	8.478.179,828	260.774,642	578,290	17,00	D	
RN-13	355	+	17,00	8.477.881,008	261.110,948	583,957	12,00	E	
RN-14	384	+	16,00	8.477.738,766	261.671,650	589,540	14,00	E	
RN-15	408	+	9,00	8.477.622,436	262.128,867	596,563	15,00	E	
RN-16	438	+	0,00	8.477.476,804	262.702,824	606,597	16,00	E	
RN-17	460	+	0,00	8.477.368,749	263.126,343	614,297	17,00	E	
RN-18	481	+	14,00	8.477.259,760	263.549,133	619,560	16,00	E	
RN-19	537	+	17,00	8.476.979,554	264.637,359	622,187	15,00	E	
RN-20	567	+	14,00	8.476.830,777	265.214,981	622,759	15,00	E	
RN-21	591	+	6,00	8.476.713,113	265.672,258	623,099	15,00	E	
RN-22	619	+	16,00	8.476.570,860	266.224,658	622,360	14,00	E	

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3.2. Coordenadas do Eix



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Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
0+0,000	8.480.403,104	255.439,579	48+0,000	8.480.384,846	256.399,405
1+0,000	8.480.402,724	255.459,575	49+0,000	8.480.384,466	256.419,401
2+0,000	8.480.402,343	255.479,571	50+0,000	8.480.384,086	256.439,398
3+0,000	8.480.401,963	255.499,568	51+0,000	8.480.383,705	256.459,394
4+0,000	8.480.401,583	255.519,564	52+0,000	8.480.383,325	256.479,390
5+0,000	8.480.401,202	255.539,560	53+0,000	8.480.382,944	256.499,387
6+0,000	8.480.400,822	255.559,557	54+0,000	8.480.382,564	256.519,383
7+0,000	8.480.400,442	255.579,553	55+0,000	8.480.382,184	256.539,380
8+0,000	8.480.400,061	255.599,550	56+0,000	8.480.381,803	256.559,376
9+0,000	8.480.399,681	255.619,546	57+0,000	8.480.381,423	256.579,372
10+0,000	8.480.399,300	255.639,542	58+0,000	8.480.381,043	256.599,369
11+0,000	8.480.398,920	255.659,539	59+0,000	8.480.380,662	256.619,365
12+0,000	8.480.398,540	255.679,535	60+0,000	8.480.380,282	256.639,362
13+0,000	8.480.398,159	255.699,532	61+0,000	8.480.379,902	256.659,358
14+0,000	8.480.397,779	255.719,528	62+0,000	8.480.379,521	256.679,354
15+0,000	8.480.397,399	255.739,524	63+0,000	8.480.379,141	256.699,351
16+0,000	8.480.397,018	255.759,521	64+0,000	8.480.378,760	256.719,347
17+0,000	8.480.396,638	255.779,517	65+0,000	8.480.378,380	256.739,343
18+0,000	8.480.396,257	255.799,513	66+0,000	8.480.378,000	256.759,340
19+0,000	8.480.395,877	255.819,510	67+0,000	8.480.377,619	256.779,336
20+0,000	8.480.395,497	255.839,506	68+0,000	8.480.377,239	256.799,333
21+0,000	8.480.395,116	255.859,503	69+0,000	8.480.376,859	256.819,329
22+0,000	8.480.394,736	255.879,499	70+0,000	8.480.376,478	256.839,325
23+0,000	8.480.394,356	255.899,495	71+0,000	8.480.376,098	256.859,322
24+0,000	8.480.393,975	255.919,492	72+0,000	8.480.375,717	256.879,318
25+0,000	8.480.393,595	255.939,488	73+0,000	8.480.375,337	256.899,314
26+0,000	8.480.393,214	255.959,484	74+0,000	8.480.374,957	256.919,311
27+0,000	8.480.392,834	255.979,481	75+0,000	8.480.374,576	256.939,307
28+0,000	8.480.392,454	255.999,477	76+0,000	8.480.374,196	256.959,304
29+0,000	8.480.392,073	256.019,474	77+0,000	8.480.373,816	256.979,300
30+0,000	8.480.391,693	256.039,470	78+0,000	8.480.373,435	256.999,296
31+0,000	8.480.391,313	256.059,466	79+0,000	8.480.373,055	257.019,293
32+0,000	8.480.390,932	256.079,463	80+0,000	8.480.372,674	257.039,289
33+0,000	8.480.390,552	256.099,459	81+0,000	8.480.372,294	257.059,286
34+0,000	8.480.390,172	256.119,456	82+0,000	8.480.371,914	257.079,282
35+0,000	8.480.389,791	256.139,452	83+0,000	8.480.371,533	257.099,278
36+0,000	8.480.389,411	256.159,448	84+0,000	8.480.371,153	257.119,275
37+0,000	8.480.389,030	256.179,445	85+0,000	8.480.370,773	257.139,271
38+0,000	8.480.388,650	256.199,441	86+0,000	8.480.370,392	257.159,267
39+0,000	8.480.388,270	256.219,437	87+0,000	8.480.370,012	257.179,264
40+0,000	8.480.387,889	256.239,434	88+0,000	8.480.369,632	257.199,260
41+0,000	8.480.387,509	256.259,430	89+0,000	8.480.369,251	257.219,257
42+0,000	8.480.387,129	256.279,427	90+0,000	8.480.368,871	257.239,253
43+0,000	8.480.386,748	256.299,423	91+0,000	8.480.368,490	257.259,249
44+0,000	8.480.386,368	256.319,419	92+0,000	8.480.368,110	257.279,246
45+0,000	8.480.385,987	256.339,416	93+0,000	8.480.367,730	257.299,242
46+0,000	8.480.385,607	256.359,412	94+0,000	8.480.367,349	257.319,239
47+0,000	8.480.385,227	256.379,409	95+0,000	8.480.366,969	257.339,235

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Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

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COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
96+0,000	8.480.366,589	257.359,231	144+0,000	8.480.348,331	258.319,058
97+0,000	8.480.366,208	257.379,228	145+0,000	8.480.347,950	258.339,054
98+0,000	8.480.365,828	257.399,224	146+0,000	8.480.347,570	258.359,050
99+0,000	8.480.365,447	257.419,220	147+0,000	8.480.347,190	258.379,047
100+0,000	8.480.365,067	257.439,217	148+0,000	8.480.346,809	258.399,043
101+0,000	8.480.364,687	257.459,213	149+0,000	8.480.346,429	258.419,040
102+0,000	8.480.364,306	257.479,210	150+0,000	8.480.346,049	258.439,036
103+0,000	8.480.363,926	257.499,206	151+0,000	8.480.345,668	258.459,032
104+0,000	8.480.363,546	257.519,202	152+0,000	8.480.345,288	258.479,029
105+0,000	8.480.363,165	257.539,199	153+0,000	8.480.344,907	258.499,025
106+0,000	8.480.362,785	257.559,195	154+0,000	8.480.344,527	258.519,021
107+0,000	8.480.362,404	257.579,191	155+0,000	8.480.344,147	258.539,018
108+0,000	8.480.362,024	257.599,188	156+0,000	8.480.343,766	258.559,014
109+0,000	8.480.361,644	257.619,184	157+0,000	8.480.343,386	258.579,011
110+0,000	8.480.361,263	257.639,181	158+0,000	8.480.343,006	258.599,007
111+0,000	8.480.360,883	257.659,177	159+0,000	8.480.342,625	258.619,003
112+0,000	8.480.360,503	257.679,173	160+0,000	8.480.342,245	258.639,000
113+0,000	8.480.360,122	257.699,170	161+0,000	8.480.341,864	258.658,996
114+0,000	8.480.359,742	257.719,166	162+0,000	8.480.341,484	258.678,993
115+0,000	8.480.359,361	257.739,163	163+0,000	8.480.341,104	258.698,989
116+0,000	8.480.358,981	257.759,159	164+0,000	8.480.340,723	258.718,985
117+0,000	8.480.358,601	257.779,155	165+0,000	8.480.340,343	258.738,982
118+0,000	8.480.358,220	257.799,152	166+0,000	8.480.339,963	258.758,978
119+0,000	8.480.357,840	257.819,148	167+0,000	8.480.339,582	258.778,974
120+0,000	8.480.357,460	257.839,144	168+0,000	8.480.339,202	258.798,971
121+0,000	8.480.357,079	257.859,141	169+0,000	8.480.338,821	258.818,967
122+0,000	8.480.356,699	257.879,137	170+0,000	8.480.338,441	258.838,964
123+0,000	8.480.356,319	257.899,134	171+0,000	8.480.338,061	258.858,960
124+0,000	8.480.355,938	257.919,130	172+0,000	8.480.337,680	258.878,956
125+0,000	8.480.355,558	257.939,126	173+0,000	8.480.337,300	258.898,953
126+0,000	8.480.355,177	257.959,123	174+0,000	8.480.336,920	258.918,949
127+0,000	8.480.354,797	257.979,119	175+0,000	8.480.336,539	258.938,946
128+0,000	8.480.354,417	257.999,116	176+0,000	8.480.336,159	258.958,942
129+0,000	8.480.354,036	258.019,112	177+0,000	8.480.335,778	258.978,938
130+0,000	8.480.353,656	258.039,108	178+0,000	8.480.335,398	258.998,935
131+0,000	8.480.353,276	258.059,105	179+0,000	8.480.335,018	259.018,931
132+0,000	8.480.352,895	258.079,101	180+0,000	8.480.334,637	259.038,927
133+0,000	8.480.352,515	258.099,097	181+0,000	8.480.334,257	259.058,924
134+0,000	8.480.352,134	258.119,094	182+0,000	8.480.333,877	259.078,920
135+0,000	8.480.351,754	258.139,090	183+0,000	8.480.333,496	259.098,917
136+0,000	8.480.351,374	258.159,087	184+0,000	8.480.333,116	259.118,913
137+0,000	8.480.350,993	258.179,083	185+0,000	8.480.332,736	259.138,909
138+0,000	8.480.350,613	258.199,079	186+0,000	8.480.332,355	259.158,906
139+0,000	8.480.350,233	258.219,076	187+0,000	8.480.331,975	259.178,902
140+0,000	8.480.349,852	258.239,072	187+10,074 TE	8.480.331,783	259.188,974
141+0,000	8.480.349,472	258.259,068	188+0,000	8.480.331,589	259.198,898
142+0,000	8.480.349,091	258.279,065	189+0,000	8.480.331,074	259.218,892
143+0,000	8.480.348,711	258.299,061	189+10,074 EC	8.480.330,689	259.228,958

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Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



SINFRACAP202650475A



COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
190+0,000	8.480.330,191	259.238,872	228+0,000	8.480.048,563	259.930,316
191+0,000	8.480.328,814	259.258,824	229+0,000	8.480.036,217	259.946,050
192+0,000	8.480.326,938	259.278,735	230+0,000	8.480.023,870	259.961,784
193+0,000	8.480.324,565	259.298,593	231+0,000	8.480.011,524	259.977,518
194+0,000	8.480.321,696	259.318,386	231+12,484 TE	8.480.003,817	259.987,339
195+0,000	8.480.318,334	259.338,101	232+0,000	8.479.999,174	259.993,250
195+19,432 CE	8.480.314,596	259.357,169	233+0,000	8.479.986,680	260.008,867
196+0,000	8.480.314,480	259.357,725	233+12,484 EC	8.479.978,663	260.018,436
197+0,000	8.480.310,180	259.377,257	234+0,000	8.479.973,718	260.024,096
197+19,432 ET	8.480.305,774	259.396,183	235+0,000	8.479.960,105	260.038,746
198+0,000	8.480.305,644	259.396,736	236+0,000	8.479.945,855	260.052,777
199+0,000	8.480.301,071	259.416,206	237+0,000	8.479.930,995	260.066,161
200+0,000	8.480.296,497	259.435,676	238+0,000	8.479.915,556	260.078,872
201+0,000	8.480.291,924	259.455,146	239+0,000	8.479.899,567	260.090,884
202+0,000	8.480.287,350	259.474,616	240+0,000	8.479.883,060	260.102,174
203+0,000	8.480.282,777	259.494,086	241+0,000	8.479.866,068	260.112,719
204+0,000	8.480.278,203	259.513,556	242+0,000	8.479.848,624	260.122,499
204+3,756 TE	8.480.277,344	259.517,213	243+0,000	8.479.830,763	260.131,494
205+0,000	8.480.273,595	259.533,018	244+0,000	8.479.812,520	260.139,687
206+0,000	8.480.268,671	259.552,402	245+0,000	8.479.793,931	260.147,061
206+3,756 EC	8.480.267,679	259.556,025	246+0,000	8.479.775,032	260.153,602
207+0,000	8.480.263,082	259.571,604	247+0,000	8.479.755,862	260.159,296
208+0,000	8.480.256,730	259.590,567	247+3,697 CE	8.479.752,291	260.160,256
209+0,000	8.480.249,625	259.609,261	248+0,000	8.479.736,467	260.164,173
210+0,000	8.480.241,778	259.627,656	249+0,000	8.479.716,949	260.168,538
211+0,000	8.480.233,202	259.645,722	249+3,697 ET	8.479.713,336	260.169,323
211+4,195 CE	8.480.231,312	259.649,468	250+0,000	8.479.697,405	260.172,783
212+0,000	8.480.223,940	259.663,447	251+0,000	8.479.677,861	260.177,028
213+0,000	8.480.214,251	259.680,943	252+0,000	8.479.658,316	260.181,273
213+4,195 ET	8.480.212,197	259.684,602	253+0,000	8.479.638,772	260.185,518
214+0,000	8.480.204,460	259.698,383	254+0,000	8.479.619,228	260.189,763
215+0,000	8.480.194,669	259.715,822	255+0,000	8.479.599,683	260.194,008
216+0,000	8.480.184,877	259.733,262	256+0,000	8.479.580,139	260.198,253
216+4,750 TE	8.480.182,552	259.737,403	257+0,000	8.479.560,595	260.202,498
217+0,000	8.480.175,072	259.750,693	258+0,000	8.479.541,051	260.206,743
218+0,000	8.480.165,118	259.768,040	259+0,000	8.479.521,506	260.210,988
218+4,750 EC	8.480.162,712	259.772,135	260+0,000	8.479.501,962	260.215,233
219+0,000	8.480.154,841	259.785,197	260+12,957 TE	8.479.489,300	260.217,983
220+0,000	8.480.144,186	259.802,122	261+0,000	8.479.482,418	260.219,481
221+0,000	8.480.133,157	259.818,806	262+0,000	8.479.462,903	260.223,857
222+0,000	8.480.121,761	259.835,241	262+12,957 EC	8.479.450,310	260.226,907
223+0,000	8.480.110,002	259.851,418	263+0,000	8.479.443,492	260.228,670
223+3,114 CE	8.480.108,138	259.853,913	264+0,000	8.479.424,247	260.234,113
224+0,000	8.480.097,904	259.867,344	265+0,000	8.479.405,195	260.240,194
225+0,000	8.480.085,602	259.883,113	266+0,000	8.479.386,356	260.246,906
225+3,114 ET	8.480.083,680	259.885,563	267+0,000	8.479.367,751	260.254,243
226+0,000	8.480.073,256	259.898,847	267+0,469 CE	8.479.367,318	260.254,422
227+0,000	8.480.060,909	259.914,582	268+0,000	8.479.349,381	260.262,148

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

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SINFRACAP202650475A



COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
269+0,000	8.479.331,147	260.270,365	316+0,000	8.478.475,313	260.659,143
269+0,469 ET	8.479.330,720	260.270,559	317+0,000	8.478.457,104	260.667,415
270+0,000	8.479.312,938	260.278,637	318+0,000	8.478.438,894	260.675,687
271+0,000	8.479.294,728	260.286,909	319+0,000	8.478.420,685	260.683,959
272+0,000	8.479.276,519	260.295,181	320+0,000	8.478.402,476	260.692,231
273+0,000	8.479.258,310	260.303,453	321+0,000	8.478.384,267	260.700,503
274+0,000	8.479.240,101	260.311,725	322+0,000	8.478.366,058	260.708,774
275+0,000	8.479.221,891	260.319,997	323+0,000	8.478.347,848	260.717,046
276+0,000	8.479.203,682	260.328,268	324+0,000	8.478.329,639	260.725,318
277+0,000	8.479.185,473	260.336,540	325+0,000	8.478.311,430	260.733,590
278+0,000	8.479.167,264	260.344,812	326+0,000	8.478.293,221	260.741,862
279+0,000	8.479.149,055	260.353,084	327+0,000	8.478.275,011	260.750,134
280+0,000	8.479.130,845	260.361,356	328+0,000	8.478.256,802	260.758,406
281+0,000	8.479.112,636	260.369,628	329+0,000	8.478.238,593	260.766,678
282+0,000	8.479.094,427	260.377,900	330+0,000	8.478.220,384	260.774,949
283+0,000	8.479.076,218	260.386,172	331+0,000	8.478.202,174	260.783,221
284+0,000	8.479.058,008	260.394,443	332+0,000	8.478.183,965	260.791,493
285+0,000	8.479.039,799	260.402,715	333+0,000	8.478.165,756	260.799,765
286+0,000	8.479.021,590	260.410,987	334+0,000	8.478.147,547	260.808,037
287+0,000	8.479.003,381	260.419,259	335+0,000	8.478.129,337	260.816,309
288+0,000	8.478.985,171	260.427,531	336+0,000	8.478.111,128	260.824,581
289+0,000	8.478.966,962	260.435,803	337+0,000	8.478.092,919	260.832,852
290+0,000	8.478.948,753	260.444,075	338+0,000	8.478.074,710	260.841,124
291+0,000	8.478.930,544	260.452,347	339+0,000	8.478.056,501	260.849,396
292+0,000	8.478.912,335	260.460,618	339+17,639 TE	8.478.040,441	260.856,691
293+0,000	8.478.894,125	260.468,890	340+0,000	8.478.038,291	260.857,668
294+0,000	8.478.875,916	260.477,162	341+0,000	8.478.020,166	260.866,120
295+0,000	8.478.857,707	260.485,434	341+17,639 EC	8.478.004,518	260.874,256
296+0,000	8.478.839,498	260.493,706	342+0,000	8.478.002,465	260.875,422
297+0,000	8.478.821,288	260.501,978	343+0,000	8.477.985,569	260.886,112
298+0,000	8.478.803,079	260.510,250	344+0,000	8.477.969,642	260.898,200
299+0,000	8.478.784,870	260.518,521	345+0,000	8.477.954,801	260.911,597
300+0,000	8.478.766,661	260.526,793	346+0,000	8.477.941,152	260.926,208
301+0,000	8.478.748,451	260.535,065	347+0,000	8.477.928,795	260.941,926
302+0,000	8.478.730,242	260.543,337	348+0,000	8.477.917,818	260.958,637
303+0,000	8.478.712,033	260.551,609	349+0,000	8.477.908,302	260.976,221
304+0,000	8.478.693,824	260.559,881	350+0,000	8.477.900,315	260.994,551
305+0,000	8.478.675,614	260.568,153	350+7,543 CE	8.477.897,712	261.001,630
306+0,000	8.478.657,405	260.576,425	351+0,000	8.477.893,882	261.013,482
307+0,000	8.478.639,196	260.584,696	352+0,000	8.477.888,561	261.032,760
308+0,000	8.478.620,987	260.592,968	352+7,543 ET	8.477.886,678	261.040,065
309+0,000	8.478.602,778	260.601,240	353+0,000	8.477.883,582	261.052,131
310+0,000	8.478.584,568	260.609,512	354+0,000	8.477.878,611	261.071,503
311+0,000	8.478.566,359	260.617,784	355+0,000	8.477.873,640	261.090,875
312+0,000	8.478.548,150	260.626,056	356+0,000	8.477.868,669	261.110,248
313+0,000	8.478.529,941	260.634,328	357+0,000	8.477.863,698	261.129,620
314+0,000	8.478.511,731	260.642,599	358+0,000	8.477.858,727	261.148,992
315+0,000	8.478.493,522	260.650,871	359+0,000	8.477.853,756	261.168,365

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



SINFRACAP202650475A



COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
360+0,000	8.477.848,785	261.187,737	408+0,000	8.477.610,173	262.117,610
361+0,000	8.477.843,813	261.207,110	409+0,000	8.477.605,201	262.136,983
362+0,000	8.477.838,842	261.226,482	410+0,000	8.477.600,230	262.156,355
363+0,000	8.477.833,871	261.245,854	411+0,000	8.477.595,259	262.175,728
364+0,000	8.477.828,900	261.265,227	412+0,000	8.477.590,288	262.195,100
365+0,000	8.477.823,929	261.284,599	413+0,000	8.477.585,317	262.214,472
366+0,000	8.477.818,958	261.303,971	414+0,000	8.477.580,346	262.233,845
367+0,000	8.477.813,987	261.323,344	415+0,000	8.477.575,375	262.253,217
368+0,000	8.477.809,016	261.342,716	416+0,000	8.477.570,404	262.272,589
369+0,000	8.477.804,045	261.362,088	417+0,000	8.477.565,433	262.291,962
370+0,000	8.477.799,074	261.381,461	418+0,000	8.477.560,462	262.311,334
371+0,000	8.477.794,103	261.400,833	419+0,000	8.477.555,491	262.330,706
372+0,000	8.477.789,132	261.420,206	420+0,000	8.477.550,520	262.350,079
373+0,000	8.477.784,160	261.439,578	421+0,000	8.477.545,548	262.369,451
374+0,000	8.477.779,189	261.458,950	422+0,000	8.477.540,577	262.388,824
375+0,000	8.477.774,218	261.478,323	423+0,000	8.477.535,606	262.408,196
376+0,000	8.477.769,247	261.497,695	424+0,000	8.477.530,635	262.427,568
377+0,000	8.477.764,276	261.517,067	425+0,000	8.477.525,664	262.446,941
378+0,000	8.477.759,305	261.536,440	426+0,000	8.477.520,693	262.466,313
379+0,000	8.477.754,334	261.555,812	427+0,000	8.477.515,722	262.485,685
380+0,000	8.477.749,363	261.575,184	428+0,000	8.477.510,751	262.505,058
381+0,000	8.477.744,392	261.594,557	429+0,000	8.477.505,780	262.524,430
382+0,000	8.477.739,421	261.613,929	430+0,000	8.477.500,809	262.543,802
383+0,000	8.477.734,450	261.633,301	431+0,000	8.477.495,838	262.563,175
384+0,000	8.477.729,479	261.652,674	432+0,000	8.477.490,867	262.582,547
385+0,000	8.477.724,507	261.672,046	433+0,000	8.477.485,895	262.601,919
386+0,000	8.477.719,536	261.691,419	434+0,000	8.477.480,924	262.621,292
387+0,000	8.477.714,565	261.710,791	435+0,000	8.477.475,953	262.640,664
388+0,000	8.477.709,594	261.730,163	436+0,000	8.477.470,982	262.660,037
389+0,000	8.477.704,623	261.749,536	437+0,000	8.477.466,011	262.679,409
390+0,000	8.477.699,652	261.768,908	438+0,000	8.477.461,040	262.698,781
391+0,000	8.477.694,681	261.788,280	439+0,000	8.477.456,069	262.718,154
392+0,000	8.477.689,710	261.807,653	440+0,000	8.477.451,098	262.737,526
393+0,000	8.477.684,739	261.827,025	441+0,000	8.477.446,127	262.756,898
394+0,000	8.477.679,768	261.846,397	442+0,000	8.477.441,156	262.776,271
395+0,000	8.477.674,797	261.865,770	443+0,000	8.477.436,185	262.795,643
396+0,000	8.477.669,826	261.885,142	444+0,000	8.477.431,214	262.815,015
397+0,000	8.477.664,854	261.904,515	445+0,000	8.477.426,242	262.834,388
398+0,000	8.477.659,883	261.923,887	446+0,000	8.477.421,271	262.853,760
399+0,000	8.477.654,912	261.943,259	447+0,000	8.477.416,300	262.873,133
400+0,000	8.477.649,941	261.962,632	448+0,000	8.477.411,329	262.892,505
401+0,000	8.477.644,970	261.982,004	449+0,000	8.477.406,358	262.911,877
402+0,000	8.477.639,999	262.001,376	450+0,000	8.477.401,387	262.931,250
403+0,000	8.477.635,028	262.020,749	451+0,000	8.477.396,416	262.950,622
404+0,000	8.477.630,057	262.040,121	452+0,000	8.477.391,445	262.969,994
405+0,000	8.477.625,086	262.059,493	453+0,000	8.477.386,474	262.989,367
406+0,000	8.477.620,115	262.078,866	454+0,000	8.477.381,503	263.008,739
407+0,000	8.477.615,144	262.098,238	455+0,000	8.477.376,532	263.028,111

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



SINFRACAP202650475A





COORDENADAS DO EIXO - MT 388			COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este	Estaca	Norte	Este
456+0,000	8.477.371,561	263.047,484	504+0,000	8.477.132,949	263.977,357
457+0,000	8.477.366,589	263.066,856	505+0,000	8.477.127,977	263.996,729
458+0,000	8.477.361,618	263.086,228	506+0,000	8.477.123,006	264.016,102
459+0,000	8.477.356,647	263.105,601	507+0,000	8.477.118,035	264.035,474
460+0,000	8.477.351,676	263.124,973	508+0,000	8.477.113,064	264.054,846
461+0,000	8.477.346,705	263.144,346	509+0,000	8.477.108,093	264.074,219
462+0,000	8.477.341,734	263.163,718	510+0,000	8.477.103,122	264.093,591
463+0,000	8.477.336,763	263.183,090	511+0,000	8.477.098,151	264.112,964
464+0,000	8.477.331,792	263.202,463	512+0,000	8.477.093,180	264.132,336
465+0,000	8.477.326,821	263.221,835	513+0,000	8.477.088,209	264.151,708
466+0,000	8.477.321,850	263.241,207	514+0,000	8.477.083,238	264.171,081
467+0,000	8.477.316,879	263.260,580	515+0,000	8.477.078,267	264.190,453
468+0,000	8.477.311,908	263.279,952	516+0,000	8.477.073,295	264.209,825
469+0,000	8.477.306,936	263.299,324	517+0,000	8.477.068,324	264.229,198
470+0,000	8.477.301,965	263.318,697	518+0,000	8.477.063,353	264.248,570
471+0,000	8.477.296,994	263.338,069	519+0,000	8.477.058,382	264.267,942
472+0,000	8.477.292,023	263.357,442	520+0,000	8.477.053,411	264.287,315
473+0,000	8.477.287,052	263.376,814	521+0,000	8.477.048,440	264.306,687
474+0,000	8.477.282,081	263.396,186	522+0,000	8.477.043,469	264.326,059
475+0,000	8.477.277,110	263.415,559	523+0,000	8.477.038,498	264.345,432
476+0,000	8.477.272,139	263.434,931	524+0,000	8.477.033,527	264.364,804
477+0,000	8.477.267,168	263.454,303	525+0,000	8.477.028,556	264.384,177
478+0,000	8.477.262,197	263.473,676	526+0,000	8.477.023,585	264.403,549
479+0,000	8.477.257,226	263.493,048	527+0,000	8.477.018,614	264.422,921
480+0,000	8.477.252,255	263.512,420	528+0,000	8.477.013,642	264.442,294
481+0,000	8.477.247,283	263.531,793	529+0,000	8.477.008,671	264.461,666
482+0,000	8.477.242,312	263.551,165	530+0,000	8.477.003,700	264.481,038
483+0,000	8.477.237,341	263.570,537	531+0,000	8.476.998,729	264.500,411
484+0,000	8.477.232,370	263.589,910	532+0,000	8.476.993,758	264.519,783
485+0,000	8.477.227,399	263.609,282	533+0,000	8.476.988,787	264.539,155
486+0,000	8.477.222,428	263.628,655	534+0,000	8.476.983,816	264.558,528
487+0,000	8.477.217,457	263.648,027	535+0,000	8.476.978,845	264.577,900
488+0,000	8.477.212,486	263.667,399	536+0,000	8.476.973,874	264.597,273
489+0,000	8.477.207,515	263.686,772	537+0,000	8.476.968,903	264.616,645
490+0,000	8.477.202,544	263.706,144	538+0,000	8.476.963,932	264.636,017
491+0,000	8.477.197,573	263.725,516	539+0,000	8.476.958,961	264.655,390
492+0,000	8.477.192,602	263.744,889	540+0,000	8.476.953,989	264.674,762
493+0,000	8.477.187,630	263.764,261	541+0,000	8.476.949,018	264.694,134
494+0,000	8.477.182,659	263.783,633	542+0,000	8.476.944,047	264.713,507
495+0,000	8.477.177,688	263.803,006	543+0,000	8.476.939,076	264.732,879
496+0,000	8.477.172,717	263.822,378	544+0,000	8.476.934,105	264.752,251
497+0,000	8.477.167,746	263.841,751	545+0,000	8.476.929,134	264.771,624
498+0,000	8.477.162,775	263.861,123	546+0,000	8.476.924,163	264.790,996
499+0,000	8.477.157,804	263.880,495	547+0,000	8.476.919,192	264.810,368
500+0,000	8.477.152,833	263.899,868	548+0,000	8.476.914,221	264.829,741
501+0,000	8.477.147,862	263.919,240	549+0,000	8.476.909,250	264.849,113
502+0,000	8.477.142,891	263.938,612	550+0,000	8.476.904,279	264.868,486
503+0,000	8.477.137,920	263.957,985	551+0,000	8.476.899,308	264.887,858

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

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COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este
552+0,000	8.476.894,336	264.907,230
553+0,000	8.476.889,365	264.926,603
554+0,000	8.476.884,394	264.945,975
555+0,000	8.476.879,423	264.965,347
556+0,000	8.476.874,452	264.984,720
557+0,000	8.476.869,481	265.004,092
558+0,000	8.476.864,510	265.023,464
559+0,000	8.476.859,539	265.042,837
560+0,000	8.476.854,568	265.062,209
561+0,000	8.476.849,597	265.081,582
562+0,000	8.476.844,626	265.100,954
563+0,000	8.476.839,655	265.120,326
564+0,000	8.476.834,683	265.139,699
565+0,000	8.476.829,712	265.159,071
566+0,000	8.476.824,741	265.178,443
567+0,000	8.476.819,770	265.197,816
568+0,000	8.476.814,799	265.217,188
569+0,000	8.476.809,828	265.236,560
570+0,000	8.476.804,857	265.255,933
571+0,000	8.476.799,886	265.275,305
572+0,000	8.476.794,915	265.294,677
573+0,000	8.476.789,944	265.314,050
574+0,000	8.476.784,973	265.333,422
575+0,000	8.476.780,002	265.352,795
576+0,000	8.476.775,030	265.372,167
577+0,000	8.476.770,059	265.391,539
578+0,000	8.476.765,088	265.410,912
579+0,000	8.476.760,117	265.430,284
580+0,000	8.476.755,146	265.449,656
581+0,000	8.476.750,175	265.469,029
582+0,000	8.476.745,204	265.488,401
583+0,000	8.476.740,233	265.507,773
584+0,000	8.476.735,262	265.527,146
585+0,000	8.476.730,291	265.546,518
586+0,000	8.476.725,320	265.565,891
587+0,000	8.476.720,349	265.585,263
588+0,000	8.476.715,377	265.604,635
589+0,000	8.476.710,406	265.624,008
590+0,000	8.476.705,435	265.643,380
591+0,000	8.476.700,464	265.662,752
592+0,000	8.476.695,493	265.682,125
593+0,000	8.476.690,522	265.701,497
594+0,000	8.476.685,551	265.720,869
595+0,000	8.476.680,580	265.740,242
596+0,000	8.476.675,609	265.759,614
597+0,000	8.476.670,638	265.778,986
598+0,000	8.476.665,667	265.798,359
599+0,000	8.476.660,696	265.817,731

COORDENADAS DO EIXO - MT 388		
Estaca	Norte	Este
600+0,000	8.476.655,724	265.837,104
601+0,000	8.476.650,753	265.856,476
602+0,000	8.476.645,782	265.875,848
603+0,000	8.476.640,811	265.895,221
604+0,000	8.476.635,840	265.914,593
605+0,000	8.476.630,869	265.933,965
606+0,000	8.476.625,898	265.953,338
607+0,000	8.476.620,927	265.972,710
608+0,000	8.476.615,956	265.992,082
609+0,000	8.476.610,985	266.011,455
610+0,000	8.476.606,014	266.030,827
611+0,000	8.476.601,043	266.050,200
612+0,000	8.476.596,071	266.069,572
613+0,000	8.476.591,100	266.088,944
614+0,000	8.476.586,129	266.108,317
615+0,000	8.476.581,158	266.127,689
616+0,000	8.476.576,187	266.147,061
617+0,000	8.476.571,216	266.166,434
618+0,000	8.476.566,245	266.185,806
619+0,000	8.476.561,274	266.205,178
620+0,000	8.476.556,303	266.224,551
621+0,000	8.476.551,332	266.243,923
622+0,000	8.476.546,361	266.263,295
623+0,000	8.476.541,390	266.282,668
624+0,000	8.476.536,418	266.302,040
625+0,000	8.476.531,447	266.321,413
626+0,000	8.476.526,476	266.340,785
627+0,000	8.476.521,505	266.360,157
628+0,000	8.476.516,534	266.379,530
629+0,000	8.476.511,563	266.398,902
630+0,000	8.476.506,592	266.418,274
631+0,000	8.476.501,621	266.437,647
632+0,000	8.476.496,650	266.457,019
633+0,000	8.476.491,679	266.476,391
634+0,000	8.476.486,708	266.495,764
635+0,000	8.476.481,737	266.515,136
635+0,000	8.476.481,737	266.515,136

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

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3.3. Coordenadas do Eixo da Interseção



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COORDENADAS DO EIXO - ROTULA		
Estaca	Norte	Este
0+0,000	8.480.430,407	255.436,295
1+0,000	8.480.421,316	255.418,973
2+0,000	8.480.403,009	255.412,079
3+0,000	8.480.384,750	255.419,100
4+0,000	8.480.375,779	255.436,483
4+3,102 PCC	8.480.375,604	255.439,579
5+0,000	8.480.380,635	255.455,433
6+0,000	8.480.396,860	255.466,360
7+0,000	8.480.416,245	255.463,735
8+0,000	8.480.428,981	255.448,887
8+12,788	8.480.430,407	255.436,295

COORDENADAS DO EIXO - RAMO 02		
Estaca	Norte	Este
0+0,000	8.480.342,052	255.450,495
0+7,498 PI	8.480.349,516	255.449,775
0+11,638 PC	8.480.353,637	255.449,377
1+0,000	8.480.361,983	255.449,453
2+0,000	8.480.380,460	255.456,539
3+0,000	8.480.393,222	255.471,663
3+18,584 PT	8.480.397,151	255.489,654
4+0,000	8.480.397,124	255.491,070
4+8,405	8.480.396,964	255.499,473

COORDENADAS DO EIXO - RAMO 03		
Estaca	Norte	Este
0+0,000	8.480.406,962	255.499,663
0+0,921 PC	8.480.406,980	255.498,742
1+0,000	8.480.410,281	255.480,029
2+0,000	8.480.419,709	255.462,491
3+0,000	8.480.434,261	255.448,900
4+0,000	8.480.452,400	255.440,688
4+10,165 PT	8.480.462,390	255.438,879
4+12,904	8.480.465,117	255.438,616

COORDENADAS DO EIXO - RAMO 03		
Estaca	Norte	Este
0+0,000	8.480.406,962	255.499,663
0+0,921 PC	8.480.406,980	255.498,742
1+0,000	8.480.410,281	255.480,029
2+0,000	8.480.419,709	255.462,491
3+0,000	8.480.434,261	255.448,900
4+0,000	8.480.452,400	255.440,688
4+10,165 PT	8.480.462,390	255.438,879
4+12,904	8.480.465,117	255.438,616

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4. NOTAS DE SERVIÇO



Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388

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4.1. Notas de Serviço de Pavimentação

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



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Nota de Serviço de Pavimentação															
MT 388 0+0,000 635+0,000															
Lado Esquerdo								Eixo							
Acostamento				Pista				Pontos Notáveis da Geometria Horizontal				Pontos Notáveis da Geometria Vertical			
Offset	Acostamento	Pista		Offset	Acostamento	Pista		Offset	Acostamento	Pista		Offset	Acostamento	Pista	
Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)
-7,039	612,618	-5,800	613,444	-3,00	-3,50	613,513	-3,00	3+0,000	613,513	612,964	0,654	3,50	5,800	613,444	-3,00
-6,971	612,050	-5,800	612,830	-3,00	-3,50	612,899	-3,00	4+0,000	613,004	612,093	0,912	3,50	5,800	612,830	-3,00
-6,667	611,638	-5,800	612,216	-3,00	-3,50	612,285	-3,00	5+0,000	612,390	611,334	1,056	3,50	5,800	612,216	-3,00
-6,496	611,138	-5,800	611,602	-3,00	-3,50	611,671	-3,00	6+0,000	611,776	610,704	1,072	3,50	5,800	611,602	-3,00
-6,495	610,570	-5,800	610,988	-3,00	-3,50	611,057	-3,00	7+0,000	611,162	610,243	0,919	3,50	5,800	610,988	-3,00
-6,833	610,294	-5,800	610,374	-3,00	-3,50	610,443	-3,00	8+0,000	610,548	610,051	0,496	3,50	5,800	610,374	-3,00
-7,234	610,090	-5,800	609,768	-3,00	-3,50	609,837	-3,00	9+0,000	609,942	609,338	0,004	3,50	5,800	609,768	-3,00
-7,584	609,852	-5,800	609,180	-3,00	-3,50	609,249	-3,00	10+0,000	609,354	609,684	-0,330	3,50	5,800	609,180	-3,00
-6,979	608,676	-5,800	608,609	-3,00	-3,50	608,678	-3,00	11+0,000	608,783	608,586	0,197	3,50	5,800	608,609	-3,00
-6,658	607,801	-5,800	608,056	-3,00	-3,50	608,125	-3,00	12+0,000	608,230	607,513	0,717	3,50	5,800	608,056	-3,00
-6,512	607,110	-5,800	607,511	-3,00	-3,50	607,580	-3,00	13+0,000	607,685	606,902	0,782	3,50	5,800	607,511	-3,00
-6,600	606,432	-5,800	606,966	-3,00	-3,50	607,035	-3,00	14+0,000	607,140	606,378	0,762	3,50	5,800	606,966	-3,00
-7,170	606,693	-5,800	606,436	-3,00	-3,50	606,505	-3,00	15+0,000	606,610	605,789	0,821	3,50	5,800	606,436	-3,00
-6,776	605,799	-5,800	605,936	-3,00	-3,50	606,005	-3,00	16+0,000	606,110	605,127	0,983	3,50	5,800	605,936	-3,00
-6,874	605,427	-5,800	605,466	-3,00	-3,50	605,535	-3,00	17+0,000	605,640	604,637	1,003	3,50	5,800	605,466	-3,00
-6,576	604,508	-5,800	605,026	-3,00	-3,50	605,095	-3,00	18+0,000	605,200	604,085	1,115	3,50	5,800	605,026	-3,00
-6,502	604,133	-5,800	604,601	-3,00	-3,50	604,670	-3,00	19+0,000	604,775	603,694	1,080	3,50	5,800	604,601	-3,00
-6,502	603,765	-5,800	604,176	-3,00	-3,50	604,245	-3,00	20+0,000	604,350	603,549	0,801	3,50	5,800	604,176	-3,00
-6,867	603,698	-5,800	603,744	-3,00	-3,50	603,813	-3,00	21+0,000	603,918	603,488	0,429	3,50	5,800	603,744	-3,00
-6,814	603,197	-5,800	603,296	-3,00	-3,50	603,365	-3,00	22+0,000	603,470	603,231	0,239	3,50	5,800	603,296	-3,00
-6,588	602,510	-5,800	602,835	-3,00	-3,50	602,904	-3,00	23+0,000	603,009	602,605	0,403	3,50	5,800	602,835	-3,00
-6,649	601,792	-5,800	602,358	-3,00	-3,50	602,427	-3,00	24+0,000	602,532	602,062	0,470	3,50	5,800	602,358	-3,00
-6,752	601,239	-5,800	601,874	-3,00	-3,50	601,943	-3,00	25+0,000	602,048	601,502	0,546	3,50	5,800	601,874	-3,00
-6,784	600,734	-5,800	601,390	-3,00	-3,50	601,459	-3,00	26+0,000	601,564	600,989	0,574	3,50	5,800	601,390	-3,00
-6,585	600,382	-5,800	600,906	-3,00	-3,50	600,975	-3,00	27+0,000	601,080	600,507	0,573	3,50	5,800	600,906	-3,00
-6,694	599,826	-5,800	600,422	-3,00	-3,50	600,491	-3,00	28+0,000	600,596	599,970	0,626	3,50	5,800	600,422	-3,00
-6,881	599,217	-5,800	599,938	-3,00	-3,50	600,007	-3,00	29+0,000	600,112	599,489	0,623	3,50	5,800	599,938	-3,00
-7,081	598,600	-5,800	599,454	-3,00	-3,50	599,523	-3,00	30+0,000	599,628	598,980	0,648	3,50	5,800	599,454	-3,00
-7,109	598,097	-5,800	598,970	-3,00	-3,50	599,039	-3,00	31+0,000	599,144	598,344	0,799	3,50	5,800	598,970	-3,00
-7,300	597,425	-5,800	598,486	-3,00	-3,50	598,555	-3,00	32+0,000	598,660	597,749	0,910	3,50	5,800	598,486	-3,00
-7,331	596,981	-5,800	598,002	-3,00	-3,50	598,071	-3,00	33+0,000	598,176	597,257	0,918	3,50	5,800	598,002	-3,00
-7,173	596,602	-5,800	597,518	-3,00	-3,50	597,587	-3,00	34+0,000	597,692	596,837	0,855	3,50	5,800	597,518	-3,00
-7,264	596,058	-5,800	597,033	-3,00	-3,50	597,102	-3,00	35+0,000	597,207	596,395	0,812	3,50	5,800	597,033	-3,00
-7,405	595,479	-5,800	596,549	-3,00	-3,50	596,618	-3,00	36+0,000	596,723	595,919	0,805	3,50	5,800	596,549	-3,00
-7,174	595,150	-5,800	596,065	-3,00	-3,50	596,134	-3,00	37+0,000	596,239	595,387	0,853	3,50	5,800	596,065	-3,00
-6,887	594,858	-5,800	595,583	-3,00	-3,50	595,652	-3,00	38+0,000	595,757	594,811	0,946	3,50	5,800	595,583	-3,00
-7,214	594,162	-5,800	595,403	-3,00	-3,50	595,172	-3,00	39+0,000	595,277	594,206	0,906	3,50	5,800	595,403	-3,00
-7,354	593,589	-5,800	594,625	-3,00	-3,50	594,694	-3,00	40+0,000	594,799	593,787	1,012	3,50	5,800	594,625	-3,00
-7,261	593,177	-5,800	594,151	-3,00	-3,50	594,220	-3,00	41+0,000	594,325	593,381	0,944	3,50	5,800	594,151	-3,00
-7,406	592,608	-5,800	593,679	-3,00	-3,50	593,748	-3,00	42+0,000	593,853	592,666	1,187	3,50	5,800	593,679	-3,00
-6,844	592,073	-5,800	593,209	-3,00	-3,50	593,278	-3,00	43+0,000	593,383	592,096	1,287	3,50	5,800	593,209	-3,00





Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Eixo														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Acostamento			Pista		Pontos Notáveis da Geometria Vertical			Pista		Acostamento		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Incl. (%)	Cota (m)	Offset
-7.832	591.387	-5.800	592.741	-3.00	-3.50	592.810	-3.00	44+0+000	591.290	1.625	3.50	-3.00	580	592.741
-8.203	590.671	-5.800	592.273	-3.00	-3.50	592.342	-3.00	45+0+000	592.447	1.818	3.50	-3.00	580	592.273
-8.311	590.131	-5.800	591.805	-3.00	-3.50	591.874	-3.00	46+0+000	590.093	1.886	3.50	-3.00	580	591.805
-8.264	589.694	-5.800	591.337	-3.00	-3.50	591.406	-3.00	47+0+000	591.579	1.886	3.50	-3.00	580	591.337
-7.855	589.499	-5.800	590.869	-3.00	-3.50	590.938	-3.00	48+0+000	591.043	1.727	3.50	-3.00	580	590.869
-8.143	588.839	-5.800	590.401	-3.00	-3.50	590.470	-3.00	49+0+000	589.601	1.442	3.50	-3.00	580	590.401
-7.830	588.580	-5.800	589.933	-3.00	-3.50	590.002	-3.00	50+0+000	589.104	1.170	3.50	-3.00	580	589.933
-7.892	588.070	-5.800	589.465	-3.00	-3.50	589.534	-3.00	51+0+000	588.661	1.003	3.50	-3.00	580	589.465
-8.011	587.523	-5.800	588.997	-3.00	-3.50	589.066	-3.00	52+0+000	588.201	0.969	3.50	-3.00	580	588.997
-7.679	587.276	-5.800	588.529	-3.00	-3.50	588.598	-3.00	53+0+000	587.727	0.976	3.50	-3.00	580	588.529
-7.904	586.670	-5.800	588.073	-3.00	-3.50	588.142	-3.00	54+0+000	587.277	0.970	3.50	-3.00	580	588.073
-7.360	586.602	-5.800	587.642	-3.00	-3.50	587.711	-3.00	55+0+000	586.821	0.996	3.50	-3.00	580	587.642
-7.530	586.083	-5.800	587.236	-3.00	-3.50	587.305	-3.00	56+0+000	586.440	0.970	3.50	-3.00	580	587.236
-7.432	585.767	-5.800	586.855	-3.00	-3.50	586.924	-3.00	57+0+000	586.099	0.931	3.50	-3.00	580	586.855
-7.528	585.347	-5.800	586.499	-3.00	-3.50	586.568	-3.00	58+0+000	585.736	0.937	3.50	-3.00	580	586.499
-7.543	585.005	-5.800	586.168	-3.00	-3.50	586.237	-3.00	59+0+000	585.408	0.934	3.50	-3.00	580	586.168
-7.736	584.663	-5.800	585.849	-3.00	-3.50	585.918	-3.00	60+0+000	585.099	0.924	3.50	-3.00	580	585.849
-7.736	584.239	-5.800	585.530	-3.00	-3.50	585.599	-3.00	61+0+000	585.704	0.904	3.50	-3.00	580	585.530
-7.363	584.169	-5.800	585.211	-3.00	-3.50	585.280	-3.00	62+0+000	584.480	0.905	3.50	-3.00	580	585.211
-7.737	583.880	-5.800	584.892	-3.00	-3.50	584.961	-3.00	63+0+000	584.149	0.917	3.50	-3.00	580	584.892
-7.900	583.172	-5.800	584.573	-3.00	-3.50	584.642	-3.00	64+0+000	583.747	0.985	3.50	-3.00	580	584.573
-7.484	583.131	-5.800	584.254	-3.00	-3.50	584.323	-3.00	65+0+000	583.454	0.974	3.50	-3.00	580	584.254
-7.226	582.999	-5.800	583.950	-3.00	-3.50	584.019	-3.00	66+0+000	583.160	0.965	3.50	-3.00	580	583.950
-7.572	582.497	-5.800	583.679	-3.00	-3.50	583.748	-3.00	67+0+000	583.353	0.996	3.50	-3.00	580	583.679
-7.360	582.399	-5.800	583.439	-3.00	-3.50	583.508	-3.00	68+0+000	583.113	1.040	3.50	-3.00	580	583.439
-7.257	582.259	-5.800	583.230	-3.00	-3.50	583.299	-3.00	69+0+000	583.044	1.042	3.50	-3.00	580	583.230
-7.357	582.016	-5.800	583.054	-3.00	-3.50	583.123	-3.00	70+0+000	582.728	0.974	3.50	-3.00	580	583.054
-7.228	581.956	-5.800	582.908	-3.00	-3.50	582.977	-3.00	71+0+000	582.556	0.827	3.50	-3.00	580	582.908
-7.246	581.815	-5.800	582.779	-3.00	-3.50	582.848	-3.00	72+0+000	582.336	0.717	3.50	-3.00	580	582.779
-7.434	581.561	-5.800	582.650	-3.00	-3.50	582.719	-3.00	73+0+000	581.779	1.045	3.50	-3.00	580	582.650
-7.532	581.355	-5.800	582.510	-3.00	-3.50	582.579	-3.00	74+0+000	581.684	0.996	3.50	-3.00	580	582.510
-7.498	581.216	-5.800	582.348	-3.00	-3.50	582.417	-3.00	75+0+000	581.591	0.931	3.50	-3.00	580	582.348
-7.215	581.222	-5.800	582.165	-3.00	-3.50	582.234	-3.00	76+0+000	581.435	0.904	3.50	-3.00	580	582.165
-7.153	581.059	-5.800	581.961	-3.00	-3.50	582.030	-3.00	77+0+000	581.135	0.995	3.50	-3.00	580	581.961
-7.197	580.804	-5.800	581.735	-3.00	-3.50	581.804	-3.00	78+0+000	580.907	1.002	3.50	-3.00	580	581.735
-7.028	580.670	-5.800	581.488	-3.00	-3.50	581.557	-3.00	79+0+000	581.062	0.977	3.50	-3.00	580	581.488
-7.346	580.200	-5.800	581.231	-3.00	-3.50	581.300	-3.00	80+0+000	581.405	1.035	3.50	-3.00	580	581.231
-7.318	579.961	-5.800	580.973	-3.00	-3.50	581.042	-3.00	81+0+000	581.147	1.096	3.50	-3.00	580	580.973
-7.200	579.782	-5.800	580.715	-3.00	-3.50	580.784	-3.00	82+0+000	580.889	1.009	3.50	-3.00	580	580.715
-7.223	579.509	-5.800	580.458	-3.00	-3.50	580.527	-3.00	83+0+000	580.632	1.019	3.50	-3.00	580	580.458
-7.781	578.880	-5.800	580.200	-3.00	-3.50	580.269	-3.00	84+0+000	580.374	1.120	3.50	-3.00	580	580.200

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Eixo														
Lado Esquerdo					Lado Direito					Lado Direito				
Acostamento					Pista					Acostamento				
Offset	Cota (m)		Incl. (%)		Afast. (m)	Incl. (%)		Cota (m)		Afast. (m)	Incl. (%)		Cota (m)	
Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)	Offset	Afast. (m)
-7,673	578,694	-5,800	579,942	-3,00	-3,50	580,011	-3,00	85+0,000						
-7,797	578,354	-5,800	579,685	-3,00	-3,50	579,754	-3,00	86+0,000						
-7,683	578,172	-5,800	579,427	-3,00	-3,50	579,496	-3,00	87+0,000						
-7,998	577,704	-5,800	579,169	-3,00	-3,50	579,238	-3,00	88+0,000						
-7,851	577,545	-5,800	578,912	-3,00	-3,50	578,981	-3,00	89+0,000						
-7,681	577,400	-5,800	578,654	-3,00	-3,50	578,723	-3,00	90+0,000						
-7,428	577,310	-5,800	578,396	-3,00	-3,50	578,465	-3,00	91+0,000						
-7,270	577,157	-5,800	578,137	-3,00	-3,50	578,206	-3,00	92+0,000						
-7,200	576,944	-5,800	577,877	-3,00	-3,50	577,946	-3,00	93+0,000						
-7,034	576,795	-5,800	577,618	-3,00	-3,50	577,687	-3,00	94+0,000						
-7,003	576,555	-5,800	577,357	-3,00	-3,50	577,426	-3,00	95+0,000						
-7,164	576,188	-5,800	577,097	-3,00	-3,50	577,166	-3,00	96+0,000						
-7,227	575,885	-5,800	576,836	-3,00	-3,50	576,905	-3,00	97+0,000						
-7,453	575,474	-5,800	576,576	-3,00	-3,50	576,645	-3,00	98+0,000						
-7,395	575,252	-5,800	576,315	-3,00	-3,50	576,384	-3,00	99+0,000						
-7,002	575,253	-5,800	576,055	-3,00	-3,50	576,124	-3,00	100+0,000						
-6,957	575,023	-5,800	575,794	-3,00	-3,50	575,863	-3,00	101+0,000						
-7,395	574,470	-5,800	575,534	-3,00	-3,50	575,603	-3,00	102+0,000						
-7,338	574,248	-5,800	575,273	-3,00	-3,50	575,342	-3,00	103+0,000						
-7,015	574,203	-5,800	575,013	-3,00	-3,50	575,082	-3,00	104+0,000						
-7,184	573,830	-5,800	574,752	-3,00	-3,50	574,821	-3,00	105+0,000						
-7,162	573,584	-5,800	574,492	-3,00	-3,50	574,561	-3,00	106+0,000						
-7,101	573,364	-5,800	574,231	-3,00	-3,50	574,300	-3,00	107+0,000						
-6,970	573,191	-5,800	573,971	-3,00	-3,50	574,040	-3,00	108+0,000						
-6,950	572,944	-5,800	573,710	-3,00	-3,50	573,779	-3,00	109+0,000						
-7,281	572,462	-5,800	573,450	-3,00	-3,50	573,519	-3,00	110+0,000						
-7,249	572,223	-5,800	573,189	-3,00	-3,50	573,258	-3,00	111+0,000						
-7,106	572,058	-5,800	572,929	-3,00	-3,50	572,998	-3,00	112+0,000						
-7,779	571,349	-5,800	572,668	-3,00	-3,50	572,737	-3,00	113+0,000						
-8,149	570,842	-5,800	572,408	-3,00	-3,50	572,477	-3,00	114+0,000						
-7,909	570,744	-5,800	572,150	-3,00	-3,50	572,219	-3,00	115+0,000						
-7,749	570,599	-5,800	571,898	-3,00	-3,50	571,967	-3,00	116+0,000						
-7,792	570,324	-5,800	571,651	-3,00	-3,50	571,720	-3,00	117+0,000						
-7,764	570,101	-5,800	571,411	-3,00	-3,50	571,480	-3,00	118+0,000						
-7,976	569,725	-5,800	571,175	-3,00	-3,50	571,244	-3,00	119+0,000						
-7,472	569,830	-5,800	570,945	-3,00	-3,50	571,014	-3,00	120+0,000						
-7,047	569,887	-5,800	570,718	-3,00	-3,50	570,787	-3,00	121+0,000						
-6,792	569,830	-5,800	570,491	-3,00	-3,50	570,560	-3,00	122+0,000						
-6,773	569,616	-5,800	570,264	-3,00	-3,50	570,333	-3,00	123+0,000						
-6,513	569,637	-5,800	570,037	-3,00	-3,50	570,106	-3,00	124+0,000						
-6,632	569,293	-5,800	569,810	-3,00	-3,50	569,879	-3,00	125+0,000						

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
Documento Nº: 37394456-4124 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=37394456-4124>



Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Acostamento			Pista		Estaca			Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Terreno
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Incl. (%)								
-6.751	568.949	-5.800	569.583	-3.00	-3.50	569.652	-3.00	126+0.000						569.757
-6.797	568.691	-5.800	569.356	-3.00	-3.50	569.425	-3.00	127+0.000						569.530
-7.311	568.122	-5.800	569.129	-3.00	-3.50	569.198	-3.00	128+0.000						569.303
-8.591	567.041	-5.800	568.902	-3.00	-3.50	568.971	-3.00	129+0.000						569.076
-7.267	567.696	-5.800	568.675	-3.00	-3.50	568.744	-3.00	130+0.000			PCV			568.849
-7.269	567.471	-5.800	568.444	-3.00	-3.50	568.513	-3.00	131+0.000						568.618
-7.383	567.150	-5.800	568.205	-3.00	-3.50	568.274	-3.00	132+0.000						568.379
-7.050	567.125	-5.800	567.958	-3.00	-3.50	568.027	-3.00	133+0.000						568.132
-7.140	566.810	-5.800	567.704	-3.00	-3.50	567.773	-3.00	134+0.000						567.878
-7.421	566.361	-5.800	567.442	-3.00	-3.50	567.511	-3.00	135+0.000						567.616
-7.427	566.088	-5.800	567.172	-3.00	-3.50	567.241	-3.00	136+0.000			PTV			567.346
-7.054	566.062	-5.800	566.898	-3.00	-3.50	566.967	-3.00	137+0.000						567.072
-7.242	565.663	-5.800	566.625	-3.00	-3.50	566.694	-3.00	138+0.000						566.799
-7.369	565.150	-5.800	566.351	-3.00	-3.50	566.420	-3.00	139+0.000						566.525
-7.155	565.174	-5.800	566.077	-3.00	-3.50	566.146	-3.00	140+0.000						566.251
-7.588	564.611	-5.800	565.803	-3.00	-3.50	565.872	-3.00	141+0.000						565.977
-7.636	564.305	-5.800	565.529	-3.00	-3.50	565.598	-3.00	142+0.000						565.703
-7.240	564.295	-5.800	565.256	-3.00	-3.50	565.325	-3.00	143+0.000						565.430
-7.551	563.814	-5.800	564.982	-3.00	-3.50	565.051	-3.00	144+0.000			PCV			565.156
-7.182	563.781	-5.800	564.702	-3.00	-3.50	564.771	-3.00	145+0.000						564.876
-7.094	563.549	-5.800	564.412	-3.00	-3.50	564.481	-3.00	146+0.000						563.896
-7.477	562.992	-5.800	564.110	-3.00	-3.50	564.179	-3.00	147+0.000						564.284
-6.864	563.088	-5.800	563.798	-3.00	-3.50	563.867	-3.00	148+0.000						563.972
-7.193	562.545	-5.800	563.474	-3.00	-3.50	563.543	-3.00	149+0.000						563.648
-6.866	562.428	-5.800	563.138	-3.00	-3.50	563.207	-3.00	150+0.000						563.312
-6.789	562.133	-5.800	562.792	-3.00	-3.50	562.861	-3.00	151+0.000						562.966
-6.876	561.718	-5.800	562.435	-3.00	-3.50	562.504	-3.00	152+0.000						562.609
-7.022	561.252	-5.800	562.066	-3.00	-3.50	562.135	-3.00	153+0.000						562.240
-6.974	560.904	-5.800	561.687	-3.00	-3.50	561.756	-3.00	154+0.000			PTV			561.861
-7.061	560.460	-5.800	561.301	-3.00	-3.50	561.370	-3.00	155+0.000						561.475
-7.120	560.036	-5.800	560.916	-3.00	-3.50	560.985	-3.00	156+0.000						561.090
-7.053	559.695	-5.800	560.531	-3.00	-3.50	560.600	-3.00	157+0.000						560.705
-7.039	559.320	-5.800	560.146	-3.00	-3.50	560.215	-3.00	158+0.000						560.320
-6.985	558.971	-5.800	559.760	-3.00	-3.50	559.829	-3.00	159+0.000						559.934
-6.500	558.962	-5.800	559.375	-3.00	-3.50	559.444	-3.00	160+0.000						559.549
-6.909	558.986	-5.800	558.990	-3.00	-3.50	559.059	-3.00	161+0.000						559.164
-6.853	558.545	-5.800	558.605	-3.00	-3.50	558.674	-3.00	162+0.000						558.779
-6.640	557.947	-5.800	558.219	-3.00	-3.50	558.288	-3.00	163+0.000						558.393
-6.487	557.376	-5.800	557.834	-3.00	-3.50	557.903	-3.00	164+0.000						558.008
-6.792	556.788	-5.800	557.449	-3.00	-3.50	557.518	-3.00	165+0.000						557.623
-7.008	556.258	-5.800	557.064	-3.00	-3.50	557.133	-3.00	166+0.000						557.238

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Nota de Serviço de Pavimentação

MT 388 0+0,000 635+0,000

Eixo										Lado Direito									
Lado Esquerdo					Pista					Acostamento					Offset				
Acostamento					Pista					Acostamento					Offset				
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7,692	541,796	-6,194	542,794	5,72	-3,89	542,663	5,72	196+0,000											
-7,709	541,469	-6,094	542,546	4,27	-3,79	542,448	4,27	196+10,000											
-8,002	541,134	-5,994	542,326	2,82	-3,69	542,261	2,82	197+0,000											
-8,782	540,717	-5,894	542,122	1,37	-3,59	542,090	1,37	197+10,000											
-8,193	540,337	-5,800	541,932	0,00	-3,50	541,932	0,00	197+19,432											
-8,210	540,314	-5,800	541,921	-0,08	-3,50	541,923	-0,08	198+0,000											
-8,630	539,706	-5,800	541,593	-2,98	-3,50	541,662	-2,98	199+0,000											
-8,630	539,679	-5,800	541,566	-2,98	-3,50	541,635	-2,98	199+13,229											
-9,781	538,922	-5,800	541,576	-3,00	-3,50	541,645	-3,00	200+0,000											
-9,000	539,570	-5,800	541,703	-3,00	-3,50	541,772	-3,00	201+0,000											
-8,649	540,075	-5,800	541,974	-3,00	-3,50	542,043	-3,00	202+0,000											
-7,972	540,940	-5,800	542,388	-3,00	-3,50	542,457	-3,00	203+0,000											
-7,135	542,189	-5,800	543,079	-0,71	-3,50	543,095	-0,71	204+0,000											
-6,965	542,464	-5,800	543,241	0,00	-3,50	543,241	0,00	204+3,756											
-6,733	542,921	-5,831	543,522	1,19	-3,53	543,495	1,19	204+10,000											
-6,538	543,645	-5,881	544,003	3,09	-3,58	543,932	3,09	205+0,000											
-6,839	544,442	-5,931	544,522	4,99	-3,63	544,407	4,99	205+10,000											
-7,146	545,280	-5,981	545,079	6,89	-3,68	544,920	6,89	206+0,000											
-7,252	545,593	-6,000	545,295	7,60	-3,70	545,120	7,60	206+3,756											
-7,508	546,135	-6,000	545,581	7,60	-3,70	545,406	7,60	206+10,000											
-7,550	546,635	-6,000	546,039	7,60	-3,70	545,865	7,60	207+0,000											
-7,571	547,115	-6,000	546,498	7,60	-3,70	546,323	7,60	207+10,000											
-7,755	547,757	-6,000	546,956	7,60	-3,70	546,781	7,60	208+0,000											
-8,073	548,334	-6,000	547,414	7,60	-3,70	547,240	7,60	208+10,000											
-8,197	548,839	-6,000	547,597	7,60	-3,70	547,422	7,60	208+13,976											
-8,253	549,172	-6,000	547,873	7,60	-3,70	547,698	7,60	209+0,000											
-8,148	549,525	-6,000	548,331	7,60	-3,70	548,156	7,60	209+10,000											
-8,086	549,922	-6,000	548,789	7,60	-3,70	548,615	7,60	210+0,000											
-8,408	550,702	-6,000	549,248	7,60	-3,70	549,073	7,60	210+10,000											
-8,716	551,468	-6,000	549,706	7,60	-3,70	549,531	7,60	211+0,000											
-8,837	551,772	-6,000	549,898	7,60	-3,70	549,723	7,60	211+4,195											
-9,073	552,230	-5,971	550,096	6,50	-3,67	549,947	6,50	211+10,000											
-9,493	553,016	-5,921	550,439	4,60	-3,62	550,333	4,60	212+0,000											
-9,709	553,600	-5,871	550,783	2,70	-3,57	550,721	2,70	212+10,000											
-9,436	553,692	-5,821	551,130	0,80	-3,52	551,111	0,80	213+0,000											
-9,336	553,749	-5,800	551,276	0,00	-3,50	551,276	0,00	213+4,195											
-10,051	554,965	-5,800	551,826	-3,00	-3,50	551,895	-3,00	214+0,000											
-10,180	556,011	-5,800	552,743	-3,00	-3,50	552,812	-3,00	215+0,000											
-9,658	556,582	-5,800	553,797	-0,63	-3,50	553,811	-0,63	216+0,000											
-9,455	556,643	-5,800	554,050	0,00	-3,50	554,050	0,00	216+4,750											
-9,289	556,712	-5,853	554,327	0,70	-3,55	554,311	0,70	216+10,000											

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Eixo														
Lado Esquerdo					Eixo					Lado Direito				
Acostamento					Pista					Acostamento				
Offset	Cota (m)		Incl. (%)	Afast. (m)	Cota (m)		Incl. (%)	Afast. (m)	Cota (m)		Incl. (%)	Afast. (m)	Cota (m)	
Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)	Afast. (m)
-8,977	556,843	-5,952	554,850	2,02	-3,65	554,803	2,02	217+0,000	3,65	554,620	-3,00	5,952	554,551	-3,00
-8,930	557,231	-6,052	555,365	3,35	-3,75	555,288	3,35	217+10,000	3,75	555,037	-3,35	6,052	554,960	-3,35
-8,889	557,616	-6,152	555,873	4,67	-3,85	555,765	4,67	218+0,000	3,85	555,405	-4,67	6,152	555,298	-4,67
-8,867	557,794	-6,200	556,111	5,30	-3,90	555,989	5,30	218+47,50	3,90	555,576	-5,30	6,200	555,454	-5,30
-8,851	557,993	-6,200	556,326	5,30	-3,90	556,204	5,30	218+10,000	3,90	555,791	-5,30	6,200	555,669	-5,30
-8,626	558,170	-6,200	556,729	5,30	-3,90	556,607	5,30	219+0,000	3,90	556,193	-5,30	6,200	556,071	-5,30
-8,382	558,318	-6,200	557,121	5,30	-3,90	556,999	5,30	219+10,000	3,90	556,586	-5,30	6,200	556,464	-5,30
-8,255	558,574	-6,200	557,503	5,30	-3,90	557,381	5,30	220+0,000	3,90	556,968	-5,30	6,200	556,846	-5,30
-8,123	558,814	-6,200	557,875	5,30	-3,90	557,753	5,30	220+10,000	3,90	557,339	-5,30	6,200	557,217	-5,30
-8,065	558,899	-6,200	558,018	5,30	-3,90	557,896	5,30	220+13,932	3,90	557,483	-5,30	6,200	557,361	-5,30
-7,994	559,046	-6,200	558,236	5,30	-3,90	558,114	5,30	221+0,000	3,90	557,701	-5,30	6,200	557,579	-5,30
-7,926	559,329	-6,200	558,588	5,30	-3,90	558,466	5,30	221+10,000	3,90	558,052	-5,30	6,200	557,931	-5,30
-7,864	559,609	-6,200	558,929	5,30	-3,90	558,807	5,30	222+0,000	3,90	558,394	-5,30	6,200	558,272	-5,30
-7,785	560,056	-6,200	559,260	5,30	-3,90	559,138	5,30	223+0,000	3,90	558,725	-5,30	6,200	558,603	-5,30
-7,660	560,566	-6,200	559,581	5,30	-3,90	559,459	5,30	223+0,000	3,90	559,046	-5,30	6,200	558,924	-5,30
-7,610	560,105	-6,200	559,679	5,30	-3,90	559,557	5,30	223+3,114	3,90	559,144	-5,30	6,200	559,022	-5,30
-7,544	560,248	-6,131	559,832	4,39	-3,83	559,731	4,39	223+10,000	3,83	559,395	-4,39	6,131	559,294	-4,39
-7,528	560,529	-6,031	560,048	3,06	-3,73	559,978	3,06	224+0,000	3,73	559,749	-3,06	6,031	559,679	-3,06
-7,580	560,876	-5,931	560,262	1,74	-3,63	560,222	1,74	224+10,000	3,63	560,050	-3,00	5,931	559,981	-3,00
-7,625	561,217	-5,831	560,479	0,41	-3,53	560,469	0,41	225+0,000	3,53	560,349	-3,00	5,831	560,280	-3,00
-7,589	561,273	-5,800	560,547	0,00	-3,50	560,547	0,00	225+3,114	3,50	560,442	-3,00	5,800	560,373	-3,00
-7,273	561,290	-5,800	560,916	-2,24	-3,50	560,967	-2,24	226+0,000	3,50	560,940	-3,00	5,800	560,871	-3,00
-7,488	561,968	-5,800	561,442	-3,00	-3,50	561,511	-3,00	227+0,000	3,50	561,511	-3,00	5,800	561,442	-3,00
-7,191	562,252	-5,800	561,974	-3,00	-3,50	562,043	-3,00	228+0,000	3,50	562,043	-3,00	5,800	561,974	-3,00
-7,095	562,647	-5,800	562,465	-3,00	-3,50	562,534	-3,00	229+0,000	3,50	562,534	-3,00	5,800	562,465	-3,00
-7,416	563,419	-5,800	562,916	-3,00	-3,50	562,985	-3,00	230+0,000	3,50	562,985	-3,00	5,800	562,916	-3,00
-7,037	563,492	-5,800	563,359	-2,47	-3,50	563,415	-2,47	231+0,000	3,50	563,397	-3,00	5,800	563,328	-3,00
-6,506	563,382	-5,800	563,738	0,00	-3,50	563,738	0,00	231+12,484	3,50	563,633	-3,00	5,800	563,564	-3,00
-6,898	563,266	-5,856	563,960	1,48	-3,56	563,926	1,48	232+0,000	3,56	563,767	-3,00	5,856	563,698	-3,00
-7,522	563,189	-5,931	564,249	3,46	-3,63	564,170	3,46	232+10,000	3,63	563,919	-3,46	5,931	563,839	-3,46
-7,917	563,258	-6,006	564,532	5,43	-3,71	564,407	5,43	233+0,000	3,71	564,004	-5,43	6,006	563,879	-5,43
-8,314	563,318	-6,081	564,807	7,41	-3,78	564,636	7,41	233+10,000	3,78	564,076	-7,41	6,081	563,906	-7,41
-8,403	563,339	-6,100	564,874	7,90	-3,80	564,692	7,90	233+12,484	3,80	564,092	-7,90	6,100	563,910	-7,90
-8,308	563,507	-6,100	564,979	7,90	-3,80	564,797	7,90	234+0,000	3,80	564,197	-7,90	6,100	564,015	-7,90
-8,228	563,691	-6,100	565,110	7,90	-3,80	564,928	7,90	234+10,000	3,80	564,328	-7,90	6,100	564,146	-7,90
-8,147	563,866	-6,100	565,231	7,90	-3,80	565,049	7,90	235+0,000	3,80	564,449	-7,90	6,100	564,267	-7,90
-8,064	564,033	-6,100	565,342	7,90	-3,80	565,161	7,90	235+10,000	3,80	564,560	-7,90	6,100	564,378	-7,90
-8,082	564,122	-6,100	565,443	7,90	-3,80	565,262	7,90	236+0,000	3,80	564,661	-7,90	6,100	564,480	-7,90
-8,113	564,197	-6,100	565,540	7,90	-3,80	565,358	7,90	236+10,000	3,80	564,757	-7,90	6,100	564,576	-7,90
-8,392	564,108	-6,100	565,636	7,90	-3,80	565,454	7,90	237+0,000	3,80	564,854	-7,90	6,100	564,672	-7,90
-8,549	564,099	-6,100	565,732	7,90	-3,80	565,550	7,90	237+10,000	3,80	564,950	-7,90	6,100	564,768	-7,90

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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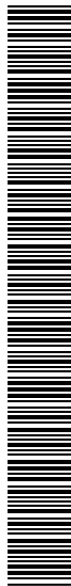
Nota de Serviço de Pavimentação															
MT 388 0+0,000 635+0,000															
Lado Esquerdo								Eixo							
Acostamento				Pista				Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Terreno		Cota Vermelha	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca				Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Offset
-8.542	564.200	-6.100	565.828	7.90	-3.80	565.646	7.90	238+0.000		565.346	564.284	1.063	3.80	565.046	563.937
-8.529	564.305	-6.100	565.924	7.90	-3.80	565.742	7.90	238+10.000		565.442	564.272	1.170	3.80	565.142	564.079
-8.125	564.670	-6.100	566.020	7.90	-3.80	565.839	7.90	239+0.000		565.538	564.536	1.002	3.80	565.238	564.265
-7.769	565.004	-6.100	566.116	7.90	-3.80	565.935	7.90	239+10.000		565.635	564.822	0.813	3.80	565.334	564.258
-7.933	564.991	-6.100	566.213	7.90	-3.80	566.031	7.90	240+0.000		565.731	564.826	0.905	3.80	565.430	564.246
-8.166	564.913	-6.100	566.290	7.90	-3.80	566.109	7.90	240+8.990		565.808	564.862	0.947	3.80	565.508	564.272
-8.222	564.894	-6.100	566.309	7.90	-3.80	566.127	7.90	240+10.000		565.827	564.870	0.957	3.80	565.527	564.338
-8.376	564.887	-6.100	566.405	7.90	-3.80	566.223	7.90	241+0.000		565.923	564.949	0.974	3.80	565.623	564.597
-8.419	564.955	-6.100	566.501	7.90	-3.80	566.319	7.90	241+10.000		566.019	564.991	1.028	3.80	565.719	564.738
-8.412	565.056	-6.100	566.597	7.90	-3.80	566.415	7.90	242+0.000	PCV	566.115	565.088	1.027	3.80	565.815	564.698
-8.423	565.144	-6.100	566.692	7.90	-3.80	566.511	7.90	242+10.000		566.210	565.218	0.992	3.80	565.910	564.795
-8.448	565.220	-6.100	566.785	7.90	-3.80	566.604	7.90	243+0.000		566.303	565.293	1.011	3.80	566.003	564.790
-8.507	565.271	-6.100	566.876	7.90	-3.80	566.694	7.90	243+10.000		566.394	565.351	1.043	3.80	566.094	565.089
-8.570	565.318	-6.100	566.965	7.90	-3.80	566.783	7.90	244+0.000		566.483	565.470	1.013	3.80	566.183	565.194
-8.523	565.436	-6.100	567.051	7.90	-3.80	566.870	7.90	244+10.000		566.569	565.615	0.955	3.80	566.269	565.276
-8.415	565.592	-6.100	567.136	7.90	-3.80	566.954	7.90	245+0.000		566.654	565.744	0.910	3.80	566.354	565.320
-8.266	565.774	-6.100	567.218	7.90	-3.80	567.036	7.90	245+10.000		566.736	565.870	0.956	3.80	566.436	565.350
-7.984	566.042	-6.100	567.298	7.90	-3.80	567.116	7.90	246+0.000		566.816	565.949	0.867	3.80	566.516	565.366
-7.784	566.254	-6.100	567.376	7.90	-3.80	567.194	7.90	246+10.000		566.894	566.349	0.545	3.80	566.594	565.370
-7.744	566.356	-6.100	567.452	7.90	-3.80	567.270	7.90	247+0.000		566.970	566.380	0.590	3.80	566.670	565.449
-7.812	566.338	-6.100	567.480	7.90	-3.80	567.298	7.90	247+3.697	CS	566.998	566.353	0.645	3.80	566.698	565.474
-7.693	566.353	-6.053	567.447	6.66	-3.75	567.294	6.66	247+10.000		567.044	566.301	0.743	3.75	566.794	565.489
-7.512	566.373	-5.978	567.395	4.68	-3.68	567.288	4.68	248+0.000		567.116	566.205	0.911	3.68	566.943	565.592
-7.354	566.377	-5.903	567.345	2.71	-3.60	567.283	2.71	248+10.000		567.185	566.245	0.940	3.60	567.077	565.632
-7.161	566.406	-5.828	567.295	0.73	-3.53	567.278	0.73	249+0.000		567.252	566.417	0.836	3.53	567.147	565.672
-7.072	566.429	-5.800	567.277	0.00	-3.50	567.277	0.00	249+3.697	ST	567.277	566.457	0.820	3.50	567.172	565.641
-6.834	566.517	-5.800	567.207	-3.00	-3.50	567.276	-3.00	250+0.000		567.381	566.492	0.889	3.50	567.276	565.670
-7.113	566.452	-5.800	567.327	-3.00	-3.50	567.396	-3.00	251+0.000		567.501	566.346	1.155	3.50	567.396	565.673
-7.127	566.553	-5.800	567.438	-3.00	-3.50	567.507	-3.00	252+0.000	PTV	567.612	566.411	1.201	3.50	567.507	565.683
-7.078	566.693	-5.800	567.545	-3.00	-3.50	567.614	-3.00	253+0.000		567.719	566.563	1.156	3.50	567.614	565.748
-6.998	566.853	-5.800	567.652	-3.00	-3.50	567.721	-3.00	254+0.000		567.826	566.722	1.104	3.50	567.721	565.803
-6.788	567.101	-5.800	567.759	-3.00	-3.50	567.828	-3.00	255+0.000		567.933	566.951	0.982	3.50	567.828	565.875
-6.599	567.334	-5.800	567.866	-3.00	-3.50	567.935	-3.00	256+0.000		568.040	567.307	0.733	3.50	567.935	565.948
-6.485	567.546	-5.800	567.973	-3.00	-3.50	568.042	-3.00	257+0.000		568.147	567.532	0.615	3.50	568.042	566.020
-6.515	567.683	-5.800	568.080	-3.00	-3.50	568.149	-3.00	258+0.000		568.254	567.755	0.499	3.50	568.149	566.085
-6.629	567.904	-5.800	568.187	-3.00	-3.50	568.256	-3.00	259+0.000		568.361	567.978	0.383	3.50	568.256	566.150
-6.574	567.956	-5.800	568.294	-3.00	-3.50	568.363	-3.00	260+0.000		568.468	567.970	0.498	3.50	568.359	566.224
-6.503	567.895	-5.800	568.364	-3.00	-3.50	568.433	-3.00	260+12.957	TS	568.538	567.939	0.599	3.50	568.430	566.280
-6.698	567.847	-5.870	568.399	-3.00	-3.57	568.468	-3.00	261+0.000		568.575	567.911	0.665	3.57	568.461	566.348
-6.910	567.823	-5.970	568.450	-3.00	-3.67	568.519	-3.00	261+10.000		568.629	567.874	0.755	3.67	568.517	566.404
-7.040	567.753	-6.070	568.399	-4.66	-3.77	568.506	-4.66	262+0.000		568.682	567.850	0.833	3.77	568.498	566.468

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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SINFRACAP202650475A



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
Documento Nº: 37394456-4124 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=37394456-4124>



Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Acostamento			Pista		Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Terreno		Pista	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)					Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.110	567.716	-6.170	568.343	-6.39	-3.87	568.490	-6.39	262+10.000			568.737	1.026	3.87	568.984
-7.114	567.716	-6.200	568.326	-6.90	-3.90	568.484	-6.90	262+12.957	SC		567.721	1.032	3.90	569.023
-7.097	567.767	-6.200	568.366	-6.90	-3.90	568.534	-6.90	263+0.000			568.794	1.044	3.90	569.063
-7.080	567.838	-6.200	568.424	-6.90	-3.90	568.583	-6.90	263+10.000			568.852	1.000	3.90	569.121
-7.250	567.785	-6.200	568.485	-6.90	-3.90	568.644	-6.90	264+0.000			568.913	0.965	3.90	569.182
-7.466	567.704	-6.200	568.548	-6.90	-3.90	568.707	-6.90	264+10.000			568.976	0.891	3.90	569.245
-7.408	567.787	-6.200	568.592	-6.90	-3.90	568.750	-6.90	264+16.713			569.020	0.800	3.90	569.289
-7.264	567.904	-6.200	568.613	-6.90	-3.90	568.772	-6.90	265+0.000			569.041	0.751	3.90	569.310
-6.948	568.244	-6.200	568.680	-6.90	-3.90	568.839	-6.90	265+10.000			569.108	0.609	3.90	569.377
-7.114	568.479	-6.200	568.750	-6.90	-3.90	568.908	-6.90	266+0.000			569.178	0.357	3.90	569.447
-7.231	568.667	-6.200	568.821	-6.90	-3.90	568.980	-6.90	266+10.000			569.249	0.180	3.90	569.518
-7.065	568.575	-6.200	568.895	-6.90	-3.90	569.053	-6.90	267+0.000			569.322	0.414	3.90	569.591
-7.043	568.556	-6.200	568.898	-6.90	-3.90	569.057	-6.90	267+0.469	CS		569.326	0.435	3.90	569.595
-7.881	567.893	-6.105	569.077	-5.26	-3.81	569.198	-5.26	267+10.000			569.398	0.808	3.81	569.598
-8.631	567.512	-6.005	569.263	-3.53	-3.71	569.345	-3.53	268+0.000			569.475	1.198	3.71	569.606
-8.473	567.666	-5.905	569.378	-3.00	-3.61	569.447	-3.00	268+10.000			569.555	1.673	3.61	569.620
-8.336	567.775	-5.805	569.467	-3.00	-3.51	569.532	-3.00	269+0.000			569.637	1.798	3.51	569.640
-8.328	567.781	-5.800	569.463	-3.00	-3.50	569.536	-3.00	269+0.469	ST		569.641	1.796	3.50	569.641
-8.292	567.972	-5.800	569.633	-3.00	-3.50	569.702	-3.00	270+0.000			569.807	1.870	3.50	569.702
-8.408	568.073	-5.800	569.811	-3.00	-3.50	569.880	-3.00	271+0.000			569.985	1.891	3.50	569.880
-8.582	568.143	-5.800	569.998	-3.00	-3.50	570.067	-3.00	272+0.000	PTV		570.172	2.121	3.50	570.067
-8.535	568.365	-5.800	570.189	-3.00	-3.50	570.258	-3.00	273+0.000			570.363	2.051	3.50	570.258
-8.526	568.562	-5.800	570.380	-3.00	-3.50	570.449	-3.00	274+0.000			570.554	2.027	3.50	570.449
-8.554	569.307	-5.800	571.143	-3.00	-3.50	570.640	-3.00	275+0.000			570.745	2.033	3.50	570.640
-8.773	568.780	-5.800	570.762	-3.00	-3.50	570.831	-3.00	276+0.000			570.936	2.097	3.50	570.831
-8.549	569.120	-5.800	570.952	-3.00	-3.50	571.021	-3.00	277+0.000			571.126	2.009	3.50	571.021
-8.554	569.307	-5.800	571.143	-3.00	-3.50	571.212	-3.00	278+0.000			571.317	2.004	3.50	571.212
-8.408	569.595	-5.800	571.334	-3.00	-3.50	571.403	-3.00	279+0.000			571.508	1.807	3.50	571.403
-8.176	569.941	-5.800	571.525	-3.00	-3.50	571.594	-3.00	280+0.000	PCV		571.699	1.836	3.50	571.594
-8.088	570.190	-5.800	571.716	-3.00	-3.50	571.785	-3.00	281+0.000			571.890	1.813	3.50	571.785
-8.075	570.389	-5.800	571.906	-3.00	-3.50	571.975	-3.00	282+0.000			572.080	1.645	3.50	571.975
-7.823	570.746	-5.800	572.095	-3.00	-3.50	572.164	-3.00	283+0.000			572.269	1.400	3.50	572.164
-7.544	571.121	-5.800	572.284	-3.00	-3.50	572.353	-3.00	284+0.000			572.458	0.990	3.50	572.353
-6.900	572.459	-5.800	572.472	-3.00	-3.50	572.541	-3.00	285+0.000			572.646	0.628	3.50	572.541
-6.571	572.317	-5.800	572.659	-3.00	-3.50	572.728	-3.00	286+0.000			572.833	0.739	3.50	572.728
-7.295	571.849	-5.800	572.846	-3.00	-3.50	572.915	-3.00	287+0.000			573.020	1.018	3.50	572.915
-7.489	571.905	-5.800	573.032	-3.00	-3.50	573.101	-3.00	288+0.000			573.206	1.099	3.50	573.101
-7.325	572.201	-5.800	573.217	-3.00	-3.50	573.286	-3.00	289+0.000			573.391	1.025	3.50	573.286
-7.159	572.496	-5.800	573.402	-3.00	-3.50	573.471	-3.00	290+0.000	PTV		573.576	0.784	3.50	573.471
-6.846	572.889	-5.800	573.587	-3.00	-3.50	573.656	-3.00	291+0.000			573.761	0.794	3.50	573.656
-6.819	573.092	-5.800	573.771	-3.00	-3.50	573.840	-3.00	292+0.000			573.945	0.743	3.50	573.840

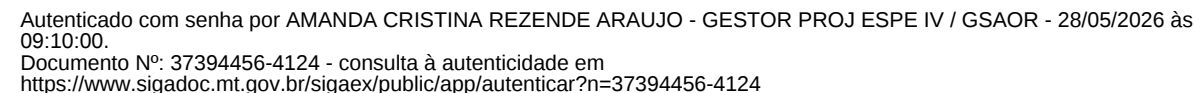
Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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MT 388 0+0.000 635+0.000

ID	Lado Esquerdo						Eixo				Lado Direito									
	Acostamento			Pista			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Acostamento			Offset		
	Cota (m)	Alast. (m)	Incl. (%)	Cota (m)	Alast. (m)	Incl. (%)						Cota (m)	Alast. (m)	Incl. (%)	Cota (m)	Alast. (m)	Incl. (%)			
-6.826	573,771	-5.800	573,956	-3,00	-3,50	574,025	-3,00	293+0+000		574,130	573,395	0,734	3,50	574,025	-3,00	5,800	573,956	-3,00	6,927	573,204
-6.722	573,526	-5.800	574,140	-3,00	-3,50	574,209	-3,00	294+0+000		574,314	573,649	0,665	3,50	574,209	-3,00	5,800	574,140	-3,00	6,851	573,440
-6.712	573,717	-5.800	574,325	-3,00	-3,50	574,394	-3,00	295+0+000		574,499	573,735	0,764	3,50	574,394	-3,00	5,800	574,325	-3,00	0,000	0,000
-6.784	573,893	-5.800	574,509	-3,00	-3,50	574,578	-3,00	296+0+000		574,683	573,937	0,746	3,50	574,578	-3,00	5,800	574,509	-3,00	6,998	573,778
-6.815	574,017	-5.800	574,694	-3,00	-3,50	574,763	-3,00	297+0+000		574,868	574,119	0,749	3,50	574,763	-3,00	5,800	574,694	-3,00	6,966	573,916
-6.809	574,205	-5.800	574,878	-3,00	-3,50	574,947	-3,00	298+0+000		575,052	574,326	0,726	3,50	574,947	-3,00	5,800	574,878	-3,00	7,096	574,014
-6.877	574,345	-5.800	575,063	-3,00	-3,50	575,132	-3,00	299+0+000	PCV	575,237	574,518	0,919	3,50	575,132	-3,00	5,800	575,063	-3,00	7,004	574,261
-6.780	574,589	-5.800	575,242	-3,00	-3,50	575,311	-3,00	300+0+000		575,416	574,549	0,868	3,50	575,311	-3,00	5,800	575,242	-3,00	6,988	574,451
-6.957	574,641	-5.800	575,412	-3,00	-3,50	575,481	-3,00	301+0+000		575,586	574,717	0,869	3,50	575,481	-3,00	5,800	575,412	-3,00	7,144	574,518
-6.610	575,032	-5.800	575,572	-3,00	-3,50	575,641	-3,00	302+0+000		575,746	575,137	0,610	3,50	575,641	-3,00	5,800	575,572	-3,00	6,784	574,916
-6.743	575,553	-5.800	575,723	-3,00	-3,50	575,792	-3,00	303+0+000		575,897	575,591	0,306	3,50	575,792	-3,00	5,800	575,723	-3,00	6,724	575,534
-6.590	575,540	-5.800	575,863	-3,00	-3,50	575,932	-3,00	304+0+000		576,037	575,728	0,309	3,50	575,932	-3,00	5,800	575,863	-3,00	6,975	575,926
-6.833	575,305	-5.800	575,994	-3,00	-3,50	576,063	-3,00	305+0+000		576,168	575,757	0,911	3,50	576,063	-3,00	5,800	575,994	-3,00	7,141	575,100
-7.165	575,704	-5.800	576,115	-3,00	-3,50	576,184	-3,00	306+0+000		576,289	575,186	1,103	3,50	576,184	-3,00	5,800	576,115	-3,00	7,356	575,078
-7.234	575,270	-5.800	576,226	-3,00	-3,50	576,295	-3,00	307+0+000		576,400	575,306	1,094	3,50	576,295	-3,00	5,800	576,226	-3,00	7,383	575,170
-7.251	575,360	-5.800	576,327	-3,00	-3,50	576,396	-3,00	308+0+000		576,501	575,415	1,086	3,50	576,396	-3,00	5,800	576,327	-3,00	7,406	575,256
-7.195	575,489	-5.800	576,418	-3,00	-3,50	576,487	-3,00	309+0+000	PTV	576,592	575,524	1,069	3,50	576,487	-3,00	5,800	576,418	-3,00	7,383	575,363
-7.259	575,532	-5.800	576,505	-3,00	-3,50	576,574	-3,00	310+0+000		576,679	575,632	1,047	3,50	576,574	-3,00	5,800	576,505	-3,00	7,356	575,468
-7.229	575,639	-5.800	576,592	-3,00	-3,50	576,661	-3,00	311+0+000		576,766	575,686	1,080	3,50	576,661	-3,00	5,800	576,592	-3,00	7,406	575,521
-7.244	575,716	-5.800	576,678	-3,00	-3,50	576,747	-3,00	312+0+000		576,852	575,798	1,054	3,50	576,747	-3,00	5,800	576,678	-3,00	7,181	575,757
-7.284	575,775	-5.800	576,765	-3,00	-3,50	576,834	-3,00	313+0+000		576,939	575,779	1,160	3,50	576,834	-3,00	5,800	576,765	-3,00	7,515	575,822
-7.362	575,810	-5.800	576,852	-3,00	-3,50	576,921	-3,00	314+0+000		577,026	575,810	1,216	3,50	576,921	-3,00	5,800	576,852	-3,00	7,744	575,556
-7.457	575,833	-5.800	576,938	-3,00	-3,50	577,007	-3,00	315+0+000		577,132	575,869	1,244	3,50	577,007	-3,00	5,800	576,938	-3,00	7,135	576,048
-7.540	575,865	-5.800	577,025	-3,00	-3,50	577,094	-3,00	316+0+000	PCV	577,199	575,754	1,445	3,50	577,094	-3,00	5,800	577,025	-3,00	7,818	575,679
-7.498	575,981	-5.800	577,113	-3,00	-3,50	577,182	-3,00	317+0+000		577,287	575,842	1,445	3,50	577,182	-3,00	5,800	577,113	-3,00	7,680	575,859
-7.483	576,081	-5.800	577,203	-3,00	-3,50	577,272	-3,00	318+0+000		577,377	576,172	1,205	3,50	577,272	-3,00	5,800	577,203	-3,00	7,645	575,973
-6.994	576,099	-5.800	577,296	-3,00	-3,50	577,365	-3,00	319+0+000		577,470	576,562	0,907	3,50	577,365	-3,00	5,800	577,296	-3,00	7,365	576,252
-6.858	576,685	-5.800	577,391	-3,00	-3,50	577,460	-3,00	320+0+000		577,565	576,624	0,941	3,50	577,460	-3,00	5,800	577,391	-3,00	7,192	576,463
-7.347	576,457	-5.800	577,488	-3,00	-3,50	577,557	-3,00	321+0+000		577,662	576,632	1,031	3,50	577,557	-3,00	5,800	577,488	-3,00	6,945	576,725
-7.658	576,350	-5.800	577,588	-3,00	-3,50	577,657	-3,00	322+0+000		577,762	576,475	1,288	3,50	577,657	-3,00	5,800	577,588	-3,00	7,628	576,370
-7.556	576,520	-5.800	577,691	-3,00	-3,50	577,760	-3,00	323+0+000		577,865	576,534	1,331	3,50	577,760	-3,00	5,800	577,691	-3,00	7,554	576,522
-7.597	576,598	-5.800	577,796	-3,00	-3,50	577,865	-3,00	324+0+000		577,970	576,734	1,236	3,50	577,865	-3,00	5,800	577,796	-3,00	7,109	576,924
-7.572	576,722	-5.800	577,904	-3,00	-3,50	577,973	-3,00	325+0+000		578,078	576,766	1,312	3,50	577,973	-3,00	5,800	577,904	-3,00	7,452	576,802
-7.492	576,885	-5.800	578,013	-3,00	-3,50	578,082	-3,00	326+0+000	PTV	578,187	576,912	1,275	3,50	578,082	-3,00	5,800	578,013	-3,00	7,006	577,076
-7.432	577,037	-5.800	578,125	-3,00	-3,50	578,194	-3,00	327+0+000	PCV	578,299	577,131	1,168	3,50	578,194	-3,00	5,800	578,125	-3,00	7,415	577,048
-7.277	577,174	-5.800	578,259	-3,00	-3,50	578,328	-3,00	328+0+000		578,433	577,363	1,070	3,50	578,328	-3,00	5,800	578,259	-3,00	7,145	577,362
-7.262	577,464	-5.800	578,439	-3,00	-3,50	578,508	-3,00	329+0+000		578,613	577,586	1,028	3,50	578,508	-3,00	5,800	578,439	-3,00	7,065	577,596
-7.302	577,663	-5.800	578,666	-3,00	-3,50	578,735	-3,00	330+0+000		578,840	577,765	1,077	3,50	578,735	-3,00	5,800	578,666	-3,00	7,179	577,747
-7.369	577,893	-5.800	578,938	-3,00	-3,50	579,007	-3,00	331+0+000	PTV	579,112	577,969	1,144	3,50	579,007	-3,00	5,800	578,938	-3,00	7,246	577,975
-7.418	578,156	-5.800	579,234	-3,00	-3,50	579,303	-3,00	332+0+000		579,408	578,307	1,101	3,50	579,303	-3,00	5,800	579,234	-3,00	7,364	578,508
-7.394	578,468	-5.800	579,530	-3,00	-3,50	579,599	-3,00	333+0+000	PCV	579,704	578,606	1,098	3,50	579,599	-3,00	5,800	579,530	-3,00	7,344	578,520



Nota de Serviço de Pavimentação

Eixo											
Lado Esquerdo						Lado Direito					
Acostamento			Pista			Acostamento			Pista		
Offset	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Offset	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)
-7.420	578.740	-5.800	579.820	-3.00	-3.50	579.889	-3.00	579.889	-3.00	579.820	-3.00
-7.339	579.071	-5.800	580.097	-3.00	-3.50	580.166	-3.00	580.166	-3.00	580.097	-3.00
-7.013	579.554	-5.800	580.362	-3.00	-3.50	580.431	-3.00	580.431	-3.00	580.362	-3.00
-6.538	580.241	-5.800	580.615	-3.00	-3.50	580.684	-3.00	580.684	-3.00	580.615	-3.00
-6.580	580.523	-5.800	580.856	-3.00	-3.50	580.925	-3.00	580.925	-3.00	580.856	-3.00
-6.673	580.502	-5.800	581.084	-3.00	-3.50	581.153	-3.00	581.153	-3.00	581.084	-3.00
-7.007	580.471	-5.800	581.275	-3.00	-3.50	581.344	-3.00	581.344	-3.00	581.275	-3.00
-7.023	580.500	-5.824	581.299	-3.00	-3.52	581.368	-3.00	581.368	-3.00	581.299	-3.00
-7.167	580.571	-5.924	581.400	-3.00	-3.62	581.469	-3.00	581.469	-3.00	581.400	-3.00
-7.228	580.606	-6.024	581.408	-4.47	-3.72	581.511	-4.47	581.511	-4.47	581.408	-4.47
-7.162	580.688	-6.124	581.380	-6.47	-3.82	581.529	-6.47	581.529	-6.47	581.380	-6.47
-7.142	580.728	-6.200	581.356	-8.00	-3.90	581.540	-8.00	581.540	-8.00	581.356	-8.00
-7.133	580.757	-6.200	581.379	-8.00	-3.90	581.563	-8.00	581.563	-8.00	581.379	-8.00
-7.090	580.885	-6.200	581.478	-8.00	-3.90	581.662	-8.00	581.662	-8.00	581.478	-8.00
-7.001	581.043	-6.200	581.577	-8.00	-3.90	581.761	-8.00	581.761	-8.00	581.577	-8.00
-6.935	581.186	-6.200	581.676	-8.00	-3.90	581.860	-8.00	581.860	-8.00	581.676	-8.00
-6.972	581.339	-6.200	581.775	-8.00	-3.90	581.959	-8.00	581.959	-8.00	581.775	-8.00
-7.046	581.512	-6.200	581.874	-8.00	-3.90	582.058	-8.00	582.058	-8.00	581.874	-8.00
-7.104	581.669	-6.200	581.972	-8.00	-3.90	582.156	-8.00	582.156	-8.00	581.972	-8.00
-7.148	581.811	-6.200	582.071	-8.00	-3.90	582.255	-8.00	582.255	-8.00	582.071	-8.00
-7.191	581.954	-6.200	582.170	-8.00	-3.90	582.354	-8.00	582.354	-8.00	582.170	-8.00
-7.184	581.972	-6.200	582.196	-8.00	-3.90	582.380	-8.00	582.380	-8.00	582.196	-8.00
-7.261	581.992	-6.200	582.269	-8.00	-3.90	582.453	-8.00	582.453	-8.00	582.269	-8.00
-7.282	582.222	-6.200	582.368	-8.00	-3.90	582.552	-8.00	582.552	-8.00	582.368	-8.00
-7.231	582.290	-6.200	582.466	-8.00	-3.90	582.650	-8.00	582.650	-8.00	582.466	-8.00
-7.314	582.472	-6.200	582.565	-8.00	-3.90	582.749	-8.00	582.749	-8.00	582.565	-8.00
-7.281	582.537	-6.200	582.664	-8.00	-3.90	582.848	-8.00	582.848	-8.00	582.664	-8.00
-7.366	582.722	-6.200	582.763	-8.00	-3.90	582.947	-8.00	582.947	-8.00	582.763	-8.00
-7.518	582.972	-6.200	582.862	-8.00	-3.90	583.046	-8.00	583.046	-8.00	582.862	-8.00
-7.419	582.972	-6.200	582.960	-8.00	-3.90	583.144	-8.00	583.144	-8.00	582.960	-8.00
-7.458	583.086	-6.200	583.035	-8.00	-3.90	583.219	-8.00	583.219	-8.00	583.035	-8.00
-7.428	583.146	-6.175	583.092	-7.51	-3.88	583.264	-7.51	583.264	-7.51	583.092	-7.51
-7.237	583.322	-6.075	583.319	-5.51	-3.78	583.446	-5.51	583.446	-5.51	583.319	-5.51
-6.952	583.398	-5.975	583.543	-3.51	-3.68	583.624	-3.51	583.624	-3.51	583.543	-3.51
-6.630	583.318	-5.875	583.675	-3.00	-3.58	583.744	-3.00	583.744	-3.00	583.675	-3.00
-6.578	583.417	-5.800	583.752	-3.00	-3.50	583.821	-3.00	583.821	-3.00	583.752	-3.00
-6.484	583.496	-5.800	583.873	-3.00	-3.50	583.942	-3.00	583.942	-3.00	583.873	-3.00
-6.651	583.496	-5.800	584.063	-3.00	-3.50	584.132	-3.00	584.132	-3.00	584.063	-3.00
-6.581	583.917	-5.800	584.248	-3.00	-3.50	584.317	-3.00	584.317	-3.00	584.248	-3.00
-6.567	583.917	-5.800	584.428	-3.00	-3.50	584.497	-3.00	584.497	-3.00	584.428	-3.00
-6.476	584.167	-5.800	584.604	-3.00	-3.50	584.673	-3.00	584.673	-3.00	584.604	-3.00

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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SINFRACAP202650475A



Nota de Serviço de Pavimentação																							
MT 388 0+0,000 635+0,000																							
Lado Esquerdo					Eixo				Lado Direito														
Offset		Acostamento			Pista		Estaca		Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Terreno		Cota Vermelha		Pista		Acostamento		Offset		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Offset
-6,710	584,167	-5,800	584,774	-3,00	-3,50	584,843	-3,00	358+0,000				584,948	583,917	1,031	3,50	584,843	-3,00	5,800	584,774	-3,00	6,093	584,178	
-6,958	584,167	-5,800	584,939	-3,00	-3,50	585,008	-3,00	359+0,000				585,113	584,167	0,946	3,50	585,008	-3,00	5,800	584,939	-3,00	6,088	584,214	
-7,198	584,167	-5,800	585,099	-3,00	-3,50	585,168	-3,00	360+0,000				585,273	584,417	0,856	3,50	585,168	-3,00	5,800	585,099	-3,00	6,023	584,417	
-6,681	584,667	-5,800	585,255	-3,00	-3,50	585,324	-3,00	361+0,000	PTV			585,429	584,667	0,762	3,50	585,324	-3,00	5,800	585,255	-3,00	7,056	584,417	
-6,907	584,667	-5,800	585,405	-3,00	-3,50	585,474	-3,00	362+0,000	PTV			585,579	584,667	0,912	3,50	585,474	-3,00	5,800	585,405	-3,00	7,657	584,167	
-7,503	584,417	-5,800	585,553	-3,00	-3,50	585,622	-3,00	363+0,000				585,727	584,433	1,293	3,50	585,622	-3,00	5,800	585,553	-3,00	7,878	584,167	
-7,594	584,504	-5,800	585,700	-3,00	-3,50	585,769	-3,00	364+0,000				585,874	584,417	1,457	3,50	585,769	-3,00	5,800	585,700	-3,00	7,708	584,695	
-7,572	584,667	-5,800	585,848	-3,00	-3,50	585,917	-3,00	365+0,000				586,022	584,667	1,355	3,50	585,917	-3,00	5,800	585,848	-3,00	7,453	584,746	
-7,418	584,917	-5,800	585,996	-3,00	-3,50	586,065	-3,00	366+0,000				586,170	584,773	1,397	3,50	586,065	-3,00	5,800	585,996	-3,00	7,418	584,917	
-7,300	585,144	-5,800	586,144	-3,00	-3,50	586,213	-3,00	367+0,000				586,318	585,167	1,151	3,50	586,213	-3,00	5,800	586,144	-3,00	6,958	585,372	
-7,067	585,447	-5,800	586,292	-3,00	-3,50	586,361	-3,00	368+0,000				586,466	585,506	0,959	3,50	586,361	-3,00	5,800	586,292	-3,00	6,737	585,667	
-6,958	585,667	-5,800	586,439	-3,00	-3,50	586,508	-3,00	369+0,000				586,613	585,667	0,946	3,50	586,508	-3,00	5,800	586,439	-3,00	6,958	585,667	
-7,180	585,667	-5,800	586,587	-3,00	-3,50	586,656	-3,00	370+0,000				586,761	585,721	1,040	3,50	586,656	-3,00	5,800	586,587	-3,00	7,178	585,668	
-7,027	585,917	-5,800	586,735	-3,00	-3,50	586,804	-3,00	371+0,000	PCV			586,909	585,917	0,992	3,50	586,804	-3,00	5,800	586,735	-3,00	6,936	585,978	
-6,873	586,167	-5,800	586,883	-3,00	-3,50	586,952	-3,00	372+0,000	PCV			587,057	586,167	0,890	3,50	586,952	-3,00	5,800	586,883	-3,00	6,973	586,167	
-6,913	586,299	-5,800	587,041	-3,00	-3,50	587,110	-3,00	373+0,000				587,215	586,237	0,978	3,50	587,110	-3,00	5,800	587,041	-3,00	6,811	586,367	
-6,869	586,507	-5,800	587,219	-3,00	-3,50	587,288	-3,00	374+0,000				587,393	586,417	0,976	3,50	587,288	-3,00	5,800	587,219	-3,00	6,882	586,498	
-6,689	586,826	-5,800	587,419	-3,00	-3,50	587,488	-3,00	375+0,000				587,593	586,667	0,926	3,50	587,488	-3,00	5,800	587,419	-3,00	6,851	586,718	
-6,507	587,167	-5,800	587,639	-3,00	-3,50	587,708	-3,00	376+0,000				587,813	586,901	0,911	3,50	587,708	-3,00	5,800	587,639	-3,00	6,852	586,937	
-6,493	587,417	-5,800	587,879	-3,00	-3,50	587,948	-3,00	377+0,000	PTV			588,053	587,167	0,886	3,50	587,948	-3,00	5,800	587,879	-3,00	6,699	587,280	
-6,587	587,616	-5,800	588,140	-3,00	-3,50	588,209	-3,00	378+0,000	PTV			588,314	587,417	0,897	3,50	588,209	-3,00	5,800	588,140	-3,00	6,629	587,454	
-6,542	587,917	-5,800	588,412	-3,00	-3,50	588,481	-3,00	379+0,000				588,586	587,917	0,669	3,50	588,481	-3,00	5,800	588,412	-3,00	6,542	587,917	
-6,709	588,417	-5,800	588,683	-3,00	-3,50	588,752	-3,00	380+0,000				588,857	588,518	0,339	3,50	588,752	-3,00	5,800	588,683	-3,00	6,826	588,596	
-6,875	588,917	-5,800	588,955	-3,00	-3,50	589,024	-3,00	381+0,000				589,129	588,917	0,212	3,50	589,024	-3,00	5,800	588,955	-3,00	6,875	588,917	
-6,604	588,917	-5,800	589,226	-3,00	-3,50	589,295	-3,00	382+0,000				589,400	588,842	0,558	3,50	589,295	-3,00	5,800	589,226	-3,00	6,837	588,934	
-6,584	588,975	-5,800	589,497	-3,00	-3,50	589,566	-3,00	383+0,000	PCV			589,671	588,757	0,914	3,50	589,566	-3,00	5,800	589,497	-3,00	6,654	588,928	
-6,477	589,318	-5,800	589,769	-3,00	-3,50	589,838	-3,00	384+0,000	PCV			589,943	589,098	0,845	3,50	589,838	-3,00	5,800	589,769	-3,00	6,623	589,221	
-6,573	589,704	-5,800	590,043	-3,00	-3,50	590,112	-3,00	385+0,000				590,217	589,417	0,800	3,50	590,112	-3,00	5,800	590,043	-3,00	0,000	0,000	
-6,529	589,940	-5,800	590,324	-3,00	-3,50	590,393	-3,00	386+0,000				590,498	589,667	0,831	3,50	590,393	-3,00	5,800	590,324	-3,00	6,657	589,752	
-6,670	590,367	-5,800	590,610	-3,00	-3,50	590,679	-3,00	387+0,000				590,784	589,917	0,867	3,50	590,679	-3,00	5,800	590,610	-3,00	6,559	590,104	
-6,678	590,667	-5,800	590,902	-3,00	-3,50	590,971	-3,00	388+0,000				591,076	590,435	0,909	3,50	590,971	-3,00	5,800	590,902	-3,00	6,494	590,485	
-6,707	590,994	-5,800	591,200	-3,00	-3,50	591,269	-3,00	389+0,000	PTV			591,374	590,435	0,939	3,50	591,269	-3,00	5,800	591,200	-3,00	6,669	590,621	
-6,576	591,167	-5,800	591,504	-3,00	-3,50	591,573	-3,00	390+0,000	PTV			591,678	590,911	0,767	3,50	591,573	-3,00	5,800	591,504	-3,00	6,505	591,034	
-6,519	591,417	-5,800	591,811	-3,00	-3,50	591,880	-3,00	391+0,000				591,985	591,167	0,818	3,50	591,880	-3,00	5,800	591,811	-3,00	6,603	591,276	
-6,476	591,667	-5,800	592,118	-3,00	-3,50	592,187	-3,00	392+0,000				592,292	591,435	0,857	3,50	592,187	-3,00	5,800	592,118	-3,00	6,605	591,548	
-6,495	592,007	-5,800	592,425	-3,00	-3,50	592,494	-3,00	393+0,000				592,599	591,917	0,682	3,50	592,494	-3,00	5,800	592,425	-3,00	6,562	591,917	
-6,598	592,417	-5,800	592,732	-3,00	-3,50	592,801	-3,00	394+0,000				592,906	592,488	0,418	3,50	592,801	-3,00	5,800	592,732	-3,00	6,666	592,485	
-6,754	592,880	-5,800	593,039	-3,00	-3,50	593,108	-3,00	395+0,000				593,213	592,867	0,046	3,50	593,108	-3,00	5,800	593,039	-3,00	6,927	593,053	
-6,782	593,215	-5,800	593,346	-3,00	-3,50	593,415	-3,00	396+0,000				593,520	593,417	0,103	3,50	593,415	-3,00	5,800	593,346	-3,00	6,984	593,417	
-6,904	593,917	-5,800	593,653	-3,00	-3,50	593,722	-3,00	397+0,000				593,827	593,167	0,660	3,50	593,722	-3,00	5,800	593,653	-3,00	6,529	593,167	
-6,614	593,417	-5,800	593,960	-3,00	-3,50	594,029	-3,00	398+0,000				594,134	593,167	0,967	3,50	594,029	-3,00	5,800	593,960	-3,00	6,518	593,481	

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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SINFRACAP202650475A



Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Eixo														
Lado Esquerdo					Lado Direito					Lado Direito				
Acostamento					Pista					Acostamento				
Offset									Pista Vermelha					Offset
Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)		Cota Terreno	Cota Projeto	Pontos Notáveis da Geometria Vertical	Cota Terreno	Cota Projeto
-7,270	606,917	-5,800	607,897	-3,00	-3,50	607,966	-3,00	440+0,000		606,667	608,071	PCV	606,667	1,404
-7,348	607,256	-5,800	608,288	-3,00	-3,50	608,357	-3,00	441+0,000		607,111	608,462	PCV	607,111	1,351
-7,310	607,667	-5,800	608,674	-3,00	-3,50	608,743	-3,00	442+0,000		607,511	608,848		607,511	1,337
-7,121	608,167	-5,800	609,048	-3,00	-3,50	609,117	-3,00	443+0,000		608,090	609,222		608,090	1,132
-7,291	608,417	-5,800	609,411	-3,00	-3,50	609,480	-3,00	444+0,000		608,806	609,385		608,806	0,779
-7,820	608,417	-5,800	609,763	-3,00	-3,50	609,832	-3,00	445+0,000		609,353	609,937		609,353	0,584
-7,407	609,033	-5,800	610,104	-3,00	-3,50	610,173	-3,00	446+0,000		609,417	610,278		609,417	0,861
-7,224	609,485	-5,800	610,434	-3,00	-3,50	610,503	-3,00	447+0,000		610,608	609,417		610,608	1,191
-7,227	609,802	-5,800	610,753	-3,00	-3,50	610,822	-3,00	448+0,000		609,667	610,927		609,667	1,260
-7,141	610,167	-5,800	611,061	-3,00	-3,50	611,130	-3,00	449+0,000		609,967	611,235		609,967	1,268
-7,114	610,482	-5,800	611,358	-3,00	-3,50	611,427	-3,00	450+0,000		610,417	611,532	PTV	610,417	1,115
-6,890	610,917	-5,800	611,644	-3,00	-3,50	611,713	-3,00	451+0,000		610,667	611,818	PTV	610,667	1,151
-7,310	610,917	-5,800	611,924	-3,00	-3,50	611,993	-3,00	452+0,000		610,977	612,098		610,977	1,121
-6,606	611,667	-5,800	612,204	-3,00	-3,50	612,273	-3,00	453+0,000		611,189	612,378		611,189	0,992
-6,651	611,917	-5,800	612,484	-3,00	-3,50	612,553	-3,00	454+0,000		611,666	612,658		611,666	0,992
-6,653	612,196	-5,800	612,764	-3,00	-3,50	612,833	-3,00	455+0,000		612,001	612,938		612,001	0,937
-6,613	612,503	-5,800	613,044	-3,00	-3,50	613,113	-3,00	456+0,000		612,376	613,218		612,376	0,842
-6,505	612,917	-5,800	613,325	-3,00	-3,50	613,394	-3,00	457+0,000		612,667	613,499		612,667	0,832
-6,544	613,109	-5,800	613,605	-3,00	-3,50	613,674	-3,00	458+0,000		613,275	613,779		613,275	0,504
-6,837	613,193	-5,800	613,885	-3,00	-3,50	613,954	-3,00	459+0,000		613,977	614,059		613,977	0,082
-7,672	613,917	-5,800	614,165	-3,00	-3,50	614,234	-3,00	460+0,000		614,417	614,339		614,417	-0,078
-6,796	614,329	-5,800	614,445	-3,00	-3,50	614,514	-3,00	461+0,000		614,117	614,619		614,117	0,202
-6,637	614,167	-5,800	614,725	-3,00	-3,50	614,794	-3,00	462+0,000		614,899	614,899		614,899	0,482
-6,716	614,809	-5,800	615,005	-3,00	-3,50	615,074	-3,00	463+0,000		614,667	615,179		614,667	0,512
-6,544	614,917	-5,800	615,286	-3,00	-3,50	615,355	-3,00	464+0,000		614,917	615,460		614,917	0,543
-6,514	615,167	-5,800	615,566	-3,00	-3,50	615,635	-3,00	465+0,000		615,167	615,740		615,167	0,573
-6,538	615,471	-5,800	615,846	-3,00	-3,50	615,915	-3,00	466+0,000		615,417	616,020		615,417	0,603
-6,704	615,917	-5,800	616,126	-3,00	-3,50	616,195	-3,00	467+0,000		615,860	616,300		615,860	0,440
-6,673	616,167	-5,800	616,406	-3,00	-3,50	616,475	-3,00	468+0,000		616,004	616,580		616,004	0,576
-6,593	616,367	-5,800	616,686	-3,00	-3,50	616,755	-3,00	469+0,000		616,208	616,860		616,208	0,653
-6,613	616,667	-5,800	616,966	-3,00	-3,50	617,035	-3,00	470+0,000		616,417	617,140		616,417	0,723
-6,495	616,830	-5,800	617,247	-3,00	-3,50	617,316	-3,00	471+0,000		616,667	617,421		616,667	0,754
-6,524	617,139	-5,800	617,527	-3,00	-3,50	617,596	-3,00	472+0,000		616,917	617,701		616,917	0,784
-6,549	617,308	-5,800	617,807	-3,00	-3,50	617,876	-3,00	473+0,000	PCV	617,167	617,981		617,167	0,814
-6,492	617,667	-5,800	618,087	-3,00	-3,50	618,156	-3,00	474+0,000	PCV	617,417	618,261		617,417	0,844
-6,591	617,834	-5,800	618,361	-3,00	-3,50	618,430	-3,00	475+0,000		617,667	618,535		617,667	0,868
-6,593	618,095	-5,800	618,623	-3,00	-3,50	618,692	-3,00	476+0,000		617,917	618,797		617,917	0,880
-6,484	618,417	-5,800	618,873	-3,00	-3,50	618,942	-3,00	477+0,000		618,117	619,047		618,117	0,830
-7,590	619,717	-5,800	619,111	-3,00	-3,50	619,180	-3,00	478+0,000		618,982	619,285		618,982	0,303
-7,929	619,917	-5,800	619,336	-3,00	-3,50	619,405	-3,00	479+0,000		619,405	619,510		619,405	0,343
-7,328	618,531	-5,800	619,549	-3,00	-3,50	619,618	-3,00	480+0,000		618,917	619,723		618,917	0,806

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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SINFRACAP202650475A



Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Lado Esquerdo					Eixo					Lado Direito				
Acostamento					Pista					Acostamento				
Offset									Pista					Offset
Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)		Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)	
-6.788	619.092	-5.800	619.751	-3.00	-3.50	619.820	-3.00	481+0.000	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Terreno	Cota Projeto	Cota Terreno	Cota Vermelha
-6.897	619.209	-5.800	619.940	-3.00	-3.50	620.009	-3.00	482+0.000						
-6.860	619.417	-5.800	620.117	-3.00	-3.50	620.186	-3.00	483+0.000	PTV	PTV	619.417	620.291	619.417	0.874
-6.722	619.667	-5.800	620.282	-3.00	-3.50	620.351	-3.00	484+0.000						
-6.861	619.733	-5.800	620.440	-3.00	-3.50	620.509	-3.00	485+0.000	PTV	PTV	619.667	620.456	619.504	0.951
-6.823	619.917	-5.800	620.599	-3.00	-3.50	620.668	-3.00	486+0.000						
-7.061	619.917	-5.800	620.758	-3.00	-3.50	620.827	-3.00	487+0.000	PTV	PTV	619.917	620.932	619.917	1.015
-7.300	619.917	-5.800	620.917	-3.00	-3.50	620.986	-3.00	488+0.000						
-7.163	620.167	-5.800	621.075	-3.00	-3.50	621.144	-3.00	489+0.000	PTV	PTV	620.167	621.249	620.167	1.082
-7.401	620.167	-5.800	621.234	-3.00	-3.50	621.303	-3.00	490+0.000						
-7.264	620.417	-5.800	621.393	-3.00	-3.50	621.462	-3.00	491+0.000	PTV	PTV	620.417	621.567	620.417	1.150
-7.488	620.420	-5.800	621.545	-3.00	-3.50	621.614	-3.00	492+0.000						
-7.273	620.703	-5.800	621.685	-3.00	-3.50	621.754	-3.00	493+0.000	PTV	PTV	620.703	621.859	620.703	1.167
-7.518	620.667	-5.800	621.813	-3.00	-3.50	621.882	-3.00	494+0.000						
-7.273	620.945	-5.800	621.927	-3.00	-3.50	621.996	-3.00	495+0.000	PTV	PTV	621.927	622.101	621.927	0.684
-7.135	621.140	-5.800	622.029	-3.00	-3.50	622.098	-3.00	496+0.000						
-7.603	620.917	-5.800	622.119	-3.00	-3.50	622.188	-3.00	497+0.000	PTV	PTV	620.917	622.203	620.917	0.286
-6.968	621.417	-5.800	622.196	-3.00	-3.50	622.265	-3.00	498+0.000						
-7.064	621.417	-5.800	622.260	-3.00	-3.50	622.329	-3.00	499+0.000	PTV	PTV	621.417	622.370	621.417	0.953
-7.121	621.470	-5.800	622.311	-3.00	-3.50	622.380	-3.00	500+0.000						
-6.942	621.622	-5.800	622.383	-3.00	-3.50	622.452	-3.00	502+0.000	PTV	PTV	621.622	622.524	621.622	1.017
-6.923	621.667	-5.800	622.416	-3.00	-3.50	622.485	-3.00	503+0.000						
-6.972	621.667	-5.800	622.449	-3.00	-3.50	622.518	-3.00	504+0.000	PTV	PTV	621.667	622.655	621.667	0.755
-6.761	621.841	-5.800	622.481	-3.00	-3.50	622.550	-3.00	505+0.000						
-6.695	621.917	-5.800	622.514	-3.00	-3.50	622.583	-3.00	506+0.000	PTV	PTV	621.917	622.688	621.917	0.771
-6.745	621.917	-5.800	622.547	-3.00	-3.50	622.616	-3.00	507+0.000						
-6.794	621.917	-5.800	622.579	-3.00	-3.50	622.648	-3.00	508+0.000	PTV	PTV	621.917	622.721	621.917	0.804
-6.840	621.917	-5.800	622.611	-3.00	-3.50	622.680	-3.00	509+0.000						
-6.883	621.917	-5.800	622.639	-3.00	-3.50	622.708	-3.00	510+0.000	PTV	PTV	621.917	622.785	621.917	0.868
-6.921	621.917	-5.800	622.664	-3.00	-3.50	622.733	-3.00	511+0.000						
-6.955	621.917	-5.800	622.687	-3.00	-3.50	622.756	-3.00	512+0.000	PTV	PTV	621.917	622.861	621.917	0.444
-6.984	621.917	-5.800	622.706	-3.00	-3.50	622.775	-3.00	513+0.000						
-6.475	621.917	-5.800	622.723	-3.00	-3.50	622.792	-3.00	514+0.000	PTV	PTV	621.917	622.897	621.917	0.730
-7.029	621.917	-5.800	622.736	-3.00	-3.50	622.805	-3.00	515+0.000						
-7.045	621.917	-5.800	622.747	-3.00	-3.50	622.816	-3.00	516+0.000	PTV	PTV	621.917	622.921	621.917	1.004
-7.057	621.917	-5.800	622.755	-3.00	-3.50	622.824	-3.00	517+0.000						
-7.064	621.917	-5.800	622.760	-3.00	-3.50	622.829	-3.00	518+0.000	PTV	PTV	621.917	622.934	621.917	1.017
-7.069	621.917	-5.800	622.763	-3.00	-3.50	622.832	-3.00	519+0.000						
-7.074	621.917	-5.800	622.766	-3.00	-3.50	622.835	-3.00	520+0.000	PTV	PTV	621.917	622.937	621.917	1.020
-7.079	621.917	-5.800	622.769	-3.00	-3.50	622.838	-3.00	521+0.000						

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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SINFRACAP202650475A



Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Lado Esquerdo					Eixo					Lado Direito				
Acostamento					Pista					Acostamento				
Offset	Cota (m)		Incl, (%)	Afast, (m)	Cota (m)		Incl, (%)	Afast, (m)	Cota (m)		Incl, (%)	Afast, (m)	Cota (m)	
Afast, (m)	Offset	Afast, (m)	Incl, (%)	Afast, (m)	Offset	Afast, (m)	Incl, (%)	Afast, (m)	Offset	Afast, (m)	Incl, (%)	Afast, (m)	Offset	Afast, (m)
-7,084	621,917	-5,800	622,773	-3,00	-3,50	622,842	-3,00	522+0,000		621,903	1,044	622,947	621,903	1,044
-7,089	621,917	-5,800	622,776	-3,00	-3,50	622,845	-3,00	523+0,000		621,947	1,003	622,950	621,947	1,003
-7,094	621,917	-5,800	622,779	-3,00	-3,50	622,848	-3,00	524+0,000		622,953	0,985	622,957	622,953	0,985
-7,099	621,917	-5,800	622,783	-3,00	-3,50	622,852	-3,00	525+0,000		622,958	0,999	622,960	622,958	0,999
-7,104	621,917	-5,800	622,786	-3,00	-3,50	622,855	-3,00	526+0,000		622,960	0,818	622,963	622,960	0,818
-6,733	621,167	-5,800	622,789	-3,00	-3,50	622,858	-3,00	527+0,000		622,963	0,638	622,967	622,963	0,638
-6,537	622,417	-5,800	622,793	-3,00	-3,50	622,862	-3,00	528+0,000		622,967	0,469	622,969	622,967	0,469
-6,538	622,417	-5,800	622,796	-3,00	-3,50	622,865	-3,00	529+0,000		622,970	1,304	622,973	622,970	1,304
-6,530	622,417	-5,800	622,799	-3,00	-3,50	622,868	-3,00	530+0,000		622,973	1,171	622,977	622,973	1,171
-6,829	622,116	-5,800	622,803	-3,00	-3,50	622,872	-3,00	531+0,000		622,977	0,726	622,980	622,977	0,726
-7,133	621,917	-5,800	622,806	-3,00	-3,50	622,875	-3,00	532+0,000		622,980	1,105	622,983	622,980	1,105
-7,145	621,917	-5,800	622,809	-3,00	-3,50	622,878	-3,00	533+0,000		622,983	1,122	622,986	622,983	1,122
-7,152	621,911	-5,800	622,812	-3,00	-3,50	622,881	-3,00	534+0,000		622,986	0,958	622,989	622,986	0,958
-7,148	621,917	-5,800	622,816	-3,00	-3,50	622,885	-3,00	535+0,000		622,993	1,102	622,996	622,993	1,102
-7,153	621,917	-5,800	622,819	-3,00	-3,50	622,888	-3,00	536+0,000		622,996	0,999	622,999	622,996	0,999
-7,158	621,917	-5,800	622,822	-3,00	-3,50	622,891	-3,00	537+0,000		622,999	1,077	623,002	622,999	1,077
-7,163	621,917	-5,800	622,826	-3,00	-3,50	622,895	-3,00	538+0,000		623,002	0,998	623,005	623,002	0,998
-7,168	621,917	-5,800	622,829	-3,00	-3,50	622,898	-3,00	539+0,000		623,005	1,027	623,008	623,005	1,027
-7,173	621,917	-5,800	622,832	-3,00	-3,50	622,901	-3,00	540+0,000		623,008	1,013	623,011	623,008	1,013
-7,178	621,917	-5,800	622,836	-3,00	-3,50	622,905	-3,00	541+0,000		623,011	1,080	623,014	623,011	1,080
-7,183	621,917	-5,800	622,839	-3,00	-3,50	622,908	-3,00	542+0,000		623,014	1,075	623,017	623,014	1,075
-7,188	621,917	-5,800	622,842	-3,00	-3,50	622,911	-3,00	543+0,000		623,017	1,004	623,020	623,017	1,004
-7,193	621,917	-5,800	622,846	-3,00	-3,50	622,915	-3,00	544+0,000	PCV	623,020	1,049	623,023	623,020	1,049
-7,198	621,917	-5,800	622,849	-3,00	-3,50	622,918	-3,00	545+0,000	PCV	623,023	1,026	623,026	623,023	1,026
-7,202	621,917	-5,800	622,852	-3,00	-3,50	622,921	-3,00	546+0,000		623,026	1,056	623,029	623,026	1,056
-7,096	621,991	-5,800	622,855	-3,00	-3,50	622,924	-3,00	547+0,000		623,029	0,853	623,031	623,029	0,853
-6,823	622,175	-5,800	622,857	-3,00	-3,50	622,926	-3,00	548+0,000		623,031	0,599	623,033	623,031	0,599
-6,543	622,489	-5,800	622,858	-3,00	-3,50	622,927	-3,00	549+0,000		623,032	0,260	623,034	623,032	0,260
-6,511	622,558	-5,800	622,859	-3,00	-3,50	622,928	-3,00	550+0,000		623,033	0,397	623,035	623,033	0,397
-6,542	622,489	-5,800	622,860	-3,00	-3,50	622,929	-3,00	551+0,000		623,034	0,799	623,036	623,034	0,799
-6,879	622,203	-5,800	622,860	-3,00	-3,50	622,929	-3,00	552+0,000		623,034	1,105	623,036	623,034	1,105
-7,215	621,917	-5,800	622,860	-3,00	-3,50	622,929	-3,00	553+0,000	PTV	623,034	1,099	623,036	623,034	1,099
-7,213	621,917	-5,800	622,859	-3,00	-3,50	622,928	-3,00	554+0,000		623,033	1,078	623,035	623,033	1,078
-7,126	621,974	-5,800	622,858	-3,00	-3,50	622,927	-3,00	555+0,000	PTV	623,032	0,976	623,034	623,032	0,976
-7,133	621,968	-5,800	622,857	-3,00	-3,50	622,926	-3,00	556+0,000		623,031	0,932	623,033	623,031	0,932
-7,119	621,976	-5,800	622,855	-3,00	-3,50	622,924	-3,00	557+0,000		623,029	0,843	623,031	623,029	0,843
-6,845	622,157	-5,800	622,854	-3,00	-3,50	622,923	-3,00	558+0,000		623,028	0,882	623,030	623,028	0,882
-6,839	622,160	-5,800	622,852	-3,00	-3,50	622,921	-3,00	559+0,000		623,026	0,768	623,028	623,026	0,768
-6,827	622,166	-5,800	622,851	-3,00	-3,50	622,920	-3,00	560+0,000		623,025	0,861	623,027	623,025	0,861
-6,824	622,167	-5,800	622,849	-3,00	-3,50	622,918	-3,00	561+0,000		623,023	0,856	623,025	623,023	0,856
-6,821	622,167	-5,800	622,848	-3,00	-3,50	622,917	-3,00	562+0,000		623,022	0,856	623,024	623,022	0,856

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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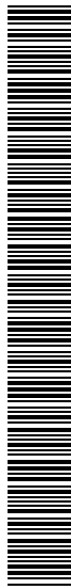
Nota de Serviço de Pavimentação														
MT 388 0+0,000 635+0,000														
Eixo														
Lado Esquerdo					Lado Direito					Lado Direito				
Acostamento					Pista					Acostamento				
Offset					Offset					Offset				
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)
-6.819	622.167	-5.800	622.846	-3.00	-3.50	622.915	-3.00	622.915	-3.00	5.800	622.846	-3.00	6.500	622.380
-6.817	622.167	-5.800	622.845	-3.00	-3.50	622.914	-3.00	622.914	-3.00	5.800	622.845	-3.00	6.509	622.442
-6.815	622.167	-5.800	622.844	-3.00	-3.50	622.913	-3.00	622.913	-3.00	5.800	622.844	-3.00	6.532	622.463
-6.813	622.167	-5.800	622.842	-3.00	-3.50	622.911	-3.00	622.911	-3.00	5.800	622.842	-3.00	6.558	622.488
-6.744	622.211	-5.800	622.841	-3.00	-3.50	622.910	-3.00	622.910	-3.00	5.800	622.841	-3.00	6.594	622.523
-6.488	622.415	-5.800	622.839	-3.00	-3.50	622.908	-3.00	622.908	-3.00	5.800	622.839	-3.00	6.624	622.551
-6.492	622.417	-5.800	622.838	-3.00	-3.50	622.907	-3.00	622.907	-3.00	5.800	622.838	-3.00	6.648	622.573
-6.493	622.417	-5.800	622.836	-3.00	-3.50	622.905	-3.00	622.905	-3.00	5.800	622.836	-3.00	6.689	622.613
-6.495	622.417	-5.800	622.835	-3.00	-3.50	622.904	-3.00	622.904	-3.00	5.800	622.835	-3.00	6.695	622.617
-6.496	622.417	-5.800	622.833	-3.00	-3.50	622.902	-3.00	622.902	-3.00	5.800	622.833	-3.00	6.748	622.669
-6.504	622.431	-5.800	622.840	-3.00	-3.50	622.903	-3.00	622.903	-3.00	5.800	622.840	-3.00	6.700	622.622
-6.980	622.917	-5.800	622.850	-3.00	-3.50	622.919	-3.00	622.919	-3.00	5.800	622.850	-3.00	6.925	622.863
-6.724	622.676	-5.800	622.865	-3.00	-3.50	622.934	-3.00	622.934	-3.00	5.800	622.865	-3.00	7.090	623.042
-6.622	622.594	-5.800	622.884	-3.00	-3.50	622.953	-3.00	622.953	-3.00	5.800	622.884	-3.00	7.265	623.237
-6.862	622.858	-5.800	622.909	-3.00	-3.50	622.978	-3.00	622.978	-3.00	5.800	622.909	-3.00	6.961	622.957
-6.642	622.667	-5.800	622.937	-3.00	-3.50	623.006	-3.00	623.006	-3.00	5.800	622.937	-3.00	6.936	622.961
-6.605	622.664	-5.800	622.971	-3.00	-3.50	623.040	-3.00	623.040	-3.00	5.800	622.971	-3.00	6.771	622.829
-6.566	622.663	-5.800	623.009	-3.00	-3.50	623.078	-3.00	623.078	-3.00	5.800	623.009	-3.00	6.769	622.865
-6.526	622.665	-5.800	623.052	-3.00	-3.50	623.121	-3.00	623.121	-3.00	5.800	623.052	-3.00	6.742	622.882
-6.483	622.668	-5.800	623.097	-3.00	-3.50	623.166	-3.00	623.166	-3.00	5.800	623.097	-3.00	6.777	622.962
-6.514	622.667	-5.800	623.143	-3.00	-3.50	623.212	-3.00	623.212	-3.00	5.800	623.143	-3.00	6.704	622.934
-6.581	622.667	-5.800	623.188	-3.00	-3.50	623.257	-3.00	623.257	-3.00	5.800	623.188	-3.00	6.621	622.897
-6.649	622.667	-5.800	623.233	-3.00	-3.50	623.302	-3.00	623.302	-3.00	5.800	623.233	-3.00	6.530	622.851
-6.717	622.667	-5.800	623.278	-3.00	-3.50	623.347	-3.00	623.347	-3.00	5.800	623.278	-3.00	6.573	622.939
-6.785	622.667	-5.800	623.324	-3.00	-3.50	623.393	-3.00	623.393	-3.00	5.800	623.324	-3.00	6.557	622.969
-6.853	622.667	-5.800	623.369	-3.00	-3.50	623.438	-3.00	623.438	-3.00	5.800	623.369	-3.00	6.557	623.013
-6.921	622.667	-5.800	623.414	-3.00	-3.50	623.483	-3.00	623.483	-3.00	5.800	623.414	-3.00	6.499	623.001
-6.989	622.667	-5.800	623.459	-3.00	-3.50	623.528	-3.00	623.528	-3.00	5.800	623.459	-3.00	6.497	622.995
-6.989	622.710	-5.800	623.502	-3.00	-3.50	623.571	-3.00	623.571	-3.00	5.800	623.502	-3.00	6.487	623.044
-6.771	622.894	-5.800	623.541	-3.00	-3.50	623.610	-3.00	623.610	-3.00	5.800	623.541	-3.00	6.575	623.025
-7.164	622.667	-5.800	623.576	-3.00	-3.50	623.645	-3.00	623.645	-3.00	5.800	623.576	-3.00	6.547	623.211
-7.210	622.667	-5.800	623.607	-3.00	-3.50	623.676	-3.00	623.676	-3.00	5.800	623.607	-3.00	6.822	623.516
-6.474	623.417	-5.800	623.655	-3.00	-3.50	623.724	-3.00	623.724	-3.00	5.800	623.655	-3.00	6.674	623.073
-6.935	622.917	-5.800	623.673	-3.00	-3.50	623.742	-3.00	623.742	-3.00	5.800	623.673	-3.00	7.046	622.843
-7.330	622.667	-5.800	623.687	-3.00	-3.50	623.756	-3.00	623.756	-3.00	5.800	623.687	-3.00	7.127	622.803
-7.345	622.667	-5.800	623.697	-3.00	-3.50	623.766	-3.00	623.766	-3.00	5.800	623.697	-3.00	7.023	622.882
-7.353	622.667	-5.800	623.702	-3.00	-3.50	623.771	-3.00	623.771	-3.00	5.800	623.702	-3.00	7.068	622.857
-7.358	622.667	-5.800	623.706	-3.00	-3.50	623.775	-3.00	623.775	-3.00	5.800	623.706	-3.00	7.224	622.756
-7.363	622.667	-5.800	623.709	-3.00	-3.50	623.778	-3.00	623.778	-3.00	5.800	623.709	-3.00	6.866	622.998

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Nota de Serviço de Pavimentação																
MT 388 0+0,000 635+0,000																
Eixo																
Lado Esquerdo				Pista				Lado Direito				Offet				
Offet	Acostamento			Cota (m)		Incl. (%)		Pista		Acostamento		Offet				
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)			Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-7,368	622,667	-5,800	623,713	-3,00	-3,50	623,782	-3,00	623,782	-3,00	5,800	623,713	-3,00	6,942	622,951		
-7,380	622,663	-5,800	623,716	-3,00	-3,50	623,785	-3,00	623,785	-3,00	5,800	623,716	-3,00	7,070	622,869		
-7,384	622,663	-5,800	623,719	-3,00	-3,50	623,788	-3,00	623,788	-3,00	5,800	623,719	-3,00	7,110	622,846		
-7,384	622,667	-5,800	623,723	-3,00	-3,50	623,792	-3,00	623,792	-3,00	5,800	623,723	-3,00	7,090	622,862		
-7,361	622,685	-5,800	623,726	-3,00	-3,50	623,795	-3,00	623,795	-3,00	5,800	623,726	-3,00	7,229	622,773		
-7,011	622,917	-5,800	623,724	-3,00	-3,50	623,793	-3,00	623,793	-3,00	5,800	623,724	-3,00	6,850	623,024		
-7,741	622,417	-5,800	623,711	-3,00	-3,50	623,780	-3,00	623,780	-3,00	5,800	623,711	-3,00	6,503	623,302		
-7,705	622,417	-5,800	623,687	-3,00	-3,50	623,756	-3,00	623,756	-3,00	5,800	623,687	-3,00	6,481	623,233		
-7,225	622,703	-5,800	623,652	-3,00	-3,50	623,721	-3,00	623,721	-3,00	5,800	623,652	-3,00	6,550	623,290		
-6,911	622,866	-5,800	623,607	-3,00	-3,50	623,676	-3,00	623,676	-3,00	5,800	623,607	-3,00	7,210	622,667		
-6,871	622,837	-5,800	623,550	-3,00	-3,50	623,619	-3,00	623,619	-3,00	5,800	623,550	-3,00	7,118	622,672		
-6,861	622,776	-5,800	623,483	-3,00	-3,50	623,552	-3,00	623,552	-3,00	5,800	623,483	-3,00	7,098	622,618		
-6,676	622,820	-5,800	623,405	-3,00	-3,50	623,474	-3,00	623,474	-3,00	5,800	623,405	-3,00	6,898	622,672		
-6,675	622,732	-5,800	623,315	-3,00	-3,50	623,384	-3,00	623,384	-3,00	5,800	623,315	-3,00	6,761	622,675		
-6,476	622,765	-5,800	623,215	-3,00	-3,50	623,284	-3,00	623,284	-3,00	5,800	623,215	-3,00	6,586	622,691		
-6,677	622,525	-5,800	623,110	-3,00	-3,50	623,179	-3,00	623,179	-3,00	5,800	623,110	-3,00	6,761	622,469		
-6,590	622,501	-5,800	623,001	-3,00	-3,50	623,070	-3,00	623,070	-3,00	5,800	623,001	-3,00	6,670	622,421		
-6,502	622,477	-5,800	622,887	-3,00	-3,50	622,956	-3,00	622,956	-3,00	5,800	622,887	-3,00	6,864	622,177		
-6,525	622,379	-5,800	622,766	-3,00	-3,50	622,835	-3,00	622,835	-3,00	5,800	622,766	-3,00	7,074	621,917		
-6,946	621,876	-5,800	622,640	-3,00	-3,50	622,709	-3,00	622,709	-3,00	5,800	622,640	-3,00	7,259	621,667		
-6,983	621,719	-5,800	622,507	-3,00	-3,50	622,576	-3,00	622,576	-3,00	5,800	622,507	-3,00	7,170	621,594		
-6,914	621,626	-5,800	622,369	-3,00	-3,50	622,438	-3,00	622,438	-3,00	5,800	622,369	-3,00	7,159	621,463		
-6,941	621,464	-5,800	622,225	-3,00	-3,50	622,294	-3,00	622,294	-3,00	5,800	622,225	-3,00	7,146	621,328		
-6,941	621,314	-5,800	622,074	-3,00	-3,50	622,143	-3,00	622,143	-3,00	5,800	622,074	-3,00	7,032	621,253		
-6,869	621,209	-5,800	621,921	-3,00	-3,50	621,990	-3,00	621,990	-3,00	5,800	621,921	-3,00	7,082	621,067		
-6,889	621,042	-5,800	621,768	-3,00	-3,50	621,837	-3,00	621,837	-3,00	5,800	621,768	-3,00	7,076	620,917		
-6,919	620,868	-5,800	621,615	-3,00	-3,50	621,684	-3,00	621,684	-3,00	5,800	621,615	-3,00	7,149	620,715		
-6,956	620,691	-5,800	621,461	-3,00	-3,50	621,530	-3,00	621,530	-3,00	5,800	621,461	-3,00	7,090	620,601		
-6,971	620,527	-5,800	621,308	-3,00	-3,50	621,377	-3,00	621,377	-3,00	5,800	621,308	-3,00	7,109	620,436		
-6,972	620,374	-5,800	621,155	-3,00	-3,50	621,224	-3,00	621,224	-3,00	5,800	621,155	-3,00	7,135	620,265		
-6,953	620,233	-5,800	621,002	-3,00	-3,50	621,071	-3,00	621,071	-3,00	5,800	621,002	-3,00	7,052	620,167		
-6,897	620,117	-5,800	620,848	-3,00	-3,50	620,917	-3,00	620,917	-3,00	5,800	620,848	-3,00	6,986	620,058		

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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4.2. Notas de Serviço de Pavimentação da Interseção

Volume 3C - Cálculo dos Volumes e Notas
de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





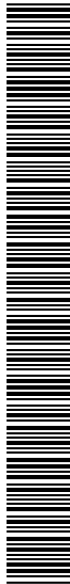
Nota de Serviço de Pavimentação													
Ramo 01 0+0.000 6+14.281													
Lado Esquerdo				Eixo				Lado Direito					
Bordo		Cota (m)	Incl. (%)	Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)										Afast. (m)	Cota (m)	Incl. (%)	
-5,000	615,357	3,00	0+0,000				615,207	615,081	0,126	0,800	615,183	-3,00	1,811
-5,703	615,434	3,00	0+10,000			PCV	615,263	615,141	0,121	0,800	615,239	-3,00	1,814
-7,000	615,528	3,00	1+0,000			PCV	615,318	615,194	0,124	0,800	615,294	-3,00	1,805
-7,000	615,550	3,00	1+3,971				615,340	615,209	0,131	0,800	615,316	-3,00	1,798
-7,000	615,582	3,00	1+10,000				615,372	615,221	0,151	0,800	615,348	-3,00	1,779
-1,696	615,476	3,00	2+0,000				615,425	615,189	0,235	0,800	615,401	-3,00	1,689
-5,000	615,615	3,00	2+7,942		PCR		615,465	615,099	0,366	0,800	615,441	-3,00	1,561
-5,000	615,625	3,00	2+10,000				615,475	615,075	0,400	0,800	615,451	-3,00	1,526
-5,000	615,672	3,00	3+0,000				615,522	615,045	0,478	0,800	615,498	-3,00	1,483
-5,000	615,705	3,00	3+7,141				615,555	615,264	0,291	0,800	615,531	-3,00	1,650
-5,000	615,718	3,00	3+10,000				615,568	615,299	0,269	0,800	615,544	-3,00	1,664
-5,000	615,761	3,00	4+0,000				615,611	615,391	0,220	0,800	615,587	-3,00	1,719
-5,000	615,787	3,00	4+6,339		PCR		615,637	615,447	0,190	0,800	615,613	-3,00	1,753
-0,345	615,662	3,00	4+10,000			PTV	615,652	615,479	0,173	0,800	615,628	-3,00	1,769
-5,728	615,863	3,00	5+0,000			PTV	615,691	615,567	0,124	0,800	615,667	-3,00	1,817
-7,093	615,941	3,00	5+10,000				615,728	615,626	0,103	0,800	615,704	-3,00	1,840
-7,116	615,943	3,00	5+10,310				615,730	615,627	0,102	0,800	615,706	-3,00	1,841
-6,051	615,948	3,00	6+0,000				615,766	615,675	0,091	0,800	615,742	-3,00	1,850
-4,977	615,953	3,00	6+10,000				615,804	615,728	0,076	0,800	615,780	-3,00	1,864
-4,977	615,953	3,00	6+14,281				615,804	615,751	0,052	0,800	615,780	-3,00	1,864

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



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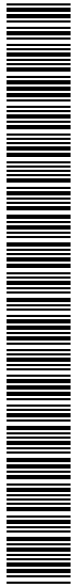
Nota de Serviço de Pavimentação													
Ramo 03 0+0.000 4+12.904													
Lado Esquerdo				Eixo				Lado Direito					
Bordo		Estaca		Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Incl. (%)								Afast. (m)	Incl. (%)	Afast. (m)	Cota (m)	
-5,00	3,00	0+0,000				613,468	612,557	0,9110	0,800	-3,00	2,039	612,618	
-5,00	3,00	0+0,921				613,524	612,607	0,9170	0,800	-3,00	2,052	612,665	
-5,73	3,00	0+10,000	PC		PCV	614,068	613,081	0,9870	0,800	-3,00	2,169	613,132	
-7,00	3,00	1+0,000				614,608	613,489	1,1190	0,800	-3,00	2,743	613,289	
-7,00	3,00	1+10,000				615,026	613,727	1,2990	0,800	-3,00	2,983	613,547	
0,00	3,00	2+0,000				615,323	613,926	1,3970	0,800	-3,00	3,127	613,747	
0,00	3,00	2+5,543				615,435	614,004	1,4320	0,800	-3,00	3,274	613,762	
0,00	3,00	2+10,000				615,499	614,088	1,4110	0,800	-3,00	3,199	613,876	
-6,99	3,00	3+0,000				615,553	614,490	1,0640	0,800	-3,00	2,734	614,240	
-6,98	3,00	3+10,000			PTV	615,486	614,707	0,7800	0,800	-3,00	2,239	614,503	
-6,03	3,00	4+0,000				615,359	614,906	0,4530	0,800	-3,00	1,682	614,747	
-5,02	3,00	4+10,000				615,232	614,952	0,2800	0,800	-3,00	1,512	614,808	
-5,02	3,00	4+10,165	PT			615,230	614,951	0,2790	0,800	-3,00	1,514	614,807	
-5,00	3,00	4+12,904				615,195	614,942	0,2530	0,800	-3,00	1,537	614,795	

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



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4.3. Notas de Serviço de Terraplenagem

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



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Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo					Eixo					Lado Direito					
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)		
-7,039	612,618	-6,468	612,999	-3.00	3+0.000			613,193	612,964	0,229	6,468	612,999	-3.00	7,027	612,626
-6,971	612,050	-6,468	612,385	-3.00	4+0.000			612,579	612,093	0,486	6,468	612,385	-3.00	6,849	612,131
-6,667	611,638	-6,468	611,771	-3.00	5+0.000			611,965	611,334	0,631	6,468	611,771	-3.00	6,984	611,427
-6,496	611,138	-6,468	611,157	-3.00	6+0.000			611,351	610,704	0,647	6,468	611,157	-3.00	7,348	610,570
-6,495	610,570	-6,468	610,543	-3.00	7+0.000			610,737	610,243	0,494	6,468	610,543	-3.00	7,718	609,709
-6,833	610,294	-6,468	609,929	-3.00	8+0.000		PCV	610,123	610,051	0,072	6,468	609,929	-3.00	6,562	609,866
-7,234	610,090	-6,468	609,323	-3.00	9+0.000			609,517	609,938	-0,421	6,468	609,323	-3.00	7,451	610,306
-7,584	609,852	-6,468	608,735	-3.00	10+0.000			608,929	609,684	-0,755	6,468	608,735	-3.00	7,332	609,600
-6,979	608,676	-6,468	608,164	-3.00	11+0.000			608,358	608,586	-0,228	6,468	608,164	-3.00	7,045	608,742
-6,658	607,801	-6,468	607,610	-3.00	12+0.000		PTV	607,805	607,513	0,292	6,468	607,610	-3.00	6,595	607,738
-6,512	607,110	-6,468	607,066	-3.00	13+0.000			607,260	606,902	0,358	6,468	607,066	-3.00	6,576	606,993
-6,600	606,432	-6,468	606,521	-3.00	14+0.000		PCV	606,715	606,378	0,337	6,468	606,521	-3.00	6,846	606,268
-7,170	606,693	-6,468	605,991	-3.00	15+0.000			606,185	605,789	0,396	6,468	605,991	-3.00	6,685	606,208
-6,776	605,799	-6,468	605,491	-3.00	16+0.000			605,685	605,127	0,558	6,468	605,491	-3.00	6,663	605,686
-6,874	605,427	-6,468	605,021	-3.00	17+0.000			605,215	604,637	0,578	6,468	605,021	-3.00	6,516	605,069
-6,576	604,508	-6,468	604,581	-3.00	18+0.000		PTV	604,775	604,085	0,690	6,468	604,581	-3.00	6,679	604,440
-6,502	604,133	-6,468	604,156	-3.00	19+0.000			604,350	603,694	0,656	6,468	604,156	-3.00	6,753	603,966
-6,502	603,765	-6,468	603,731	-3.00	20+0.000		PCV	603,925	603,549	0,376	6,468	603,731	-3.00	6,511	603,775
-6,867	603,698	-6,468	603,299	-3.00	21+0.000			603,493	603,488	0,005	6,468	603,299	-3.00	6,814	603,645
-6,814	603,197	-6,468	602,851	-3.00	22+0.000			603,045	603,231	-0,186	6,468	602,851	-3.00	6,583	602,966
-6,588	602,510	-6,468	602,390	-3.00	23+0.000		PTV	602,584	602,605	-0,021	6,468	602,390	-3.00	6,607	602,296
-6,649	601,792	-6,468	601,913	-3.00	24+0.000			602,107	602,062	0,045	6,468	601,913	-3.00	6,695	601,762
-6,752	601,239	-6,468	601,429	-3.00	25+0.000			601,623	601,502	0,121	6,468	601,429	-3.00	6,587	601,549
-6,784	600,784	-6,468	600,945	-3.00	26+0.000			601,139	600,989	0,150	6,468	600,945	-3.00	6,513	600,991
-6,585	600,382	-6,468	600,461	-3.00	27+0.000			600,655	600,507	0,148	6,468	600,461	-3.00	6,624	600,357
-6,694	599,826	-6,468	599,977	-3.00	28+0.000			600,171	599,970	0,201	6,468	599,977	-3.00	6,951	599,655

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Engenharia
 Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388
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MT 388 0+0.000 635+0.000												
Lado Esquerdo					Eixo					Lado Direito		
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Incl. (%)
-6,881	599,217	-6,468	599,493	-3,00	29+0.000			599,687	599,489	0,198	6,468	599,493
-7,081	598,600	-6,468	599,009	-3,00	30+0.000			599,203	598,980	0,223	6,468	599,009
-7,109	598,097	-6,468	598,525	-3,00	31+0.000			598,719	598,344	0,375	6,468	598,525
-7,390	597,425	-6,468	598,041	-3,00	32+0.000			598,235	597,749	0,486	6,468	598,041
-7,331	596,981	-6,468	597,557	-3,00	33+0.000			597,751	597,257	0,494	6,468	597,557
-7,173	596,602	-6,468	597,073	-3,00	34+0.000			597,267	596,837	0,430	6,468	597,073
-7,264	596,058	-6,468	596,588	-3,00	35+0.000			596,782	596,395	0,387	6,468	596,588
-7,405	595,479	-6,468	596,104	-3,00	36+0.000			596,298	595,919	0,379	6,468	596,104
-7,174	595,150	-6,468	595,620	-3,00	37+0.000		PCV	595,814	595,387	0,427	6,468	595,620
-6,887	594,858	-6,468	595,138	-3,00	38+0.000			595,332	594,811	0,521	6,468	595,138
-7,211	594,162	-6,468	594,658	-3,00	39+0.000			594,852	594,271	0,581	6,468	594,658
-7,354	593,589	-6,468	594,180	-3,00	40+0.000			594,374	593,787	0,587	6,468	594,180
-7,261	593,177	-6,468	593,706	-3,00	41+0.000			593,900	593,381	0,519	6,468	593,706
-7,406	592,608	-6,468	593,234	-3,00	42+0.000			593,428	592,666	0,762	6,468	593,234
-7,504	592,073	-6,468	592,764	-3,00	43+0.000		PTV	592,958	592,096	0,862	6,468	592,764
-7,832	591,387	-6,468	592,296	-3,00	44+0.000			592,490	591,290	1,200	6,468	592,296
-8,203	590,671	-6,468	591,828	-3,00	45+0.000			592,022	590,629	1,393	6,468	591,828
-8,311	590,131	-6,468	591,360	-3,00	46+0.000			591,554	590,093	1,461	6,468	591,360
-8,264	589,694	-6,468	590,892	-3,00	47+0.000			591,086	589,784	1,302	6,468	590,892
-7,855	589,499	-6,468	590,424	-3,00	48+0.000			590,618	589,601	1,017	6,468	590,424
-8,143	588,839	-6,468	589,956	-3,00	49+0.000			590,150	589,404	0,746	6,468	589,956
-7,830	588,580	-6,468	589,488	-3,00	50+0.000			589,682	589,104	0,578	6,468	589,488
-7,892	588,070	-6,468	589,020	-3,00	51+0.000			589,214	588,661	0,553	6,468	589,020
-8,011	587,523	-6,468	588,552	-3,00	52+0.000			588,746	588,201	0,545	6,468	588,552
-7,679	587,276	-6,468	588,084	-3,00	53+0.000		PCV	588,278	587,727	0,551	6,468	588,084
-7,904	586,670	-6,468	587,628	-3,00	54+0.000			587,822	587,277	0,545	6,468	587,628
-7,360	586,602	-6,468	587,197	-3,00	55+0.000			587,391	586,821	0,570	6,468	587,197
-7,530	586,083	-6,468	586,791	-3,00	56+0.000			586,985	586,440	0,545	6,468	586,791
-7,432	585,767	-6,468	586,410	-3,00	57+0.000			586,604	586,099	0,505	6,468	586,410
-7,528	585,347	-6,468	586,054	-3,00	58+0.000			586,248	585,736	0,512	6,468	586,054

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo								Eixo				Lado Direito			
Offset		Bordo		Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		Incl. (%)	Cota (m)
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)							Afast. (m)	Cota (m)	Afast. (m)	Cota (m)		
-7,543	585,005	-6,468	585,723	-3,00	59+0.000	PTV	585,917	585,408	0,509	6,468	585,723	-3,00	7,194	585,238	585,238
-7,578	584,663	-6,468	585,404	-3,00	60+0.000		585,598	585,099	0,499	6,468	585,404	-3,00	7,508	584,710	584,710
-7,736	584,239	-6,468	585,085	-3,00	61+0.000		585,279	584,800	0,479	6,468	585,085	-3,00	7,729	584,244	584,244
-7,363	584,169	-6,468	584,766	-3,00	62+0.000		584,960	584,480	0,480	6,468	584,766	-3,00	7,333	584,189	584,189
-7,317	583,880	-6,468	584,447	-3,00	63+0.000		584,641	584,149	0,492	6,468	584,447	-3,00	7,390	583,831	583,831
-7,900	583,172	-6,468	584,128	-3,00	64+0.000		584,322	583,762	0,560	6,468	584,128	-3,00	7,368	583,527	583,527
-7,484	583,131	-6,468	583,809	-3,00	65+0.000	PCV	584,003	583,454	0,549	6,468	583,809	-3,00	7,477	583,136	583,136
-7,226	582,999	-6,468	583,505	-3,00	66+0.000		583,699	583,160	0,539	6,468	583,505	-3,00	7,334	582,928	582,928
-7,572	582,497	-6,468	583,234	-3,00	67+0.000		583,428	582,857	0,571	6,468	583,234	-3,00	7,352	582,644	582,644
-7,360	582,399	-6,468	582,994	-3,00	68+0.000		583,188	582,573	0,615	6,468	582,994	-3,00	7,574	582,256	582,256
-7,257	582,259	-6,468	582,785	-3,00	69+0.000		582,979	582,362	0,617	6,468	582,785	-3,00	7,645	582,001	582,001
-7,357	582,016	-6,468	582,609	-3,00	70+0.000		582,803	582,254	0,549	6,468	582,609	-3,00	7,622	581,839	581,839
-7,228	581,956	-6,468	582,463	-3,00	71+0.000	PTV	582,657	582,256	0,401	6,468	582,463	-3,00	7,521	581,761	581,761
-7,246	581,815	-6,468	582,334	-3,00	72+0.000		582,528	582,236	0,292	6,468	582,334	-3,00	7,387	581,721	581,721
-7,434	581,561	-6,468	582,205	-3,00	73+0.000	PCV	582,399	581,779	0,620	6,468	582,205	-3,00	7,714	581,373	581,373
-7,532	581,355	-6,468	582,065	-3,00	74+0.000		582,259	581,688	0,571	6,468	582,065	-3,00	7,757	581,205	581,205
-7,498	581,216	-6,468	581,903	-3,00	75+0.000		582,097	581,591	0,506	6,468	581,903	-3,00	7,668	581,102	581,102
-7,215	581,222	-6,468	581,720	-3,00	76+0.000		581,914	581,435	0,479	6,468	581,720	-3,00	7,387	581,107	581,107
-7,153	581,059	-6,468	581,516	-3,00	77+0.000		581,710	581,140	0,570	6,468	581,516	-3,00	7,246	580,997	580,997
-7,197	580,804	-6,468	581,290	-3,00	78+0.000		581,484	580,907	0,577	6,468	581,290	-3,00	7,405	580,665	580,665
-7,028	580,670	-6,468	581,043	-3,00	79+0.000	PTV	581,237	580,686	0,551	6,468	581,043	-3,00	7,720	580,208	580,208
-7,346	580,200	-6,468	580,786	-3,00	80+0.000		580,980	580,370	0,610	6,468	580,786	-3,00	8,066	579,720	579,720
-7,318	579,961	-6,468	580,528	-3,00	81+0.000		580,722	580,051	0,671	6,468	580,528	-3,00	7,499	579,840	579,840
-7,200	579,782	-6,468	580,270	-3,00	82+0.000		580,464	579,881	0,583	6,468	580,270	-3,00	7,235	579,759	579,759
-7,223	579,509	-6,468	580,013	-3,00	83+0.000		580,207	579,613	0,594	6,468	580,013	-3,00	7,237	579,500	579,500
-7,781	578,880	-6,468	579,755	-3,00	84+0.000		579,949	579,254	0,695	6,468	579,755	-3,00	7,427	579,116	579,116
-7,673	578,694	-6,468	579,497	-3,00	85+0.000		579,691	579,010	0,681	6,468	579,497	-3,00	7,417	578,864	578,864
-7,797	578,354	-6,468	579,240	-3,00	86+0.000		579,434	578,697	0,737	6,468	579,240	-3,00	7,507	578,547	578,547

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo					Eixo					Lado Direito					
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7,683	578,172	-6,468	578,982	-3,00	87+0.000			579,176	578,390	0,786	6,468	578,982	-3,00	7,699	578,161
-7,998	577,704	-6,468	578,724	-3,00	88+0.000			578,918	578,153	0,765	6,468	578,724	-3,00	7,513	578,028
-7,851	577,545	-6,468	578,467	-3,00	89+0.000	PCV		578,661	578,023	0,638	6,468	578,467	-3,00	7,272	577,930
-7,681	577,400	-6,468	578,209	-3,00	90+0.000			578,403	577,843	0,560	6,468	578,209	-3,00	7,264	577,678
-7,428	577,310	-6,468	577,951	-3,00	91+0.000			578,145	577,612	0,533	6,468	577,951	-3,00	7,227	577,444
-7,270	577,157	-6,468	577,692	-3,00	92+0.000			577,886	577,313	0,573	6,468	577,692	-3,00	7,031	577,316
-7,200	576,944	-6,468	577,432	-3,00	93+0.000			577,626	577,032	0,594	6,468	577,432	-3,00	6,933	577,122
-7,034	576,795	-6,468	577,173	-3,00	94+0.000			577,367	576,925	0,442	6,468	577,173	-3,00	7,050	576,784
-7,003	576,555	-6,468	576,912	-3,00	95+0.000	PTV		577,106	576,638	0,468	6,468	576,912	-3,00	7,132	576,470
-7,164	576,188	-6,468	576,652	-3,00	96+0.000			576,846	576,399	0,447	6,468	576,652	-3,00	6,838	576,405
-7,227	575,885	-6,468	576,391	-3,00	97+0.000			576,585	576,131	0,454	6,468	576,391	-3,00	6,775	576,186
-7,453	575,474	-6,468	576,131	-3,00	98+0.000			576,325	575,815	0,510	6,468	576,131	-3,00	6,885	575,852
-7,395	575,252	-6,468	575,870	-3,00	99+0.000			576,064	575,515	0,549	6,468	575,870	-3,00	6,916	575,571
-7,002	575,253	-6,468	575,610	-3,00	100+0.000			575,804	575,316	0,488	6,468	575,610	-3,00	7,017	575,243
-6,957	575,023	-6,468	575,349	-3,00	101+0.000			575,543	575,146	0,397	6,468	575,349	-3,00	7,188	574,869
-7,395	574,470	-6,468	575,089	-3,00	102+0.000			575,283	574,933	0,350	6,468	575,089	-3,00	7,212	574,593
-7,338	574,248	-6,468	574,828	-3,00	103+0.000			575,022	574,607	0,415	6,468	574,828	-3,00	7,102	574,406
-7,015	574,203	-6,468	574,568	-3,00	104+0.000			574,762	574,146	0,616	6,468	574,568	-3,00	7,699	573,747
-7,184	573,830	-6,468	574,307	-3,00	105+0.000			574,501	573,943	0,558	6,468	574,307	-3,00	7,485	573,629
-7,162	573,584	-6,468	574,047	-3,00	106+0.000			574,241	573,768	0,473	6,468	574,047	-3,00	7,291	573,498
-7,101	573,364	-6,468	573,786	-3,00	107+0.000			573,980	573,518	0,462	6,468	573,786	-3,00	7,237	573,273
-6,970	573,191	-6,468	573,526	-3,00	108+0.000			573,720	573,223	0,497	6,468	573,526	-3,00	7,344	572,941
-6,950	572,944	-6,468	573,265	-3,00	109+0.000			573,459	572,927	0,532	6,468	573,265	-3,00	7,691	572,450
-7,281	572,462	-6,468	573,005	-3,00	110+0.000			573,199	572,646	0,553	6,468	573,005	-3,00	7,510	572,310
-7,249	572,223	-6,468	572,744	-3,00	111+0.000			572,938	572,360	0,578	6,468	572,744	-3,00	7,304	572,187
-7,106	572,058	-6,468	572,484	-3,00	112+0.000			572,678	572,057	0,621	6,468	572,484	-3,00	7,558	571,757
-7,779	571,349	-6,468	572,223	-3,00	113+0.000			572,417	571,726	0,691	6,468	572,223	-3,00	7,317	571,657
-8,149	570,842	-6,468	571,963	-3,00	114+0.000	PCV		572,157	571,477	0,680	6,468	571,963	-3,00	7,477	571,290

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



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Rodovia MT-388



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-7,909	570,744	-6,468	571,705	-3,00	115+0.000			571,899	571,234	0,665	6,468	571,705	-3,00	7,210
-7,749	570,599	-6,468	571,453	-3,00	116+0.000			571,647	570,991	0,656	6,468	571,453	-3,00	7,487
-7,792	570,324	-6,468	571,206	-3,00	117+0.000			571,400	570,537	0,863	6,468	571,206	-3,00	7,280
-7,764	570,101	-6,468	570,965	-3,00	118+0.000			571,160	570,587	0,573	6,468	570,965	-3,00	7,064
-7,976	569,725	-6,468	570,730	-3,00	119+0.000			570,924	570,306	0,618	6,468	570,730	-3,00	7,355
-7,472	569,830	-6,468	570,500	-3,00	120+0.000		PTV	570,694	570,124	0,570	6,468	570,500	-3,00	7,720
-7,047	569,887	-6,468	570,273	-3,00	121+0.000			570,467	569,761	0,706	6,468	570,273	-3,00	7,107
-6,792	569,830	-6,468	570,046	-3,00	122+0.000			570,240	569,915	0,325	6,468	570,046	-3,00	6,851
-6,773	569,616	-6,468	569,819	-3,00	123+0.000			570,013	569,793	0,220	6,468	569,819	-3,00	6,916
-6,513	569,637	-6,468	569,592	-3,00	124+0.000			569,786	569,507	0,279	6,468	569,592	-3,00	6,852
-6,632	569,293	-6,468	569,365	-3,00	125+0.000			569,559	569,312	0,247	6,468	569,365	-3,00	6,782
-6,751	568,949	-6,468	569,138	-3,00	126+0.000			569,332	568,989	0,343	6,468	569,138	-3,00	7,151
-6,797	568,691	-6,468	568,911	-3,00	127+0.000			569,105	568,432	0,673	6,468	568,911	-3,00	7,421
-7,311	568,122	-6,468	568,684	-3,00	128+0.000			568,878	568,371	0,507	6,468	568,684	-3,00	7,234
-8,591	567,041	-6,468	568,457	-3,00	129+0.000			568,651	568,210	0,441	6,468	568,457	-3,00	7,205
-7,267	567,696	-6,468	568,230	-3,00	130+0.000		PCV	568,424	567,687	0,737	6,468	568,230	-3,00	7,285
-7,259	567,471	-6,468	567,999	-3,00	131+0.000			568,193	567,051	1,142	6,468	567,999	-3,00	7,969
-7,383	567,150	-6,468	567,760	-3,00	132+0.000			567,954	567,418	0,536	6,468	567,760	-3,00	8,264
-7,050	567,125	-6,468	567,513	-3,00	133+0.000			567,707	567,167	0,540	6,468	567,513	-3,00	7,315
-7,140	566,810	-6,468	567,259	-3,00	134+0.000			567,453	566,900	0,553	6,468	567,259	-3,00	7,327
-7,421	566,361	-6,468	566,997	-3,00	135+0.000			567,191	566,694	0,497	6,468	566,997	-3,00	7,238
-7,427	566,088	-6,468	566,727	-3,00	136+0.000		PTV	566,921	566,444	0,477	6,468	566,727	-3,00	7,228
-7,054	566,062	-6,468	566,453	-3,00	137+0.000			566,647	566,165	0,482	6,468	566,453	-3,00	7,346
-7,242	565,663	-6,468	566,180	-3,00	138+0.000			566,374	565,853	0,521	6,468	566,180	-3,00	7,174
-7,369	565,305	-6,468	565,906	-3,00	139+0.000			566,100	565,479	0,621	6,468	565,906	-3,00	7,531
-7,155	565,174	-6,468	565,632	-3,00	140+0.000			565,826	565,032	0,794	6,468	565,632	-3,00	7,371
-7,588	564,611	-6,468	565,358	-3,00	141+0.000			565,552	564,760	0,792	6,468	565,358	-3,00	7,383
-7,636	564,305	-6,468	565,084	-3,00	142+0.000			565,278	564,536	0,742	6,468	565,084	-3,00	7,301

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem																
MT 388 0+0.000 635+0.000																
Lado Esquerdo						Eixo				Lado Direito						
Offset		Bordo				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-7,240	564,295	-6,468	564,811	-3,00	143+0.000			565,005	564,324	0,681	6,468	564,811	-3,00	7,814	563,913	
-7,551	563,814	-6,468	564,537	-3,00	144+0.000		PCV	564,731	564,156	0,575	6,468	564,537	-3,00	7,701	563,714	
-7,182	563,781	-6,468	564,257	-3,00	145+0.000			564,451	563,896	0,555	6,468	564,257	-3,00	7,278	563,717	
-7,094	563,549	-6,468	563,967	-3,00	146+0.000			564,161	563,568	0,593	6,468	563,967	-3,00	7,491	563,284	
-7,477	562,992	-6,468	563,665	-3,00	147+0.000			563,859	563,224	0,635	6,468	563,665	-3,00	7,034	563,287	
-6,864	563,088	-6,468	563,352	-3,00	148+0.000			563,547	562,960	0,587	6,468	563,352	-3,00	6,741	563,170	
-7,193	562,545	-6,468	563,029	-3,00	149+0.000			563,223	562,787	0,436	6,468	563,029	-3,00	6,806	562,803	
-6,866	562,428	-6,468	562,693	-3,00	150+0.000			562,887	562,452	0,435	6,468	562,693	-3,00	7,217	562,193	
-6,789	562,133	-6,468	562,347	-3,00	151+0.000			562,541	562,056	0,485	6,468	562,347	-3,00	6,927	562,041	
-6,876	561,718	-6,468	561,990	-3,00	152+0.000			562,184	561,637	0,547	6,468	561,990	-3,00	6,983	561,646	
-7,022	561,252	-6,468	561,621	-3,00	153+0.000			561,815	561,190	0,625	6,468	561,621	-3,00	7,074	561,217	
-6,974	560,904	-6,468	561,242	-3,00	154+0.000		PTV	561,436	560,751	0,685	6,468	561,242	-3,00	6,944	560,924	
-7,061	560,460	-6,468	560,856	-3,00	155+0.000			561,050	560,294	0,756	6,468	560,856	-3,00	6,865	560,591	
-7,120	560,036	-6,468	560,471	-3,00	156+0.000			560,665	559,915	0,750	6,468	560,471	-3,00	7,290	559,923	
-7,053	559,695	-6,468	560,086	-3,00	157+0.000			560,280	559,524	0,756	6,468	560,086	-3,00	7,422	559,450	
-7,039	559,320	-6,468	559,701	-3,00	158+0.000			559,895	559,143	0,752	6,468	559,701	-3,00	7,305	559,143	
-6,985	558,971	-6,468	559,315	-3,00	159+0.000			559,509	558,889	0,620	6,468	559,315	-3,00	6,626	559,209	
-6,500	558,962	-6,468	558,930	-3,00	160+0.000			559,124	558,906	0,218	6,468	558,930	-3,00	6,708	559,171	
-6,909	558,986	-6,468	558,545	-3,00	161+0.000			558,739	558,992	-0,253	6,468	558,545	-3,00	7,294	559,371	
-6,853	558,545	-6,468	558,160	-3,00	162+0.000			558,354	558,474	-0,120	6,468	558,160	-3,00	7,171	558,863	
-6,640	557,947	-6,468	557,774	-3,00	163+0.000			557,968	557,895	0,073	6,468	557,774	-3,00	6,838	558,145	
-6,487	557,376	-6,468	557,389	-3,00	164+0.000			557,583	557,324	0,259	6,468	557,389	-3,00	6,575	557,496	
-6,792	556,788	-6,468	557,004	-3,00	165+0.000			557,198	556,849	0,349	6,468	557,004	-3,00	6,491	557,028	
-7,008	556,258	-6,468	556,619	-3,00	166+0.000			556,813	556,149	0,664	6,468	556,619	-3,00	6,979	556,278	
-7,185	555,755	-6,468	556,233	-3,00	167+0.000			556,427	555,729	0,698	6,468	556,233	-3,00	7,067	555,834	
-7,102	555,425	-6,468	555,848	-3,00	168+0.000			556,042	555,354	0,688	6,468	555,848	-3,00	6,567	555,782	
-7,158	555,003	-6,468	555,463	-3,00	169+0.000			555,657	554,988	0,669	6,468	555,463	-3,00	6,488	555,484	
-7,175	554,606	-6,468	555,078	-3,00	170+0.000			555,272	554,610	0,662	6,468	555,078	-3,00	6,586	554,998	

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo								Eixo				Lado Direito			
Offset		Bordo		Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-6,951	554,370	-6,468	554,692	-3,00			554,886	554,207	0,679	6,468	554,692	-3,00	6,712	554,530	
-6,715	554,142	-6,468	554,307	-3,00		PCV	554,501	553,803	0,698	6,468	554,307	-3,00	6,559	554,247	
-6,730	553,739	-6,468	553,914	-3,00			554,108	553,437	0,671	6,468	553,914	-3,00	6,657	553,788	
-6,803	553,282	-6,468	553,505	-3,00			553,699	553,087	0,612	6,468	553,505	-3,00	6,557	553,595	
-6,585	553,198	-6,468	553,081	-3,00			553,275	552,903	0,372	6,468	553,081	-3,00	6,646	553,259	
-6,539	552,593	-6,468	552,641	-3,00			552,835	552,576	0,259	6,468	552,641	-3,00	6,811	552,984	
-6,981	552,699	-6,468	552,185	-3,00			552,379	552,560	-0,181	6,468	552,185	-3,00	7,208	552,926	
-6,626	551,873	-6,468	551,714	-3,00			551,908	551,835	0,073	6,468	551,714	-3,00	6,783	552,030	
-6,860	550,965	-6,468	551,227	-3,00			551,421	551,082	0,339	6,468	551,227	-3,00	6,537	551,296	
-6,579	550,651	-6,468	550,725	-3,00			550,919	550,339	0,580	6,468	550,725	-3,00	6,632	550,615	
-6,974	549,869	-6,468	550,206	-3,00			550,401	549,681	0,720	6,468	550,206	-3,00	6,629	550,099	
-6,892	549,389	-6,468	549,673	-3,00		PTV	549,867	549,170	0,697	6,468	549,673	-3,00	6,975	549,335	
-7,006	548,772	-6,468	549,131	-3,00			549,325	548,852	0,473	6,468	549,131	-3,00	6,912	548,835	
-7,119	548,155	-6,468	548,589	-3,00			548,783	548,551	0,232	6,468	548,589	-3,00	6,557	548,679	
-6,540	548,121	-6,468	548,048	-3,00			548,242	547,995	0,247	6,468	548,048	-3,00	6,752	547,858	
-6,752	547,316	-6,468	547,506	-3,00		PCV	547,700	547,354	0,346	6,468	547,506	-3,00	6,627	547,400	
-6,459	547,063	-6,452	547,055	-1,46			547,150	546,766	0,384	6,468	546,956	-3,00	6,641	546,840	
-6,549	546,791	-6,438	546,866	0,00	TS		546,866	546,579	0,287	6,468	546,672	-3,00	6,702	546,516	
-6,746	546,527	-6,523	546,676	1,44			546,582	546,407	0,175	6,567	546,385	-3,00	6,722	546,281	
-6,711	546,415	-6,610	546,482	2,89			546,291	546,194	0,097	6,667	546,091	-3,00	6,680	546,104	
-7,039	546,060	-6,698	546,287	4,34			545,996	545,959	0,037	6,781	545,702	-4,34	7,050	545,971	
-7,453	545,645	-6,786	546,090	5,79			545,697	545,702	-0,005	6,897	545,298	-5,79	7,278	545,678	
-7,458	545,641	-6,786	546,088	5,80	SC		545,695	545,700	-0,005	6,898	545,295	-5,80	7,279	545,675	
-7,196	545,514	-6,786	545,787	5,80			545,393	545,364	0,029	6,898	544,993	-5,80	7,227	545,322	
-7,073	545,288	-6,786	545,479	5,80			545,085	545,021	0,064	6,898	544,685	-5,80	7,183	544,969	
-7,290	544,830	-6,786	545,166	5,80			544,773	545,090	-0,317	6,898	544,373	-5,80	7,309	544,783	
-7,262	544,533	-6,786	544,850	5,80			544,456	544,783	-0,327	6,898	544,056	-5,80	7,741	544,899	
-7,154	544,284	-6,786	544,529	5,80		PTV	544,135	544,494	-0,359	6,898	543,735	-5,80	8,003	544,840	

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo								Eixo							
Offset				Bordo				Pontos Notáveis da Geometria Horizontal				Pontos Notáveis da Geometria Vertical			
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Estaca							
-6,933	544,107	-6,786	544,205	5,80	5,80	192+10,000									
-6,896	543,978	-6,786	544,051	5,80	5,80	192+14,753									
-6,857	543,835	-6,786	543,882	5,80	5,80	193+0,000						PCV			
-6,844	543,533	-6,786	543,571	5,80	5,80	193+10,000									
-7,051	543,110	-6,786	543,287	5,80	5,80	194+0,000									
-7,094	542,824	-6,786	543,029	5,80	5,80	194+10,000									
-7,161	542,547	-6,786	542,796	5,80	5,80	195+0,000									
-7,310	542,241	-6,786	542,590	5,80	5,80	195+10,000									
-7,684	541,820	-6,786	542,419	5,80	5,80	195+19,432	CS								
-7,692	541,796	-6,781	542,403	5,72	5,72	196+0,000									
-7,709	541,469	-6,693	542,146	4,27	4,27	196+10,000									
-7,782	541,134	-6,606	541,918	2,82	2,82	197+0,000						PTV			
-8,002	540,717	-6,519	541,705	1,37	1,37	197+10,000									
-8,193	540,337	-6,437	541,507	0,00	0,00	197+19,432	ST								
-8,210	540,314	-6,438	541,495	-0,08	-0,08	198+0,000						PCV			
-8,630	539,706	-6,467	541,148	-2,98	-2,98	199+0,000									
-8,630	539,679	-6,467	541,121	-2,98	-2,98	199+13,229									
-9,781	538,922	-6,468	541,131	-3,00	-3,00	200+0,000									
-9,000	539,570	-6,468	541,258	-3,00	-3,00	201+0,000									
-8,649	540,075	-6,468	541,529	-3,00	-3,00	202+0,000									
-7,972	540,940	-6,468	541,943	-3,00	-3,00	203+0,000									
-7,135	542,189	-6,444	542,649	-0,71	-0,71	204+0,000									
-6,965	542,464	-6,437	542,816	0,00	0,00	204+3,756	TS								
-6,733	542,921	-6,458	543,105	1,19	1,19	204+10,000									
-6,538	543,645	-6,490	543,597	3,09	3,09	205+0,000									
-6,839	544,442	-6,524	544,127	4,99	4,99	205+10,000									
-7,146	545,280	-6,559	544,693	6,89	6,89	206+0,000						PTV			
-7,252	545,593	-6,572	544,913	7,60	7,60	206+3,756	SC								

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Projeto	Cota Terreno		Bordo	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Offset
-7,508	546,135	-6,572	545,199	7,60	206+10,000					544,700	545,904	-1,204	6,720	544,189 -7,60 8,046 545,516
-7,550	546,635	-6,572	545,658	7,60	207+0,000					545,158	546,517	-1,359	6,720	544,648 -7,60 8,321 546,249
-7,571	547,115	-6,572	546,116	7,60	207+10,000					545,617	547,151	-1,534	6,720	545,106 -7,60 8,617 547,003
-7,755	547,757	-6,572	546,574	7,60	208+0,000					546,075	547,743	-1,668	6,720	545,564 -7,60 8,887 547,732
-8,073	548,534	-6,572	547,033	7,60	208+10,000					546,533	548,326	-1,793	6,720	546,023 -7,60 9,122 548,425
-8,197	548,839	-6,572	547,215	7,60	208+13,976					546,716	548,559	-1,843	6,720	546,205 -7,60 9,218 548,703
-8,253	549,172	-6,572	547,491	7,60	209+0,000					546,992	548,907	-1,915	6,720	546,481 -7,60 9,310 549,072
-8,148	549,525	-6,572	547,949	7,60	209+10,000					547,450	549,478	-2,028	6,720	546,939 -7,60 9,348 549,568
-8,086	549,922	-6,572	548,408	7,60	210+0,000					547,908	550,051	-2,143	6,720	547,398 -7,60 9,282 549,960
-8,408	550,702	-6,572	548,866	7,60	210+10,000					548,367	550,482	-2,115	6,720	547,856 -7,60 9,308 550,444
-8,716	551,468	-6,572	549,324	7,60	211+0,000					548,825	550,907	-2,082	6,720	548,314 -7,60 9,467 551,062
-8,827	551,772	-6,572	549,517	7,60	211+4,195	CS				549,017	551,134	-2,117	6,720	548,507 -7,60 9,570 551,357
-9,073	552,230	-6,552	549,709	6,50	211+10,000					549,283	551,466	-2,183	6,677	548,849 -6,50 9,640 551,812
-9,493	553,016	-6,517	550,041	4,60	212+0,000					549,742	552,042	-2,300	6,606	549,438 -4,60 9,770 552,602
-9,709	553,600	-6,484	550,375	2,70	212+10,000					550,200	552,635	-2,435	6,539	550,004 -3,00 9,907 553,372
-9,433	553,692	-6,451	550,710	0,80	213+0,000					550,658	553,263	-2,605	6,489	550,464 -3,00 9,884 553,860
-9,336	553,749	-6,437	550,851	0,00	213+4,195	ST				550,851	553,527	-2,676	6,468	550,657 -3,00 9,915 554,104
-10,051	554,965	-6,468	551,381	-3,00	214+0,000					551,575	554,453	-2,878	6,468	551,381 -3,00 9,693 554,606
-10,180	556,011	-6,468	552,298	-3,00	215+0,000					552,492	555,517	-3,025	6,468	552,298 -3,00 9,706 555,536
-9,658	556,582	-6,444	553,368	-0,63	216+0,000			PCV		553,408	556,343	-2,935	6,468	553,214 -3,00 9,857 556,604
-9,455	556,643	-6,437	553,625	0,00	216+4,750	TS				553,625	556,554	-2,929	6,468	553,431 -3,00 9,792 556,755
-9,289	556,712	-6,483	553,907	0,70	216+10,000					553,862	556,778	-2,916	6,520	553,666 -3,00 9,775 556,921
-8,977	556,843	-6,571	554,437	2,02	217+0,000					554,305	557,205	-2,900	6,620	554,106 -3,00 9,748 557,234
-8,930	557,231	-6,660	554,960	3,35	217+10,000					554,738	557,343	-2,605	6,724	554,513 -3,35 9,499 557,288
-8,889	557,616	-6,748	555,475	4,67	218+0,000					555,160	557,441	-2,281	6,838	554,841 -4,67 9,139 557,142
-8,867	557,794	-6,791	555,717	5,30	218+4,750	SC				555,357	557,481	-2,124	6,893	554,992 -5,30 8,972 557,072
-8,851	557,993	-6,791	555,933	5,30	218+10,000					555,573	557,566	-1,993	6,893	555,207 -5,30 8,898 557,212
-8,626	558,170	-6,791	556,335	5,30	219+0,000					555,975	557,821	-1,846	6,893	555,610 -5,30 8,923 557,640

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem																
MT 388 0+0.000 635+0.000																
Lado Esquerdo						Eixo						Lado Direito				
Offset		Bordo				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-8,382	558,318	-6,791	556,727	5,30	219+10.000				556,367	558,085	-1,718	6,893	556,002	-5,30	8,960	558,070
-8,255	558,574	-6,791	557,109	5,30	220+0.000				556,749	558,322	-1,573	6,893	556,384	-5,30	8,796	558,287
-8,123	558,814	-6,791	557,481	5,30	220+10.000				557,121	558,535	-1,414	6,893	556,756	-5,30	8,616	558,479
-8,065	558,899	-6,791	557,624	5,30	220+13.932				557,264	558,626	-1,362	6,893	556,899	-5,30	8,558	558,565
-7,994	559,046	-6,791	557,843	5,30	221+0.000				557,483	558,800	-1,317	6,893	557,117	-5,30	8,503	558,728
-7,926	559,329	-6,791	558,194	5,30	221+10.000				557,834	559,054	-1,220	6,893	557,469	-5,30	8,422	558,998
-7,864	559,609	-6,791	558,535	5,30	222+0.000				558,175	559,310	-1,135	6,893	557,810	-5,30	8,353	559,270
-7,785	559,860	-6,791	558,866	5,30	222+10.000				558,506	559,569	-1,063	6,893	558,141	-5,30	8,296	559,545
-7,660	560,056	-6,791	559,187	5,30	223+0.000				558,827	559,796	-0,969	6,893	558,462	-5,30	8,141	559,710
-7,610	560,105	-6,791	559,285	5,30	223+3.114	CS			558,925	559,863	-0,938	6,893	558,560	-5,30	8,101	559,769
-7,544	560,248	-6,729	559,433	4,39	223+10.000				559,138	560,011	-0,873	6,814	558,839	-4,39	7,912	559,938
-7,528	560,529	-6,641	559,642	3,06	224+0.000			PTV	559,439	560,236	-0,797	6,699	559,233	-3,06	7,665	560,199
-7,580	560,876	-6,552	559,848	1,74	224+10.000				559,734	560,478	-0,744	6,599	559,536	-3,00	7,506	560,443
-7,625	561,217	-6,465	560,056	0,41	225+0.000				560,030	560,719	-0,689	6,499	559,835	-3,00	7,365	560,701
-7,589	561,273	-6,438	560,122	0,00	225+3.114	ST			560,122	560,792	-0,670	6,468	559,928	-3,00	7,265	560,725
-7,273	561,290	-6,460	560,476	-2,24	226+0.000			PCV	560,620	561,174	-0,554	6,468	560,426	-3,00	6,934	560,893
-7,438	561,968	-6,468	560,997	-3,00	227+0.000				561,191	561,556	-0,365	6,468	560,997	-3,00	6,845	561,375
-7,191	562,252	-6,468	561,529	-3,00	228+0.000				561,723	562,011	-0,288	6,468	561,529	-3,00	6,870	561,931
-7,095	562,647	-6,468	562,020	-3,00	229+0.000				562,214	562,599	-0,385	6,468	562,020	-3,00	6,988	562,540
-7,416	563,419	-6,468	562,471	-3,00	230+0.000				562,665	563,325	-0,660	6,468	562,471	-3,00	7,210	563,214
-7,037	563,492	-6,462	562,917	-2,47	231+0.000				563,077	563,448	-0,371	6,468	562,883	-3,00	6,855	563,270
-6,506	563,382	-6,438	563,313	0,00	231+12.484	TS			563,313	563,200	0,113	6,468	563,119	-3,00	6,707	562,960
-6,898	563,266	-6,480	563,545	1,48	232+0.000				563,448	563,013	0,435	6,524	563,253	-3,00	6,973	562,953
-7,522	563,189	-6,537	563,845	3,46	232+10.000				563,619	562,878	0,741	6,604	563,391	-3,46	7,185	563,003
-7,917	563,258	-6,596	564,139	5,43	233+0.000				563,780	563,040	0,740	6,700	563,416	-5,43	7,004	563,214
-8,314	563,318	-6,655	564,424	7,41	233+10.000				563,931	563,192	0,739	6,799	563,427	-7,41	7,085	563,237
-8,403	563,339	-6,670	564,494	7,90	233+12.484	SC			563,967	563,227	0,740	6,823	563,428	-7,90	7,110	563,237
-8,308	563,507	-6,670	564,599	7,90	234+0.000				564,072	563,338	0,734	6,823	563,533	-7,90	7,171	563,301

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-8,228	563,691	-6,670	564,730	7,90	234+10,000			564,203	563,473	0,730	6,823	563,664	-7,90	7,247
-8,147	563,866	-6,670	564,851	7,90	235+0,000			564,324	563,741	0,583	6,823	563,785	-7,90	7,205
-8,064	564,033	-6,670	564,962	7,90	235+10,000		PTV	564,435	563,909	0,526	6,823	563,896	-7,90	6,845
-8,082	564,122	-6,670	565,063	7,90	236+0,000			564,536	564,060	0,476	6,823	563,997	-7,90	7,028
-8,113	564,197	-6,670	565,160	7,90	236+10,000			564,633	564,136	0,497	6,823	564,094	-7,90	7,136
-8,392	564,108	-6,670	565,256	7,90	237+0,000			564,729	564,269	0,460	6,823	564,190	-7,90	7,141
-8,549	564,099	-6,670	565,352	7,90	237+10,000			564,825	564,317	0,508	6,823	564,286	-7,90	7,602
-8,542	564,200	-6,670	565,448	7,90	238+0,000			564,921	564,284	0,637	6,823	564,382	-7,90	7,490
-8,529	564,305	-6,670	565,544	7,90	238+10,000			565,017	564,272	0,745	6,823	564,478	-7,90	7,422
-8,125	564,670	-6,670	565,640	7,90	239+0,000			565,113	564,536	0,577	6,823	564,574	-7,90	7,287
-7,769	565,004	-6,670	565,736	7,90	239+10,000			565,210	564,822	0,388	6,823	564,670	-7,90	7,442
-7,933	564,991	-6,670	565,833	7,90	240+0,000			565,306	564,826	0,480	6,823	564,767	-7,90	7,605
-8,166	564,913	-6,670	565,910	7,90	240+8,090			565,383	564,862	0,521	6,823	564,844	-7,90	7,683
-8,222	564,894	-6,670	565,929	7,90	240+10,000			565,402	564,870	0,532	6,823	564,863	-7,90	7,610
-8,376	564,887	-6,670	566,025	7,90	241+0,000			565,498	564,949	0,549	6,823	564,959	-7,90	7,366
-8,419	564,955	-6,670	566,121	7,90	241+10,000			565,594	564,991	0,603	6,823	565,055	-7,90	7,300
-8,412	565,056	-6,670	566,217	7,90	242+0,000		PCV	565,690	565,088	0,602	6,823	565,151	-7,90	7,503
-8,423	565,144	-6,670	566,312	7,90	242+10,000			565,785	565,218	0,567	6,823	565,246	-7,90	7,500
-8,448	565,220	-6,670	566,405	7,90	243+0,000			565,878	565,293	0,585	6,823	565,339	-7,90	7,377
-8,507	565,271	-6,670	566,496	7,90	243+10,000			565,969	565,351	0,618	6,823	565,430	-7,90	7,335
-8,570	565,318	-6,670	566,585	7,90	244+0,000			566,058	565,470	0,588	6,823	565,519	-7,90	7,311
-8,523	565,436	-6,670	566,671	7,90	244+10,000			566,144	565,615	0,529	6,823	565,605	-7,90	7,317
-8,415	565,592	-6,670	566,756	7,90	245+0,000			566,229	565,744	0,485	6,823	565,690	-7,90	7,378
-8,266	565,774	-6,670	566,838	7,90	245+10,000			566,311	565,780	0,531	6,823	565,772	-7,90	7,451
-7,984	566,042	-6,670	566,918	7,90	246+0,000			566,391	565,949	0,442	6,823	565,852	-7,90	7,553
-7,784	566,254	-6,670	566,996	7,90	246+10,000			566,469	566,349	0,120	6,823	565,930	-7,90	7,663
-7,744	566,356	-6,670	567,072	7,90	247+0,000			566,545	566,380	0,165	6,823	566,006	-7,90	7,659
-7,812	566,338	-6,670	567,100	7,90	247+3,697	CS		566,573	566,353	0,220	6,823	566,034	-7,90	7,662

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7,693	566,353	-6,632	567,060	6.66			566,619	566,301	0,318	6,761	566,169	-6.66	7,620	565,596
-7,512	566,373	-6,573	566,998	4.68			566,691	566,205	0,486	6,663	566,379	-4.68	7,288	565,962
-7,354	566,377	-6,515	566,936	2.71			566,760	566,245	0,515	6,570	566,563	-3.00	6,932	566,322
-7,161	566,406	-6,458	566,875	0.73			566,827	566,417	0,410	6,495	566,633	-3.00	6,672	566,515
-7,072	566,429	-6,437	566,852	0.00	ST		566,852	566,457	0,395	6,468	566,658	-3.00	6,641	566,542
-6,834	566,517	-6,468	566,762	-3.00			566,956	566,492	0,464	6,468	566,762	-3.00	6,910	566,467
-7,113	566,452	-6,468	566,882	-3.00			567,076	566,346	0,730	6,468	566,882	-3.00	7,977	565,875
-7,127	566,553	-6,468	566,993	-3.00		PTV	567,187	566,411	0,776	6,468	566,993	-3.00	7,883	566,050
-7,078	566,693	-6,468	567,100	-3.00			567,294	566,563	0,731	6,468	567,100	-3.00	7,488	566,420
-6,998	566,853	-6,468	567,207	-3.00			567,401	566,722	0,679	6,468	567,207	-3.00	7,073	566,803
-6,788	567,101	-6,468	567,314	-3.00			567,508	566,951	0,557	6,468	567,314	-3.00	6,885	567,035
-6,599	567,334	-6,468	567,421	-3.00			567,615	567,307	0,308	6,468	567,421	-3.00	6,819	567,187
-6,485	567,546	-6,468	567,528	-3.00			567,722	567,532	0,190	6,468	567,528	-3.00	6,546	567,606
-6,515	567,683	-6,468	567,635	-3.00			567,829	567,755	0,074	6,468	567,635	-3.00	6,488	567,555
-6,629	567,904	-6,468	567,742	-3.00			567,936	567,978	-0,042	6,468	567,742	-3.00	6,550	567,824
-6,574	567,956	-6,468	567,849	-3.00			568,043	567,970	0,073	6,460	567,899	-2.24	6,668	567,760
-6,503	567,895	-6,468	567,919	-3.00	TS		568,113	567,939	0,174	6,437	568,113	0.00	7,077	567,686
-6,698	567,847	-6,538	567,954	-3.00			568,150	567,911	0,239	6,497	568,229	1.21	7,369	567,648
-6,910	567,823	-6,638	568,005	-3.00			568,204	567,874	0,330	6,581	568,397	2.94	7,675	567,668
-7,040	567,753	-6,756	567,942	-4.66		PCV	568,257	567,850	0,407	6,666	568,568	4.66	8,017	567,668
-7,110	567,716	-6,876	567,873	-6.39			568,312	567,710	0,602	6,752	568,743	6.39	8,420	567,631
-7,114	567,716	-6,911	567,852	-6.90	SC		568,328	567,721	0,607	6,778	568,796	6.90	8,565	567,604
-7,097	567,767	-6,911	567,892	-6.90			568,369	567,750	0,619	6,778	568,836	6.90	8,639	567,595
-7,080	567,838	-6,911	567,950	-6.90			568,427	567,852	0,575	6,778	568,895	6.90	8,622	567,665
-7,250	567,785	-6,911	568,011	-6.90			568,488	567,948	0,540	6,778	568,956	6.90	8,655	567,704
-7,466	567,704	-6,911	568,074	-6.90			568,551	568,085	0,466	6,778	569,019	6.90	8,692	567,742
-7,408	567,787	-6,911	568,118	-6.90			568,595	568,219	0,376	6,778	569,062	6.90	8,574	567,865
-7,264	567,904	-6,911	568,139	-6.90			568,616	568,290	0,326	6,778	569,084	6.90	8,450	567,969

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Projeto	Cota Terreno		Bordo	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Offset
-6,948	568,244	-6,911	568,206	-6,90	265+10,000					568,683	568,499	0,184	6,778	568,336
-7,114	568,479	-6,911	568,276	-6,90	266+0,000					568,753	568,820	-0,067	6,778	568,871
-7,231	568,667	-6,911	568,347	-6,90	266+10,000					568,824	569,069	-0,245	6,778	568,577
-7,065	568,575	-6,911	568,420	-6,90	267+0,000					568,897	568,908	-0,011	6,778	568,208
-7,043	568,556	-6,911	568,424	-6,90	267+0,469		CS			568,901	568,890	0,011	6,778	568,212
-7,881	567,893	-6,797	568,616	-5,26	267+10,000					568,973	568,590	0,383	6,696	568,326
-8,631	567,512	-6,678	568,815	-3,53	268+0,000					569,050	568,278	0,772	6,610	568,180
-8,473	567,666	-6,572	568,933	-3,00	268+10,000					569,130	567,883	1,247	6,525	568,006
-8,336	567,775	-6,472	569,018	-3,00	269+0,000					569,212	567,839	1,373	6,441	567,884
-8,328	567,781	-6,468	569,022	-3,00	269+0,469		ST			569,216	567,845	1,371	6,438	567,878
-8,292	567,972	-6,468	569,188	-3,00	270+0,000					569,382	567,937	1,445	6,468	567,880
-8,408	568,073	-6,468	569,366	-3,00	271+0,000					569,560	568,094	1,466	6,468	567,986
-8,582	568,143	-6,468	569,553	-3,00	272+0,000			PTV		569,747	568,051	1,696	6,468	568,192
-8,535	568,365	-6,468	569,744	-3,00	273+0,000					569,938	568,312	1,626	6,468	568,275
-8,526	568,562	-6,468	569,935	-3,00	274+0,000					570,129	568,526	1,603	6,468	568,660
-8,586	568,713	-6,468	570,126	-3,00	275+0,000					570,320	568,711	1,609	6,468	568,718
-8,773	568,780	-6,468	570,316	-3,00	276+0,000					570,511	568,839	1,672	6,468	568,755
-8,549	569,120	-6,468	570,507	-3,00	277+0,000					570,701	569,117	1,584	6,468	569,027
-8,554	569,307	-6,468	570,698	-3,00	278+0,000					570,892	569,313	1,579	6,468	569,451
-8,408	569,595	-6,468	570,889	-3,00	279+0,000					571,083	569,701	1,382	6,468	569,745
-8,176	569,941	-6,468	571,080	-3,00	280+0,000			PCV		571,274	569,863	1,411	6,468	570,037
-8,088	570,190	-6,468	571,271	-3,00	281+0,000					571,465	570,076	1,389	6,468	570,186
-8,075	570,389	-6,468	571,461	-3,00	282+0,000					571,655	570,434	1,221	6,468	570,400
-7,823	570,746	-6,468	571,650	-3,00	283+0,000					571,844	570,869	0,975	6,468	570,836
-7,544	571,121	-6,468	571,839	-3,00	284+0,000					572,033	571,467	0,566	6,468	571,319
-6,900	572,459	-6,468	572,027	-3,00	285+0,000					572,221	572,017	0,204	6,468	571,910
-6,571	572,317	-6,468	572,214	-3,00	286+0,000					572,408	572,094	0,314	6,468	572,139
-7,295	571,849	-6,468	572,401	-3,00	287+0,000					572,595	572,002	0,593	6,468	571,961

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	
-7,489	571,905	-6,468	572,587	-3,00			572,781	572,107	0,674	6,468	572,587	-3,00	7,264	572,056
-7,325	572,201	-6,468	572,772	-3,00			572,966	572,366	0,600	6,468	572,772	-3,00	7,054	572,381
-7,159	572,496	-6,468	572,957	-3,00		PTV	573,151	572,792	0,359	6,468	572,957	-3,00	7,107	572,531
-6,846	572,889	-6,468	573,142	-3,00			573,336	572,967	0,369	6,468	573,142	-3,00	6,966	572,809
-6,819	573,092	-6,468	573,326	-3,00			573,520	573,202	0,318	6,468	573,326	-3,00	7,110	572,898
-6,826	573,271	-6,468	573,511	-3,00			573,705	573,395	0,310	6,468	573,511	-3,00	6,927	573,204
-6,722	573,526	-6,468	573,695	-3,00			573,889	573,649	0,240	6,468	573,695	-3,00	6,851	573,440
-6,712	573,717	-6,468	573,880	-3,00			574,074	573,735	0,339	6,468	573,880	-3,00	6,875	573,609
-6,784	573,853	-6,468	574,064	-3,00			574,258	573,937	0,321	6,468	574,064	-3,00	6,898	573,778
-6,815	574,017	-6,468	574,249	-3,00			574,443	574,119	0,324	6,468	574,249	-3,00	6,966	573,916
-6,809	574,205	-6,468	574,433	-3,00			574,627	574,326	0,301	6,468	574,433	-3,00	7,096	574,014
-6,877	574,345	-6,468	574,618	-3,00		PCV	574,812	574,318	0,494	6,468	574,618	-3,00	7,004	574,261
-6,780	574,589	-6,468	574,797	-3,00			574,991	574,549	0,442	6,468	574,797	-3,00	6,988	574,451
-6,957	574,641	-6,468	574,967	-3,00			575,161	574,717	0,444	6,468	574,967	-3,00	7,141	574,518
-6,610	575,032	-6,468	575,127	-3,00			575,321	575,137	0,184	6,468	575,127	-3,00	6,784	574,916
-6,743	575,553	-6,468	575,278	-3,00			575,472	575,591	-0,119	6,468	575,278	-3,00	6,724	575,534
-6,590	575,540	-6,468	575,418	-3,00			575,612	575,728	-0,116	6,468	575,418	-3,00	6,975	575,926
-6,833	575,305	-6,468	575,549	-3,00			575,743	575,257	0,486	6,468	575,549	-3,00	7,141	575,100
-7,165	575,204	-6,468	575,670	-3,00			575,864	575,186	0,678	6,468	575,670	-3,00	7,356	575,078
-7,234	575,270	-6,468	575,781	-3,00			575,975	575,306	0,669	6,468	575,781	-3,00	7,383	575,170
-7,251	575,360	-6,468	575,882	-3,00			576,076	575,415	0,661	6,468	575,882	-3,00	7,406	575,256
-7,195	575,489	-6,468	575,973	-3,00		PTV	576,167	575,524	0,643	6,468	575,973	-3,00	7,383	575,363
-7,259	575,532	-6,468	576,060	-3,00			576,254	575,632	0,622	6,468	576,060	-3,00	7,356	575,468
-7,229	575,639	-6,468	576,147	-3,00			576,341	575,686	0,655	6,468	576,147	-3,00	7,406	575,521
-7,244	575,716	-6,468	576,233	-3,00			576,427	575,798	0,629	6,468	576,233	-3,00	7,181	575,757
-7,284	575,775	-6,468	576,320	-3,00			576,514	575,779	0,735	6,468	576,320	-3,00	7,515	575,622
-7,362	575,810	-6,468	576,406	-3,00			576,601	575,810	0,791	6,468	576,406	-3,00	7,744	575,556
-7,457	575,833	-6,468	576,493	-3,00			576,687	575,869	0,818	6,468	576,493	-3,00	7,135	576,048

Projeto Executivo de Engenharia para Implantação e Pavimentação da

Rodovia MT-388

Serviços de Terraplenagem



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		Incl. (%)
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	
-7,540	575,865	-6,468	576,580	-3,00		PCV	576,774	575,754	1,020	6,468	576,580	-3,00	7,818	575,679
-7,498	575,981	-6,468	576,668	-3,00			576,862	575,842	1,020	6,468	576,668	-3,00	7,680	575,859
-7,483	576,081	-6,468	576,758	-3,00			576,952	576,172	0,780	6,468	576,758	-3,00	7,645	575,973
-6,994	576,499	-6,468	576,851	-3,00			577,045	576,562	0,483	6,468	576,851	-3,00	7,365	576,252
-6,858	576,685	-6,468	576,946	-3,00			577,140	576,624	0,516	6,468	576,946	-3,00	7,192	576,463
-7,347	576,457	-6,468	577,043	-3,00			577,237	576,632	0,605	6,468	577,043	-3,00	6,945	576,725
-7,658	576,350	-6,468	577,143	-3,00			577,337	576,475	0,862	6,468	577,143	-3,00	7,628	576,370
-7,556	576,520	-6,468	577,246	-3,00			577,440	576,534	0,906	6,468	577,246	-3,00	7,554	576,522
-7,597	576,598	-6,468	577,351	-3,00			577,545	576,734	0,811	6,468	577,351	-3,00	7,109	576,924
-7,572	576,722	-6,468	577,458	-3,00			577,653	576,766	0,887	6,468	577,458	-3,00	7,452	576,802
-7,492	576,885	-6,468	577,568	-3,00		PTV	577,762	576,912	0,850	6,468	577,568	-3,00	7,206	577,076
-7,432	577,037	-6,468	577,680	-3,00		PCV	577,874	577,131	0,743	6,468	577,680	-3,00	7,415	577,048
-7,277	577,274	-6,468	577,814	-3,00			578,008	577,363	0,645	6,468	577,814	-3,00	7,145	577,362
-7,262	577,464	-6,468	577,994	-3,00			578,188	577,586	0,602	6,468	577,994	-3,00	7,065	577,596
-7,302	577,665	-6,468	578,221	-3,00			578,415	577,763	0,652	6,468	578,221	-3,00	7,179	577,747
-7,369	577,893	-6,468	578,493	-3,00		PTV	578,687	577,969	0,718	6,468	578,493	-3,00	7,246	577,975
-7,418	578,156	-6,468	578,789	-3,00			578,983	578,307	0,676	6,468	578,789	-3,00	7,264	578,258
-7,394	578,468	-6,468	579,085	-3,00		PCV	579,279	578,606	0,673	6,468	579,085	-3,00	7,344	578,500
-7,420	578,740	-6,468	579,375	-3,00			579,569	578,923	0,646	6,468	579,375	-3,00	7,127	578,935
-7,339	579,071	-6,468	579,652	-3,00			579,846	579,263	0,583	6,468	579,652	-3,00	7,141	579,203
-7,013	579,554	-6,468	579,917	-3,00			580,111	579,797	0,314	6,468	579,917	-3,00	6,898	579,630
-6,538	580,241	-6,468	580,170	-3,00			580,364	580,420	-0,056	6,468	580,170	-3,00	6,504	580,146
-6,580	580,523	-6,468	580,411	-3,00			580,605	580,613	-0,008	6,468	580,411	-3,00	6,665	580,279
-6,673	580,502	-6,468	580,639	-3,00			580,833	580,512	0,321	6,468	580,639	-3,00	6,976	580,300
-7,007	580,471	-6,468	580,830	-3,00	TS		581,024	580,511	0,513	6,438	581,024	0,00	7,481	580,328
-7,023	580,500	-6,491	580,854	-3,00			581,049	580,551	0,498	6,457	581,080	0,47	7,533	580,362
-7,167	580,571	-6,591	580,955	-3,00			581,152	580,720	0,432	6,538	581,314	2,47	7,762	580,498
-7,228	580,606	-6,707	580,953	-4,47		PTV	581,253	580,861	0,392	6,621	581,549	4,47	7,942	580,668
Volume 3C - Cálculo dos Volumes e Notas de														
Projeto Executivo de Engenharia para Implantação e Pavimentação da														
Rodovia MT-388														

Serviços de Terraplenagem

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Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-7,162	580,688	-6,830	580,910	-6,47	341+10,000			581,352	580,966	0,386	6,705	581,786	6,47	8,263
-7,142	580,728	-6,924	580,873	-8,00	341+17,639	SC		581,427	581,031	0,396	6,769	581,969	8,00	8,583
-7,133	580,757	-6,924	580,897	-8,00	342+0,000			581,450	581,048	0,402	6,769	581,992	8,00	8,535
-7,090	580,885	-6,924	580,995	-8,00	342+10,000			581,549	581,106	0,443	6,769	582,091	8,00	8,413
-7,001	581,043	-6,924	581,094	-8,00	343+0,000			581,648	581,127	0,521	6,769	582,190	8,00	8,343
-6,935	581,186	-6,924	581,193	-8,00	343+10,000			581,747	581,212	0,535	6,769	582,288	8,00	8,147
-6,972	581,339	-6,924	581,292	-8,00	344+0,000			581,846	581,316	0,530	6,769	582,387	8,00	8,029
-7,046	581,512	-6,924	581,391	-8,00	344+10,000			581,945	581,454	0,491	6,769	582,486	8,00	7,991
-7,104	581,669	-6,924	581,489	-8,00	345+0,000			582,043	581,733	0,310	6,769	582,585	8,00	7,945
-7,148	581,811	-6,924	581,588	-8,00	345+10,000			582,142	581,998	0,144	6,769	582,684	8,00	7,923
-7,191	581,954	-6,924	581,687	-8,00	346+0,000			582,241	582,362	-0,121	6,769	582,783	8,00	8,196
-7,184	581,972	-6,924	581,713	-8,00	346+2,591			582,267	582,417	-0,150	6,769	582,808	8,00	8,235
-7,131	581,992	-6,924	581,786	-8,00	346+10,000			582,340	582,417	-0,077	6,769	582,881	8,00	8,183
-7,262	582,222	-6,924	581,885	-8,00	347+0,000			582,439	582,417	0,022	6,769	582,980	8,00	8,142
-7,231	582,290	-6,924	581,983	-8,00	347+10,000			582,537	582,529	0,008	6,769	583,079	8,00	8,047
-7,314	582,472	-6,924	582,082	-8,00	348+0,000			582,636	582,391	0,245	6,769	583,178	8,00	8,085
-7,281	582,537	-6,924	582,181	-8,00	348+10,000			582,735	582,417	0,318	6,769	583,277	8,00	8,112
-7,366	582,722	-6,924	582,280	-8,00	349+0,000			582,834	582,417	0,417	6,769	583,375	8,00	8,090
-7,518	582,972	-6,924	582,379	-8,00	349+10,000			582,933	582,667	0,266	6,769	583,474	8,00	7,884
-7,419	582,972	-6,924	582,478	-8,00	350+0,000			583,031	582,717	0,314	6,769	583,573	8,00	7,834
-7,458	583,086	-6,924	582,552	-8,00	350+7,543	CS		583,106	582,870	0,236	6,769	583,648	8,00	7,691
-7,428	583,146	-6,894	582,613	-7,51	350+10,000			583,130	582,917	0,213	6,748	583,637	7,51	7,588
-7,237	583,322	-6,770	582,856	-5,51	351+0,000			583,229	582,917	0,312	6,664	583,596	5,51	7,217
-6,952	583,398	-6,648	583,095	-3,51	351+10,000		PCV	583,328	583,030	0,298	6,581	583,559	3,51	6,786
-6,630	583,318	-6,543	583,230	-3,00	352+0,000		PCV	583,427	583,167	0,260	6,499	583,525	1,51	6,660
-6,578	583,417	-6,468	583,307	-3,00	352+7,543	ST		583,501	583,167	0,334	6,438	583,501	0,00	6,563
-6,484	583,417	-6,468	583,428	-3,00	353+0,000			583,622	583,167	0,455	6,462	583,461	-2,49	6,668
-6,651	583,496	-6,468	583,618	-3,00	354+0,000			583,812	583,417	0,395	6,468	583,618	-3,00	6,589

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da

Serviços de Terraplenagem

Rodovia MT-388





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-6,581	583,917	-6,468	583,803	-3,00	355+0.000			583,997	583,662	0,335	6,468	583,803	-3,00	583,928
-6,567	583,917	-6,468	583,983	-3,00	356+0.000			584,177	583,667	0,510	6,468	583,983	-3,00	583,931
-6,476	584,167	-6,468	584,159	-3,00	357+0.000			584,353	583,841	0,512	6,468	584,159	-3,00	584,107
-6,710	584,167	-6,468	584,329	-3,00	358+0.000			584,523	583,917	0,606	6,468	584,329	-3,00	584,178
-6,958	584,167	-6,468	584,494	-3,00	359+0.000			584,688	584,167	0,521	6,468	584,494	-3,00	584,214
-7,198	584,167	-6,468	584,654	-3,00	360+0.000			584,848	584,417	0,431	6,468	584,654	-3,00	584,417
-6,681	584,667	-6,468	584,809	-3,00	361+0.000		PTV	585,004	584,667	0,337	6,468	584,809	-3,00	584,417
-6,907	584,667	-6,468	584,960	-3,00	362+0.000		PTV	585,154	584,667	0,487	6,468	584,960	-3,00	584,167
-7,503	584,417	-6,468	585,108	-3,00	363+0.000			585,302	584,433	0,869	6,468	585,108	-3,00	7878
-7,594	584,504	-6,468	585,255	-3,00	364+0.000			585,449	584,417	1,032	6,468	585,255	-3,00	7,308
-7,572	584,667	-6,468	585,403	-3,00	365+0.000			585,597	584,667	0,930	6,468	585,403	-3,00	7,453
-7,418	584,917	-6,468	585,551	-3,00	366+0.000			585,745	584,773	0,972	6,468	585,551	-3,00	7,418
-7,300	585,144	-6,468	585,699	-3,00	367+0.000			585,893	585,167	0,726	6,468	585,699	-3,00	6,958
-7,067	585,447	-6,468	585,846	-3,00	368+0.000			586,041	585,506	0,535	6,468	585,846	-3,00	6,737
-6,958	585,667	-6,468	585,994	-3,00	369+0.000			586,188	585,667	0,521	6,468	585,994	-3,00	6,958
-7,180	585,667	-6,468	586,142	-3,00	370+0.000			586,336	585,721	0,615	6,468	586,142	-3,00	7,178
-7,027	585,917	-6,468	586,290	-3,00	371+0.000		PCV	586,484	585,917	0,567	6,468	586,290	-3,00	6,936
-6,873	586,167	-6,468	586,438	-3,00	372+0.000		PCV	586,632	586,167	0,465	6,468	586,438	-3,00	6,873
-6,913	586,299	-6,468	586,596	-3,00	373+0.000			586,790	586,237	0,553	6,468	586,596	-3,00	6,811
-6,869	586,507	-6,468	586,774	-3,00	374+0.000			586,968	586,417	0,551	6,468	586,774	-3,00	6,882
-6,689	586,826	-6,468	586,974	-3,00	375+0.000			587,168	586,667	0,501	6,468	586,974	-3,00	6,851
-6,507	587,167	-6,468	587,194	-3,00	376+0.000			587,388	586,901	0,487	6,468	587,194	-3,00	6,852
-6,493	587,417	-6,468	587,434	-3,00	377+0.000		PTV	587,628	587,167	0,461	6,468	587,434	-3,00	6,699
-6,587	587,616	-6,468	587,695	-3,00	378+0.000		PTV	587,889	587,417	0,472	6,468	587,695	-3,00	6,829
-6,542	587,917	-6,468	587,967	-3,00	379+0.000			588,161	587,917	0,244	6,468	587,967	-3,00	6,542
-6,709	588,417	-6,468	588,238	-3,00	380+0.000			588,432	588,518	-0,086	6,468	588,238	-3,00	6,826
-6,875	588,917	-6,468	588,510	-3,00	381+0.000			588,704	588,917	-0,213	6,468	588,510	-3,00	6,875
-6,604	588,917	-6,468	588,781	-3,00	382+0.000			588,975	588,842	0,133	6,468	588,781	-3,00	6,837

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da

Serviços de Terraplenagem



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Rodovia MT-388



SINFRACAP202650475A



Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo								Eixo				Lado Direito			
Offset		Bordo		Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		Incl. (%)	Cota (m)
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)							Afast. (m)	Cota (m)	Afast. (m)	Cota (m)		
-6,584	588,975	-6,468	589,052	-3,00		PCV	589,246	588,757	0,489	6,468	589,052	-3,00	6,654	588,928	
-6,477	589,318	-6,468	589,324	-3,00		PCV	589,518	589,098	0,420	6,468	589,324	-3,00	6,623	589,221	
-6,573	589,704	-6,468	589,598	-3,00			589,792	589,417	0,375	6,468	589,598	-3,00	6,640	589,487	
-6,529	589,940	-6,468	589,879	-3,00			590,073	589,667	0,406	6,468	589,879	-3,00	6,657	589,752	
-6,670	590,367	-6,468	590,165	-3,00			590,359	589,917	0,442	6,468	590,165	-3,00	6,559	590,104	
-6,678	590,667	-6,468	590,457	-3,00			590,651	590,167	0,484	6,468	590,457	-3,00	6,494	590,483	
-6,707	590,994	-6,468	590,755	-3,00		PTV	590,949	590,435	0,514	6,468	590,755	-3,00	6,669	590,621	
-6,576	591,167	-6,468	591,059	-3,00		PTV	591,253	590,911	0,342	6,468	591,059	-3,00	6,505	591,034	
-6,519	591,417	-6,468	591,366	-3,00			591,560	591,167	0,393	6,468	591,366	-3,00	6,603	591,276	
-6,476	591,667	-6,468	591,673	-3,00			591,867	591,435	0,432	6,468	591,673	-3,00	6,655	591,548	
-6,495	592,007	-6,468	591,980	-3,00			592,174	591,917	0,257	6,468	591,980	-3,00	6,562	591,917	
-6,598	592,417	-6,468	592,287	-3,00			592,481	592,488	-0,007	6,468	592,287	-3,00	6,666	592,485	
-6,754	592,880	-6,468	592,594	-3,00			592,788	593,167	-0,379	6,468	592,594	-3,00	6,927	593,053	
-6,782	593,215	-6,468	592,901	-3,00			593,095	593,417	-0,322	6,468	592,901	-3,00	6,984	593,417	
-6,904	592,917	-6,468	593,208	-3,00			593,402	593,167	0,235	6,468	593,208	-3,00	6,529	593,167	
-6,614	593,417	-6,468	593,515	-3,00			593,709	593,167	0,542	6,468	593,515	-3,00	6,518	593,481	
-6,791	593,606	-6,468	593,822	-3,00			594,016	593,417	0,599	6,468	593,822	-3,00	6,699	593,667	
-6,842	593,879	-6,468	594,128	-3,00			594,323	593,667	0,656	6,468	594,128	-3,00	6,807	593,902	
-6,918	594,135	-6,468	594,435	-3,00			594,629	593,917	0,712	6,468	594,435	-3,00	6,978	594,095	
-6,881	594,467	-6,468	594,742	-3,00			594,936	594,167	0,769	6,468	594,742	-3,00	6,645	594,624	
-7,041	594,667	-6,468	595,049	-3,00			595,243	594,487	0,756	6,468	595,049	-3,00	6,913	594,752	
-7,121	594,920	-6,468	595,356	-3,00			595,550	594,885	0,665	6,468	595,356	-3,00	6,976	595,017	
-7,108	595,236	-6,468	595,663	-3,00		PCV	595,857	595,167	0,690	6,468	595,663	-3,00	6,824	595,426	
-7,040	595,588	-6,468	595,970	-3,00		PCV	596,164	595,417	0,747	6,468	595,970	-3,00	7,063	595,573	
-6,922	595,975	-6,468	596,278	-3,00			596,472	595,807	0,665	6,468	596,278	-3,00	6,965	595,946	
-7,096	596,167	-6,468	596,586	-3,00			596,780	596,167	0,613	6,468	596,586	-3,00	6,869	596,319	
-6,923	596,592	-6,468	596,896	-3,00			597,090	596,650	0,440	6,468	596,896	-3,00	6,671	596,761	
-6,715	597,041	-6,468	597,207	-3,00			597,401	597,407	-0,006	6,468	597,207	-3,00	6,591	597,330	

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6,628	597,679	-6,468	597,518	-3,00	411+0.000		597,712	597,917	-0,205	6,468	597,518	-3,00	6,692	597,743
-7,464	597,167	-6,468	597,831	-3,00	412+0.000		598,025	597,651	0,374	6,468	597,831	-3,00	6,857	597,572
-7,157	597,685	-6,468	598,145	-3,00	413+0.000		598,339	597,605	0,734	6,468	598,145	-3,00	6,845	597,894
-7,265	597,929	-6,468	598,460	-3,00	414+0.000		598,654	597,917	0,737	6,468	598,460	-3,00	7,068	598,060
-7,144	598,325	-6,468	598,777	-3,00	415+0.000	PTV	598,971	598,257	0,714	6,468	598,777	-3,00	7,148	598,323
-6,968	598,760	-6,468	599,094	-3,00	416+0.000	PTV	599,288	598,667	0,621	6,468	599,094	-3,00	7,108	598,667
-6,834	599,167	-6,468	599,412	-3,00	417+0.000		599,606	598,917	0,689	6,468	599,412	-3,00	6,729	599,238
-7,040	599,348	-6,468	599,729	-3,00	418+0.000		599,923	599,331	0,592	6,468	599,729	-3,00	6,909	599,435
-7,413	599,417	-6,468	600,047	-3,00	419+0.000		600,241	599,667	0,574	6,468	600,047	-3,00	6,945	599,729
-7,099	599,944	-6,468	600,365	-3,00	420+0.000		600,559	599,917	0,642	6,468	600,365	-3,00	7,106	599,939
-7,042	600,299	-6,468	600,683	-3,00	421+0.000		600,877	600,269	0,608	6,468	600,683	-3,00	7,092	600,266
-6,968	600,667	-6,468	601,000	-3,00	422+0.000		601,194	600,667	0,527	6,468	601,000	-3,00	6,593	600,917
-7,069	600,917	-6,468	601,318	-3,00	423+0.000		601,512	600,917	0,595	6,468	601,318	-3,00	6,956	600,993
-7,021	601,267	-6,468	601,636	-3,00	424+0.000	PCV	601,830	601,263	0,567	6,468	601,636	-3,00	6,796	601,417
-6,898	601,667	-6,468	601,954	-3,00	425+0.000	PCV	602,148	601,667	0,481	6,468	601,954	-3,00	6,843	601,704
-6,904	601,984	-6,468	602,275	-3,00	426+0.000		602,469	601,947	0,522	6,468	602,275	-3,00	6,941	601,960
-7,053	602,214	-6,468	602,604	-3,00	427+0.000		602,798	602,397	0,401	6,468	602,604	-3,00	6,748	602,417
-6,877	602,667	-6,468	602,940	-3,00	428+0.000		603,134	602,864	0,270	6,468	602,940	-3,00	6,520	602,905
-6,601	603,417	-6,468	603,283	-3,00	429+0.000		603,477	603,496	-0,019	6,468	603,283	-3,00	6,533	603,240
-6,600	603,766	-6,468	603,634	-3,00	430+0.000		603,828	603,917	-0,089	6,468	603,634	-3,00	6,482	603,648
-6,955	603,667	-6,468	603,992	-3,00	431+0.000		604,186	603,917	0,269	6,468	603,992	-3,00	7,338	603,412
-7,156	603,898	-6,468	604,357	-3,00	432+0.000		604,552	603,667	0,885	6,468	604,357	-3,00	7,114	603,927
-7,357	604,137	-6,468	604,730	-3,00	433+0.000		604,924	604,129	0,795	6,468	604,730	-3,00	6,930	604,422
-7,414	604,479	-6,468	605,110	-3,00	434+0.000	PTV	605,304	604,417	0,887	6,468	605,110	-3,00	7,103	604,687
-7,403	604,874	-6,468	605,497	-3,00	435+0.000	PTV	605,691	604,667	1,024	6,468	605,497	-3,00	7,257	604,971
-7,485	605,210	-6,468	605,888	-3,00	436+0.000		606,082	605,167	0,915	6,468	605,888	-3,00	7,188	605,408
-7,152	605,823	-6,468	606,279	-3,00	437+0.000		606,473	605,667	0,806	6,468	606,279	-3,00	7,405	605,654
-7,119	606,236	-6,468	606,670	-3,00	438+0.000		606,864	606,058	0,806	6,468	606,670	-3,00	7,119	606,236

Volume 3C - Cálculo dos Volumes e Notas de
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388





Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-7,342	606,478	-6,468	607,061	-3,00	439+0.000			607,255	606,390	0,865	6,468	607,061	-3,00	7,328
-7,270	606,917	-6,468	607,452	-3,00	440+0.000		PCV	607,646	606,667	0,979	6,468	607,452	-3,00	7,645
-7,348	607,256	-6,468	607,843	-3,00	441+0.000		PCV	608,037	607,111	0,926	6,468	607,843	-3,00	7,276
-7,310	607,667	-6,468	608,229	-3,00	442+0.000			608,423	607,511	0,912	6,468	608,229	-3,00	7,310
-7,121	608,167	-6,468	608,603	-3,00	443+0.000			608,797	608,090	0,707	6,468	608,603	-3,00	7,158
-7,291	608,417	-6,468	608,966	-3,00	444+0.000			609,160	608,806	0,354	6,468	608,966	-3,00	7,666
-7,820	608,417	-6,468	609,318	-3,00	445+0.000			609,512	609,353	0,159	6,468	609,318	-3,00	6,688
-7,207	609,033	-6,468	609,659	-3,00	446+0.000			609,853	609,417	0,436	6,468	609,659	-3,00	6,896
-7,224	609,485	-6,468	609,989	-3,00	447+0.000			610,183	609,417	0,766	6,468	609,989	-3,00	7,201
-7,227	609,802	-6,468	610,308	-3,00	448+0.000			610,502	609,667	0,835	6,468	610,308	-3,00	7,412
-7,141	610,167	-6,468	610,616	-3,00	449+0.000			610,810	609,967	0,843	6,468	610,616	-3,00	7,264
-7,114	610,482	-6,468	610,913	-3,00	450+0.000		PTV	611,107	610,417	0,690	6,468	610,913	-3,00	7,094
-6,890	610,917	-6,468	611,199	-3,00	451+0.000		PTV	611,393	610,667	0,726	6,468	611,199	-3,00	7,003
-7,310	610,917	-6,468	611,479	-3,00	452+0.000			611,673	610,977	0,696	6,468	611,479	-3,00	6,935
-6,606	611,667	-6,468	611,759	-3,00	453+0.000			611,953	611,189	0,764	6,468	611,759	-3,00	7,368
-6,651	611,917	-6,468	612,039	-3,00	454+0.000			612,233	611,666	0,567	6,468	612,039	-3,00	6,922
-6,653	612,196	-6,468	612,319	-3,00	455+0.000			612,513	612,001	0,512	6,468	612,319	-3,00	6,927
-6,613	612,503	-6,468	612,599	-3,00	456+0.000			612,793	612,376	0,417	6,468	612,599	-3,00	6,741
-6,505	612,917	-6,468	612,880	-3,00	457+0.000			613,074	612,667	0,407	6,468	612,880	-3,00	6,682
-6,544	613,109	-6,468	613,160	-3,00	458+0.000			613,354	613,275	0,079	6,468	613,160	-3,00	6,603
-6,837	613,193	-6,468	613,440	-3,00	459+0.000			613,634	613,977	-0,343	6,468	613,440	-3,00	6,927
-7,672	612,917	-6,468	613,720	-3,00	460+0.000			613,914	614,417	-0,503	6,468	613,720	-3,00	7,165
-6,796	614,329	-6,468	614,000	-3,00	461+0.000			614,194	614,417	-0,223	6,468	614,000	-3,00	6,884
-6,637	614,167	-6,468	614,280	-3,00	462+0.000			614,474	614,417	0,057	6,468	614,280	-3,00	6,637
-6,716	614,809	-6,468	614,560	-3,00	463+0.000			614,754	614,667	0,087	6,468	614,560	-3,00	6,574
-6,544	614,917	-6,468	614,841	-3,00	464+0.000			615,035	614,917	0,118	6,468	614,841	-3,00	6,597
-6,514	615,167	-6,468	615,121	-3,00	465+0.000			615,315	615,167	0,148	6,468	615,121	-3,00	6,583
-6,538	615,471	-6,468	615,401	-3,00	466+0.000			615,595	615,417	0,178	6,468	615,401	-3,00	6,585

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem





Nota de Serviço de Terraplenagem															
MT 388 0+0.000 635+0.000															
Lado Esquerdo					Eixo					Lado Direito					
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6.704	615,917	-6.468	615,681	-3.00	467+0.000		615,875	615,860	0.015	6,468	615,681	-3.00	6.631	615,844	
-6.673	616,167	-6.468	615,961	-3.00	468+0.000		616,155	616,004	0.151	6,468	615,961	-3.00	6.682	616,176	
-6.593	616,367	-6.468	616,241	-3.00	469+0.000		616,435	616,208	0.227	6,468	616,241	-3.00	6.646	616,420	
-6.613	616,667	-6.468	616,521	-3.00	470+0.000		616,715	616,417	0.298	6,468	616,521	-3.00	6.644	616,698	
-6.495	616,830	-6.468	616,802	-3.00	471+0.000		616,996	616,667	0.329	6,468	616,802	-3.00	6.555	616,743	
-6.524	617,139	-6.468	617,082	-3.00	472+0.000		617,276	616,917	0.359	6,468	617,082	-3.00	6.715	616,917	
-6.549	617,308	-6.468	617,362	-3.00	473+0.000	PCV	617,556	617,167	0.389	6,468	617,362	-3.00	6.596	617,490	
-6.492	617,667	-6.468	617,642	-3.00	474+0.000	PCV	617,836	617,417	0.419	6,468	617,642	-3.00	6.805	617,417	
-6.591	617,834	-6.468	617,916	-3.00	475+0.000		618,110	617,667	0.443	6,468	617,916	-3.00	7.108	617,489	
-6.593	618,095	-6.468	618,178	-3.00	476+0.000		618,372	617,917	0.455	6,468	618,178	-3.00	6.557	618,118	
-6.484	618,417	-6.468	618,428	-3.00	477+0.000		618,622	618,417	0.205	6,468	618,428	-3.00	6.484	618,417	
-7.590	617,917	-6.468	618,666	-3.00	478+0.000		618,860	618,982	-0.122	6,468	618,666	-3.00	6.969	619,167	
-7.929	617,917	-6.468	618,891	-3.00	479+0.000		619,085	619,167	-0.082	6,468	618,891	-3.00	6.743	619,167	
-7.328	618,531	-6.468	619,104	-3.00	480+0.000		619,298	618,917	0.381	6,468	619,104	-3.00	7.499	618,417	
-6.788	619,092	-6.468	619,306	-3.00	481+0.000		619,500	619,009	0.491	6,468	619,306	-3.00	6.951	618,984	
-6.897	619,209	-6.468	619,495	-3.00	482+0.000		619,689	619,167	0.522	6,468	619,495	-3.00	6.939	619,180	
-6.850	619,417	-6.468	619,672	-3.00	483+0.000	PTV	619,866	619,417	0.449	6,468	619,672	-3.00	6.824	619,434	
-6.722	619,667	-6.468	619,837	-3.00	484+0.000	PTV	620,031	619,504	0.527	6,468	619,837	-3.00	6.770	619,635	
-6.861	619,733	-6.468	619,995	-3.00	485+0.000		620,189	619,667	0.522	6,468	619,995	-3.00	6.871	619,726	
-6.823	619,917	-6.468	620,154	-3.00	486+0.000		620,348	619,917	0.431	6,468	620,154	-3.00	6.795	619,936	
-7.061	619,917	-6.468	620,313	-3.00	487+0.000		620,507	619,917	0.590	6,468	620,313	-3.00	6.852	620,057	
-7.300	619,917	-6.468	620,472	-3.00	488+0.000		620,666	620,020	0.646	6,468	620,472	-3.00	6.877	620,198	
-7.163	620,167	-6.468	620,630	-3.00	489+0.000		620,824	620,167	0.657	6,468	620,630	-3.00	6.874	620,359	
-7.401	620,167	-6.468	620,789	-3.00	490+0.000	PCV	620,983	620,292	0.691	6,468	620,789	-3.00	6.907	620,496	
-7.264	620,417	-6.468	620,948	-3.00	491+0.000	PCV	621,142	620,417	0.725	6,468	620,948	-3.00	6.904	620,657	
-7.488	620,420	-6.468	621,100	-3.00	492+0.000		621,294	620,638	0.656	6,468	621,100	-3.00	7.049	620,713	
-7.273	620,703	-6.468	621,240	-3.00	493+0.000		621,434	620,693	0.741	6,468	621,240	-3.00	6.975	620,902	
-7.518	620,667	-6.468	621,368	-3.00	494+0.000		621,562	620,917	0.645	6,468	621,368	-3.00	7.055	620,976	

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388

Serviços de Terraplenagem



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Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-7,273	620,945	-6,468	621,482	-3,00	495+0.000			621,676	621,417	0,259	6,468	621,482	-3,00	6,565
-7,135	621,140	-6,468	621,584	-3,00	496+0.000			621,778	621,917	-0,139	6,468	621,584	-3,00	6,800
-7,603	620,917	-6,468	621,674	-3,00	497+0.000			621,868	621,871	-0,003	6,468	621,674	-3,00	6,711
-6,968	621,417	-6,468	621,751	-3,00	498+0.000			621,945	621,417	0,528	6,468	621,751	-3,00	7,058
-7,064	621,417	-6,468	621,815	-3,00	499+0.000			622,009	621,262	0,747	6,468	621,815	-3,00	7,038
-7,142	621,417	-6,468	621,866	-3,00	500+0.000		PTV	622,060	621,417	0,643	6,468	621,866	-3,00	7,124
-7,121	621,470	-6,468	621,905	-3,00	501+0.000		PTV	622,099	621,507	0,592	6,468	621,905	-3,00	7,034
-6,942	621,622	-6,468	621,938	-3,00	502+0.000			622,132	621,667	0,465	6,468	621,938	-3,00	6,870
-6,923	621,667	-6,468	621,971	-3,00	503+0.000			622,165	621,667	0,498	6,468	621,971	-3,00	6,908
-6,972	621,667	-6,468	622,004	-3,00	504+0.000			622,198	621,667	0,531	6,468	622,004	-3,00	6,865
-6,761	621,841	-6,468	622,036	-3,00	505+0.000			622,230	621,900	0,330	6,468	622,036	-3,00	6,646
-6,695	621,917	-6,468	622,069	-3,00	506+0.000			622,263	621,917	0,346	6,468	622,069	-3,00	6,694
-6,745	621,917	-6,468	622,102	-3,00	507+0.000		PCV	622,296	621,917	0,379	6,468	622,102	-3,00	6,742
-6,794	621,917	-6,468	622,134	-3,00	508+0.000		PCV	622,328	621,917	0,411	6,468	622,134	-3,00	6,790
-6,840	621,917	-6,468	622,166	-3,00	509+0.000			622,360	621,917	0,443	6,468	622,166	-3,00	6,838
-6,883	621,917	-6,468	622,194	-3,00	510+0.000			622,388	621,917	0,471	6,468	622,194	-3,00	6,877
-6,921	621,917	-6,468	622,219	-3,00	511+0.000			622,413	622,232	0,181	6,468	622,219	-3,00	6,709
-6,955	621,917	-6,468	622,242	-3,00	512+0.000			622,436	622,417	0,019	6,468	622,242	-3,00	6,643
-6,984	621,917	-6,468	622,261	-3,00	513+0.000			622,455	622,417	0,038	6,468	622,261	-3,00	6,553
-6,475	622,273	-6,468	622,278	-3,00	514+0.000			622,472	622,167	0,305	6,468	622,278	-3,00	6,634
-7,029	621,917	-6,468	622,291	-3,00	515+0.000			622,485	621,917	0,568	6,468	622,291	-3,00	7,557
-7,045	621,917	-6,468	622,302	-3,00	516+0.000			622,496	621,917	0,579	6,468	622,302	-3,00	7,003
-7,057	621,917	-6,468	622,310	-3,00	517+0.000		PTV	622,504	621,917	0,587	6,468	622,310	-3,00	6,953
-7,064	621,917	-6,468	622,315	-3,00	518+0.000		PTV	622,509	621,917	0,592	6,468	622,315	-3,00	6,970
-7,069	621,917	-6,468	622,318	-3,00	519+0.000			622,512	621,917	0,595	6,468	622,318	-3,00	7,000
-7,074	621,917	-6,468	622,321	-3,00	520+0.000			622,515	621,917	0,598	6,468	622,321	-3,00	7,034
-7,079	621,917	-6,468	622,324	-3,00	521+0.000			622,518	621,937	0,581	6,468	622,324	-3,00	6,945
-7,084	621,917	-6,468	622,328	-3,00	522+0.000			622,522	621,903	0,619	6,468	622,328	-3,00	6,982

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	
-7,089	621,917	-6,468	622,331	-3,00	523+0.000			622,525	621,947	0,578	6,468	622,331	-3,00	6,859
-7,094	621,917	-6,468	622,334	-3,00	524+0.000			622,528	621,969	0,559	6,468	622,334	-3,00	6,825
-7,099	621,917	-6,468	622,338	-3,00	525+0.000			622,532	621,958	0,574	6,468	622,338	-3,00	6,776
-7,104	621,917	-6,468	622,341	-3,00	526+0.000			622,535	622,142	0,393	6,468	622,341	-3,00	7,012
-6,733	622,167	-6,468	622,344	-3,00	527+0.000			622,538	622,325	0,213	6,468	622,344	-3,00	7,887
-6,537	622,417	-6,468	622,348	-3,00	528+0.000			622,542	622,498	0,044	6,468	622,348	-3,00	8,874
-6,538	622,422	-6,468	622,351	-3,00	529+0.000			622,545	621,666	0,879	6,468	622,351	-3,00	8,909
-6,530	622,417	-6,468	622,354	-3,00	530+0.000			622,548	621,802	0,746	6,468	622,354	-3,00	8,379
-6,829	622,116	-6,468	622,358	-3,00	531+0.000			622,552	622,250	0,302	6,468	622,358	-3,00	7,622
-7,133	621,917	-6,468	622,361	-3,00	532+0.000			622,555	621,875	0,680	6,468	622,361	-3,00	7,224
-7,145	621,912	-6,468	622,364	-3,00	533+0.000			622,558	621,861	0,697	6,468	622,364	-3,00	6,760
-7,152	621,911	-6,468	622,367	-3,00	534+0.000			622,561	622,028	0,533	6,468	622,367	-3,00	6,844
-7,148	621,917	-6,468	622,371	-3,00	535+0.000			622,565	621,888	0,677	6,468	622,371	-3,00	6,968
-7,153	621,917	-6,468	622,374	-3,00	536+0.000			622,568	621,995	0,573	6,468	622,374	-3,00	6,928
-7,158	621,917	-6,468	622,377	-3,00	537+0.000			622,571	621,920	0,651	6,468	622,377	-3,00	6,824
-7,163	621,917	-6,468	622,381	-3,00	538+0.000			622,575	622,002	0,573	6,468	622,381	-3,00	6,912
-7,168	621,917	-6,468	622,384	-3,00	539+0.000			622,578	621,976	0,602	6,468	622,384	-3,00	6,864
-7,173	621,917	-6,468	622,387	-3,00	540+0.000			622,581	621,993	0,588	6,468	622,387	-3,00	6,918
-7,178	621,917	-6,468	622,391	-3,00	541+0.000			622,585	621,930	0,655	6,468	622,391	-3,00	6,850
-7,183	621,917	-6,468	622,394	-3,00	542+0.000			622,588	621,938	0,650	6,468	622,394	-3,00	6,855
-7,188	621,917	-6,468	622,397	-3,00	543+0.000			622,591	622,012	0,579	6,468	622,397	-3,00	6,926
-7,193	621,917	-6,468	622,401	-3,00	544+0.000		PCV	622,595	621,971	0,624	6,468	622,401	-3,00	6,867
-7,198	621,917	-6,468	622,404	-3,00	545+0.000		PCV	622,598	621,997	0,601	6,468	622,404	-3,00	6,943
-7,202	621,917	-6,468	622,407	-3,00	546+0.000			622,601	621,970	0,631	6,468	622,407	-3,00	6,799
-7,096	621,991	-6,468	622,409	-3,00	547+0.000			622,604	622,175	0,429	6,468	622,409	-3,00	6,756
-6,823	622,175	-6,468	622,412	-3,00	548+0.000			622,606	622,432	0,174	6,468	622,412	-3,00	6,736
-6,543	622,489	-6,468	622,413	-3,00	549+0.000			622,607	622,433	0,174	6,468	622,413	-3,00	6,716
-6,611	622,558	-6,468	622,414	-3,00	550+0.000			622,608	622,773	-0,165	6,468	622,414	-3,00	8,856

Projeto Executivo de Engenharia para Implantação e Pavimentação da

Rodovia MT-388

Serviços de Terraplenagem



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6.542	622,489	-6,468	622,415	-3.00			622,609	622,637	-0.028	6,468	622,415	-3.00	6,641	622,299
-6.879	622,203	-6,468	622,415	-3.00			622,609	622,236	0.373	6,468	622,415	-3.00	7.329	621,841
-7.215	621,917	-6,468	622,415	-3.00			622,609	621,930	0.679	6,468	622,415	-3.00	6.856	622,156
-7.213	621,917	-6,468	622,414	-3.00		PTV	622,608	621,934	0.674	6,468	622,414	-3.00	6.865	622,149
-7.126	621,974	-6,468	622,413	-3.00		PTV	622,607	621,954	0.653	6,468	622,413	-3.00	6.749	622,226
-7.133	621,968	-6,468	622,412	-3.00			622,606	622,054	0.552	6,468	622,412	-3.00	6.683	622,268
-7.119	621,976	-6,468	622,410	-3.00			622,604	622,097	0.507	6,468	622,410	-3.00	6.576	622,338
-6.845	622,157	-6,468	622,409	-3.00			622,603	622,184	0.419	6,468	622,409	-3.00	6.577	622,335
-6.839	622,160	-6,468	622,407	-3.00			622,601	622,144	0.457	6,468	622,407	-3.00	6.632	622,297
-6.827	622,166	-6,468	622,406	-3.00			622,600	622,257	0.343	6,468	622,406	-3.00	6.578	622,332
-6.824	622,167	-6,468	622,404	-3.00			622,598	622,163	0.435	6,468	622,404	-3.00	6.598	622,317
-6.821	622,167	-6,468	622,403	-3.00			622,597	622,165	0.432	6,468	622,403	-3.00	6.478	622,396
-6.819	622,167	-6,468	622,401	-3.00			622,595	622,182	0.413	6,468	622,401	-3.00	6.500	622,380
-6.817	622,167	-6,468	622,400	-3.00			622,594	622,200	0.394	6,468	622,400	-3.00	6.509	622,442
-6.815	622,167	-6,468	622,398	-3.00			622,593	622,205	0.388	6,468	622,398	-3.00	6.532	622,463
-6.813	622,167	-6,468	622,397	-3.00			622,591	622,215	0.376	6,468	622,397	-3.00	6.558	622,488
-6.744	622,211	-6,468	622,396	-3.00			622,590	622,243	0.347	6,468	622,396	-3.00	6.594	622,523
-6.488	622,415	-6,468	622,394	-3.00			622,588	622,394	0.194	6,468	622,394	-3.00	6.624	622,551
-6.492	622,417	-6,468	622,393	-3.00			622,587	622,416	0.171	6,468	622,393	-3.00	6.648	622,573
-6.493	622,417	-6,468	622,391	-3.00			622,585	622,449	0.136	6,468	622,391	-3.00	6.689	622,613
-6.495	622,417	-6,468	622,390	-3.00		PCV	622,584	622,441	0.143	6,468	622,390	-3.00	6.695	622,617
-6.496	622,417	-6,468	622,388	-3.00		PCV	622,582	622,460	0.122	6,468	622,388	-3.00	6.748	622,669
-6.495	622,417	-6,468	622,389	-3.00			622,583	622,482	0.101	6,468	622,389	-3.00	6.700	622,622
-6.504	622,431	-6,468	622,395	-3.00			622,589	622,560	0.029	6,468	622,395	-3.00	6.895	622,822
-6.980	622,917	-6,468	622,405	-3.00			622,599	622,821	-0.222	6,468	622,405	-3.00	6.925	622,863
-6.724	622,676	-6,468	622,420	-3.00			622,614	623,167	-0.553	6,468	622,420	-3.00	7.090	623,042
-6.622	622,594	-6,468	622,439	-3.00			622,633	623,321	-0.688	6,468	622,439	-3.00	7.265	623,237
-6.862	622,858	-6,468	622,464	-3.00			622,658	622,940	-0.282	6,468	622,464	-3.00	6.961	622,957

Projeto Executivo de Engenharia para Implantação e Pavimentação da

Rodovia MT-388

Serviços de Terraplenagem



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Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6,642	622,667	-6,468	622,492	-3,00			622,686	622,686	0,000	6,468	622,492	-3,00	6,936	622,961
-6,605	622,664	-6,468	622,526	-3,00			622,720	622,629	0,091	6,468	622,526	-3,00	6,771	622,829
-6,566	622,663	-6,468	622,564	-3,00		PTV	622,758	622,658	0,100	6,468	622,564	-3,00	6,769	622,865
-6,526	622,665	-6,468	622,607	-3,00		PTV	622,801	622,655	0,146	6,468	622,607	-3,00	6,742	622,882
-6,483	622,668	-6,468	622,652	-3,00			622,846	622,684	0,162	6,468	622,652	-3,00	6,777	622,962
-6,514	622,667	-6,468	622,698	-3,00			622,892	622,691	0,201	6,468	622,698	-3,00	6,704	622,934
-6,581	622,667	-6,468	622,743	-3,00			622,937	622,667	0,270	6,468	622,743	-3,00	6,621	622,897
-6,649	622,667	-6,468	622,788	-3,00			622,982	622,679	0,303	6,468	622,788	-3,00	6,530	622,851
-6,717	622,667	-6,468	622,833	-3,00			623,027	622,696	0,331	6,468	622,833	-3,00	6,573	622,939
-6,785	622,667	-6,468	622,879	-3,00			623,073	622,689	0,384	6,468	622,879	-3,00	6,557	622,969
-6,853	622,667	-6,468	622,924	-3,00			623,118	622,780	0,338	6,468	622,924	-3,00	6,557	623,013
-6,921	622,667	-6,468	622,969	-3,00		PCV	623,163	622,776	0,387	6,468	622,969	-3,00	6,499	623,001
-6,989	622,667	-6,468	623,014	-3,00		PCV	623,208	622,789	0,419	6,468	623,014	-3,00	6,497	622,995
-6,989	622,710	-6,468	623,057	-3,00			623,251	622,834	0,417	6,468	623,057	-3,00	6,487	623,044
-6,771	622,894	-6,468	623,096	-3,00			623,290	622,917	0,373	6,468	623,096	-3,00	6,575	623,025
-7,164	622,667	-6,468	623,131	-3,00			623,325	623,167	0,158	6,468	623,131	-3,00	6,547	623,211
-7,210	622,667	-6,468	623,162	-3,00			623,356	623,481	-0,125	6,468	623,162	-3,00	6,822	623,516
-6,497	623,217	-6,468	623,188	-3,00			623,382	623,434	-0,052	6,468	623,188	-3,00	6,654	623,375
-6,674	623,417	-6,468	623,210	-3,00			623,404	623,122	0,282	6,468	623,210	-3,00	6,674	623,073
-6,935	622,917	-6,468	623,228	-3,00			623,422	622,759	0,663	6,468	623,228	-3,00	7,046	622,843
-7,330	622,667	-6,468	623,242	-3,00			623,436	622,667	0,769	6,468	623,242	-3,00	7,127	622,803
-7,345	622,667	-6,468	623,252	-3,00		PTV	623,446	622,667	0,779	6,468	623,252	-3,00	7,023	622,882
-7,353	622,667	-6,468	623,257	-3,00		PTV	623,451	622,667	0,784	6,468	623,257	-3,00	7,068	622,857
-7,358	622,667	-6,468	623,261	-3,00			623,455	622,667	0,788	6,468	623,261	-3,00	7,224	622,756
-7,363	622,667	-6,468	623,264	-3,00			623,458	622,681	0,777	6,468	623,264	-3,00	6,866	622,998
-7,368	622,667	-6,468	623,268	-3,00			623,462	622,828	0,634	6,468	623,268	-3,00	6,942	622,951
-7,380	622,663	-6,468	623,271	-3,00			623,465	622,626	0,839	6,468	623,271	-3,00	7,070	622,869
-7,384	622,663	-6,468	623,274	-3,00			623,468	622,653	0,815	6,468	623,274	-3,00	7,110	622,846

Projeto Executivo de Engenharia para Implantação e Pavimentação da

Rodovia MT-388

Serviços de Terraplenagem



SINFRACAP202650475A



Nota de Serviço de Terraplenagem														
MT 388 0+0.000 635+0.000														
Lado Esquerdo					Eixo					Lado Direito				
Offset		Bordo			Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo		Offset		
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)						Afast. (m)	Incl. (%)		Afast. (m)	Cota (m)
-7,384	622,667	-6,468	623,278	-3,00		PCV	623,472	622,641	0,831	6,468	623,278	-3,00	7,090	622,862
-7,361	622,685	-6,468	623,281	-3,00		PCV	623,475	622,662	0,813	6,468	623,281	-3,00	7,229	622,773
-7,011	622,917	-6,468	623,279	-3,00			623,473	622,866	0,607	6,468	623,279	-3,00	6,850	623,024
-7,741	622,417	-6,468	623,266	-3,00			623,460	623,086	0,374	6,468	623,266	-3,00	6,503	623,302
-7,705	622,417	-6,468	623,242	-3,00			623,436	623,062	0,374	6,468	623,242	-3,00	6,481	623,233
-7,225	622,703	-6,468	623,207	-3,00			623,401	623,025	0,376	6,468	623,207	-3,00	6,550	623,290
-6,911	622,866	-6,468	623,162	-3,00			623,356	622,917	0,439	6,468	623,162	-3,00	7,210	622,667
-6,871	622,837	-6,468	623,105	-3,00			623,299	622,917	0,382	6,468	623,105	-3,00	7,118	622,672
-6,861	622,776	-6,468	623,038	-3,00			623,232	622,917	0,315	6,468	623,038	-3,00	7,098	622,618
-6,676	622,820	-6,468	622,960	-3,00			623,154	622,804	0,350	6,468	622,960	-3,00	6,898	622,672
-6,675	622,732	-6,468	622,870	-3,00		PTV	623,064	622,775	0,289	6,468	622,870	-3,00	6,761	622,675
-6,476	622,765	-6,468	622,770	-3,00		PCV	622,964	622,777	0,187	6,468	622,770	-3,00	6,586	622,691
-6,677	622,525	-6,468	622,665	-3,00		PCV	622,859	622,667	0,192	6,468	622,665	-3,00	6,761	622,469
-6,590	622,501	-6,468	622,556	-3,00			622,750	622,530	0,220	6,468	622,556	-3,00	6,670	622,421
-6,502	622,477	-6,468	622,442	-3,00			622,636	622,424	0,212	6,468	622,442	-3,00	6,864	622,177
-6,525	622,379	-6,468	622,321	-3,00			622,515	622,151	0,364	6,468	622,321	-3,00	7,074	621,917
-6,946	621,876	-6,468	622,195	-3,00			622,389	621,861	0,528	6,468	622,195	-3,00	7,259	621,667
-6,983	621,719	-6,468	622,062	-3,00			622,256	621,557	0,699	6,468	622,062	-3,00	7,170	621,594
-6,914	621,626	-6,468	621,924	-3,00			622,118	621,414	0,704	6,468	621,924	-3,00	7,159	621,463
-6,941	621,464	-6,468	621,780	-3,00		PTV	621,974	621,237	0,737	6,468	621,780	-3,00	7,146	621,328
-6,941	621,314	-6,468	621,629	-3,00		PTV	621,823	621,233	0,590	6,468	621,629	-3,00	7,032	621,253
-6,869	621,209	-6,468	621,476	-3,00			621,670	620,998	0,672	6,468	621,476	-3,00	7,082	621,067
-6,889	621,042	-6,468	621,323	-3,00			621,517	620,937	0,580	6,468	621,323	-3,00	7,076	620,917
-6,919	620,888	-6,468	621,170	-3,00			621,364	620,737	0,627	6,468	621,170	-3,00	7,149	620,715
-6,956	620,691	-6,468	621,016	-3,00			621,210	620,538	0,672	6,468	621,016	-3,00	7,090	620,601
-6,971	620,527	-6,468	620,863	-3,00			621,057	620,417	0,640	6,468	620,863	-3,00	7,109	620,436
-6,972	620,374	-6,468	620,710	-3,00			620,904	620,244	0,660	6,468	620,710	-3,00	7,135	620,265
-6,953	620,233	-6,468	620,557	-3,00			620,751	620,163	0,588	6,468	620,557	-3,00	7,052	620,167
-6,897	620,117	-6,468	620,403	-3,00			620,597	620,022	0,575	6,468	620,403	-3,00	6,986	620,058

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem
Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388
HASH: c1897ca94de36f88e16a1d626e6870714dc3338d6be97fed1596d2b7f611. Documento assinado digitalmente, valide em <https://aquiloesepilap.mt.gov.br/flowbree-pub/#/validar/HVVF-CS3D-CSQE-NWFFN>. Assinado por: JOAO BATISTA DOMINGUES em 15/05/2026, JOAO BATISTA DOMINGUES em 15/05/2026, JOAO BATISTA DOMINGUES em 15/05/2026. Junado em 28/05/2026 08:19:30 por AMANDA ARAUJO.





HASH: c1897ca94de36f89e16a1d626c6d870714dc338d6be97fed1596d2b7f611. Documento assinado digitalmente, válido em <https://aquilicoes.seplag.mt.gov.br/flowbee-pub/#/validar/HVYF-CS3D-CSQE-NWFN>. Assinado por: JOAO BATISTA DOMINGUES em 15/05/2026, JOAO BATISTA DOMINGUES em 15/05/2026. Junto em 28/05/2026 08:19:30 por AMANDA ARAUJO.



4.4. Nota de serviço de Terraplenagem da Interseção

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-501

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SINFRACAP202650475A



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
Documento Nº: 37394456-4124 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=37394456-4124>



Nota de Serviço de Terraplenagem													
Lado Esquerdo							Eixo						
Lado Esquerdo							Eixo						
Bordo							Bordo						
Afast. (m)	Cota (m)	Incl. (%)	Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	614,932	-5,50	0+0.000			614,782	615,081	-0,299	1,468	614,738	-31,96	1,811	615,082
-5,703	615,009	-4,45	0+10.000		PCV	614,838	615,141	-0,303	1,468	614,793	-31,96	1,814	615,140
-7,000	615,103	-3,07	1+0.000		PCV	614,893	615,194	-0,301	1,468	614,849	-31,96	1,805	615,187
-7,000	615,125	-3,07	1+3.971			614,915	615,209	-0,294	1,468	614,871	-31,96	1,798	615,202
-7,000	615,157	-3,07	1+10.000			614,947	615,221	-0,274	1,468	614,903	-31,96	1,779	615,215
-1,696	615,051	-22,05	2+0.000			615,000	615,189	-0,189	1,468	614,956	-31,96	1,689	615,177
-5,000	615,190	-5,50	2+7.942	PCR		615,040	615,099	-0,059	1,468	614,995	-31,96	1,561	615,089
-5,000	615,200	-5,50	2+10.000			615,050	615,075	-0,025	1,468	615,006	-31,96	1,526	615,064
-5,000	615,247	-5,50	3+0.000			615,097	615,045	0,052	1,468	615,053	-31,96	1,483	615,069
-5,000	615,280	-5,50	3+7.141			615,130	615,264	-0,134	1,468	615,086	-31,96	1,650	615,268
-5,000	615,293	-5,50	3+10.000			615,143	615,299	-0,156	1,468	615,099	-31,96	1,664	615,296
-5,000	615,336	-5,50	4+0.000			615,186	615,391	-0,205	1,468	615,142	-31,96	1,719	615,393
-5,000	615,362	-5,50	4+6.339	PCR		615,212	615,447	-0,235	1,468	615,168	-31,96	1,753	615,453
-0,345	615,237	-120,18	4+10.000		PTV	615,227	615,479	-0,252	1,468	615,183	-31,96	1,769	615,484
-5,728	615,438	-4,42	5+0.000		PTV	615,266	615,567	-0,301	1,468	615,222	-31,96	1,817	615,571
-7,093	615,516	-2,99	5+10.000			615,303	615,626	-0,323	1,468	615,259	-31,96	1,840	615,632
-7,116	615,518	-2,97	5+10.310			615,305	615,627	-0,322	1,468	615,261	-31,96	1,841	615,634
-6,051	615,523	-4,02	6+0.000			615,341	615,675	-0,334	1,468	615,297	-31,96	1,850	615,680
-4,977	615,528	-5,54	6+10.000			615,379	615,728	-0,349	1,468	615,335	-31,96	1,864	615,732
-4,977	615,528	-5,54	6+14.281			615,379	615,751	-0,372	1,468	615,335	-31,96	1,864	615,732





Nota de Serviço Terraplenagem													
Ramo 03 Ramo 03 0+0.000 4+12.904													
Lado Esquerdo				Eixo				Lado Direito					
Bordo		Estaca		Pontos Notáveis da Geometria Horizontal		Pontos Notáveis da Geometria Vertical		Cota Terreno		Cota Vermelha		Bordo	
Afast. (m)	Cota (m)	Incl. (%)										Afast. (m)	Cota (m)
-5,000	613,193	-5,50	0+0,000					613,043	612,557	0,486		1,468	612,999
-5,000	613,249	-5,50	0+0,921					613,099	612,607	0,492		1,468	613,055
-5,734	613,815	-4,41	0+10,000		PC			613,643	613,081	0,562		1,468	613,599
-7,000	614,393	-3,07	1+0,000			PCV		614,183	613,489	0,694		1,468	614,139
-7,000	614,811	-3,07	1+10,000					614,601	613,727	0,874		1,468	614,557
-0,832	614,923	-48,07	2+0,000					614,898	613,926	0,972		1,468	614,854
0,000	0,000	0,000	2+5,543					615,010	614,004	1,006		1,468	614,966
-0,001	615,090	-76,78	2+10,000					615,074	614,088	0,986		1,468	615,030
-6,993	615,338	-3,08	3+0,000					615,128	614,490	0,638		1,468	615,084
-6,976	615,271	-3,09	3+10,000			PTV		615,061	614,707	0,354		1,468	615,017
-6,031	615,115	-4,05	4+0,000					614,934	614,906	0,028		1,468	614,890
-5,023	614,958	-5,46	4+10,000					614,807	614,952	-0,145		1,468	614,763
-5,021	614,956	-5,46	4+10,165		PT			614,805	614,951	-0,146		1,468	614,761
-5,000	614,920	-5,50	4+12,904					614,770	614,942	-0,172		1,468	614,726

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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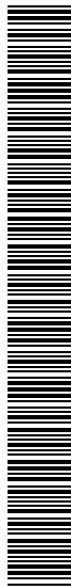
Nota de Serviço Terraplenagem															
Rótula Rótula 0+0,000 8+12,788															
Lado Esquerdo								Lado Direito							
Offset				Folga				Folga				Offset			
Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)	Afast. (m)	Incl. (%)	Cota (m)
-11,470	615,355	-10,668	-3,00	-10,000	614,573	-3,00	0+0,000	0+0,000	614,873	615,298	-0,425	0,610	614,891	3,00	1,012
-11,312	615,265	-10,668	-3,00	-10,000	614,640	-3,00	0+10,000	0+10,000	614,940	615,243	-0,303	0,610	614,959	3,00	0,891
-11,168	615,188	-10,668	-3,00	-10,000	614,708	-3,00	1+0,000	1+0,000	615,008	615,139	-0,131	0,610	615,026	3,00	0,720
-11,065	615,147	-10,668	-3,00	-10,000	614,770	-3,00	1+10,000	1+10,000	615,070	615,044	0,026	0,610	615,089	3,00	0,661
-11,018	615,153	-10,668	-3,00	-10,000	614,822	-3,00	2+0,000	2+0,000	615,122	615,168	-0,046	0,610	615,141	3,00	0,640
-11,015	615,157	-10,668	-3,00	-10,000	614,829	-3,00	2+1,551	2+1,551	615,129	615,226	-0,097	0,610	615,148	3,00	0,693
-11,159	615,335	-10,668	-3,00	-10,000	614,864	-3,00	2+10,000	2+10,000	615,164	615,341	-0,177	0,610	615,182	3,00	0,769
-11,191	615,398	-10,668	-3,00	-10,000	614,895	-3,00	3+0,000	3+0,000	615,195	615,432	-0,237	0,610	615,213	3,00	0,832
-11,218	615,445	-10,668	-3,00	-10,000	614,915	-3,00	3+10,000	3+10,000	615,215	615,512	-0,297	0,610	615,233	3,00	0,894
-11,233	615,471	-10,668	-3,00	-10,000	614,925	-3,00	4+0,000	4+0,000	615,225	615,545	-0,320	0,610	615,243	3,00	0,918
-11,290	615,528	-10,668	-3,00	-10,000	614,926	-3,00	4+3,102	4+3,102	615,226	615,569	-0,343	0,610	615,244	3,00	0,938
-11,245	615,482	-10,668	-3,00	-10,000	614,924	-3,00	4+10,000	4+10,000	615,224	615,455	-0,231	0,610	615,243	3,00	0,813
-10,687	614,880	-10,668	-3,00	-10,000	614,913	-3,00	5+0,000	5+0,000	615,213	614,324	0,889	0,610	615,231	3,00	2,218
-10,946	614,686	-10,668	-3,00	-10,000	614,892	-3,00	5+10,000	5+10,000	615,192	613,842	1,350	0,610	615,210	3,00	2,772
-10,788	614,759	-10,668	-3,00	-10,000	614,860	-3,00	6+0,000	6+0,000	615,160	614,101	1,059	0,610	615,178	3,00	2,519
-10,712	614,777	-10,668	-3,00	-10,000	614,827	-3,00	6+7,945	6+7,945	615,127	614,265	0,862	0,610	615,145	3,00	2,061
-10,709	614,769	-10,668	-3,00	-10,000	614,817	-3,00	6+10,000	6+10,000	615,117	614,156	0,961	0,610	615,135	3,00	2,245
-10,784	614,666	-10,668	-3,00	-10,000	614,764	-3,00	7+0,000	7+0,000	615,064	614,029	1,035	0,610	615,082	3,00	2,405
-10,758	614,776	-10,668	-3,00	-10,000	614,706	-3,00	7+10,000	7+10,000	615,006	614,020	0,986	0,610	615,024	3,00	2,378
-11,046	615,006	-10,668	-3,00	-10,000	614,647	-3,00	8+0,000	8+0,000	614,947	614,553	0,394	0,610	614,966	3,00	1,303
-11,414	615,316	-10,668	-3,00	-10,000	614,589	-3,00	8+10,000	8+10,000	614,889	615,246	-0,357	0,610	614,907	3,00	0,943
-11,470	615,355	-10,668	-3,00	-10,000	614,573	-3,00	8+12,788	8+12,788	614,873	615,298	-0,425	0,610	614,891	3,00	1,012

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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5. CÁLCULO DOS VOLUMES



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5.1. Cálculo dos Volumes



Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388

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Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
Documento Nº: 37394456-4124 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=37394456-4124>



RODOVIA:		MT 388											
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)											
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL											
EXTENSÃO:		12,70 km											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto													
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO				100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 3													
3	+	-	-	-	4,563	-	-	-	4,5630	-	-	-	-
4	+	-	10,0000	-	6,178	107,410	-	107,410	6,1780	-	-	-	107,410
5	+	-	10,0000	-	7,772	139,500	-	246,910	7,7720	-	-	-	139,500
6	+	-	10,0000	-	8,128	159,000	-	405,910	8,1280	-	-	-	159,000
7	+	-	10,0000	0,004	0,040	6,260	143,880	0,040	549,790	6,2600	-	-	143,880
8	+	-	10,0000	1,030	10,340	0,597	68,570	10,380	618,360	0,5970	-	-	68,570
9	+	-	10,0000	7,705	87,350	-	5,970	97,730	624,330	-	-	-	5,970
10	+	-	10,0000	12,018	197,230	-	-	294,960	624,330	-	-	-	-
11	+	-	10,0000	4,353	163,710	-	-	458,670	624,330	-	-	-	-
12	+	-	10,0000	0,139	44,920	3,354	33,540	503,590	657,870	3,3540	-	-	33,540
13	+	-	10,0000	0,012	1,510	3,941	72,950	505,100	730,820	3,9410	-	-	72,950
14	+	-	10,0000	-	0,120	4,149	80,900	505,220	811,720	4,1490	-	-	80,900
15	+	-	10,0000	0,377	3,770	4,022	81,710	508,990	893,430	4,0220	-	-	81,710
16	+	-	10,0000	0,180	5,570	5,631	96,530	514,560	989,960	5,6310	-	-	96,530
17	+	-	10,0000	0,060	2,400	6,609	122,400	516,960	1,112,360	6,6090	-	-	122,400
18	+	-	10,0000	-	0,600	7,811	144,200	517,560	1,256,560	7,8110	-	-	144,200
19	+	-	10,0000	-	-	7,349	151,600	517,560	1,408,160	7,3490	-	-	151,600
20	+	-	10,0000	0,013	0,130	3,261	106,100	517,690	1,514,260	3,2610	-	-	106,100
21	+	-	10,0000	1,309	13,220	0,001	32,620	530,910	1,546,880	0,0010	-	-	32,620
22	+	-	10,0000	1,955	32,640	-	0,010	563,550	1,546,890	-	-	-	0,010
23	+	-	10,0000	0,364	23,190	0,299	2,990	586,740	1,549,880	0,2990	-	-	2,990
24	+	-	10,0000	-	3,640	1,023	13,220	590,380	1,563,100	1,0230	-	-	13,220
25	+	-	10,0000	0,276	2,760	1,288	23,110	593,140	1,586,210	1,2880	-	-	23,110
26	+	-	10,0000	0,033	3,090	1,744	30,320	596,230	1,616,530	1,7440	-	-	30,320
27	+	-	10,0000	-	0,330	1,765	35,090	596,560	1,651,620	1,7650	-	-	35,090
28	+	-	10,0000	-	-	2,708	44,730	596,560	1,696,350	2,7080	-	-	44,730
29	+	-	10,0000	-	-	2,649	53,570	596,560	1,749,920	2,6490	-	-	53,570
30	+	-	10,0000	-	-	2,946	55,950	596,560	1,805,870	2,9460	-	-	55,950
31	+	-	10,0000	-	-	5,133	80,790	596,560	1,886,660	5,1330	-	-	80,790
32	+	-	10,0000	-	-	6,901	120,340	596,560	2,007,000	6,9010	-	-	120,340
33	+	-	10,0000	-	-	7,746	146,470	596,560	2,153,470	7,7460	-	-	146,470
34	+	-	10,0000	-	-	7,278	150,240	596,560	2,303,710	7,2780	-	-	150,240
35	+	-	10,0000	-	-	7,260	145,380	596,560	2,449,090	7,2600	-	-	145,380
36	+	-	10,0000	-	-	6,776	140,360	596,560	2,589,450	6,7760	-	-	140,360
37	+	-	10,0000	-	-	6,066	128,420	596,560	2,717,870	6,0660	-	-	128,420
38	+	-	10,0000	-	-	6,533	125,990	596,560	2,843,860	6,5330	-	-	125,990
39	+	-	10,0000	-	-	7,273	138,060	596,560	2,981,920	7,2730	-	-	138,060
40	+	-	10,0000	-	-	7,629	149,020	596,560	3,130,940	7,6290	-	-	149,020
41	+	-	10,0000	-	-	6,896	145,250	596,560	3,276,190	6,8960	-	-	145,250
42	+	-	10,0000	-	-	9,016	159,120	596,560	3,435,310	8,3300	0,6860	6,860	152,260
43	+	-	10,0000	-	-	11,372	203,880	596,560	3,639,190	8,3300	3,0420	37,280	166,600
44	+	-	10,0000	-	-	16,368	277,400	596,560	3,916,590	8,3300	8,0380	110,800	166,600
45	+	-	10,0000	-	-	19,677	360,450	596,560	4,277,040	8,3300	11,3470	193,850	166,600
46	+	-	10,0000	-	-	20,517	401,940	596,560	4,678,980	8,3300	12,1870	235,340	166,600
47	+	-	10,0000	-	-	18,543	390,600	596,560	5,069,580	8,3300	10,2130	224,000	166,600
48	+	-	10,0000	-	-	14,586	331,290	596,560	5,400,870	8,3300	6,2560	164,690	166,600
49	+	-	10,0000	-	-	12,075	266,610	596,560	5,667,480	8,3300	3,7450	100,010	166,600
50	+	-	10,0000	-	-	9,466	215,410	596,560	5,882,890	8,3300	1,1360	48,810	166,600
51	+	-	10,0000	-	-	9,266	187,320	596,560	6,070,210	8,3300	0,9360	20,720	166,600
52	+	-	10,0000	-	-	8,787	180,530	596,560	6,250,740	8,3300	0,4570	13,930	166,600
53	+	-	10,0000	-	-	8,026	168,130	596,560	6,418,870	8,0260	-	4,570	163,560
54	+	-	10,0000	-	-	7,679	157,050	596,560	6,575,920	7,6790	-	-	157,050
55	+	-	10,0000	-	-	8,150	158,290	596,560	6,734,210	8,1500	-	-	158,290
56	+	-	10,0000	-	-	8,525	166,750	596,560	6,900,960	8,3300	0,1950	1,950	164,800
57	+	-	10,0000	-	-	7,870	163,950	596,560	7,064,910	7,8700	-	1,950	162,000
58	+	-	10,0000	-	-	7,302	151,720	596,560	7,216,630	7,3020	-	-	151,720
59	+	-	10,0000	-	-	7,115	144,170	596,560	7,360,800	7,1150	-	-	144,170
60	+	-	10,0000	-	-	7,160	142,750	596,560	7,503,550	7,1600	-	-	142,750
61	+	-	10,0000	-	-	7,336	144,960	596,560	7,648,510	7,3360	-	-	144,960
62	+	-	10,0000	-	-	6,882	142,180	596,560	7,790,690	6,8820	-	-	142,180
63	+	-	10,0000	-	-	7,137	140,190	596,560	7,930,880	7,1370	-	-	140,190
64	+	-	10,0000	-	-	7,756	148,930	596,560	8,079,810	7,7560	-	-	148,930
65	+	-	10,0000	-	-	7,687	154,430	596,560	8,234,240	7,6870	-	-	154,430
66	+	-	10,0000	-	-	6,920	146,070	596,560	8,380,310	6,9200	-	-	146,070
67	+	-	10,0000	-	-	7,557	144,770	596,560	8,525,080	7,5570	-	-	144,770
68	+	-	10,0000	-	-	8,117	156,740	596,560	8,681,820	8,1170	-	-	156,740
69	+	-	10,0000	-	-	8,480	165,970	596,560	8,847,790	8,3300	0,1500	1,500	164,470
70	+	-	10,0000	-	-	8,033	165,130	596,560	9,012,920	8,0330	-	1,500	163,630
71	+	-	10,0000	-	-	6,660	146,930	596,560	9,159,850	6,6600	-	-	146,930
72	+	-	10,0000	-	-	5,413	120,730	596,560	9,280,580	5,4130	-	-	120,730
73	+	-	10,0000	-	-	9,338	147,510	596,560	9,428,090	8,3300	1,0080	10,080	137,430
74	+	-	10,0000	-	-	8,967	183,050	596,560	9,611,140	8,3300	0,6370	16,450	166,600
75	+	-	10,0000	-	-	8,456	174,230	596,560	9,785,370	8,3300	0,1260	7,630	166,600
76	+	-	10,0000	-	-	6,996	154,520	596,560	9,939,890	6,9960	-	1,260	153,260
77	+	-	10,0000	-	-	7,360	143,560	596,560	10,083,450	7,3600	-	-	143,560
78	+	-	10,0000	-	-	8,212	155,720	596,560	10,239,170	8,2120	-	-	155,720
79	+	-	10,0000	-	-	8,168	163,800	596,560	10,402,970	8,1680	-	-	163,800
80	+	-	10,0000	-	-	9,527	176,950	596,560	10,579,920	8,3300	1,1970	11,970	164,980
81	+	-	10,0000	-	-	9,149	186,760	596,560	10,766,680	8,3300	0,8190	20,160	166,600
82	+	-	10,0000	-	-	8,039	171,880	596,560	10,938,560	8,0390	-	8,190	163,690
83	+	-	10,0000	-	-	7,866	159,050	596,560	11,097,610	7,8660	-	-	159,050

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388





RODOVIA:		MT 388											
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)											
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL											
EXTENSÃO:		12,70 km											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto													
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO			100% PN	100% PI
84	+	-	10,0000	-	-	9,750	176,160	596,560	11.273,770	8,3300	1,4200	14,200	161,960
85	+	-	10,0000	-	-	9,667	194,170	596,560	11.467,940	8,3300	1,3370	27,570	166,600
86	+	-	10,0000	-	-	10,080	197,470	596,560	11.665,410	8,3300	1,7500	30,870	166,600
87	+	-	10,0000	-	-	10,584	206,640	596,560	11.872,050	8,3300	2,2540	40,040	166,600
88	+	-	10,0000	-	-	10,686	212,700	596,560	12.084,750	8,3300	2,3560	46,100	166,600
89	+	-	10,0000	-	-	9,191	198,770	596,560	12.283,520	8,3300	0,8610	32,170	166,600
90	+	-	10,0000	-	-	8,394	175,850	596,560	12.459,370	8,3300	0,0640	9,250	166,600
91	+	-	10,0000	-	-	7,580	159,740	596,560	12.619,110	7,5800	-	0,640	159,100
92	+	-	10,0000	-	-	7,661	152,410	596,560	12.771,520	7,6610	-	-	152,410
93	+	-	10,0000	-	-	7,490	151,510	596,560	12.923,030	7,4900	-	-	151,510
94	+	-	10,0000	-	-	5,835	133,250	596,560	13.056,280	5,8350	-	-	133,250
95	+	-	10,0000	-	-	5,763	115,980	596,560	13.172,260	5,7630	-	-	115,980
96	+	-	10,0000	-	-	5,553	117,160	596,560	13.289,420	5,9530	-	-	117,160
97	+	-	10,0000	-	-	6,243	121,960	596,560	13.411,380	6,2430	-	-	121,960
98	+	-	10,0000	-	-	6,379	126,220	596,560	13.537,600	6,3790	-	-	126,220
99	+	-	10,0000	-	-	6,610	129,890	596,560	13.667,490	6,6100	-	-	129,890
100	+	-	10,0000	-	-	5,852	124,620	596,560	13.792,110	5,8520	-	-	124,620
101	+	-	10,0000	-	-	5,984	118,360	596,560	13.910,470	5,9840	-	-	118,360
102	+	-	10,0000	-	-	6,299	122,830	596,560	14.033,300	6,2990	-	-	122,830
103	+	-	10,0000	-	-	5,982	122,810	596,560	14.156,110	5,9820	-	-	122,810
104	+	-	10,0000	-	-	7,879	138,610	596,560	14.294,720	7,8790	-	-	138,610
105	+	-	10,0000	-	-	7,504	153,830	596,560	14.448,550	7,5040	-	-	153,830
106	+	-	10,0000	-	-	6,915	144,190	596,560	14.592,740	6,9150	-	-	144,190
107	+	-	10,0000	-	-	6,497	134,120	596,560	14.726,860	6,4970	-	-	134,120
108	+	-	10,0000	-	-	6,543	130,400	596,560	14.857,260	6,5430	-	-	130,400
109	+	-	10,0000	-	-	7,347	138,900	596,560	14.996,160	7,3470	-	-	138,900
110	+	-	10,0000	-	-	7,622	149,690	596,560	15.145,850	7,6220	-	-	149,690
111	+	-	10,0000	-	-	7,674	152,960	596,560	15.298,810	7,6740	-	-	152,960
112	+	-	10,0000	-	-	8,366	160,400	596,560	15.459,210	8,3300	0,0360	0,360	160,040
113	+	-	10,0000	-	-	9,348	177,140	596,560	15.636,350	8,3300	1,0180	10,540	166,600
114	+	-	10,0000	-	-	10,234	195,820	596,560	15.832,170	8,3300	1,9040	29,220	166,600
115	+	-	10,0000	-	-	9,063	192,970	596,560	16.025,140	8,3300	0,7330	26,370	166,600
116	+	-	10,0000	-	-	9,950	190,130	596,560	16.215,270	8,3300	1,6200	23,530	166,600
117	+	-	10,0000	-	-	10,438	203,880	596,560	16.419,150	8,3300	2,1080	37,280	166,600
118	+	-	10,0000	-	-	7,428	178,660	596,560	16.597,810	7,4280	-	21,080	157,580
119	+	-	10,0000	-	-	8,465	158,930	596,560	16.756,740	8,3300	0,1350	1,350	157,580
120	+	-	10,0000	-	-	8,150	166,150	596,560	16.922,890	8,1500	-	1,350	164,800
121	+	-	10,0000	-	-	7,655	158,050	596,560	17.080,940	7,6550	-	-	158,050
122	+	-	10,0000	-	-	4,412	120,670	596,560	17.201,610	4,4120	-	-	120,670
123	+	-	10,0000	-	-	3,356	77,680	596,560	17.279,290	3,3560	-	-	77,680
124	+	-	10,0000	0,070	0,700	2,376	57,320	597,260	17.336,610	2,3760	-	-	57,320
125	+	-	10,0000	0,017	0,870	2,269	46,450	598,130	17.383,060	2,2690	-	-	46,450
126	+	-	10,0000	-	0,170	3,993	62,620	598,300	17.445,680	3,9930	-	-	62,620
127	+	-	10,0000	-	-	7,680	116,730	598,300	17.562,410	7,6800	-	-	116,730
128	+	-	10,0000	-	-	6,921	146,010	598,300	17.708,420	6,9210	-	-	146,010
129	+	-	10,0000	-	-	7,310	142,310	598,300	17.850,730	7,3100	-	-	142,310
130	+	-	10,0000	-	-	8,607	159,170	598,300	18.009,900	8,3300	0,2770	2,770	156,400
131	+	-	10,0000	-	-	12,087	206,940	598,300	18.216,840	8,3300	3,7570	40,340	166,600
132	+	-	10,0000	-	-	8,342	204,290	598,300	18.421,130	8,3300	0,0120	37,690	166,600
133	+	-	10,0000	-	-	6,568	149,100	598,300	18.570,230	6,5680	-	0,120	148,980
134	+	-	10,0000	-	-	7,299	138,670	598,300	18.708,900	7,2990	-	-	138,670
135	+	-	10,0000	-	-	6,746	140,450	598,300	18.849,350	6,7460	-	-	140,450
136	+	-	10,0000	-	-	7,369	141,150	598,300	18.990,500	7,3690	-	-	141,150
137	+	-	10,0000	-	-	6,786	141,550	598,300	19.132,050	6,7860	-	-	141,550
138	+	-	10,0000	-	-	6,828	136,140	598,300	19.268,190	6,8280	-	-	136,140
139	+	-	10,0000	-	-	8,409	152,370	598,300	19.420,560	8,3300	0,0790	0,790	151,580
140	+	-	10,0000	-	-	9,014	174,230	598,300	19.594,790	8,3300	0,6840	7,630	166,600
141	+	-	10,0000	-	-	10,320	193,340	598,300	19.788,130	8,3300	1,9900	26,740	166,600
142	+	-	10,0000	-	-	9,280	196,000	598,300	19.984,130	8,3300	0,9500	29,400	166,600
143	+	-	10,0000	-	-	8,486	177,660	598,300	20.161,790	8,3300	0,1560	11,060	166,600
144	+	-	10,0000	-	-	7,538	160,240	598,300	20.322,030	7,5380	-	1,560	158,680
145	+	-	10,0000	-	-	6,536	140,740	598,300	20.462,770	6,5360	-	-	140,740
146	+	-	10,0000	-	-	7,853	143,890	598,300	20.606,660	7,8530	-	-	143,890
147	+	-	10,0000	-	-	7,405	152,580	598,300	20.759,240	7,4050	-	-	152,580
148	+	-	10,0000	-	-	5,277	126,820	598,300	20.886,060	5,2770	-	-	126,820
149	+	-	10,0000	-	-	4,568	98,450	598,300	20.984,510	4,5680	-	-	98,450
150	+	-	10,0000	-	-	5,081	96,490	598,300	21.081,000	5,0810	-	-	96,490
151	+	-	10,0000	-	-	5,157	102,380	598,300	21.183,380	5,1570	-	-	102,380
152	+	-	10,0000	-	-	5,664	108,210	598,300	21.291,590	5,6640	-	-	108,210
153	+	-	10,0000	-	-	6,696	123,600	598,300	21.415,190	6,6960	-	-	123,600
154	+	-	10,0000	-	-	7,139	138,350	598,300	21.553,540	7,1390	-	-	138,350
155	+	-	10,0000	-	-	7,922	150,610	598,300	21.704,150	7,9220	-	-	150,610
156	+	-	10,0000	-	-	8,499	164,210	598,300	21.868,360	8,3300	0,1690	1,690	162,520
157	+	-	10,0000	-	-	8,879	173,780	598,300	22.042,140	8,3300	0,5490	7,180	166,600
158	+	-	10,0000	-	-	8,683	175,620	598,300	22.217,760	8,3300	0,3530	9,020	166,600
159	+	-	10,0000	-	-	6,230	149,130	598,300	22.366,890	6,2300	-	3,530	145,600
160	+	-	10,0000	0,529	5,290	0,789	70,190	603,590	22.437,080	0,7890	-	-	70,190
161	+	-	10,0000	6,434	69,630	-	7,890	673,220	22.444,970	-	-	-	7,890
162	+	-	10,0000	4,930	113,640	-	-	786,860	22.444,970	-	-	-	-
163	+	-	10,0000	1,453	63,830	0,197	1,970	850,690	22.446,940	0,1970	-	-	1,970

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RODOVIA:		MT 388											
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)											
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL											
EXTENSÃO:		12,70 km											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto													
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO			100% PN	100% PI
164	+	-	10,0000	0,091	15,440	1,425	16,220	866,130	22,463,160	1,4250	-	-	16,222
165	+	-	10,0000	0,004	0,950	2,953	43,780	867,080	22,506,940	2,9530	-	-	43,788
166	+	-	10,0000	-	0,040	6,503	94,560	867,120	22,601,500	6,5030	-	-	94,566
167	+	-	10,0000	-	-	7,280	137,830	867,120	22,739,330	7,2800	-	-	137,838
168	+	-	10,0000	-	-	6,456	137,360	867,120	22,876,690	6,4560	-	-	137,366
169	+	-	10,0000	0,002	0,020	5,770	122,260	867,140	22,998,950	5,7700	-	-	122,266
170	+	-	10,0000	-	0,020	6,500	122,700	867,160	23,121,650	6,5000	-	-	122,706
171	+	-	10,0000	-	-	6,898	133,980	867,160	23,255,630	6,8980	-	-	133,988
172	+	-	10,0000	-	-	6,894	137,920	867,160	23,393,550	6,8940	-	-	137,926
173	+	-	10,0000	-	-	6,933	138,270	867,160	23,531,820	6,9330	-	-	138,276
174	+	-	10,0000	0,026	0,260	5,803	127,360	867,420	23,659,180	5,8030	-	-	127,366
175	+	-	10,0000	0,194	2,200	2,529	83,320	869,620	23,742,500	2,5290	-	-	83,326
176	+	-	10,0000	0,634	8,280	1,806	43,350	877,900	23,785,850	1,8060	-	-	43,356
177	+	-	10,0000	4,534	51,680	-	18,060	929,580	23,803,910	-	-	-	18,066
178	+	-	10,0000	1,201	57,350	0,387	3,870	986,930	23,807,780	0,3870	-	-	3,876
179	+	-	10,0000	0,035	12,360	3,502	38,890	999,290	23,846,670	3,5020	-	-	38,896
180	+	-	10,0000	-	0,350	5,183	86,850	999,640	23,933,520	5,1830	-	-	86,856
181	+	-	10,0000	-	-	7,788	129,710	999,640	24,063,230	7,7880	-	-	129,716
182	+	-	10,0000	-	-	7,807	155,950	999,640	24,219,180	7,8070	-	-	155,956
183	+	-	10,0000	-	-	4,729	123,360	999,640	24,344,540	4,7290	-	-	123,366
184	+	-	10,0000	0,029	0,290	2,956	76,850	999,930	24,421,390	2,9560	-	-	76,856
185	+	-	10,0000	0,056	0,850	2,710	56,660	1,000,780	24,478,050	2,7100	-	-	56,666
186	+	-	10,0000	-	0,560	3,846	65,560	1,001,340	24,543,610	3,8460	-	-	65,566
187	+	-	10,0000	0,001	0,010	4,514	83,600	1,001,350	24,627,210	4,5140	-	-	83,606
187	+	10,070	5,0350	-	0,005	4,064	43,190	1,001,355	24,670,400	4,0640	-	-	43,196
188	+	-	4,9650	-	-	3,188	36,006	1,001,355	24,706,406	3,1880	-	-	36,006
188	+	10,000	5,0000	0,001	0,005	3,039	31,135	1,001,360	24,737,541	3,0390	-	-	31,136
189	+	-	5,0000	0,308	1,545	2,962	30,005	1,002,905	24,767,546	2,9620	-	-	30,006
189	+	10,000	5,0000	0,443	3,755	2,473	27,175	1,006,660	24,794,721	2,4730	-	-	27,176
189	+	10,070	0,0350	0,443	0,031	2,467	0,173	1,006,691	24,794,894	2,4670	-	-	0,173
190	+	-	4,9650	0,306	3,719	2,207	23,206	1,010,410	24,818,100	2,2070	-	-	23,206
190	+	10,000	5,0000	0,234	2,700	1,940	20,735	1,013,110	24,838,835	1,9400	-	-	20,736
191	+	-	5,0000	2,136	11,850	1,190	15,650	1,024,960	24,854,485	1,1900	-	-	15,656
191	+	10,000	5,0000	4,950	35,430	0,661	9,255	1,060,390	24,863,740	0,6610	-	-	9,255
192	+	-	5,0000	5,420	51,850	0,428	5,445	1,112,240	24,869,185	0,4280	-	-	5,445
192	+	10,000	5,0000	2,011	37,155	0,334	3,810	1,149,395	24,872,995	0,3340	-	-	3,811
192	+	14,750	2,3750	2,183	9,961	0,225	1,328	1,159,356	24,874,323	0,2250	-	-	1,328
193	+	-	2,6250	2,359	11,923	0,113	0,887	1,171,279	24,875,210	0,1130	-	-	0,888
193	+	10,000	5,0000	2,233	22,960	0,086	0,995	1,194,239	24,876,205	0,0860	-	-	0,999
194	+	-	5,0000	0,850	15,415	0,823	4,545	1,209,654	24,880,750	0,8230	-	-	4,546
194	+	10,000	5,0000	0,019	4,345	2,199	15,110	1,213,999	24,895,860	2,1990	-	-	15,111
195	+	-	5,0000	0,002	0,105	3,942	30,705	1,214,104	24,926,565	3,9420	-	-	30,707
195	+	10,000	5,0000	-	0,010	4,892	44,170	1,214,114	24,970,735	4,8920	-	-	44,171
195	+	19,430	4,7150	-	-	6,307	52,803	1,214,114	25,023,538	6,3070	-	-	52,808
196	+	-	0,2850	-	-	6,358	3,610	1,214,114	25,027,148	6,3580	-	-	3,611
196	+	10,000	5,0000	-	-	7,189	67,735	1,214,114	25,094,883	7,1890	-	-	67,739
197	+	-	5,0000	-	-	8,621	79,050	1,214,114	25,173,933	8,6210	0,2910	1,455	77,599
197	+	10,000	5,0000	-	-	11,635	101,280	1,214,114	25,275,213	8,3300	3,3050	17,980	83,300
197	+	19,430	4,7150	-	-	13,773	119,799	1,214,114	25,395,012	8,3300	5,4430	41,247	78,555
198	+	-	0,2850	-	-	13,830	7,867	1,214,114	25,402,879	8,3300	5,5000	3,119	4,744
199	+	-	10,0000	-	-	14,007	278,370	1,214,114	25,681,249	8,3300	5,6770	111,770	166,600
199	+	13,230	6,6150	0,007	0,046	14,962	191,630	1,214,160	25,872,879	8,3300	6,6320	81,424	110,200
200	+	-	3,3850	-	0,024	17,309	109,237	1,214,184	25,982,116	8,3300	8,9790	52,843	56,399
201	+	-	10,0000	-	-	18,817	361,260	1,214,184	26,343,376	8,3300	10,4870	194,660	166,600
202	+	-	10,0000	-	-	22,381	411,980	1,214,184	26,755,356	8,3300	14,0510	245,380	166,600
203	+	-	10,0000	-	-	18,012	403,930	1,214,184	27,159,286	8,3300	9,6820	237,330	166,600
204	+	-	10,0000	-	-	10,144	281,560	1,214,184	27,440,846	8,3300	1,8140	114,960	166,600
204	+	3,760	1,8800	-	-	7,656	33,464	1,214,184	27,474,310	7,6560	-	3,410	30,055
204	+	10,000	3,1200	-	-	3,674	35,350	1,214,184	27,509,660	3,6740	-	-	35,355
205	+	-	5,0000	2,534	12,670	0,195	19,345	1,226,854	27,529,005	0,1950	-	-	19,345
205	+	10,000	5,0000	6,860	46,970	-	0,975	1,273,824	27,529,980	-	-	-	0,975
206	+	-	5,0000	10,093	84,765	-	-	1,358,589	27,529,980	-	-	-	-
206	+	3,760	1,8800	11,281	40,183	-	-	1,398,772	27,529,980	-	-	-	-
206	+	10,000	3,1200	14,667	80,958	-	-	1,479,730	27,529,980	-	-	-	-
207	+	-	5,0000	16,239	154,530	-	-	1,634,260	27,529,980	-	-	-	-
207	+	10,000	5,0000	18,346	172,925	-	-	1,807,185	27,529,980	-	-	-	-
208	+	-	5,0000	21,159	197,525	-	-	2,004,710	27,529,980	-	-	-	-
208	+	10,000	5,0000	24,420	227,895	-	-	2,232,605	27,529,980	-	-	-	-
208	+	13,980	1,9900	25,815	99,968	-	-	2,332,573	27,529,980	-	-	-	-
209	+	-	3,0100	27,199	159,572	-	-	2,492,145	27,529,980	-	-	-	-
209	+	10,000	5,0000	28,102	276,505	-	-	2,768,650	27,529,980	-	-	-	-
210	+	-	5,0000	29,048	285,750	-	-	3,054,400	27,529,980	-	-	-	-
210	+	10,000	5,0000	30,120	295,840	-	-	3,350,240	27,529,980	-	-	-	-
211	+	-	5,0000	31,830	309,750	-	-	3,659,990	27,529,980	-	-	-	-
211	+	4,200	2,1000	31,510	133,014	-	-	3,793,004	27,529,980	-	-	-	-
211	+	10,000	2,9000	33,602	188,825	-	-	3,981,829	27,529,980	-	-	-	-
212	+	-	5,0000	37,521	355,615	-	-	4,337,444	27,529,980	-	-	-	-
212	+	10,000	5,0000	40,240	388,805	-	-	4,726,249	27,529,980	-	-	-	-
213	+	-	5,0000	41,327	407,835	-	-	5,134,084	27,529,980	-	-	-	-
213	+	4,200	2,1000	41,688	174,332	-	-	5,308,416	27,529,980	-	-	-	-
214	+	-	7,9000	46,331	695,350	-	-	6,003,766	27,529,980	-	-	-	-
215	+	-	10,0000	51,209	975,400	-	-	6,979,166	27,529,980	-	-	-	-

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388





RODOVIA:		MT 388										
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)										
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL										
EXTENSÃO:		12,70 km										
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto												
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO				
216	+	-	10,0000	48,150	-	-	7.972,756	27.529,980	-	-	-	-
216	+	4,750	2,3750	47,289	-	-	8.199,424	27.529,980	-	-	-	-
216	+	10,000	2,6250	46,724	-	-	8.446,208	27.529,980	-	-	-	-
217	+	-	5,0000	45,748	-	-	8.908,568	27.529,980	-	-	-	-
217	+	10,000	5,0000	39,491	-	-	9.334,763	27.529,980	-	-	-	-
218	+	-	5,0000	33,044	-	-	9.697,438	27.529,980	-	-	-	-
218	+	4,750	2,3750	30,277	-	-	9.847,825	27.529,980	-	-	-	-
218	+	10,000	2,6250	28,640	-	-	10.002,482	27.529,980	-	-	-	-
219	+	-	5,0000	26,307	-	-	10.277,217	27.529,980	-	-	-	-
219	+	10,000	5,0000	23,851	-	-	10.528,007	27.529,980	-	-	-	-
220	+	-	5,0000	21,577	-	-	10.755,147	27.529,980	-	-	-	-
220	+	10,000	5,0000	19,250	-	-	10.959,282	27.529,980	-	-	-	-
220	+	13,930	1,9650	18,395	-	-	11.033,254	27.529,980	-	-	-	-
221	+	-	3,0350	17,492	-	-	11.142,171	27.529,980	-	-	-	-
221	+	10,000	5,0000	16,091	-	-	11.310,086	27.529,980	-	-	-	-
222	+	-	5,0000	14,737	-	-	11.464,226	27.529,980	-	-	-	-
222	+	10,000	5,0000	13,427	-	-	11.605,046	27.529,980	-	-	-	-
223	+	-	5,0000	12,261	-	-	11.733,486	27.529,980	-	-	-	-
223	+	3,110	1,5550	11,888	-	-	11.771,038	27.529,980	-	-	-	-
223	+	10,000	3,4450	11,432	-	-	11.851,375	27.529,980	-	-	-	-
224	+	-	5,0000	10,994	-	-	11.963,505	27.529,980	-	-	-	-
224	+	10,000	5,0000	10,651	-	-	12.071,730	27.529,980	-	-	-	-
225	+	-	5,0000	10,228	-	-	12.176,125	27.529,980	-	-	-	-
225	+	3,110	1,5550	9,783	-	-	12.207,242	27.529,980	-	-	-	-
226	+	-	8,4450	7,139	-	-	12.350,148	27.529,980	-	-	-	-
227	+	-	10,0000	5,771	-	-	12.479,248	27.529,980	-	-	-	-
228	+	-	10,0000	4,729	-	-	12.584,248	27.529,980	-	-	-	-
229	+	-	10,0000	5,735	-	-	12.688,888	27.529,980	-	-	-	-
230	+	-	10,0000	9,285	-	-	12.839,088	27.529,980	-	-	-	-
231	+	-	10,0000	5,556	-	-	12.987,498	27.529,980	-	-	-	-
231	+	12,480	6,2400	0,038	34,907	2,467	13.022,405	27.545,374	2,4670	-	-	15,394
232	+	-	3,7600	-	0,143	7,197	13.022,548	27.581,711	7,1970	-	-	36,337
232	+	10,000	5,0000	-	-	12,103	13.022,548	27.678,211	8,3300	3,7730	18,865	77,635
233	+	-	5,0000	-	-	13,032	125,675	13.022,548	27.803,886	8,3300	4,7020	42,375
233	+	10,000	5,0000	-	-	14,002	135,170	13.022,548	27.939,056	8,3300	5,6720	51,870
233	+	12,480	1,2400	-	-	14,240	35,020	13.022,548	27.974,076	8,3300	5,9100	14,362
234	+	-	3,7600	-	-	13,931	105,923	13.022,548	28.079,999	8,3300	5,6010	43,281
234	+	10,000	5,0000	-	-	13,048	134,895	13.022,548	28.214,894	8,3300	4,7180	51,595
235	+	-	5,0000	-	-	11,533	122,905	13.022,548	28.337,799	8,3300	3,2030	39,605
235	+	10,000	5,0000	-	-	10,276	109,045	13.022,548	28.446,844	8,3300	1,9460	25,745
236	+	-	5,0000	-	-	10,894	105,850	13.022,548	28.552,694	8,3300	2,5640	22,550
236	+	10,000	5,0000	-	-	10,707	108,005	13.022,548	28.660,699	8,3300	2,3770	24,705
237	+	-	5,0000	-	-	9,901	103,040	13.022,548	28.763,739	8,3300	1,5710	19,740
237	+	10,000	5,0000	-	-	11,235	105,680	13.022,548	28.869,419	8,3300	2,9050	22,380
238	+	-	5,0000	-	-	11,637	114,360	13.022,548	28.983,779	8,3300	3,3070	31,060
238	+	10,000	5,0000	-	-	11,962	117,995	13.022,548	29.101,774	8,3300	3,6320	34,695
239	+	-	5,0000	-	-	10,306	111,340	13.022,548	29.213,114	8,3300	1,9760	28,040
239	+	10,000	5,0000	-	-	8,628	94,670	13.022,548	29.307,784	8,3300	0,2980	11,370
240	+	-	5,0000	-	-	9,390	90,090	13.022,548	29.397,874	8,3300	1,0600	6,790
240	+	8,090	4,0450	-	-	10,352	79,856	13.022,548	29.477,730	8,3300	2,0220	12,467
240	+	10,000	0,9550	-	-	10,634	20,042	13.022,548	29.497,772	8,3300	2,3040	4,131
241	+	-	5,0000	-	-	10,977	108,055	13.022,548	29.605,827	8,3300	2,6470	24,755
241	+	10,000	5,0000	-	-	11,565	112,710	13.022,548	29.718,537	8,3300	3,2350	29,410
242	+	-	5,0000	-	-	11,910	117,375	13.022,548	29.835,912	8,3300	3,5800	34,075
242	+	10,000	5,0000	-	-	11,455	116,825	13.022,548	29.952,737	8,3300	3,1250	33,525
243	+	-	5,0000	-	-	11,498	114,765	13.022,548	30.067,502	8,3300	3,1680	31,465
243	+	10,000	5,0000	-	-	11,786	116,420	13.022,548	30.183,922	8,3300	3,4560	33,120
244	+	-	5,0000	-	-	11,712	117,490	13.022,548	30.301,412	8,3300	3,3820	34,190
244	+	10,000	5,0000	-	-	11,091	114,015	13.022,548	30.415,427	8,3300	2,7610	30,715
245	+	-	5,0000	-	-	10,697	108,940	13.022,548	30.524,367	8,3300	2,3670	25,640
245	+	10,000	5,0000	-	-	10,573	106,350	13.022,548	30.630,717	8,3300	2,2430	23,050
246	+	-	5,0000	-	-	9,351	99,620	13.022,548	30.730,337	8,3300	1,0210	16,320
246	+	10,000	5,0000	-	-	7,018	81,845	13.022,548	30.812,182	7,0180	-	5,105
247	+	-	5,0000	-	-	6,978	69,980	13.022,548	30.882,162	6,9780	-	-
247	+	3,700	1,8500	-	-	7,465	26,720	13.022,548	30.908,882	7,4650	-	26,720
247	+	10,000	3,1500	-	-	7,787	48,044	13.022,548	30.956,926	7,7870	-	48,044
248	+	-	5,0000	-	-	7,660	77,235	13.022,548	31.034,161	7,6600	-	77,235
248	+	10,000	5,0000	-	-	6,217	69,385	13.022,548	31.103,546	6,2170	-	69,385
249	+	-	5,0000	-	-	4,910	55,635	13.022,548	31.159,181	4,9100	-	55,635
249	+	3,700	1,8500	-	-	4,553	17,507	13.022,548	31.176,688	4,5530	-	17,507
250	+	-	8,1500	-	-	4,857	76,692	13.022,548	31.253,380	4,8570	-	76,692
251	+	-	10,0000	-	-	8,881	137,380	13.022,548	31.390,760	8,3300	0,5510	5,510
252	+	-	10,0000	-	-	9,967	188,480	13.022,548	31.579,240	8,3300	1,6370	21,880
253	+	-	10,0000	-	-	8,994	189,610	13.022,548	31.768,850	8,3300	0,6640	23,010
254	+	-	10,0000	-	-	7,356	163,500	13.022,548	31.932,350	7,3560	-	6,640
255	+	-	10,0000	-	-	4,646	120,020	13.022,548	32.052,370	4,6460	-	120,020
256	+	-	10,0000	-	-	2,672	73,180	13.022,548	32.125,550	2,6720	-	73,180
257	+	-	10,0000	0,375	3,750	1,361	40,330	13.026,298	32.165,880	1,3610	-	40,330
258	+	-	10,0000	0,397	7,720	1,324	26,850	13.034,018	32.192,730	1,3240	-	26,850
259	+	-	10,0000	0,368	7,650	0,072	13,960	13.041,668	32.206,690	0,0720	-	13,960
260	+	-	10,0000	0,073	4,410	1,023	10,950	13.046,078	32.217,640	1,0230	-	10,950

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RODOVIA:		MT 388										
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)										
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL										
EXTENSÃO:		12,70 km										
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto												
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO			100% PN	100% PI
260	+	12,960	6,4800	-	0,473	3,377	28,512	13,046,551	32,246,152	3,3770	-	28,512
261	+	-	3,5200	-	-	4,812	28,825	13,046,551	32,274,977	4,8120	-	28,825
261	+	10,000	5,0000	-	-	6,414	56,130	13,046,551	32,331,107	6,4140	-	56,130
262	+	-	5,0000	-	-	8,280	73,470	13,046,551	32,404,577	8,2800	-	73,470
262	+	10,000	5,0000	-	-	10,548	94,140	13,046,551	32,498,717	8,3300	2,2180	83,050
262	+	12,960	1,4800	-	-	11,178	32,154	13,046,551	32,530,871	8,3300	2,8480	24,657
263	+	-	3,5200	-	-	11,382	79,411	13,046,551	32,610,282	8,3300	3,0520	20,768
263	+	10,000	5,0000	-	-	11,416	113,990	13,046,551	32,724,272	8,3300	3,0860	30,690
264	+	-	5,0000	-	-	11,298	113,570	13,046,551	32,837,842	8,3300	2,9680	30,270
264	+	10,000	5,0000	-	-	11,089	111,935	13,046,551	32,949,777	8,3300	2,7590	28,635
264	+	16,710	3,3550	-	-	9,308	68,432	13,046,551	33,018,209	8,3300	0,9780	12,538
265	+	-	1,6450	-	-	8,234	28,857	13,046,551	33,047,066	8,2340	-	1,609
265	+	10,000	5,0000	0,069	0,345	5,506	68,700	13,046,896	33,115,766	5,5060	-	68,700
266	+	-	5,0000	0,544	3,065	1,655	35,805	13,049,961	33,151,571	1,6550	-	35,805
266	+	10,000	5,0000	1,685	11,145	1,938	17,965	13,061,106	33,169,536	1,9380	-	17,965
267	+	-	5,0000	0,548	11,165	4,570	32,540	13,072,271	33,202,076	4,5700	-	32,540
267	+	0,470	0,2350	0,482	0,242	4,762	2,193	13,072,513	33,204,269	4,7620	-	2,193
267	+	10,000	4,7650	-	2,297	8,790	64,575	13,074,810	33,268,844	8,3300	0,4600	2,192
268	+	-	5,0000	-	-	14,383	115,865	13,074,810	33,384,709	8,3300	6,0530	83,300
268	+	10,000	5,0000	-	-	18,859	166,210	13,074,810	33,550,919	8,3300	10,5290	82,910
269	+	-	5,0000	-	-	19,601	192,300	13,074,810	33,743,219	8,3300	11,2710	109,000
269	+	0,470	0,2350	-	-	19,552	9,201	13,074,810	33,752,420	8,3300	11,2220	5,286
270	+	-	9,7650	-	-	20,454	390,659	13,074,810	34,143,079	8,3300	12,1240	227,974
271	+	-	10,0000	-	-	21,525	419,790	13,074,810	34,562,869	8,3300	13,1950	253,190
272	+	-	10,0000	-	-	23,443	449,680	13,074,810	35,012,549	8,3300	15,1130	283,080
273	+	-	10,0000	-	-	23,667	471,100	13,074,810	35,483,649	8,3300	15,3370	304,500
274	+	-	10,0000	-	-	21,978	456,450	13,074,810	35,940,099	8,3300	13,6480	289,850
275	+	-	10,0000	-	-	23,788	457,660	13,074,810	36,397,759	8,3300	15,4580	291,060
276	+	-	10,0000	-	-	25,173	489,610	13,074,810	36,887,369	8,3300	16,8430	323,010
277	+	-	10,0000	-	-	23,983	491,560	13,074,810	37,378,929	8,3300	15,6530	324,960
278	+	-	10,0000	-	-	22,105	460,880	13,074,810	37,839,809	8,3300	13,7750	294,280
279	+	-	10,0000	-	-	19,924	420,290	13,074,810	38,260,099	8,3300	11,5940	253,690
280	+	-	10,0000	-	-	18,971	388,950	13,074,810	38,649,049	8,3300	10,6410	222,350
281	+	-	10,0000	-	-	19,212	381,830	13,074,810	39,030,879	8,3300	10,8820	215,230
282	+	-	10,0000	-	-	17,411	366,230	13,074,810	39,397,109	8,3300	9,0810	199,630
283	+	-	10,0000	-	-	13,839	321,500	13,074,810	39,709,609	8,3300	5,5090	145,900
284	+	-	10,0000	-	-	8,469	223,080	13,074,810	39,932,689	8,3300	0,1390	56,480
285	+	-	10,0000	0,631	6,310	1,849	103,180	13,081,120	40,035,869	1,8490	-	1,390
286	+	-	10,0000	0,146	7,770	2,902	47,510	13,088,890	40,083,379	2,9020	-	47,510
287	+	-	10,0000	-	1,460	8,590	114,920	13,090,350	40,198,299	8,3300	0,2600	2,600
288	+	-	10,0000	-	-	9,859	184,490	13,090,350	40,382,789	8,3300	1,5290	17,890
289	+	-	10,0000	-	-	7,263	171,220	13,090,350	40,554,009	7,2630	-	15,290
290	+	-	10,0000	-	-	6,577	138,400	13,090,350	40,692,409	6,5770	-	138,400
291	+	-	10,0000	-	-	5,409	119,860	13,090,350	40,812,269	5,4090	-	119,860
292	+	-	10,0000	-	-	4,677	100,860	13,090,350	40,913,129	4,6770	-	100,860
293	+	-	10,0000	-	-	3,767	84,440	13,090,350	40,997,569	3,7670	-	84,440
294	+	-	10,0000	-	-	3,580	73,470	13,090,350	41,071,039	3,5800	-	73,470
295	+	-	10,0000	0,001	0,010	3,142	67,220	13,090,360	41,138,259	3,1420	-	67,220
296	+	-	10,0000	-	0,010	4,277	74,190	13,090,370	41,212,449	4,2770	-	74,190
297	+	-	10,0000	-	-	4,327	86,040	13,090,370	41,298,489	4,3270	-	86,040
298	+	-	10,0000	-	-	4,159	84,860	13,090,370	41,383,349	4,1590	-	84,860
299	+	-	10,0000	-	-	6,402	105,610	13,090,370	41,488,959	6,4020	-	105,610
300	+	-	10,0000	-	-	5,866	122,680	13,090,370	41,611,639	5,8660	-	122,680
301	+	-	10,0000	-	-	6,072	119,380	13,090,370	41,731,019	6,0720	-	119,380
302	+	-	10,0000	-	-	2,078	81,500	13,090,370	41,812,519	2,0780	-	81,500
303	+	-	10,0000	1,886	18,860	-	20,780	13,109,230	41,833,299	-	-	20,780
304	+	-	10,0000	2,964	48,500	0,218	2,180	13,157,730	41,835,479	0,2180	-	2,180
305	+	-	10,0000	-	29,640	6,666	68,840	13,187,370	41,904,319	6,6660	-	68,840
306	+	-	10,0000	-	-	8,971	156,370	13,187,370	42,060,689	8,3300	0,6410	6,410
307	+	-	10,0000	-	-	9,480	184,510	13,187,370	42,245,199	8,3300	1,1500	17,910
308	+	-	10,0000	-	-	9,130	186,100	13,187,370	42,431,299	8,3300	0,8000	19,500
309	+	-	10,0000	-	-	8,850	179,800	13,187,370	42,611,099	8,3300	0,5200	13,200
310	+	-	10,0000	-	-	8,827	176,770	13,187,370	42,787,869	8,3300	0,4970	10,170
311	+	-	10,0000	-	-	8,864	176,910	13,187,370	42,964,779	8,3300	0,5340	10,310
312	+	-	10,0000	-	-	7,997	168,610	13,187,370	43,133,389	7,9970	-	5,340
313	+	-	10,0000	-	-	9,877	178,740	13,187,370	43,312,129	8,3300	1,5470	15,470
314	+	-	10,0000	-	-	10,839	207,160	13,187,370	43,519,289	8,3300	2,5090	40,560
315	+	-	10,0000	-	-	9,714	205,530	13,187,370	43,724,819	8,3300	1,3840	38,930
316	+	-	10,0000	-	-	13,166	228,800	13,187,370	43,953,619	8,3300	4,8360	62,200
317	+	-	10,0000	-	-	12,493	256,590	13,187,370	44,210,209	8,3300	4,1630	89,990
318	+	-	10,0000	-	-	11,551	240,440	13,187,370	44,450,649	8,3300	3,2210	73,840
319	+	-	10,0000	-	-	7,077	186,280	13,187,370	44,636,929	7,0770	-	32,210
320	+	-	10,0000	-	-	5,650	127,270	13,187,370	44,764,199	5,6500	-	127,270
321	+	-	10,0000	-	-	7,055	127,050	13,187,370	44,891,249	7,0550	-	127,050
322	+	-	10,0000	-	-	12,362	194,170	13,187,370	45,085,419	8,3300	4,0320	40,320
323	+	-	10,0000	-	-	11,706	240,680	13,187,370	45,326,099	8,3300	3,3760	74,080
324	+	-	10,0000	-	-	9,937	216,430	13,187,370	45,542,529	8,3300	1,6070	49,830
325	+	-	10,0000	-	-	11,605	215,420	13,187,370	45,757,949	8,3300	3,2750	48,820
326	+	-	10,0000	-	-	10,566	221,710	13,187,370	45,979,659	8,3300	2,2360	55,110
327	+	-	10,0000	-	-	9,901	204,670	13,187,370	46,184,329	8,3300	1,5710	38,070
328	+	-	10,0000	-	-	8,674	185,750	13,187,370	46,370,079	8,3300	0,3440	19,150
329	+	-	10,0000	-	-	8,322	169,960	13,187,370	46,540,039	8,3220	-	3,440
330	+	-	10,0000	-	-	8,828	171,500	13,187,370	46,711,539	8,3300	0,4980	4,980

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388





RODOVIA:		MT 388									
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)									
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JULIO) - ENTR. ROD. LINHA PONTAL									
EXTENSÃO:		12,70 km									
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO		
										100% PN	100% PI
331	+	-	10,000	-	-	9,496	183,240	13.187,370	46.894,779	8,3300	1,1660
332	+	-	10,000	-	-	9,521	190,170	13.187,370	47.084,949	8,3300	1,1910
333	+	-	10,000	-	-	9,957	194,780	13.187,370	47.279,729	8,3300	1,6270
334	+	-	10,000	-	-	9,124	190,810	13.187,370	47.470,539	8,3300	0,7940
335	+	-	10,000	-	-	8,361	174,850	13.187,370	47.645,389	8,3300	0,0310
336	+	-	10,000	-	-	4,828	131,890	13.187,370	47.777,279	4,8280	-
337	+	-	10,000	0,699	6,990	0,003	48,310	13.194,360	47.825,589	0,0030	-
338	+	-	10,000	0,332	10,310	0,174	1,770	13.204,670	47.827,359	0,1740	-
339	+	-	10,000	-	3,320	3,830	40,040	13.207,990	47.867,399	3,8300	-
339	+	17,640	8,820	-	-	7,398	99,031	13.207,990	47.966,430	7,3980	-
340	+	-	1,180	-	-	7,442	17,511	13.207,990	47.983,941	7,4420	-
340	+	10,000	5,000	-	-	7,797	76,195	13.207,990	48.060,136	7,7970	-
341	+	-	5,000	-	-	8,722	82,595	13.207,990	48.142,731	8,3300	0,3920
341	+	10,000	5,000	-	-	9,824	92,730	13.207,990	48.235,461	8,3300	1,4940
341	+	17,640	3,820	-	-	10,728	78,509	13.207,990	48.313,970	8,3300	2,3980
342	+	-	1,180	-	-	10,580	25,143	13.207,990	48.339,113	8,3300	2,2500
342	+	10,000	5,000	-	-	10,056	103,180	13.207,990	48.442,293	8,3300	1,7260
343	+	-	5,000	-	-	9,554	98,050	13.207,990	48.540,343	8,3300	1,2240
343	+	10,000	5,000	-	-	8,783	91,685	13.207,990	48.632,028	8,3300	0,4530
344	+	-	5,000	0,016	0,080	8,231	85,070	13.208,070	48.717,098	8,2310	-
344	+	10,000	5,000	0,105	0,605	7,880	80,555	13.208,675	48.797,653	7,8800	-
345	+	-	5,000	0,239	1,720	7,111	74,955	13.210,395	48.872,608	7,1110	-
345	+	10,000	5,000	0,372	3,055	6,368	67,395	13.213,450	48.940,003	6,3680	-
346	+	-	5,000	0,507	4,395	6,290	63,290	13.217,845	49.003,293	6,2900	-
346	+	2,590	1,2950	0,454	1,244	6,334	16,348	13.219,089	49.019,641	6,3340	-
346	+	10,000	3,7050	0,550	3,720	5,871	45,220	13.222,809	49.064,861	5,8710	-
347	+	-	5,000	0,768	6,590	6,525	61,980	13.229,399	49.126,841	6,5250	-
347	+	10,000	5,000	1,216	9,920	5,931	62,280	13.239,319	49.189,121	5,9310	-
348	+	-	5,000	1,025	11,205	6,394	61,625	13.250,524	49.250,746	6,3940	-
348	+	10,000	5,000	1,525	12,750	6,330	63,620	13.263,274	49.314,366	6,3300	-
349	+	-	5,000	1,212	13,685	7,142	67,360	13.276,959	49.381,726	7,1420	-
349	+	10,000	5,000	1,023	11,175	5,980	65,610	13.288,134	49.447,336	5,9800	-
350	+	-	5,000	0,790	9,065	6,708	63,440	13.297,199	49.510,776	6,7080	-
350	+	7,540	3,7700	0,591	5,206	5,586	46,348	13.302,405	49.557,124	5,5860	-
350	+	10,000	1,2300	0,497	1,338	5,258	13,338	13.303,743	49.570,462	5,2580	-
351	+	-	5,000	0,332	4,145	4,633	49,455	13.307,888	49.619,917	4,6330	-
351	+	10,000	5,000	0,114	2,230	3,540	40,865	13.310,118	49.660,782	3,5400	-
352	+	-	5,000	0,010	0,620	2,555	30,475	13.310,738	49.691,257	2,5550	-
352	+	7,540	3,7700	0,031	0,155	3,073	21,218	13.310,893	49.712,475	3,0730	-
353	+	-	6,2300	0,120	0,941	3,899	43,436	13.311,834	49.755,911	3,8990	-
354	+	-	10,000	0,088	2,080	3,471	73,700	13.313,914	49.829,611	3,4710	-
355	+	-	10,000	0,157	2,450	2,709	61,800	13.316,364	49.891,411	2,7090	-
356	+	-	10,000	-	1,570	4,723	74,320	13.317,934	49.965,731	4,7230	-
357	+	-	10,000	0,001	0,010	4,682	94,050	13.317,944	50.059,781	4,6820	-
358	+	-	10,000	-	0,010	6,033	107,150	13.317,954	50.166,931	6,0330	-
359	+	-	10,000	-	-	5,591	116,240	13.317,954	50.283,171	5,5910	-
360	+	-	10,000	-	-	5,166	107,570	13.317,954	50.390,741	5,1660	-
361	+	-	10,000	-	-	3,312	84,780	13.317,954	50.475,521	3,3120	-
362	+	-	10,000	-	-	5,609	89,210	13.317,954	50.564,731	5,6090	-
363	+	-	10,000	-	-	10,559	161,680	13.317,954	50.726,411	8,3300	2,2290
364	+	-	10,000	-	-	12,421	229,800	13.317,954	50.956,211	8,3300	4,0910
365	+	-	10,000	-	-	11,484	239,050	13.317,954	51.195,261	8,3300	3,1540
366	+	-	10,000	-	-	11,242	227,260	13.317,954	51.422,521	8,3300	2,9120
367	+	-	10,000	-	-	8,546	197,880	13.317,954	51.620,401	8,3300	0,2160
368	+	-	10,000	-	-	5,466	140,120	13.317,954	51.760,521	5,4660	-
369	+	-	10,000	-	-	5,649	111,150	13.317,954	51.871,671	5,6490	-
370	+	-	10,000	-	-	7,457	131,060	13.317,954	52.002,731	7,4570	-
371	+	-	10,000	-	-	6,260	137,170	13.317,954	52.139,901	6,2600	-
372	+	-	10,000	-	-	4,865	111,250	13.317,954	52.251,151	4,8650	-
373	+	-	10,000	-	-	5,859	107,240	13.317,954	52.358,391	5,8590	-
374	+	-	10,000	-	-	5,916	117,750	13.317,954	52.476,141	5,9160	-
375	+	-	10,000	-	-	5,169	110,850	13.317,954	52.586,991	5,1690	-
376	+	-	10,000	-	-	4,726	98,950	13.317,954	52.685,941	4,7260	-
377	+	-	10,000	-	-	4,577	93,030	13.317,954	52.778,971	4,5770	-
378	+	-	10,000	-	-	4,778	93,550	13.317,954	52.872,521	4,7780	-
379	+	-	10,000	-	-	1,902	66,800	13.317,954	52.939,321	1,9020	-
380	+	-	10,000	2,480	24,800	-	19,020	13.342,754	52.958,341	-	-
381	+	-	10,000	4,181	66,610	-	-	13.409,364	52.958,341	-	-
382	+	-	10,000	0,253	44,340	1,194	11,940	13.453,704	52.970,281	1,1940	-
383	+	-	10,000	-	2,530	4,572	57,660	13.456,234	53.027,941	4,5720	-
384	+	-	10,000	-	-	3,743	83,150	13.456,234	53.111,091	3,7430	-
385	+	-	10,000	0,070	0,700	3,199	69,420	13.456,934	53.180,511	3,1990	-
386	+	-	10,000	0,032	1,020	3,701	69,000	13.457,954	53.249,511	3,7010	-
387	+	-	10,000	0,134	1,660	3,908	76,090	13.459,614	53.325,601	3,9080	-
388	+	-	10,000	0,142	2,760	4,165	80,730	13.462,374	53.406,331	4,1650	-
389	+	-	10,000	0,151	2,930	4,655	88,200	13.465,304	53.494,531	4,6550	-
390	+	-	10,000	0,099	2,500	2,896	75,510	13.467,804	53.570,041	2,8960	-
391	+	-	10,000	0,024	1,230	3,539	64,350	13.469,034	53.634,391	3,5390	-
392	+	-	10,000	-	0,240	3,806	73,450	13.469,274	53.707,841	3,8060	-
393	+	-	10,000	0,009	0,090	1,999	58,050	13.469,364	53.765,891	1,9990	-
394	+	-	10,000	1,027	10,360	-	19,990	13.479,724	53.785,881	-	-
395	+	-	10,000	5,873	69,000	-	-	13.548,724	53.785,881	-	-
396	+	-	10,000	6,231	111,940	-	-	13.660,664	53.785,881	-	-

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-388





RODOVIA:		MT 388										
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)										
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL										
EXTENSÃO:		12,70 km										
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto												
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO		100% PN	100% PI	
397	+	-	10,0000	-	53,210	2,865	28,650	13.713,874	53.814,531	2,8650	-	28,650
398	+	-	10,0000	-	-	4,964	78,290	13.713,874	53.892,821	4,9640	-	78,290
399	+	-	10,0000	-	-	6,183	111,470	13.713,874	54.004,291	6,1830	-	111,470
400	+	-	10,0000	-	-	6,992	131,750	13.713,874	54.136,041	6,9920	-	131,750
401	+	-	10,0000	-	-	7,854	148,460	13.713,874	54.284,501	7,8540	-	148,460
402	+	-	10,0000	-	-	7,865	157,190	13.713,874	54.441,691	7,8650	-	157,190
403	+	-	10,0000	-	-	8,414	166,790	13.713,874	54.604,481	8,3300	0,0840	161,950
404	+	-	10,0000	-	-	8,213	162,720	13.713,874	54.770,751	8,2130	-	165,430
405	+	-	10,0000	-	-	7,665	158,780	13.713,874	54.929,531	7,6650	-	158,780
406	+	-	10,0000	-	-	8,487	161,520	13.713,874	55.091,051	8,3300	0,1570	157,950
407	+	-	10,0000	-	-	7,471	159,580	13.713,874	55.250,631	7,4710	-	158,010
408	+	-	10,0000	-	-	6,822	142,930	13.713,874	55.399,561	6,8220	-	142,930
409	+	-	10,0000	-	-	5,100	119,220	13.713,874	55.512,781	5,1000	-	119,220
410	+	-	10,0000	0,436	4,360	0,424	55,240	13.718,234	55.568,021	0,4240	-	55,240
411	+	-	10,0000	3,133	35,690	-	4,240	13.753,924	55.572,261	-	-	4,240
412	+	-	10,0000	-	31,330	5,392	53,920	13.785,254	55.626,181	5,3920	-	53,920
413	+	-	10,0000	-	-	8,313	137,050	13.785,254	55.763,231	8,3130	-	137,050
414	+	-	10,0000	-	-	8,603	169,160	13.785,254	55.932,391	8,3300	0,2730	2,730
415	+	-	10,0000	-	-	8,474	170,770	13.785,254	56.103,161	8,3300	0,1440	4,170
416	+	-	10,0000	-	-	7,718	161,920	13.785,254	56.265,081	7,7180	-	1,440
417	+	-	10,0000	-	-	7,383	151,010	13.785,254	56.416,091	7,3830	-	151,010
418	+	-	10,0000	-	-	7,448	148,310	13.785,254	56.564,401	7,4480	-	148,310
419	+	-	10,0000	-	-	7,486	149,340	13.785,254	56.713,741	7,4860	-	149,340
420	+	-	10,0000	-	-	7,960	154,460	13.785,254	56.868,201	7,9600	-	154,460
421	+	-	10,0000	-	-	7,278	152,380	13.785,254	57.020,581	7,2780	-	152,380
422	+	-	10,0000	-	-	5,431	127,090	13.785,254	57.147,671	5,4310	-	127,090
423	+	-	10,0000	-	-	6,519	119,500	13.785,254	57.267,171	6,5190	-	119,500
424	+	-	10,0000	-	-	6,071	125,900	13.785,254	57.393,071	6,0710	-	125,900
425	+	-	10,0000	-	-	5,061	111,320	13.785,254	57.504,391	5,0610	-	111,320
426	+	-	10,0000	-	-	5,695	107,560	13.785,254	57.611,951	5,6950	-	107,560
427	+	-	10,0000	-	-	4,741	104,360	13.785,254	57.716,311	4,7410	-	104,360
428	+	-	10,0000	-	-	3,139	78,800	13.785,254	57.795,111	3,1390	-	78,800
429	+	-	10,0000	0,856	8,560	0,002	31,410	13.793,814	57.826,521	0,0020	-	31,410
430	+	-	10,0000	2,147	30,030	-	0,020	13.823,844	57.826,541	-	-	0,020
431	+	-	10,0000	-	21,470	3,227	32,270	13.845,314	57.858,811	3,2270	-	32,270
432	+	-	10,0000	-	-	10,119	133,460	13.845,314	57.992,271	8,3300	1,7890	115,570
433	+	-	10,0000	-	-	9,605	197,240	13.845,314	58.189,511	8,3300	1,2750	30,640
434	+	-	10,0000	-	-	10,468	200,730	13.845,314	58.390,241	8,3300	2,1380	34,130
435	+	-	10,0000	-	-	12,154	226,220	13.845,314	58.616,461	8,3300	3,8240	59,620
436	+	-	10,0000	-	-	11,108	232,620	13.845,314	58.849,081	8,3300	2,7780	66,020
437	+	-	10,0000	-	-	11,294	224,020	13.845,314	59.073,101	8,3300	2,9640	57,420
438	+	-	10,0000	-	-	9,347	206,410	13.845,314	59.279,511	8,3300	1,0170	39,810
439	+	-	10,0000	-	-	10,119	194,660	13.845,314	59.474,171	8,3300	1,7890	28,060
440	+	-	10,0000	-	-	12,001	221,200	13.845,314	59.695,371	8,3300	3,6710	54,600
441	+	-	10,0000	-	-	11,060	230,610	13.845,314	59.925,981	8,3300	2,7300	64,010
442	+	-	10,0000	-	-	10,870	219,300	13.845,314	60.145,281	8,3300	2,5400	52,700
443	+	-	10,0000	-	-	8,184	190,540	13.845,314	60.335,821	8,1840	-	25,400
444	+	-	10,0000	-	-	5,114	132,980	13.845,314	60.468,801	5,1140	-	132,980
445	+	-	10,0000	-	-	2,357	74,710	13.845,314	60.543,511	2,3570	-	74,710
446	+	-	10,0000	-	-	5,463	78,200	13.845,314	60.621,711	5,4630	-	78,200
447	+	-	10,0000	-	-	8,961	144,240	13.845,314	60.765,951	8,3300	0,6310	6,310
448	+	-	10,0000	-	-	9,899	188,600	13.845,314	60.954,551	8,3300	1,5690	22,000
449	+	-	10,0000	-	-	9,625	195,240	13.845,314	61.149,791	8,3300	1,2950	28,640
450	+	-	10,0000	-	-	7,937	175,620	13.845,314	61.325,411	7,9370	-	12,950
451	+	-	10,0000	-	-	8,076	160,130	13.845,314	61.485,541	8,0760	-	162,670
452	+	-	10,0000	-	-	8,044	161,200	13.845,314	61.646,741	8,0440	-	160,130
453	+	-	10,0000	-	-	8,401	164,450	13.845,314	61.811,191	8,3300	0,0710	163,740
454	+	-	10,0000	-	-	5,812	142,130	13.845,314	61.953,321	5,8120	-	0,710
455	+	-	10,0000	-	-	5,430	112,420	13.845,314	62.065,741	5,4300	-	112,420
456	+	-	10,0000	-	-	3,915	93,450	13.845,314	62.159,191	3,9150	-	93,450
457	+	-	10,0000	0,024	0,240	3,458	73,730	13.845,554	62.232,921	3,4580	-	73,730
458	+	-	10,0000	0,193	2,170	0,525	39,830	13.847,724	62.272,751	0,5250	-	39,830
459	+	-	10,0000	4,534	47,270	0,029	5,540	13.894,994	62.278,291	0,0290	-	5,540
460	+	-	10,0000	6,911	114,450	0,178	2,070	14.009,444	62.280,361	0,1780	-	2,070
461	+	-	10,0000	4,296	112,070	-	1,780	14.121,514	62.282,141	-	-	1,780
462	+	-	10,0000	0,024	43,200	0,839	8,390	14.164,714	62.290,531	0,8390	-	8,390
463	+	-	10,0000	0,493	5,170	0,255	10,940	14.169,884	62.301,471	0,2550	-	10,940
464	+	-	10,0000	0,217	7,100	0,461	7,160	14.176,984	62.308,631	0,4610	-	7,160
465	+	-	10,0000	0,113	3,300	0,728	11,890	14.180,284	62.320,521	0,7280	-	11,890
466	+	-	10,0000	0,115	2,280	1,035	17,630	14.182,564	62.338,151	1,0350	-	17,630
467	+	-	10,0000	0,395	5,100	0,277	13,120	14.187,664	62.351,271	0,2770	-	13,120
468	+	-	10,0000	0,425	8,200	0,819	10,960	14.195,864	62.362,231	0,8190	-	10,960
469	+	-	10,0000	0,186	6,110	1,477	22,960	14.201,974	62.385,191	1,4770	-	22,960
470	+	-	10,0000	0,194	3,800	2,132	36,090	14.205,774	62.421,281	2,1320	-	36,090
471	+	-	10,0000	0,003	1,970	2,659	47,910	14.207,744	62.469,191	2,6590	-	47,910
472	+	-	10,0000	0,008	0,110	3,260	59,190	14.207,854	62.528,381	3,2600	-	59,190
473	+	-	10,0000	0,041	0,490	3,422	66,820	14.208,344	62.595,201	3,4220	-	66,820
474	+	-	10,0000	0,009	0,500	3,973	73,950	14.208,844	62.669,151	3,9730	-	73,950
475	+	-	10,0000	-	0,090	4,948	89,210	14.208,934	62.758,361	4,9480	-	89,210
476	+	-	10,0000	-	-	4,192	91,400	14.208,934	62.849,761	4,1920	-	91,400

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RODOVIA:		MT 388									
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)									
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL									
EXTENSÃO:		12,70 km									
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO		
										100% PN	100% PI
561	+	-	10,0000	-	-	3,930	72,110	14.515,834	71.793,581	3,9300	-
562	+	-	10,0000	-	-	3,979	79,090	14.515,834	71.872,671	3,9790	-
563	+	-	10,0000	-	-	3,762	77,410	14.515,834	71.950,081	3,7620	-
564	+	-	10,0000	0,019	0,190	3,349	71,110	14.516,024	72.021,191	3,3490	-
565	+	-	10,0000	0,046	0,650	3,227	65,760	14.516,674	72.086,951	3,2270	-
566	+	-	10,0000	0,082	1,280	3,006	62,330	14.517,954	72.149,281	3,0060	-
567	+	-	10,0000	0,154	2,360	2,404	54,100	14.520,314	72.203,381	2,4040	-
568	+	-	10,0000	0,165	3,190	1,196	36,000	14.523,504	72.239,381	1,1960	-
569	+	-	10,0000	0,293	4,580	0,785	19,810	14.528,084	72.259,191	0,7850	-
570	+	-	10,0000	0,494	7,870	0,624	14,090	14.535,954	72.273,281	0,6240	-
571	+	-	10,0000	0,545	10,390	0,621	12,450	14.546,344	72.285,731	0,6210	-
572	+	-	10,0000	0,710	12,550	0,550	11,710	14.558,894	72.297,441	0,5500	-
573	+	-	10,0000	0,521	12,310	0,503	10,530	14.571,204	72.307,971	0,5030	-
574	+	-	10,0000	1,428	19,490	0,219	7,220	14.590,694	72.315,191	0,2190	-
575	+	-	10,0000	4,718	61,460	-	2,190	14.652,154	72.317,381	-	-
576	+	-	10,0000	8,378	130,960	-	-	14.783,114	72.317,381	-	-
577	+	-	10,0000	9,997	183,750	-	-	14.966,864	72.317,381	-	-
578	+	-	10,0000	5,138	151,350	-	-	15.118,214	72.317,381	-	-
579	+	-	10,0000	2,130	72,680	0,005	0,050	15.190,894	72.317,431	0,0050	-
580	+	-	10,0000	0,912	30,420	0,274	2,790	15.221,314	72.320,221	0,2740	-
581	+	-	10,0000	0,767	16,790	0,336	6,100	15.238,104	72.326,321	0,3360	-
582	+	-	10,0000	0,571	13,380	0,688	10,240	15.251,484	72.336,561	0,6880	-
583	+	-	10,0000	0,588	11,590	0,864	15,520	15.263,074	72.352,081	0,8640	-
584	+	-	10,0000	0,445	10,330	1,283	21,470	15.273,404	72.373,551	1,2830	-
585	+	-	10,0000	0,288	7,330	1,720	30,030	15.280,734	72.403,581	1,7200	-
586	+	-	10,0000	0,059	3,470	2,222	39,420	15.284,204	72.443,001	2,2220	-
587	+	-	10,0000	0,141	2,000	2,284	45,060	15.286,204	72.488,061	2,2840	-
588	+	-	10,0000	0,101	2,420	2,827	51,110	15.288,624	72.539,171	2,8270	-
589	+	-	10,0000	0,094	1,950	2,998	58,250	15.290,574	72.597,421	2,9980	-
590	+	-	10,0000	0,012	1,060	3,614	66,120	15.291,634	72.663,541	3,6140	-
591	+	-	10,0000	-	0,120	4,121	77,350	15.291,754	72.740,891	4,1210	-
592	+	-	10,0000	-	-	4,091	82,120	15.291,754	72.823,011	4,0910	-
593	+	-	10,0000	-	-	3,439	75,300	15.291,754	72.898,311	3,4390	-
594	+	-	10,0000	0,083	0,830	1,485	49,240	15.292,584	72.947,551	1,4850	-
595	+	-	10,0000	2,576	26,590	0,021	15,060	15.319,174	72.962,611	0,0210	-
596	+	-	10,0000	1,784	43,600	-	0,210	15.362,774	72.962,821	-	-
597	+	-	10,0000	0,072	18,560	2,426	24,260	15.381,334	72.987,081	2,4260	-
598	+	-	10,0000	-	0,720	7,148	95,740	15.382,054	73.082,821	7,1480	-
599	+	-	10,0000	-	-	8,571	157,190	15.382,054	73.240,011	8,3300	0,2410
600	+	-	10,0000	-	-	8,260	168,310	15.382,054	73.408,321	8,2600	-
601	+	-	10,0000	-	-	8,549	168,090	15.382,054	73.576,411	8,3300	0,2190
602	+	-	10,0000	-	-	8,972	175,210	15.382,054	73.751,621	8,3300	0,6420
603	+	-	10,0000	-	-	8,041	170,130	15.382,054	73.921,751	8,0410	-
604	+	-	10,0000	-	-	7,387	154,280	15.382,054	74.076,031	7,3870	-
605	+	-	10,0000	-	-	8,808	161,950	15.382,054	74.237,981	8,3300	0,4780
606	+	-	10,0000	-	-	8,832	176,400	15.382,054	74.414,381	8,3300	0,5020
607	+	-	10,0000	-	-	9,603	184,350	15.382,054	74.598,731	8,3300	1,2730
608	+	-	10,0000	-	-	9,297	189,000	15.382,054	74.787,731	8,3300	0,9670
609	+	-	10,0000	-	-	5,595	148,920	15.382,054	74.936,651	5,5950	-
610	+	-	10,0000	0,019	0,190	4,056	96,510	15.382,244	75.033,161	4,0560	-
611	+	-	10,0000	-	0,190	3,741	77,970	15.382,434	75.111,131	3,7410	-
612	+	-	10,0000	0,017	0,170	3,375	71,160	15.382,604	75.182,291	3,3750	-
613	+	-	10,0000	-	0,170	4,961	83,360	15.382,774	75.265,651	4,9610	-
614	+	-	10,0000	-	-	4,317	92,780	15.382,774	75.358,431	4,3170	-
615	+	-	10,0000	-	-	3,652	79,690	15.382,774	75.438,121	3,6520	-
616	+	-	10,0000	-	-	3,490	71,420	15.382,774	75.509,541	3,4900	-
617	+	-	10,0000	-	-	2,545	60,350	15.382,774	75.569,891	2,5450	-
618	+	-	10,0000	0,052	0,520	1,272	38,170	15.383,294	75.608,061	1,2720	-
619	+	-	10,0000	-	0,520	1,650	29,220	15.383,814	75.637,281	1,6500	-
620	+	-	10,0000	0,114	1,140	1,656	33,060	15.384,954	75.670,341	1,6560	-
621	+	-	10,0000	0,131	2,450	1,861	35,170	15.387,404	75.705,511	1,8610	-
622	+	-	10,0000	0,038	1,690	3,198	50,590	15.389,094	75.756,101	3,1980	-
623	+	-	10,0000	-	0,380	6,027	92,250	15.389,474	75.848,351	6,0270	-
624	+	-	10,0000	-	-	7,745	137,720	15.389,474	75.986,071	7,7450	-
625	+	-	10,0000	-	-	7,494	152,390	15.389,474	76.138,461	7,4940	-
626	+	-	10,0000	-	-	7,958	154,520	15.389,474	76.292,981	7,9580	-
627	+	-	10,0000	-	-	6,511	144,690	15.389,474	76.437,671	6,5110	-
628	+	-	10,0000	-	-	7,196	137,070	15.389,474	76.574,741	7,1960	-
629	+	-	10,0000	-	-	6,316	135,120	15.389,474	76.709,861	6,3160	-
630	+	-	10,0000	-	-	6,996	133,120	15.389,474	76.842,981	6,9960	-
631	+	-	10,0000	-	-	7,380	143,760	15.389,474	76.986,741	7,3800	-
632	+	-	10,0000	-	-	6,839	142,190	15.389,474	77.128,931	6,8390	-
633	+	-	10,0000	-	-	7,333	141,720	15.389,474	77.270,651	7,3330	-
634	+	-	10,0000	-	-	6,303	136,360	15.389,474	77.407,011	6,3030	-
635	+	-	10,0000	-	-	6,028	123,310	15.389,474	77.530,321	6,0280	-
Volume de aterro compactado 100% proctor normal								9.839,321		9.839,321	
Volume de aterro compactado 100% proctor intermediário								67.691,001		67.691,001	

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5.2. Calculo dos Volumes da Interseção



SINFRACAP202650475A



RODOVIA: MT 388 TRECHO: CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO) SUBTRECHO: ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL EXTENSÃO: 12,70 km									
Ramo 01 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto									
ESTACA	SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
0 +	-	-	1,862	-	-	-	-	-	-
0	+ 10,000	5,000	1,970	19,160	-	19,160	-	-	-
1	+ 3,970	1,985	1,946	7,892	-	39,160	-	-	-
1	+ 10,000	3,015	1,750	11,143	-	47,052	-	-	-
2	+ 7,940	5,000	0,617	11,835	-	58,195	-	-	-
2	+ 10,000	1,030	0,064	0,186	-	70,030	-	-	-
3	+ 7,140	5,000	0,003	0,335	0,030	72,944	-	-	-
3	+ 10,000	3,570	0,252	0,910	0,107	73,130	0,150	-	0,150
3	+ 10,000	1,430	0,278	0,758	-	73,465	0,257	-	0,107
4	+ 6,340	5,000	0,366	3,220	-	75,133	0,257	-	-
4	+ 10,000	3,170	0,421	2,495	-	78,353	0,257	-	-
4	+ 10,000	1,830	0,535	1,749	-	80,848	0,257	-	-
5	+ 10,000	5,000	1,703	11,190	-	82,597	0,257	-	-
5	+ 10,000	5,000	2,030	18,665	-	93,787	0,257	-	-
5	+ 10,310	0,155	2,040	0,631	-	112,452	0,257	-	-
6	+ 10,000	4,845	2,125	20,179	-	113,083	0,257	-	-
6	+ 10,000	5,000	1,976	20,505	-	133,262	0,257	-	-
6	+ 14,280	2,140	2,017	8,545	-	153,767	0,257	-	-
Volume de aterro compactado 100% proctor normal							-	-	0,257
Volume de aterro compactado 100% proctor intermediário							0,257	-	-

RODOVIA: MT 388 TRECHO: CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO) SUBTRECHO: ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL EXTENSÃO: 12,70 km									
Ramo 02 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto									
ESTACA	SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
0	+ 7,500	3,750	0,414	5,753	0,195	0,731	5,753	-	0,731
0	+ 10,000	1,250	0,199	0,766	0,293	0,610	6,519	-	0,610
0	+ 11,640	0,820	0,099	0,244	0,390	0,560	6,763	-	0,560
1	+ 10,000	5,000	-	-	4,565	30,585	7,177	3,200	27,385
2	+ 5,110	2,555	-	-	4,260	44,125	7,177	4,875	39,250
2	+ 10,000	2,445	-	-	10,482	37,666	7,177	17,609	20,057
3	+ 10,000	5,000	-	-	3,809	34,941	7,177	16,032	18,909
3	+ 10,000	5,000	-	-	6,541	51,750	7,177	13,080	38,670
3	+ 18,580	4,290	-	-	4,735	56,380	7,177	17,130	39,250
4	+ 8,400	4,200	-	-	2,489	30,991	7,177	3,475	27,516
4	+ 8,400	4,200	-	-	2,328	3,420	7,177	-	3,420
4	+ 8,400	4,200	-	-	1,504	16,094	7,177	315,971	16,094
Volume de aterro compactado 100% proctor normal							75,401	75,401	240,570
Volume de aterro compactado 100% proctor intermediário							240,570	-	-

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RODOVIA:	MT 388												
TRECHO:	CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)												
SUBTRECHO:	ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL												
EXTENSÃO:	12,70 km												
Ramo 03 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto													
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO			100% PN	100% PI
0	+	-	-	-	-	2,486	-	-	-	2,4860	-	-	-
0	+	0,920	0,460	-	-	2,533	2,309	-	2,309	2,5330	-	-	2,30
0	+	10,000	4,540	-	-	3,380	26,845	-	29,154	3,3800	-	-	26,84
1	+	-	5,000	-	-	5,805	45,925	-	75,079	3,9250	1,8800	9,400	36,52
1	+	10,000	5,000	-	-	7,786	67,955	-	143,034	3,9250	3,8610	28,705	39,25
2	+	-	5,000	-	-	3,095	54,405	-	197,439	3,0950	-	19,305	35,10
2	+	5,540	2,770	-	-	2,492	15,476	-	212,915	2,4920	-	-	15,47
2	+	10,000	2,230	-	-	2,905	12,035	-	224,950	2,9050	-	-	12,03
3	+	-	5,000	-	-	4,862	38,835	-	263,785	3,9250	0,9370	4,685	34,15
3	+	10,000	5,000	-	-	1,865	33,635	-	297,420	1,8650	-	4,685	28,95
4	+	-	5,000	0,580	2,90	0,130	9,975	2,900	307,395	0,1300	-	-	9,97
4	+	10,000	5,000	1,296	9,38	-	0,650	12,280	308,045	-	-	-	0,65
4	+	10,160	0,080	1,306	0,21	-	-	12,488	308,045	-	-	-	-
4	+	12,900	1,370	1,467	3,80	-	-	16,287	308,045	-	-	-	-
Volume de aterro compactado 100% proctor normal									66,780			66,780	241,26
Volume de aterro compactado 100% proctor intermediário									241,265				

RODOVIA:		MT 388									
TRECHO:		CAMPOS DE JULIO - RIO JURUENA(DIV. SAPEZAL/CAMPOS DE JÚLIO)									
SUBTRECHO:		ENTR. MT-235(B)(INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL									
EXTENSÃO:		12,70 km									
Rotula - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
0	+	-	-	6,333	-	-	-	-	-	-	-
0	+	10,000	5,000	4,892	56,125	-	-	56,125	-	-	-
1	+	-	5,000	3,111	40,015	-	-	96,140	-	-	-
1	+	10,000	5,000	1,524	23,175	0,039	0,195	119,315	0,195	-	0,195
2	+	-	5,000	1,772	16,480	-	0,195	135,795	0,390	-	0,195
2	+	1,550	0,775	2,210	3,086	-	-	138,881	0,390	-	-
2	+	10,000	4,225	3,401	23,706	-	-	162,587	0,390	-	-
3	+	-	5,000	3,887	36,440	-	-	199,027	0,390	-	-
3	+	10,000	5,000	4,393	41,400	-	-	240,427	0,390	-	-
4	+	-	5,000	4,588	44,905	-	-	285,332	0,390	-	-
4	+	3,100	1,550	5,003	14,866	-	-	300,198	0,390	-	-
4	+	10,000	3,450	4,219	31,816	-	-	332,014	0,390	-	-
5	+	-	5,000	0,000	21,095	6,085	30,425	353,109	30,815	-	30,425
5	+	10,000	5,000	0,000	-	11,076	85,805	353,109	116,620	18,825	66,980
6	+	-	5,000	0,000	-	8,070	95,730	353,109	212,350	3,795	91,935
6	+	7,940	3,970	0,000	-	5,950	55,659	353,109	268,009	-	55,659
6	+	10,000	1,030	0,000	-	6,847	13,181	353,109	281,190	-	13,181
7	+	-	5,000	0,000	-	7,983	74,150	353,109	355,340	22,185	51,965
7	+	10,000	5,000	0,010	0,050	6,256	71,195	353,159	426,535	3,795	67,400
8	+	-	5,000	0,608	3,090	1,542	38,990	356,249	465,525	-	38,990
8	+	10,000	5,000	5,653	31,305	-	7,710	387,554	473,235	-	7,710
8	+	12,790	1,395	6,333	16,720	-	-	404,274	473,235	0,937	0,937
Volume de aterro compactado 100% proctor normal									49,537	49,537	423,698
Volume de aterro compactado 100% proctor intermediário									423,698		

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6 – DISTRIBUIÇÃO DE TERRAPLENAGEM



Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388

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Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
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ORIGEM DO MATERIAL ESCAVADO										DESTINO DO MATERIAL ESCAVADO									
LOCALIZAÇÃO					E S C A V A Ç Ã O					VOLUME ESCAVADO (m³)					LOCALIZAÇÃO				
EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	DIST. EIXO "x" (m)	TIPO	Nº	LADO	1ª CATEG.	2ª CATEG.	3ª CATEG.	TOTAL	VOLUME COMPACTADO TOTAL (m³)	VOLUME ACUMULADO (m³)	DISTÂNCIA MÉDIA DE TRANSP. (km)	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	Nº
EST. FRAC.	EST. FRAC.	EST. FRAC.	EST. FRAC.												EST. FRAC.	EST. FRAC.	EST. FRAC.	EST. FRAC.	
384 + 0,00	393 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-22	LD	13.130			13.130	10.504	54.678,048	0,130	390 + 0,00	394 + 0,00	390 + 0,00	394 + 0,00	AA-41
373 + 0,00	398 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-6 LD	LD	256,670			256,670	205,336	54.883,384	0,300	390 + 0,00	394 + 0,00	390 + 0,00	394 + 0,00	AA-41
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	1.182,952			1.182,952	946,362	55.829,746	0,300	396 + 0,00	405 + 0,00	396 + 0,00	405 + 0,00	AA-42
393 + 0,00	397 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-23		244,510			244,510	195,608	56.025,354	0,130	396 + 0,00	405 + 0,00	396 + 0,00	405 + 0,00	AA-42
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	2.100			2.100	1.680	56.027,034	0,230	402 + 0,00	404 + 0,00	402 + 0,00	404 + 0,00	AA-25
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	1.246,238			1.246,238	996,990	57.024,024	0,025	405 + 0,00	414 + 0,00	405 + 0,00	414 + 0,00	AA-43
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	3.925			3.925	3.140	57.027,164	0,230	405 + 0,00	407 + 0,00	405 + 0,00	407 + 0,00	AA-26
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	10,425			10,425	8,340	57.035,504	0,240	413 + 0,00	416 + 0,00	413 + 0,00	416 + 0,00	AA-27
409 + 0,00	412 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-24		71,380			71,380	57,104	57.092,608	0,160	414 + 0,00	423 + 0,00	414 + 0,00	423 + 0,00	AA-44
400 + 0,00	420 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	1.590,082			1.590,082	1.272,066	58.364,674	0,300	414 + 0,00	423 + 0,00	414 + 0,00	423 + 0,00	AA-44
422 + 0,00	436 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-8 LE	LE	884,012			884,012	707,210	58.071,884	0,200	423 + 0,00	432 + 0,00	423 + 0,00	432 + 0,00	AA-45
428 + 0,00	431 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-25		60,060			60,060	48,048	58.119,932	0,120	431 + 0,00	440 + 0,00	431 + 0,00	440 + 0,00	AA-28
422 + 0,00	436 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-8 LE	LE	425,176			425,176	340,442	58.460,074	0,240	431 + 0,00	440 + 0,00	431 + 0,00	440 + 0,00	AA-28
422 + 0,00	436 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-8 LE	LE	1.874,250			1.874,250	1.498,400	60.949,474	0,240	432 + 0,00	441 + 0,00	432 + 0,00	441 + 0,00	AA-46
438 + 0,00	461 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-9 LE	LE	177,638			177,638	142,110	61.100,584	0,270	440 + 0,00	443 + 0,00	440 + 0,00	443 + 0,00	AA-29
438 + 0,00	461 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-9 LE	LE	1.564,288			1.564,288	1.251,430	62.353,014	0,321	441 + 0,00	450 + 0,00	441 + 0,00	450 + 0,00	AA-47
438 + 0,00	461 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-9 LE	LE	87,375			87,375	69,900	62.422,914	0,271	446 + 0,00	450 + 0,00	446 + 0,00	450 + 0,00	AA-30
456 + 0,00	465 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-26		228,270			228,270	182,616	62.605,530	0,180	450 + 0,00	459 + 0,00	450 + 0,00	459 + 0,00	AA-48
438 + 0,00	461 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-9 LE	LE	961,055			961,055	768,844	63.374,374	0,330	450 + 0,00	459 + 0,00	450 + 0,00	459 + 0,00	AA-48
456 + 0,00	465 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-26		1,775			1,775	1,420	63.375,794	0,150	452 + 0,00	454 + 0,00	452 + 0,00	454 + 0,00	AA-31
456 + 0,00	465 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-26		104,925			104,925	83,940	63.459,734	0,155	459 + 0,00	468 + 0,00	459 + 0,00	468 + 0,00	AA-49
464 + 0,00	494 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-10 LE	LE	564,892			564,892	451,914	63.911,648	0,400	468 + 0,00	477 + 0,00	468 + 0,00	477 + 0,00	AA-50
465 + 0,00	474 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-27		28,960			28,960	22,848	63.934,496	0,155	468 + 0,00	477 + 0,00	468 + 0,00	477 + 0,00	AA-50
477 + 0,00	480 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-29		85,720			85,720	68,576	64.003,072	0,120	468 + 0,00	477 + 0,00	468 + 0,00	477 + 0,00	AA-50
474 + 0,00	475 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-28		0,090			0,090	0,072	64.003,144	0,015	468 + 0,00	477 + 0,00	468 + 0,00	477 + 0,00	AA-50
464 + 0,00	494 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-10 LE	LE	884,325			884,325	707,460	64.710,604	0,369	477 + 0,00	486 + 0,00	477 + 0,00	486 + 0,00	AA-51
495 + 0,00	498 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-30		59,145			59,145	47,316	64.757,920	0,120	486 + 0,00	495 + 0,00	486 + 0,00	495 + 0,00	AA-52
464 + 0,00	494 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-10 LE	LE	1.559,042			1.559,042	1.247,234	66.005,154	0,400	486 + 0,00	495 + 0,00	486 + 0,00	495 + 0,00	AA-52
495 + 0,00	498 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-30		1,475			1,475	1,180	66.006,334	0,070	492 + 0,00	494 + 0,00	492 + 0,00	494 + 0,00	AA-32
496 + 0,00	519 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-11 LE	LE	1.089,512			1.089,512	871,610	66.877,944	0,330	495 + 0,00	504 + 0,00	495 + 0,00	504 + 0,00	AA-53
495 + 0,00	498 + 0,00	-	-	10,00	CORTE PRIMEIRA	CP-30		1,800			1,800	1,440	66.878,384	0,050	498 + 0,00	500 + 0,00	498 + 0,00	500 + 0,00	AA-33
496 + 0,00	519 + 0,00	10,00	10,00	10,00	CX EMPRESTIMO	EL-11 LE	LE	719,125			719,125	575,300	67.454,684	0,013	504 + 0,00	513 + 0,00	504 + 0,00	513 + 0,00	AA-54

Volume 3C - Cálculo dos Volumes e Notas de
Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da
Rodovia MT-388



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Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
Documento Nº: 37394456-4124 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=37394456-4124>



DISTRIBUIÇÃO DE TERRAPLENAGEM

ORIGEM DO MATERIAL ESCAVADO										DESTINO DO MATERIAL ESCAVADO									
LOCALIZAÇÃO					E S C A V A Ç Ã O					VOLUME ESCAVADO (m³)					LOCALIZAÇÃO				
EST. INICIAL	EST. FINAL	DIST. EIXO "x" (m)	TIPO		Nº	LADO	1ª CATEG.		2ª CATEG.	3ª CATEG.	TOTAL	VOLUME COMPACTADO TOTAL (m³)	VOLUME COMPACTADO ACÚMULO (m³)	DISTÂNCIA MÉDIA DE TRANSP. (km)	EST. INICIAL	EST. FINAL	TIPO		Nº
EST. INICIAL	EST. FINAL	DIST. EIXO "x" (m)	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	EST. INICIAL	EST. FINAL	Nº
511 + 0,00	515 + 0,00	-	CORTE PRIMEIRA	CP-31	-	-	31,500	-	-	-	31,500	25,200	67,479,884	0,130	513 + 0,00	522 + 0,00	ATERRO (PI)	-	AA-55
498 + 0,00	519 + 0,00	10,00	CX EMPRESTIMO	EL-11 LE	LE	1,287,888	-	-	-	-	1,287,888	1,030,150	68,510,034	0,330	513 + 0,00	522 + 0,00	ATERRO (PI)	-	AA-55
521 + 0,00	551 + 0,00	10,00	CX EMPRESTIMO	EL-12 LE	LE	1,286,515	-	-	-	-	1,286,515	1,029,212	69,539,246	0,400	522 + 0,00	531 + 0,00	ATERRO (PI)	-	AA-56
526 + 0,00	532 + 0,00	-	CORTE PRIMEIRA	CP-32	-	-	21,060	-	-	-	21,060	18,848	69,556,094	0,029	522 + 0,00	531 + 0,00	ATERRO (PI)	-	AA-56
521 + 0,00	551 + 0,00	10,00	CX EMPRESTIMO	EL-12 LE	LE	91,825	-	-	-	-	91,825	73,480	69,629,554	0,340	528 + 0,00	531 + 0,00	ATERRO (PN)	-	A-34
521 + 0,00	551 + 0,00	10,00	CX EMPRESTIMO	EL-12 LE	LE	1,507,413	-	-	-	-	1,507,413	1,205,930	70,835,484	0,018	531 + 0,00	540 + 0,00	ATERRO (PI)	-	AA-57
521 + 0,00	551 + 0,00	10,00	CX EMPRESTIMO	EL-12 LE	LE	1,259,988	-	-	-	-	1,259,988	1,007,960	71,843,474	0,400	540 + 0,00	549 + 0,00	ATERRO (PI)	-	AA-58
553 + 0,00	583 + 0,00	10,00	CX EMPRESTIMO	EL-13 LE	LE	913,962	-	-	-	-	913,962	731,170	72,574,644	0,400	549 + 0,00	558 + 0,00	ATERRO (PI)	-	AA-59
548 + 0,00	553 + 0,00	-	CORTE PRIMEIRA	CP-33	-	-	106,200	-	-	-	106,200	84,980	72,659,604	0,115	549 + 0,00	558 + 0,00	ATERRO (PI)	-	AA-59
572 + 0,00	581 + 0,00	-	CORTE PRIMEIRA	CP-35	-	-	376,980	-	-	-	376,980	301,512	72,691,116	0,280	558 + 0,00	567 + 0,00	ATERRO (PI)	-	AA-60
563 + 0,00	572 + 0,00	-	CORTE PRIMEIRA	CP-34	-	-	43,060	-	-	-	43,060	34,448	72,656,564	0,180	558 + 0,00	567 + 0,00	ATERRO (PI)	-	AA-60
553 + 0,00	583 + 0,00	10,00	CX EMPRESTIMO	EL-13 LE	LE	381,650	-	-	-	-	381,650	305,320	73,300,884	0,400	558 + 0,00	567 + 0,00	ATERRO (PI)	-	AA-60
572 + 0,00	581 + 0,00	-	CORTE PRIMEIRA	CP-35	-	-	142,500	-	-	-	142,500	114,000	73,414,884	0,170	567 + 0,00	575 + 0,00	ATERRO (PI)	-	AA-61
581 + 0,00	590 + 0,00	-	CORTE PRIMEIRA	CP-36	-	-	53,530	-	-	-	53,530	42,824	73,457,708	0,033	578 + 0,00	587 + 0,00	ATERRO (PI)	-	AA-62
572 + 0,00	581 + 0,00	-	CORTE PRIMEIRA	CP-35	-	-	159,820	-	-	-	159,820	127,856	73,585,564	0,180	578 + 0,00	587 + 0,00	ATERRO (PI)	-	AA-62
590 + 0,00	591 + 0,00	-	CORTE PRIMEIRA	CP-37	-	-	0,120	-	-	-	0,120	0,096	73,585,660	0,011	587 + 0,00	596 + 0,00	ATERRO (PI)	-	AA-63
585 + 0,00	605 + 0,00	10,00	CX EMPRESTIMO	EL-14 LE	LE	583,330	-	-	-	-	583,330	474,684	74,080,324	0,282	587 + 0,00	596 + 0,00	ATERRO (PI)	-	AA-63
585 + 0,00	605 + 0,00	10,00	CX EMPRESTIMO	EL-14 LE	LE	1,470,125	-	-	-	-	1,470,125	1,176,100	75,236,424	0,300	586 + 0,00	605 + 0,00	ATERRO (PI)	-	AA-64
593 + 0,00	598 + 0,00	-	CORTE PRIMEIRA	CP-38	-	-	90,300	-	-	-	90,300	72,240	75,308,664	0,140	586 + 0,00	605 + 0,00	ATERRO (PI)	-	AA-64
585 + 0,00	605 + 0,00	10,00	CX EMPRESTIMO	EL-14 LE	LE	27,550	-	-	-	-	27,550	22,040	75,330,704	0,260	588 + 0,00	603 + 0,00	ATERRO (PN)	-	A-35
585 + 0,00	605 + 0,00	10,00	CX EMPRESTIMO	EL-14 LE	LE	80,500	-	-	-	-	80,500	64,400	75,395,104	0,260	604 + 0,00	609 + 0,00	ATERRO (PN)	-	A-36
609 + 0,00	613 + 0,00	-	CORTE PRIMEIRA	CP-39	-	-	0,720	-	-	-	0,720	0,576	75,395,680	0,090	605 + 0,00	614 + 0,00	ATERRO (PI)	-	AA-65
585 + 0,00	605 + 0,00	10,00	CX EMPRESTIMO	EL-14 LE	LE	1,235,317	-	-	-	-	1,235,317	1,060,254	76,455,934	0,300	605 + 0,00	614 + 0,00	ATERRO (PI)	-	AA-65
617 + 0,00	623 + 0,00	-	CORTE PRIMEIRA	CP-40	-	-	6,700	-	-	-	6,700	5,360	76,461,294	0,110	614 + 0,00	623 + 0,00	ATERRO (PI)	-	AA-66
610 + 0,00	635 + 0,00	10,00	CX EMPRESTIMO	EL-15 LE	LE	605,700	-	-	-	-	605,700	484,560	76,845,854	0,341	614 + 0,00	623 + 0,00	ATERRO (PI)	-	AA-66
610 + 0,00	635 + 0,00	10,00	CX EMPRESTIMO	EL-15 LE	LE	1,800,725	-	-	-	-	1,800,725	1,280,560	78,226,434	0,350	623 + 0,00	632 + 0,00	ATERRO (PI)	-	AA-67
610 + 0,00	635 + 0,00	10,00	CX EMPRESTIMO	EL-15 LE	LE	501,737	-	-	-	-	501,737	401,360	78,627,824	0,290	632 + 0,00	635 + 0,00	ATERRO (PI)	-	AA-68

Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem



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A.F. PROJETOS E CONSTRUÇÕES LTDA

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7.0 – TERMO DE RESPONSABILIDADE

Av. Governador José Fragelli, 600, – Sala 03 – Jardim Paulista – CEP: 78.065-345 – Cuiabá-MT
Fone: (0**65) 3634 - 6340 / Cel: (0**65) 9.9661 9586 - 9.9968 6483
E-mail: afoprojetos@gmail.com



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A.F. PROJETOS E CONSTRUÇÕES LTDA

Eu, João Batista Domingues, Engenheiro Civil, Responsável Técnico pela empresa A.F. Projetos e Construções Ltda, declaro que calculei e verifiquei, os quantitativos relativos ao **PROJETO EXECUTIVO DE ENGENHARIA PARA PAVIMENTAÇÃO DA RODOVIA: MT-388; TRECHO: CAMPOS DE JULIO - RIO JURUENA (DIV. SAPEZAL/CAMPOS DE JÚLIO); SUBTRECHO: ENTR. MT-235(B) (INÍCIO PU C. DE JÚLIO) - ENTR. ROD. LINHA PONTAL; EXTENSÃO: 12,7 KM.** pelos quais assumimos total responsabilidade, respeitando a legislação vigente e as diretrizes do corpo Normativo da SINFRA/MT (Secretaria de Estado de Infraestrutura e Logística de Mato Grosso) e DNIT (Departamento Nacional de Infraestrutura de Transportes).

Cuiabá-MT, 01 agosto de 2025.

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A.F. Projetos e Construções Ltda
Eng. João Batista Domingues
Crea: 3510/MT
Responsável Técnico

Av. Governador José Fragelli, 600, – Sala 03 – Jardim Paulista – CEP: 78.065-345 – Cuiabá-MT
Fone: (0**65) 3634 - 6340 / Cel: (0**65) 9.9661 9586 - 9.9968 6483
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8 – TERMO DE ENCERRAMENTO



Volume 3C - Cálculo dos Volumes e Notas de Serviços de Terraplenagem

Projeto Executivo de Engenharia para Implantação e Pavimentação da Rodovia MT-

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Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 28/05/2026 às 09:10:00.
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O Volume 3C – **NOTA DE SERVIÇO E CÁLCULOS DE VOLUMES** referentes ao Projeto Executivo de Implantação e Pavimentação da Rodovia MT-388, trecho: Campos de Julio - Rio Juruena (div. Sapezal/Campos de Júlio), Subtrecho: Entr. MT-235(B) (início PU C. de Júlio) - Entr. Rod. Linha Pontalcom, extensão de 12,7 km, possui 101 (Cento e um) folhas numericamente ordenadas.

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