



PROJETO EXECUTIVO DE IMPLANTAÇÃO E PAVIMENTAÇÃO

Rodovia: MT-338

Município: Juara/MT

Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417

Sub Trecho: KM 664,67 – KM 689,27

SRE: 338EEMT0250

Extensão aproximada: 24,445 km

VOLUME 3C – NOTA DE SERVIÇO DE TERRAPLENAGEM E CÁLCULO DE VOLUME

Maió/2024

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SINFRA
SECRETARIA DE ESTADO
DE INFRAESTRUTURA
E LOGÍSTICA



GOVERNO DE
MATO
GROSSO

PROJETO EXECUTIVO DE IMPLANTAÇÃO E PAVIMENTAÇÃO

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Extensão aproximada: 24,445 km

DIREÇÃO: Superintendência de Engenharia

ELABORAÇÃO: SM Serviços de Engenharia EIRELI-ME, CNPJ: 19.589.235/0001-99

RESPONSÁVEL TÉCNICO: Everaldo Tadel Bezerra de Castro, CREA: 1205190473

RESPONSÁVEL TÉCNICO: Fabrício Henrique Eufrazio Segura, CREA: 1212483375

RESPONSÁVEL TÉCNICO: Aldiney Almeida Santos, CREA: 1203841272

CONTRATANTE: Associação dos Moradores e Produtores de Leite de Águas Claras - AMPLAC, CNPJ: 09.135.386/0001-13

VOLUME 3 – MEMÓRIA JUSTIFICATIVA

Mai/2024

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Volume 3C – Nota de Serviço e Cálculo de Volume
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1.0 - APRESENTAÇÃO



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A **SM Serviços de Engenharia**, empresa de projeto sediada na West Center Soluções Integradas, Travessa Um, LT1, Parque das Nações Indígenas, Cuiabá-MT, fone (65) 3623-7656, e-mail: sm.serv.engenharia@gmail.com inscrito no CNPJ: 19.589.235/0001-59, apresenta à **SECRETARIA DE ESTADO DE INFRAESTRUTURA E LOGÍSTICA** o **Volume 3 C – Nota de Serviço e Cálculo de Volume** sobre o Projeto Executivo de Engenharia para Implantação/Pavimentação da Rodovia MT-338, Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417, Sub trecho: KM 664,67 – KM 689,27; Extensão aproximadamente 24,445 km.

Este volume é destinado aos Engenheiros e Técnicos envolvidos na construção da obra, pois apresenta a nota de serviço de terraplenagem com cota de eixo (projeto), cota vermelha, distância do eixo aos bordos, declividade da pista, offset, etc. Também apresenta a planilha de cálculo de volume com: estacas, áreas, semidistância, volume de aterro e volume de corte.

O projeto executivo é composto pelos volumes discriminados a seguir:

- Volume 1.0: Relatório do Projeto e Documentos para Concorrência;
- Volume 2.0: Projeto de Execução;
- Volume 2.1: Seções de Terraplenagem;
- Volume 3.0: Memória Justificativa;
- Volume 3A: Estudos Geotécnicos;
- Volume 3C: Cálculo dos Volumes e Notas de Serviços de Terraplenagem;
- Volume 4: Orçamento da Obra.

O conteúdo de cada volume é descrito a seguir:

Volume 1 - Relatório do Projeto

Este volume contém uma síntese dos serviços a executar e as especificações pertinentes aos serviços a serem executados. É apresentado no formato A4.

Volume 2 - Projeto de Execução

Este volume contém plantas, perfis e seções transversais e demais informações de interesse para a execução do projeto. É apresentado em formato A3.

Volume 2.1 –Seções de Terraplenagem

Apresenta em formato A3 os desenhos que representam as seções de terraplenagem de todo o trecho a ser locado.

Volume 3 – Memória Justificativa


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Volume 3C – Nota de Serviço e Cálculo de Volume
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Este volume reúne todas as metodologias que possibilitaram a definição das soluções a serem adotadas para os diversos itens de serviços. Apresenta, também, todos os estudos realizados que, de alguma forma, orientaram as tomadas de decisões com relação às soluções adotadas. É apresentado em formato A4.

Volume 3A – Estudos Geotécnicos

Apresenta em formato A4 os levantamentos realizados no campo, os cálculos efetuados no escritório e os ensaios de laboratório.

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

Apresenta em formato A4 as notas de serviço para execução do terrapleno e os volumes respectivos, bem como elementos adicionais à realocação do trecho.

Volume 3D –Projeto de Desapropriação

Apresenta em formato A4 com todas as informações sobre as propriedade que circundam a estrada.

Volume 4 – Orçamento e Plano de Execução de Obras

Este volume apresenta o demonstrativo de quantidades, distâncias médias de transporte, consumo de materiais, plano de execução da obra, resumo dos preços e o demonstrativo do orçamento. As composições de preços unitários serão apresentadas em outro volume como anexo. É apresentado em formato A4.

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Volume 3C – Nota de Serviço e Cálculo de Volume
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2.0 – MAPA DE SITUAÇÃO



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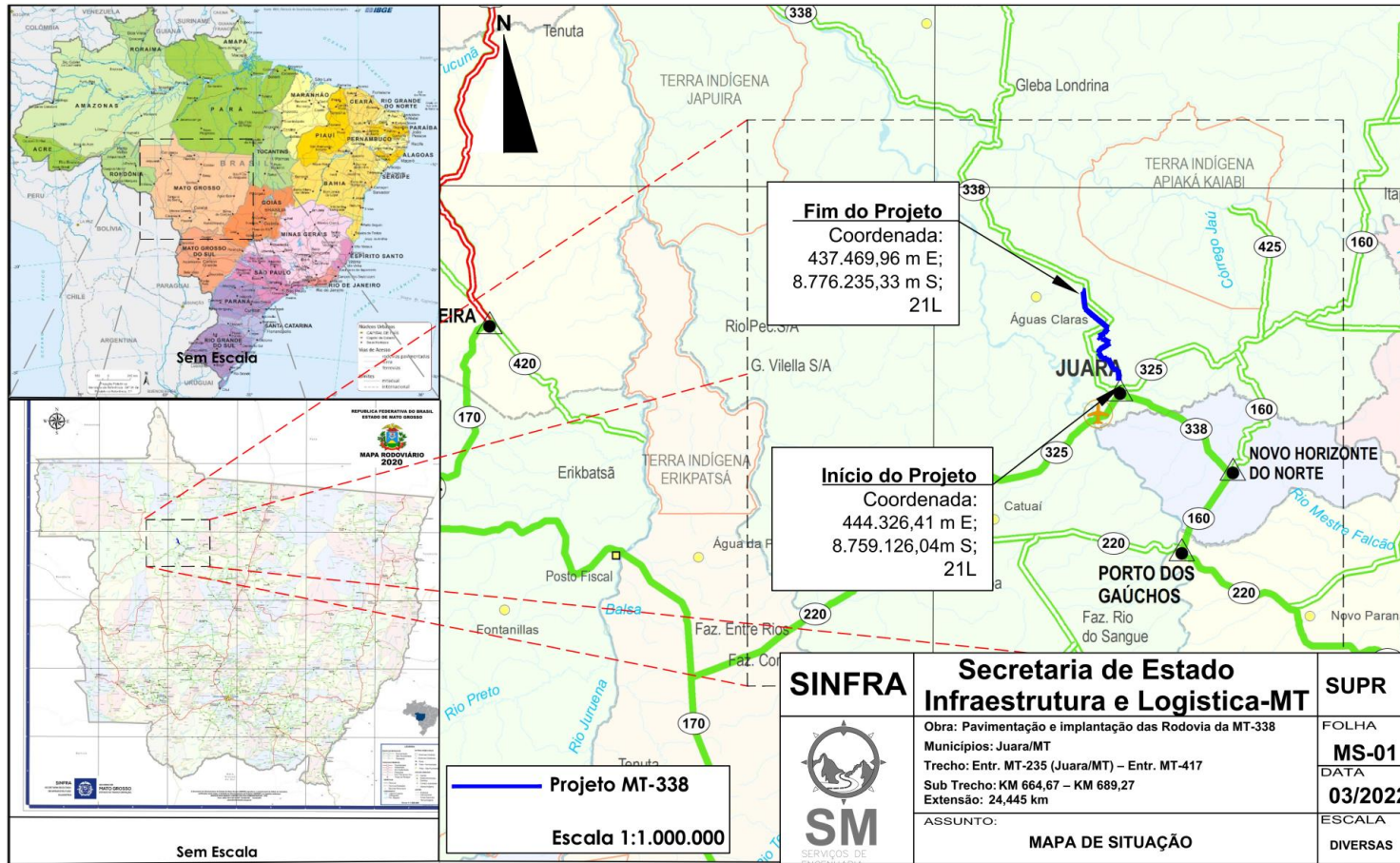

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Volume 3C – Nota de Serviço e Cálculo de Volume
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Volume 3C – Nota de Serviço e Cálculo de Volume
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3.0 – NOTAS DE SERVIÇO DE TERRAPLENA GEM



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Volume 3C – Nota de Serviço e Cálculo de Volume
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3.1 – MT-338



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Table with columns: Lado Esquerdo, Eixo, Lado Direito. Sub-columns include Offset, Bordo da Plataforma, Bordo Pista de Rolamento, Estaca, Pontos Notáveis da Geometria Horizontal/Vertical, Cota Projeto/Terreno/Vermelha, Bordo Pista de Rolamento, Bordo da Plataforma, and Offset. Rows contain numerical data for various points along the road.

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Responsible Engineer: Engenheiro Everaldo Tadeu Bezerra de Castro (CREA-MT 1205190473). Co-responsible Engineer: Engenheiro Henrique Eufrazio Segura (CREA: 121248337-7).

Volume 3C - Nota de Serviço e Cálculo de Volume. Rodovia: MT-338. Trecho: Entr. MT-235 (Juara)/MT - Entr. MT-417. Sub Trecho: KM 664,67 - KM 689,27. Extensão Total: 24,445 km.

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Nota de Serviço de Terraplenagem da MT-338																												
Lado Esquerdo									Eixo											Lado Direito								
Offset		Bordo da Plataforma			Bordo Pistã de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistã de Rolamento			Bordo da Plataforma			Offset							
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)				
-6.107	282.796	-6.075	282.764	-3.00	-3.500	282.841	-3.00	38+0.000			282.946	283.521	-0.576	3.500	282.841	-3.00	6.075	282.764	-3.00	7.454	284.143							
-6.110	283.077	-6.075	283.042	-3.00	-3.500	283.119	-3.00	39+0.000			283.224	285.425	-2.201	3.500	283.119	-3.00	6.075	283.042	-3.00	8.913	285.879							
-6.744	283.988	-6.075	283.319	-3.00	-3.500	283.397	-3.00	40+0.000			283.502	286.043	-2.542	3.500	283.397	-3.00	6.075	283.319	-3.00	9.305	286.550							
-7.316	284.839	-6.075	283.597	-3.00	-3.500	283.675	-3.00	41+0.000			283.780	286.647	-2.867	3.500	283.675	-3.00	6.075	283.597	-3.00	9.595	287.118							
-7.294	285.094	-6.075	283.875	-3.00	-3.500	283.953	-3.00	42+0.000			284.058	287.384	-3.326	3.500	283.953	-3.00	6.075	283.875	-3.00	9.998	287.799							
-7.002	285.081	-6.075	284.153	-3.00	-3.500	284.231	-3.00	43+0.000			284.336	286.295	-1.960	3.500	284.231	-3.00	6.075	284.153	-3.00	10.048	288.126							
-7.247	285.603	-6.075	284.431	-3.00	-3.500	284.509	-3.00	44+0.000		PCV	284.614	285.509	-0.895	3.500	284.509	-3.00	6.075	284.431	-3.00	9.391	287.748							
-6.920	285.600	-6.075	284.755	-3.00	-3.500	284.833	-3.00	45+0.000			284.938	285.600	-0.663	3.500	284.833	-3.00	6.075	284.755	-3.00	6.993	285.674							
-6.485	284.899	-6.075	285.172	-3.00	-3.500	285.249	-3.00	46+0.000			285.354	285.424	-0.070	3.500	285.249	-3.00	6.075	285.172	-3.00	6.125	285.222							
-10.220	282.917	-6.075	285.680	-3.00	-3.500	285.757	-3.00	47+0.000			285.862	285.200	0.662	3.500	285.757	-3.00	6.075	285.680	-3.00	6.902	285.129							
-11.329	282.581	-6.075	286.083	-3.00	-3.500	286.161	-3.00	47+13.759			286.266	285.270	0.995	3.500	286.161	-3.00	6.075	286.083	-3.00	7.858	284.894							
-11.531	282.643	-6.075	286.281	-3.00	-3.500	286.358	-3.00	48+0.000			286.463	285.402	1.061	3.500	286.358	-3.00	6.075	286.281	-3.00	8.298	284.798							
-12.182	282.902	-6.075	286.973	-3.00	-3.500	287.051	-3.00	49+0.000			287.156	286.003	1.152	3.500	287.051	-3.00	6.075	286.973	-3.00	10.202	284.222							
-7.753	286.639	-6.075	287.758	-3.00	-3.500	287.835	-3.00	50+0.000			287.940	286.554	1.386	3.500	287.835	-3.00	6.075	287.758	-3.00	9.750	285.308							
-7.178	287.900	-6.075	288.635	-3.00	-3.500	288.713	-3.00	51+0.000			288.818	287.243	1.574	3.500	288.713	-3.00	6.075	288.635	-3.00	8.112	287.278							
-6.812	289.113	-6.075	289.605	-3.00	-3.500	289.682	-3.00	52+0.000			289.787	288.539	1.247	3.500	289.682	-3.00	6.075	289.605	-3.00	6.779	290.308							
-6.502	291.093	-6.075	290.666	-3.00	-3.500	290.743	-3.00	53+0.000			290.848	291.939	-1.091	3.500	290.743	-3.00	6.075	290.666	-3.00	7.976	292.567							
-7.341	293.085	-6.075	291.820	-3.00	-3.500	291.897	-3.00	54+0.000		PTV	292.002	295.514	-3.512	3.500	291.897	-3.00	6.075	291.820	-3.00	9.850	295.595							
-9.757	296.701	-6.075	293.019	-3.00	-3.500	293.097	-3.00	55+0.000			293.202	298.018	-4.817	3.500	293.097	-3.00	6.075	293.019	-3.00	11.030	297.974							
-10.731	298.875	-6.075	294.219	-3.00	-3.500	294.296	-3.00	56+0.000			294.401	299.546	-5.145	3.500	294.296	-3.00	6.075	294.219	-3.00	11.213	299.356							
-10.890	300.234	-6.075	295.419	-3.00	-3.500	295.496	-3.00	57+0.000			295.601	300.218	-4.617	3.500	295.496	-3.00	6.075	295.419	-3.00	10.786	300.130							
-10.326	300.869	-6.075	296.618	-3.00	-3.500	296.696	-3.00	58+0.000			296.801	301.216	-4.416	3.500	296.696	-3.00	6.075	296.618	-3.00	10.460	301.003							
-10.320	301.948	-6.075	297.703	-3.00	-3.500	297.781	-3.00	58+18.089	PT		297.886	302.285	-4.400	3.500	297.781	-3.00	6.075	297.703	-3.00	10.950	302.578							
-10.924	302.667	-6.075	297.818	-3.00	-3.500	297.895	-3.00	59+0.000			298.000	302.473	-4.473	3.500	297.895	-3.00	6.075	297.818	-3.00	11.065	302.808							
-11.313	304.255	-6.075	299.018	-3.00	-3.500	299.095	-3.00	60+0.000			299.200	303.989	-4.789	3.500	299.095	-3.00	6.075	299.018	-3.00	11.256	304.198							
-11.461	305.603	-6.075	300.217	-3.00	-3.500	300.295	-3.00	61+0.000			300.400	304.867	-4.467	3.500	300.295	-3.00	6.075	300.217	-3.00	10.789	304.931							
-9.509	304.851	-6.075	301.417	-3.00	-3.500	301.494	-3.00	62+0.000		PCV	301.599	305.582	-3.983	3.500	301.494	-3.00	6.075	301.417	-3.00	10.252	305.594							
-9.572	306.000	-6.075	302.503	-3.00	-3.500	302.580	-3.00	63+0.000			302.685	305.798	-3.114	3.500	302.580	-3.00	6.075	302.503	-3.00	9.372	305.800							
-8.394	305.680	-6.075	303.360	-3.00	-3.500	303.438	-3.00	64+0.000			303.543	305.713	-2.171	3.500	303.438	-3.00	6.075	303.360	-3.00	8.314	305.600							
-7.676	305.591	-6.075	303.990	-3.00	-3.500	304.068	-3.00	65+0.000			304.173	305.545	-1.372	3.500	304.068	-3.00	6.075	303.990	-3.00	7.498	305.413							
-7.064	305.381	-6.075	304.392	-3.00	-3.500	304.469	-3.00	66+0.000			304.574	305.279	-0.704	3.500	304.469	-3.00	6.075	304.392	-3.00	6.804	305.121							
-6.436	304.927	-6.075	304.566	-3.00	-3.500	304.643	-3.00	67+0.000			304.748	304.595	0.154	3.500	304.643	-3.00	6.075	304.566	-3.00	6.153	304.514							
-7.162	303.787	-6.075	304.512	-3.00	-3.500	304.589	-3.00	68+0.000			304.694	304.353	0.341	3.500	304.589	-3.00	6.075	304.512	-3.00	6.555	304.192							
-7.864	303.037	-6.075	304.230	-3.00	-3.500	304.307	-3.00	69+0.000			304.412	303.801	0.611	3.500	304.307	-3.00	6.075	304.230	-3.00	6.725	303.797							
-7.792	302.575	-6.075	303.720	-3.00	-3.500	303.797	-3.00	70+0.000			303.902	303.360	0.542	3.500	303.797	-3.00	6.075	303.720	-3.00	6.948	303.138							
-7.397	302.101	-6.075	302.982	-3.00	-3.500	303.059	-3.00	71+0.000			303.164	302.711	0.453	3.500	303.059	-3.00	6.075	302.982	-3.00	6.827	302.480							
-6.992	301.405	-6.075	302.016	-3.00	-3.500	302.093	-3.00	72+0.000		PTV	302.198	302.341	-0.143	3.500	302.093	-3.00	6.075	302.016	-3.00	6.469	302.410							
-6.284	300.797	-6.075	300.936	-3.00	-3.500	301.013	-3.00	73+0.000			301.118	301.270	-0.151	3.500	301.013	-3.00	6.075	300.936	-3.00	6.787	301.648							
-6.216	299.997	-6.075	299.856	-3.00	-3.500	299.933	-3.00	74+0.000			300.038	300.607	-0.569	3.500	299.933	-3.00	6.075	299.856	-3.00	6.863	300.644							
-6.309	299.011	-6.075	298.776	-3.00	-3.500	298.854	-3.00	75+0.000			298.959	299.685	-0.727	3.500	298.854	-3.00	6.075	298.776	-3.00	7.096	299.797							
-6.777	298.399	-6.075	297.696	-3.00	-3.500	297.774	-3.00	76+0.000			297.879	299.200	-1.321	3.500	297.774	-3.00	6.075	297.696	-3.00	7.406	299.027							
-7.081	297.622	-6.075	296.617	-3.00	-3.500	296.694	-3.00	77+0.000			296.799	298.671	-1.873	3.500	296.694	-3.00	6.075	296.617	-3.00	7.799	298.340							

Responsável Técnico
 Engenheiro Civil
 CREA-MT 1208190473

Responsável Técnico
 Engenheiro Civil
 CREA: 121248337-7

Volum 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara)/MT - Entr. MT-417
 Sub Trecho: KM 664,67 - KM 689,27
 Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo							Lado Direito						
Offset			Bordo da Plataforma			Bordo Pistã de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistã de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6.949	296.410	-6.075	295.537	-3.00	-3.500	295.614	-3.00	78+0.000			295.719	297.220	-1.501	3.500	295.614	-3.00	6.075	295.537	-3.00	8.000	297.462	
-6.878	295.260	-6.075	294.457	-3.00	-3.500	294.534	-3.00	79+0.000			294.639	295.503	-0.864	3.500	294.534	-3.00	6.075	294.457	-3.00	7.992	296.374	
-6.821	294.123	-6.075	293.377	-3.00	-3.500	293.454	-3.00	80+0.000			293.559	294.399	-0.840	3.500	293.454	-3.00	6.075	293.377	-3.00	7.923	295.225	
-6.832	293.054	-6.075	292.297	-3.00	-3.500	292.374	-3.00	81+0.000			292.479	292.918	-0.439	3.500	292.374	-3.00	6.075	292.297	-3.00	7.999	293.921	
-6.557	291.699	-6.075	291.217	-3.00	-3.500	291.294	-3.00	82+0.000		PCV	291.399	291.413	-0.013	3.500	291.294	-3.00	6.075	291.217	-3.00	7.609	292.751	
-7.120	289.547	-6.075	290.243	-3.00	-3.500	290.321	-3.00	83+0.000			290.426	289.799	0.627	3.500	290.321	-3.00	6.075	290.243	-3.00	7.186	291.355	
-8.186	288.074	-6.075	289.482	-3.00	-3.500	289.559	-3.00	84+0.000			289.664	288.068	1.596	3.500	289.559	-3.00	6.075	289.482	-3.00	7.556	288.495	
-9.446	286.685	-6.075	288.932	-3.00	-3.500	289.009	-3.00	85+0.000			289.114	287.374	1.741	3.500	289.009	-3.00	6.075	288.932	-3.00	9.542	286.621	
-12.275	284.462	-6.075	288.595	-3.00	-3.500	288.672	-3.00	86+0.000			288.777	285.230	3.547	3.500	288.672	-3.00	6.075	288.595	-3.00	10.628	285.560	
-11.298	284.988	-6.075	288.470	-3.00	-3.500	288.547	-3.00	87+0.000			288.652	285.813	2.839	3.500	288.547	-3.00	6.075	288.470	-3.00	11.337	284.962	
-11.112	285.199	-6.075	288.557	-3.00	-3.500	288.634	-3.00	88+0.000			288.739	286.083	2.656	3.500	288.634	-3.00	6.075	288.557	-3.00	9.053	286.571	
-9.280	286.719	-6.075	288.856	-3.00	-3.500	288.933	-3.00	89+0.000			289.038	287.322	1.716	3.500	288.933	-3.00	6.075	288.856	-3.00	8.219	287.426	
-7.397	288.486	-6.075	289.367	-3.00	-3.500	289.444	-3.00	90+0.000			289.549	288.786	0.763	3.500	289.444	-3.00	6.075	289.367	-3.00	6.721	288.937	
-6.760	290.775	-6.075	290.090	-3.00	-3.500	290.168	-3.00	91+0.000			290.273	291.311	-1.038	3.500	290.168	-3.00	6.075	290.090	-3.00	7.587	291.602	
-7.759	292.566	-6.075	290.882	-3.00	-3.500	290.959	-3.00	91+17.193			291.064	292.933	-1.869	3.500	290.959	-3.00	6.075	290.882	-3.00	9.291	294.098	
-7.861	292.812	-6.075	291.026	-3.00	-3.500	291.103	-3.00	92+0.000		PTV	291.208	293.203	-1.995	3.500	291.117	-2.61	6.075	291.050	-2.61	9.766	294.740	
-9.425	295.259	-6.075	291.909	-3.00	-3.500	291.986	-3.00	92+16.943	TS		292.091	294.958	-2.867	3.500	292.081	-0.28	6.075	292.074	-0.28	10.266	296.265	
-9.425	295.363	-6.075	292.013	-3.00	-3.500	292.090	-3.00	92+18.943			292.195	295.174	-2.979	3.500	292.185	-0.28	6.075	292.178	-0.28	10.266	296.369	
-9.544	295.531	-6.081	292.068	-3.00	-3.506	292.145	-3.00	93+0.000			292.250	295.295	-3.045	3.505	292.255	0.15	6.080	292.259	0.15	10.231	296.409	
-11.121	298.041	-6.186	293.106	-3.00	-3.611	293.183	-3.00	94+0.000			293.292	297.032	-3.740	3.607	293.396	2.90	6.182	293.471	2.90	10.697	297.987	
-11.131	298.084	-6.189	293.142	-3.00	-3.614	293.219	-3.00	94+0.693			293.328	297.068	-3.740	3.611	293.436	3.00	6.186	293.513	3.00	10.676	298.003	
-11.811	299.498	-6.290	293.977	-5.66	-3.715	294.123	-5.66	95+0.000			294.333	297.819	-3.486	3.709	294.543	5.66	6.284	294.689	5.66	10.372	298.777	
-11.687	300.017	-6.375	294.706	-8.00	-3.800	294.912	-8.00	95+16.943	SC		295.216	298.062	-2.846	3.800	295.520	8.00	6.375	295.726	8.00	10.051	299.402	
-11.645	300.135	-6.375	294.865	-8.00	-3.800	295.071	-8.00	96+0.000			295.375	298.162	-2.787	3.800	295.679	8.00	6.375	295.885	8.00	9.903	299.413	
-11.314	300.846	-6.375	295.907	-8.00	-3.800	296.113	-8.00	97+0.000			296.417	299.576	-3.159	3.800	296.721	8.00	6.375	296.927	8.00	8.445	298.996	
-10.846	301.420	-6.375	296.948	-8.00	-3.800	297.154	-8.00	98+0.000			297.458	300.966	-3.507	3.800	297.762	8.00	6.375	297.968	8.00	8.001	299.594	
-10.450	302.065	-6.375	297.990	-8.00	-3.800	298.196	-8.00	99+0.000			298.500	301.720	-3.220	3.800	298.804	8.00	6.375	299.010	8.00	8.604	301.239	
-10.165	302.822	-6.375	299.032	-8.00	-3.800	299.238	-8.00	100+0.000			299.542	302.338	-2.796	3.800	299.846	8.00	6.375	300.052	8.00	8.392	302.069	
-9.964	303.663	-6.375	300.073	-8.00	-3.800	300.279	-8.00	101+0.000			300.583	303.340	-2.757	3.800	300.887	8.00	6.375	301.093	8.00	8.260	302.979	
-9.684	304.424	-6.375	301.115	-8.00	-3.800	301.321	-8.00	102+0.000			301.625	304.091	-2.466	3.800	301.929	8.00	6.375	302.135	8.00	7.930	303.690	
-9.567	304.893	-6.375	301.701	-8.00	-3.800	301.907	-8.00	102+11.248			302.211	304.546	-2.335	3.800	302.515	8.00	6.375	302.721	8.00	7.795	304.141	
-9.409	305.190	-6.375	302.157	-8.00	-3.800	302.363	-8.00	103+0.000			302.667	304.912	-2.245	3.800	302.971	8.00	6.375	303.177	8.00	7.807	304.609	
-9.340	306.163	-6.375	303.198	-8.00	-3.800	303.404	-8.00	104+0.000			303.708	305.965	-2.256	3.800	304.012	8.00	6.375	304.218	8.00	7.905	305.749	
-9.301	307.166	-6.375	304.240	-8.00	-3.800	304.446	-8.00	105+0.000			304.750	307.120	-2.370	3.800	305.054	8.00	6.375	305.260	8.00	7.609	306.944	
-9.489	308.396	-6.375	305.282	-8.00	-3.800	305.488	-8.00	106+0.000		PCV	305.792	308.362	-2.570	3.800	306.096	8.00	6.375	306.302	8.00	7.433	307.360	
-9.304	309.189	-6.375	306.259	-8.00	-3.800	306.465	-8.00	107+0.000			306.769	308.523	-1.754	3.800	307.073	8.00	6.375	307.279	8.00	8.248	309.152	
-9.201	309.935	-6.375	307.110	-8.00	-3.800	307.316	-8.00	108+0.000			307.620	309.691	-2.071	3.800	307.924	8.00	6.375	308.130	8.00	8.717	310.471	
-8.868	310.325	-6.375	307.832	-8.00	-3.800	308.038	-8.00	109+0.000			308.342	310.201	-1.859	3.800	308.646	8.00	6.375	308.852	8.00	8.215	310.692	
-8.672	310.307	-6.375	308.010	-8.00	-3.800	308.216	-8.00	109+5.553	CS		308.520	310.201	-1.681	3.800	308.824	8.00	6.375	309.030	8.00	8.208	310.863	
-8.218	310.472	-6.304	308.558	-6.01	-3.729	308.713	-6.01	110+0.000			308.937	310.396	-1.459	3.721	309.160	6.01	6.296	309.315	6.01	7.892	310.910	
-7.693	310.696	-6.199	309.202	-3.25	-3.624	309.286	-3.25	111+0.000			309.404	310.514	-1.110	3.620	309.521	3.25	6.195	309.605	3.25	7.807	311.218	
-7.760	310.825	-6.189	309.254	-3.00	-3.614	309.331	-3.00	111+1.803			309.440	310.571	-1.132	3.611	309.548	3.00	6.186	309.625	3.00	7.557	310.996	

Resposta/Assinatura
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenharia Civil
CREA-MT 1205190473

Comprovaç/Assinatura
Engenheiro Henrique Eurázio Segura
Engenharia Civil
CREA: 112148337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara)- Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pistá de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistá de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.340	310.807	-6.094	309.560	-3.00	-3.519	309.638	-3.00	112+0.000			309.743	310.802	-1.059	3.518	309.760	0.49	6.093	309.773	0.49	7.233	310.913	
-7.609	311.142	-6.075	309.608	-3.00	-3.500	309.685	-3.00	112+3.553			309.790	310.803	-1.013	3.500	309.790	0.00	6.075	309.790	0.00	7.106	310.821	
-7.645	311.203	-6.075	309.632	-3.00	-3.500	309.710	-3.00	112+5.553	ST		309.815	310.802	-0.988	3.500	309.805	-0.28	6.075	309.798	-0.28	7.099	310.822	
-7.663	311.360	-6.075	309.773	-3.00	-3.500	309.850	-3.00	113+0.000			309.955	310.543	-0.588	3.500	309.875	-2.27	6.075	309.817	-2.27	6.669	310.411	
-7.443	311.175	-6.075	309.807	-3.00	-3.500	309.884	-3.00	113+5.303			309.989	310.400	-0.411	3.500	309.884	-3.00	6.075	309.807	-3.00	6.664	310.396	
-7.081	310.862	-6.075	309.856	-3.00	-3.500	309.934	-3.00	114+0.000			310.039	309.976	0.062	3.500	309.934	-3.00	6.075	309.856	-3.00	6.534	310.316	
-6.670	310.407	-6.075	309.813	-3.00	-3.500	309.890	-3.00	115+0.000			309.995	309.397	0.598	3.500	309.890	-3.00	6.075	309.813	-3.00	6.365	309.619	
-6.446	310.012	-6.075	309.641	-3.00	-3.500	309.719	-3.00	116+0.000		PTV	309.824	308.963	0.860	3.500	309.719	-3.00	6.075	309.641	-3.00	6.857	309.120	
-6.123	309.374	-6.075	309.406	-3.00	-3.500	309.483	-3.00	117+0.000			309.588	308.788	0.800	3.500	309.483	-3.00	6.075	309.406	-3.00	7.377	308.538	
-6.517	308.876	-6.075	309.171	-3.00	-3.500	309.248	-3.00	118+0.000			309.353	309.121	0.232	3.500	309.248	-3.00	6.075	309.171	-3.00	7.644	308.125	
-6.920	308.372	-6.075	308.935	-3.00	-3.500	309.013	-3.00	119+0.000			309.118	308.573	0.544	3.500	309.013	-3.00	6.075	308.935	-3.00	7.781	307.798	
-7.184	307.960	-6.075	308.700	-3.00	-3.500	308.777	-3.00	120+0.000			308.882	308.204	0.678	3.500	308.777	-3.00	6.075	308.700	-3.00	7.397	307.818	
-7.375	307.598	-6.075	308.465	-3.00	-3.500	308.542	-3.00	121+0.000			308.847	307.795	0.852	3.500	308.542	-3.00	6.075	308.465	-3.00	7.055	307.811	
-7.299	307.413	-6.075	308.230	-3.00	-3.500	308.307	-3.00	122+0.000			308.412	307.400	1.012	3.500	308.307	-3.00	6.075	308.230	-3.00	7.020	307.600	
-7.266	307.200	-6.075	307.994	-3.00	-3.500	308.071	-3.00	123+0.000			308.176	307.399	0.777	3.500	308.071	-3.00	6.075	307.994	-3.00	7.272	307.196	
-6.613	307.400	-6.075	307.759	-3.00	-3.500	307.836	-3.00	124+0.000			307.941	307.112	0.829	3.500	307.836	-3.00	6.075	307.759	-3.00	7.191	307.015	
-6.559	307.201	-6.075	307.524	-3.00	-3.500	307.601	-3.00	125+0.000			307.706	307.129	0.577	3.500	307.601	-3.00	6.075	307.524	-3.00	6.560	307.200	
-6.393	307.076	-6.075	307.288	-3.00	-3.500	307.366	-3.00	126+0.000			307.471	306.989	0.481	3.500	307.366	-3.00	6.075	307.288	-3.00	6.364	307.096	
-6.453	306.801	-6.075	307.053	-3.00	-3.500	307.130	-3.00	127+0.000			307.235	306.874	0.361	3.500	307.130	-3.00	6.075	307.053	-3.00	6.491	306.776	
-6.473	306.552	-6.075	306.818	-3.00	-3.500	306.895	-3.00	128+0.000			307.000	306.550	0.450	3.500	306.895	-3.00	6.075	306.818	-3.00	6.584	306.478	
-6.504	306.237	-6.075	306.524	-3.00	-3.500	306.601	-3.00	129+0.000			306.706	306.199	0.507	3.500	306.601	-3.00	6.075	306.524	-3.00	6.793	306.045	
-6.637	305.855	-6.075	306.230	-3.00	-3.500	306.307	-3.00	130+0.000			306.412	305.707	0.704	3.500	306.307	-3.00	6.075	306.230	-3.00	6.682	305.825	
-7.015	305.309	-6.075	305.935	-3.00	-3.500	306.013	-3.00	131+0.000			306.118	305.328	0.790	3.500	306.013	-3.00	6.075	305.935	-3.00	7.119	305.239	
-7.077	304.973	-6.075	305.641	-3.00	-3.500	305.719	-3.00	132+0.000			305.824	305.113	0.710	3.500	305.719	-3.00	6.075	305.641	-3.00	8.988	303.700	
-7.495	304.401	-6.075	305.347	-3.00	-3.500	305.424	-3.00	133+0.000			305.529	304.787	0.742	3.500	305.424	-3.00	6.075	305.347	-3.00	8.448	303.765	
-7.055	304.400	-6.075	305.053	-3.00	-3.500	305.130	-3.00	134+0.000			305.235	304.095	1.140	3.500	305.130	-3.00	6.075	305.053	-3.00	9.168	302.991	
-7.258	303.970	-6.075	304.759	-3.00	-3.500	304.836	-3.00	135+0.000			304.941	304.004	0.937	3.500	304.836	-3.00	6.075	304.759	-3.00	9.064	302.766	
-7.370	303.602	-6.075	304.465	-3.00	-3.500	304.542	-3.00	136+0.000			304.647	303.620	1.027	3.500	304.542	-3.00	6.075	304.465	-3.00	9.179	302.395	
-7.745	303.057	-6.075	304.171	-3.00	-3.500	304.248	-3.00	137+0.000			304.353	303.203	1.150	3.500	304.248	-3.00	6.075	304.171	-3.00	9.132	302.133	
-7.816	302.716	-6.075	303.877	-3.00	-3.500	303.954	-3.00	138+0.000			304.059	302.832	1.226	3.500	303.954	-3.00	6.075	303.877	-3.00	9.027	301.908	
-7.931	302.345	-6.075	303.582	-3.00	-3.500	303.660	-3.00	139+0.000			303.765	302.412	1.353	3.500	303.660	-3.00	6.075	303.582	-3.00	8.977	301.648	
-8.086	301.948	-6.075	303.288	-3.00	-3.500	303.366	-3.00	140+0.000		PCV	303.471	302.185	1.286	3.500	303.366	-3.00	6.075	303.288	-3.00	9.074	301.289	
-8.229	301.675	-6.075	303.111	-3.00	-3.500	303.188	-3.00	140+12.110			303.293	302.000	1.294	3.500	303.188	-3.00	6.075	303.111	-3.00	9.238	301.003	
-8.212	301.638	-6.075	303.063	-1.91	-3.500	303.112	-1.91	141+0.000			303.179	301.874	1.305	3.500	303.074	-3.00	6.075	302.997	-3.00	9.272	300.866	
-8.220	301.562	-6.075	302.992	-0.28	-3.500	302.999	-0.28	141+11.860	TS		303.009	301.685	1.324	3.500	302.904	-3.00	6.075	302.827	-3.00	9.157	300.772	
-8.220	301.533	-6.075	302.964	-0.28	-3.500	302.971	-0.28	141+13.860			302.980	301.723	1.258	3.500	302.875	-3.00	6.075	302.798	-3.00	9.157	300.743	
-8.427	301.398	-6.107	302.945	0.85	-3.532	302.923	0.85	142+0.000			302.893	301.613	1.280	3.532	302.787	-3.00	6.107	302.710	-3.00	9.015	300.771	
-8.721	301.169	-6.186	302.859	3.00	-3.611	302.782	3.00	142+15.610			302.674	301.128	1.545	3.614	302.565	-3.00	6.189	302.488	-3.00	8.996	300.617	
-8.941	301.015	-6.209	302.836	3.61	-3.634	302.744	3.61	143+0.000			302.613	300.642	1.971	3.636	302.481	-3.61	6.211	302.389	-3.61	8.981	300.542	
-9.684	300.489	-6.310	302.739	6.36	-3.735	302.575	6.36	144+0.000			302.337	300.190	2.148	3.742	302.099	-6.36	6.317	301.935	-6.36	8.994	300.284	
-10.275	300.087	-6.375	302.687	8.00	-3.800	302.481	8.00	144+11.860	SC		302.177	300.014	2.162	3.800	301.873	-8.00	6.375	301.667	-8.00	8.658	300.145	
-10.305	299.958	-6.375	302.578	8.00	-3.800	302.372	8.00	145+0.000			302.068	299.795	2.273	3.800	301.764	-8.00	6.375	301.558	-8.00	8.232	300.319	

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<https://aquisicoes.seplag.mt.gov.br/flow/bee-pub/#/validar/4V2L-967E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026
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Responsável Técnico
 Engenheiro Civil
 CREA-MT 1205190473

 Engenheiro Civil
 CREA: 121248337

Voluma 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara)- Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo					Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9.770	300.050	-6.375	302.313	8.00	-3.800	302.107	8.00	146+0.000			301.803	299.598	2.206	3.800	301.499	-8.00	6.375	301.293	-8.00	6.971	300.896	
-10.783	299.115	-6.375	302.054	8.00	-3.800	301.848	8.00	147+0.000			301.544	299.589	1.955	3.800	301.240	-8.00	6.375	301.034	-8.00	7.033	300.595	
-10.554	299.015	-6.375	301.801	8.00	-3.800	301.595	8.00	148+0.000			301.291	300.216	1.075	3.800	300.987	-8.00	6.375	300.781	-8.00	6.794	300.501	
-8.728	299.984	-6.375	301.553	8.00	-3.800	301.347	8.00	149+0.000			301.043	300.194	0.849	3.800	300.739	-8.00	6.375	300.533	-8.00	6.507	300.445	
-8.619	299.976	-6.375	301.471	8.00	-3.800	301.265	8.00	149+6.646			300.961	300.163	0.798	3.800	300.657	-8.00	6.375	300.451	-8.00	6.455	300.398	
-8.360	299.987	-6.375	301.310	8.00	-3.800	301.104	8.00	150+0.000		PTV	300.800	300.343	0.457	3.800	300.496	-8.00	6.375	300.290	-8.00	6.619	300.534	
-8.280	299.800	-6.375	301.070	8.00	-3.800	300.864	8.00	151+0.000			300.560	300.540	0.020	3.800	300.256	-8.00	6.375	300.050	-8.00	7.136	300.811	
-7.615	300.003	-6.375	300.830	8.00	-3.800	300.624	8.00	152+0.000			300.320	300.415	-0.095	3.800	300.016	-8.00	6.375	299.810	-8.00	7.429	300.864	
-6.749	300.341	-6.375	300.590	8.00	-3.800	300.384	8.00	153+0.000			300.080	300.213	-0.133	3.800	299.776	-8.00	6.375	299.570	-8.00	7.805	301.000	
-7.032	301.007	-6.375	300.350	8.00	-3.800	300.144	8.00	154+0.000			299.840	300.603	-0.763	3.800	299.536	-8.00	6.375	299.330	-8.00	7.635	300.590	
-7.091	301.049	-6.375	300.333	8.00	-3.800	300.127	8.00	154+1.431	CS		299.823	300.640	-0.817	3.800	299.519	-8.00	6.375	299.313	-8.00	7.639	300.577	
-7.670	301.336	-6.276	299.941	5.44	-3.701	299.801	5.44	155+0.000			299.600	301.092	-1.492	3.707	299.398	-5.44	6.282	299.258	-5.44	7.795	300.772	
-8.226	301.614	-6.186	299.573	3.00	-3.611	299.496	3.00	155+17.681			299.388	301.200	-1.813	3.614	299.279	-3.00	6.189	299.202	-3.00	7.984	300.997	
-8.483	301.833	-6.175	299.526	2.68	-3.600	299.456	2.68	156+0.000			299.360	301.205	-1.845	3.600	299.252	-3.00	6.175	299.175	-3.00	7.997	300.996	
-8.702	301.754	-6.075	299.127	0.00	-3.500	299.127	0.00	156+19.431			299.127	301.389	-2.262	3.500	299.022	-3.00	6.075	298.945	-3.00	8.124	300.993	
-8.717	301.757	-6.075	299.115	-0.08	-3.500	299.117	-0.08	157+0.000			299.120	301.457	-2.337	3.500	299.015	-3.00	6.075	298.938	-3.00	8.130	300.992	
-8.742	301.753	-6.075	299.086	-0.28	-3.500	299.093	-0.28	157+1.431	ST		299.103	301.600	-2.497	3.500	298.998	-3.00	6.075	298.921	-3.00	8.146	300.991	
-8.746	301.379	-6.075	298.708	-2.84	-3.500	298.781	-2.84	158+0.000			298.880	301.017	-2.137	3.500	298.775	-3.00	6.075	298.698	-3.00	7.835	300.458	
-8.755	301.363	-6.075	298.684	-3.00	-3.500	298.761	-3.00	158+1.181			298.866	300.881	-2.015	3.500	298.761	-3.00	6.075	298.684	-3.00	7.791	300.400	
-8.632	301.014	-6.075	298.458	-3.00	-3.500	298.535	-3.00	159+0.000			298.640	300.367	-1.727	3.500	298.558	-3.00	6.075	298.458	-3.00	7.617	300.000	
-8.857	301.000	-6.075	298.218	-3.00	-3.500	298.295	-3.00	160+0.000			298.400	299.867	-1.467	3.500	298.295	-3.00	6.075	298.218	-3.00	8.219	300.362	
-8.697	300.600	-6.075	297.978	-3.00	-3.500	298.055	-3.00	161+0.000			298.160	299.516	-1.356	3.500	298.055	-3.00	6.075	297.978	-3.00	7.648	299.551	
-8.474	300.137	-6.075	297.738	-3.00	-3.500	297.815	-3.00	162+0.000			297.920	299.201	-1.281	3.500	297.815	-3.00	6.075	297.738	-3.00	7.753	299.416	
-8.542	299.965	-6.075	297.498	-3.00	-3.500	297.575	-3.00	163+0.000			297.680	299.002	-1.322	3.500	297.575	-3.00	6.075	297.498	-3.00	7.788	299.211	
-8.306	299.489	-6.075	297.258	-3.00	-3.500	297.335	-3.00	164+0.000			297.440	298.428	-0.988	3.500	297.335	-3.00	6.075	297.258	-3.00	7.580	298.763	
-8.084	299.027	-6.075	297.018	-3.00	-3.500	297.095	-3.00	165+0.000		PCV	297.200	297.809	-0.609	3.500	297.095	-3.00	6.075	297.018	-3.00	7.461	298.404	
-7.332	298.041	-6.075	296.784	-3.00	-3.500	296.862	-3.00	166+0.000			296.967	297.335	-0.368	3.500	296.862	-3.00	6.075	296.784	-3.00	7.173	297.883	
-6.374	296.864	-6.075	296.565	-3.00	-3.500	296.642	-3.00	167+0.000			296.747	296.819	-0.072	3.500	296.642	-3.00	6.075	296.565	-3.00	7.123	297.613	
-6.170	296.295	-6.075	296.358	-3.00	-3.500	296.436	-3.00	168+0.000			296.541	296.135	0.406	3.500	296.436	-3.00	6.075	296.358	-3.00	6.670	296.953	
-6.690	295.756	-6.075	296.166	-3.00	-3.500	296.243	-3.00	169+0.000			296.348	295.545	0.803	3.500	296.243	-3.00	6.075	296.166	-3.00	6.511	295.875	
-7.139	295.277	-6.075	295.986	-3.00	-3.500	296.063	-3.00	170+0.000			296.168	294.906	1.263	3.500	296.063	-3.00	6.075	295.986	-3.00	7.374	295.120	
-7.601	294.803	-6.075	295.820	-3.00	-3.500	295.898	-3.00	171+0.000			296.003	294.559	1.443	3.500	295.898	-3.00	6.075	295.820	-3.00	10.365	292.960	
-7.721	294.570	-6.075	295.668	-3.00	-3.500	295.745	-3.00	172+0.000			295.850	294.231	1.619	3.500	295.745	-3.00	6.075	295.668	-3.00	8.946	293.754	
-7.770	294.399	-6.075	295.529	-3.00	-3.500	295.606	-3.00	173+0.000			295.711	294.200	1.511	3.500	295.606	-3.00	6.075	295.529	-3.00	8.484	293.923	
-7.674	294.337	-6.075	295.403	-3.00	-3.500	295.481	-3.00	174+0.000			295.586	294.185	1.400	3.500	295.481	-3.00	6.075	295.403	-3.00	8.544	293.758	
-7.539	294.315	-6.075	295.291	-3.00	-3.500	295.369	-3.00	175+0.000		PTV	295.474	294.200	1.274	3.500	295.369	-3.00	6.075	295.291	-3.00	8.408	293.736	
-7.254	294.400	-6.075	295.186	-3.00	-3.500	295.263	-3.00	176+0.000			295.368	294.219	1.150	3.500	295.263	-3.00	6.075	295.186	-3.00	8.554	293.533	
-7.085	294.408	-6.075	295.081	-3.00	-3.500	295.158	-3.00	177+0.000			295.263	294.391	0.872	3.500	295.158	-3.00	6.075	295.081	-3.00	8.115	293.721	
-6.339	294.799	-6.075	294.976	-3.00	-3.500	295.053	-3.00	178+0.000			295.158	294.653	0.594	3.500	295.053	-3.00	6.075	294.976	-3.00	8.409	293.419	
-6.405	295.200	-6.075	294.870	-3.00	-3.500	294.948	-3.00	179+0.000			295.053	294.657	0.396	3.500	294.948	-3.00	6.075	294.870	-3.00	8.159	293.481	
-6.510	295.200	-6.075	294.765	-3.00	-3.500	294.842	-3.00	180+0.000			294.947	294.744	0.204	3.500	294.842	-3.00	6.075	294.765	-3.00	8.274	293.299	
-6.365	294.950	-6.075	294.660	-3.00	-3.500	294.737	-3.00	181+0.000			294.842	294.474	0.368	3.500	294.737	-3.00	6.075	294.660	-3.00	7.647	293.612	

Amândia Araujo
Responsável Técnica
Engenheira Everaldo Tadeu Bezerra de Castro
Engenheira Civil
CREA-MT 12051994/3

Fabrice Henrique Eufrazio Segura
Responsável Técnico
Engenheiro Civil
CREA: 121248337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara)- Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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Nota de Serviço de Terraplenagem da MT-338. Table with columns for Lado Esquerdo, Eixo, and Lado Direito, including Offset, Bordo da Plataforma, Bordo Pista de Rolamento, Estaca, and various elevation and offset measurements.

Responsável Técnico: Engenheiro Everaldo Tadeu Bezerra de Castro. Responsável: Engenheiro Henrique Eufrazio Segura.

Volumo 3C - Nota de Serviço e Cálculo de Volume. Rodovia: MT-338. Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417. Sub Trecho: KM 664,67 - KM 689,27. Extensão Total: 24,445 km.

HASH: 4198a5b5c891a1a02089c1874b55aca14324a026bd3b1e675ac8af5a176c4. Documento assinado digitalmente, valide em https://aquisicoes.seplag.mt.gov.br/flow/bee-pub/#/validar/4VZL-967E-OU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026. 16:57:36 por AMANDA ARAUJO.





Nota de Serviço de Terraplenagem da MT-338																					
Lado Esquerdo									Eixo						Lado Direito						
Offset		Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.247	273.716	-6.375	272.844	-8.00	-3.800	273.050	-8.00	255+0.000		PTV	273.354	273.692	-0.338	3.800	273.658	8.00	6.375	273.864	8.00	6.614	274.103
-7.873	273.613	-6.375	272.115	-8.00	-3.800	272.321	-8.00	256+0.000			272.625	272.806	-0.181	3.800	272.929	8.00	6.375	273.135	8.00	7.504	272.382
-7.713	272.723	-6.375	271.386	-8.00	-3.800	271.592	-8.00	257+0.000			271.896	271.972	-0.076	3.800	272.200	8.00	6.375	272.406	8.00	7.343	271.760
-7.828	272.110	-6.375	270.657	-8.00	-3.800	270.863	-8.00	258+0.000			271.167	271.936	-0.770	3.800	271.471	8.00	6.375	271.677	8.00	6.441	271.633
-8.309	271.862	-6.375	269.927	-8.00	-3.800	270.133	-8.00	259+0.000			270.438	271.539	-1.102	3.800	270.741	8.00	6.375	270.947	8.00	6.621	271.194
-8.606	271.429	-6.375	269.198	-8.00	-3.800	269.404	-8.00	260+0.000			269.708	271.285	-1.576	3.800	270.012	8.00	6.375	270.218	8.00	7.170	271.013
-9.084	271.178	-6.375	268.469	-8.00	-3.800	268.675	-8.00	261+0.000			268.979	271.037	-2.058	3.800	269.283	8.00	6.375	269.489	8.00	7.630	270.744
-9.144	271.011	-6.375	268.242	-8.00	-3.800	268.448	-8.00	261+6.227			268.752	270.842	-2.090	3.800	269.056	8.00	6.375	269.262	8.00	7.660	270.547
-9.234	270.599	-6.375	267.740	-8.00	-3.800	267.946	-8.00	262+0.000			268.250	270.380	-2.130	3.800	268.554	8.00	6.375	268.760	8.00	7.659	270.044
-9.257	269.892	-6.375	267.011	-8.00	-3.800	267.217	-8.00	263+0.000			267.521	269.815	-2.294	3.800	267.825	8.00	6.375	268.031	8.00	7.949	269.605
-9.305	269.212	-6.375	266.282	-8.00	-3.800	266.488	-8.00	264+0.000			266.792	269.109	-2.317	3.800	267.096	8.00	6.375	267.302	8.00	8.104	269.030
-9.067	268.244	-6.375	265.553	-8.00	-3.800	265.759	-8.00	265+0.000			266.063	268.407	-2.344	3.800	266.366	8.00	6.375	266.572	8.00	8.007	268.204
-8.964	267.402	-6.375	264.823	-8.00	-3.800	265.029	-8.00	266+0.000			265.333	267.580	-2.247	3.800	265.637	8.00	6.375	265.843	8.00	6.375	265.843
-8.453	266.172	-6.375	264.094	-8.00	-3.800	264.300	-8.00	267+0.000		PCV	264.604	266.214	-1.610	3.800	264.908	8.00	6.375	265.114	8.00	7.248	264.532
-7.327	264.363	-6.375	263.411	-8.00	-3.800	263.617	-8.00	268+0.000			263.921	261.793	2.127	3.800	264.225	8.00	6.375	264.431	8.00	7.525	263.664
-6.904	262.639	-6.375	262.991	-8.00	-3.800	263.197	-8.00	268+13.819	CS		263.501	261.574	1.928	3.800	263.805	8.00	6.375	264.011	8.00	8.613	262.519
-7.892	261.843	-6.344	262.875	-7.15	-3.769	263.059	-7.15	269+0.000			263.328	261.260	2.068	3.767	263.597	7.15	6.342	263.781	7.15	9.097	261.944
-9.614	260.304	-6.241	262.553	-4.39	-3.666	262.666	-4.39	270+0.000			262.827	260.458	2.369	3.663	262.988	4.39	6.238	263.101	4.39	10.540	260.233
-10.124	259.800	-6.189	262.423	-3.00	-3.614	262.501	-3.00	270+10.069			262.609	259.824	2.785	3.611	262.717	3.00	6.186	262.795	3.00	10.829	259.699
-10.691	259.197	-6.137	262.233	-3.00	-3.562	262.310	-3.00	271+0.000			262.417	259.669	2.748	3.560	262.475	1.63	6.135	262.517	1.63	11.206	259.136
-10.666	258.974	-6.075	262.035	-3.00	-3.500	262.112	-3.00	271+11.819			262.217	259.405	2.812	3.500	262.217	0.00	6.075	262.217	0.00	10.598	259.202
-10.654	258.951	-6.075	262.004	-3.00	-3.500	262.082	-3.00	271+13.819	ST		262.187	259.400	2.786	3.500	262.177	-0.28	6.075	262.170	-0.28	10.477	259.235
-10.522	258.951	-6.075	261.915	-3.00	-3.500	261.993	-3.00	272+0.000			262.098	259.401	2.696	3.500	262.058	-1.13	6.075	262.029	-1.13	10.286	259.222
-10.511	258.793	-6.075	261.751	-3.00	-3.500	261.828	-3.00	272+13.569			261.933	259.351	2.582	3.500	261.828	-3.00	6.075	261.751	-3.00	10.676	258.684
-10.546	258.707	-6.075	261.688	-3.00	-3.500	261.765	-3.00	273+0.000			261.870	259.398	2.472	3.500	261.765	-3.00	6.075	261.688	-3.00	10.717	258.593
-12.007	257.596	-6.075	261.551	-3.00	-3.500	261.628	-3.00	274+0.000			261.733	258.162	3.571	3.500	261.628	-3.00	6.075	261.551	-3.00	12.021	257.587
-9.626	259.138	-6.075	261.505	-3.00	-3.500	261.583	-3.00	275+0.000			261.688	260.076	1.612	3.500	261.583	-3.00	6.075	261.505	-3.00	9.293	259.360
-8.754	259.765	-6.075	261.551	-3.00	-3.500	261.628	-3.00	276+0.000			261.733	260.236	1.497	3.500	261.628	-3.00	6.075	261.551	-3.00	8.380	260.014
-8.324	260.188	-6.075	261.688	-3.00	-3.500	261.765	-3.00	277+0.000			261.870	260.641	1.229	3.500	261.765	-3.00	6.075	261.688	-3.00	8.786	259.880
-7.744	260.803	-6.075	261.915	-3.00	-3.500	261.993	-3.00	278+0.000			262.098	261.263	0.835	3.500	261.993	-3.00	6.075	261.915	-3.00	8.347	260.401
-6.776	261.767	-6.075	262.234	-3.00	-3.500	262.312	-3.00	279+0.000			262.417	262.145	0.272	3.500	262.312	-3.00	6.075	262.234	-3.00	7.798	261.086
-6.077	262.643	-6.075	262.645	-3.00	-3.500	262.722	-3.00	280+0.000			262.827	262.961	-0.134	3.500	262.722	-3.00	6.075	262.645	-3.00	6.140	262.601
-6.382	263.453	-6.075	263.146	-3.00	-3.500	263.223	-3.00	281+0.000		PTV	263.328	263.851	-0.523	3.500	263.223	-3.00	6.075	263.146	-3.00	6.201	263.272
-6.546	264.164	-6.075	263.693	-3.00	-3.500	263.770	-3.00	282+0.000			263.875	264.490	-0.615	3.500	263.770	-3.00	6.075	263.693	-3.00	6.494	264.111
-6.849	265.013	-6.075	264.240	-3.00	-3.500	264.317	-3.00	283+0.000			264.422	265.142	-0.720	3.500	264.317	-3.00	6.075	264.240	-3.00	6.626	264.591
-7.254	265.912	-6.075	264.733	-3.00	-3.500	264.810	-3.00	283+18.050			264.915	265.803	-0.887	3.500	264.810	-3.00	6.075	264.733	-3.00	6.484	265.143
-7.261	265.989	-6.075	264.803	-2.73	-3.500	264.873	-2.73	284+0.000			264.969	265.866	-0.897	3.500	264.864	-3.00	6.075	264.787	-3.00	6.499	265.210
-7.045	266.409	-6.075	265.439	-0.28	-3.500	265.446	-0.28	284+17.800	TS		265.455	266.393	-0.938	3.500	265.393	-3.00	6.075	265.273	-3.00	6.600	265.798
-7.045	266.463	-6.075	265.493	-0.28	-3.500	265.500	-0.28	284+19.800			265.510	266.420	-0.910	3.500	265.405	-3.00	6.075	265.328	-3.00	6.600	265.853
-7.063	266.504	-6.076	265.517	0.03	-3.501	265.517	0.03	285+0.000			265.516	266.421	-0.906	3.501	265.411	-3.00	6.076	265.338	-3.00	6.541	265.799
-6.815	266.871	-6.178	266.235	2.79	-3.603	266.163	2.79	286+0.000			266.063	266.913	-0.851	3.606	265.954	-3.00	6.181	265.877	-3.00	6.610	266.306
-6.813	266.918	-6.186	266.290	3.00	-3.611	266.213	3.00	286+1.550			266.105	266.960	-0.855	3.614	265.996	-3.00	6.189	265.919	-3.00	6.549	266.279

Responsável Técnico
Engenheiro Civil
CREA-MT 1205190473

Coordenador
Engenheiro Civil
CREA: 112148337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.522	267.200	-6.279	266.958	5.54	-3.704	266.815	5.54	287+0.000			266.609	267.201	-0.592	3.712	266.404	-5.54	6.287	266.261	-5.54	6.476	266.450	
-6.672	267.408	-6.375	267.606	8.00	-3.800	267.400	8.00	287+17.800	SC		267.096	267.348	-0.252	3.800	266.792	-8.00	6.375	266.586	-8.00	6.484	266.696	
-6.654	267.480	-6.375	267.666	8.00	-3.800	267.460	8.00	288+0.000			267.156	267.338	-0.181	3.800	266.852	-8.00	6.375	266.646	-8.00	6.507	266.778	
-6.819	267.917	-6.375	268.213	8.00	-3.800	268.007	8.00	289+0.000			267.703	267.371	0.332	3.800	267.399	-8.00	6.375	267.193	-8.00	7.592	268.411	
-7.351	268.032	-6.375	268.682	8.00	-3.800	268.476	8.00	289+17.160			268.172	267.387	0.786	3.800	267.868	-8.00	6.375	267.662	-8.00	8.078	269.365	
-7.453	268.041	-6.375	268.760	8.00	-3.800	268.554	8.00	290+0.000			268.250	267.395	0.855	3.800	267.946	-8.00	6.375	267.740	-8.00	7.985	269.350	
-8.083	268.168	-6.375	269.307	8.00	-3.800	269.101	8.00	291+0.000			268.797	267.765	1032	3.800	268.493	-8.00	6.375	268.287	-8.00	7.192	269.104	
-11.194	266.546	-6.375	269.759	8.00	-3.800	269.553	8.00	291+16.521	CS		269.249	268.456	0.793	3.800	268.945	-8.00	6.375	268.739	-8.00	7.201	268.188	
-12.103	265.990	-6.356	269.822	7.52	-3.781	269.628	7.52	292+0.000			269.344	268.595	0.749	3.783	269.059	-7.52	6.358	268.866	-7.52	7.200	268.304	
-10.065	267.645	-6.251	270.188	4.76	-3.676	270.066	4.76	293+0.000			269.891	268.906	0.984	3.681	269.715	-4.76	6.256	269.593	-4.76	7.109	269.024	
-10.111	267.809	-6.186	270.425	3.00	-3.611	270.348	3.00	293+12.771			270.240	269.052	1188	3.614	270.131	-3.00	6.189	270.054	-3.00	7.069	269.468	
-9.958	268.021	-6.149	270.561	2.00	-3.574	270.509	2.00	294+0.000			270.438	269.241	1197	3.577	270.330	-3.00	6.152	270.253	-3.00	7.010	269.680	
-9.329	268.665	-6.075	270.835	0.00	-3.500	270.835	0.00	294+14.521			270.835	269.822	1013	3.500	270.730	-3.00	6.075	270.652	-3.00	6.881	270.115	
-9.228	268.770	-6.075	270.872	-0.28	-3.500	270.880	-0.28	294+16.521	ST		270.889	269.836	1053	3.500	270.784	-3.00	6.075	270.707	-3.00	6.833	270.201	
-9.141	268.894	-6.075	270.938	-0.76	-3.500	270.958	-0.76	295+0.000			270.984	269.960	1025	3.500	270.879	-3.00	6.075	270.802	-3.00	6.817	270.307	
-8.679	269.511	-6.075	271.247	-3.00	-3.500	271.324	-3.00	295+16.271			271.429	270.363	1066	3.500	271.324	-3.00	6.075	271.247	-3.00	6.802	270.763	
-8.769	269.553	-6.075	271.349	-3.00	-3.500	271.426	-3.00	296+0.000			271.531	270.539	0.992	3.500	271.426	-3.00	6.075	271.349	-3.00	6.768	270.887	
-8.108	270.540	-6.075	271.896	-3.00	-3.500	271.973	-3.00	297+0.000			272.078	271.170	0.908	3.500	271.973	-3.00	6.075	271.896	-3.00	6.422	271.665	
-6.970	271.846	-6.075	272.443	-3.00	-3.500	272.520	-3.00	298+0.000			272.625	272.480	0.145	3.500	272.520	-3.00	6.075	272.443	-3.00	6.506	272.874	
-6.494	272.710	-6.075	272.990	-3.00	-3.500	273.067	-3.00	299+0.000			273.172	273.200	-0.028	3.500	273.067	-3.00	6.075	272.990	-3.00	6.524	273.439	
-6.089	273.551	-6.075	273.536	-3.00	-3.500	273.614	-3.00	300+0.000			273.719	274.126	-0.407	3.500	273.614	-3.00	6.075	273.536	-3.00	6.945	274.407	
-6.155	274.164	-6.075	274.083	-3.00	-3.500	274.161	-3.00	301+0.000		PCV	274.266	274.518	-0.253	3.500	274.161	-3.00	6.075	274.083	-3.00	7.099	275.107	
-6.129	274.667	-6.075	274.612	-3.00	-3.500	274.689	-3.00	302+0.000			274.794	275.110	-0.316	3.500	274.689	-3.00	6.075	274.612	-3.00	7.272	275.809	
-6.226	275.004	-6.075	275.105	-3.00	-3.500	275.182	-3.00	303+0.000			275.287	275.589	-0.302	3.500	275.182	-3.00	6.075	275.105	-3.00	7.490	276.520	
-6.543	276.029	-6.075	275.561	-3.00	-3.500	275.638	-3.00	304+0.000			275.743	276.516	-0.773	3.500	275.638	-3.00	6.075	275.561	-3.00	7.712	277.198	
-6.450	276.356	-6.075	275.981	-3.00	-3.500	276.058	-3.00	305+0.000			276.163	276.903	-0.740	3.500	276.058	-3.00	6.075	275.981	-3.00	7.492	277.398	
-6.708	276.998	-6.075	276.364	-3.00	-3.500	276.442	-3.00	306+0.000			276.547	277.394	-0.847	3.500	276.442	-3.00	6.075	276.364	-3.00	7.583	277.872	
-6.470	277.107	-6.075	276.712	-3.00	-3.500	276.789	-3.00	307+0.000			276.894	277.774	-0.880	3.500	276.789	-3.00	6.075	276.712	-3.00	7.712	278.349	
-6.590	277.537	-6.075	277.023	-3.00	-3.500	277.100	-3.00	308+0.000			277.205	278.019	-0.814	3.500	277.100	-3.00	6.075	277.023	-3.00	7.248	278.196	
-6.412	277.635	-6.075	277.298	-3.00	-3.500	277.375	-3.00	309+0.000			277.480	277.915	-0.434	3.500	277.375	-3.00	6.075	277.298	-3.00	6.675	277.997	
-6.578	277.201	-6.075	277.536	-3.00	-3.500	277.614	-3.00	310+0.000			277.719	277.754	-0.035	3.500	277.614	-3.00	6.075	277.536	-3.00	6.333	277.794	
-7.130	277.036	-6.075	277.739	-3.00	-3.500	277.816	-3.00	311+0.000		PTV	277.921	277.420	0.501	3.500	277.816	-3.00	6.075	277.739	-3.00	6.386	277.531	
-7.365	277.050	-6.075	277.910	-3.00	-3.500	277.987	-3.00	311+18.570			278.092	277.400	0.692	3.500	277.987	-3.00	6.075	277.910	-3.00	6.840	277.400	
-7.328	277.100	-6.075	277.935	-2.80	-3.500	278.007	-2.80	312+0.000			278.105	277.400	0.705	3.500	278.000	-3.00	6.075	277.923	-3.00	6.860	277.400	
-7.361	277.400	-6.075	278.257	-0.28	-3.500	278.264	-0.28	312+18.320	TS		278.274	277.401	0.873	3.500	278.169	-3.00	6.075	278.092	-3.00	6.909	277.536	
-7.405	277.400	-6.075	278.287	-0.04	-3.500	278.288	-0.04	313+0.000			278.289	277.401	0.889	3.500	278.184	-3.00	6.075	278.107	-3.00	6.822	277.610	
-7.405	277.403	-6.075	278.290	-0.04	-3.500	278.291	-0.04	313+0.320			278.292	277.401	0.891	3.500	278.187	-3.00	6.075	278.110	-3.00	6.822	277.612	
-8.093	277.363	-6.176	278.641	2.71	-3.601	278.571	2.71	314+0.000			278.474	277.404	1070	3.603	278.366	-3.00	6.178	278.288	-3.00	6.978	277.755	
-8.144	277.373	-6.186	278.678	3.00	-3.611	278.601	3.00	314+2.070			278.493	277.441	1051	3.614	278.384	-3.00	6.189	278.307	-3.00	7.005	277.763	
-8.263	277.677	-6.277	279.001	5.47	-3.702	278.861	5.47	315+0.000			278.658	277.487	1170	3.708	278.455	-5.47	6.283	278.314	-5.47	6.994	277.840	
-8.259	278.081	-6.375	279.337	8.00	-3.800	279.131	8.00	315+18.320	SC		278.827	277.195	1632	3.800	278.523	-8.00	6.375	278.317	-8.00	6.902	277.965	
-8.277	278.084	-6.375	279.352	8.00	-3.800	279.146	8.00	316+0.000			278.842	277.192	1650	3.800	278.538	-8.00	6.375	278.332	-8.00	6.832	278.028	

Engenheiro
 Responsável Técnico
 Engenheiro Everaldo Tadeu Bezerra de Castro
 Engenheiro Civil
 CREA-MT 1205190473

Engenheiro
 Responsável Técnico
 Engenheiro Fabiano Henrique Eufrazio Segura
 Engenheiro Civil
 CREA: 121248337-7

Voluma 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24.445 km



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Nota de Serviço de Terraplenagem da MT-338

Lado Esquerdo									Eixo					Lado Direito								
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.457	278.148	-6.375	279.536	8.00	-3.800	279.330	8.00	317+0.000			279.026	277.034	1993	3.800	278.722	-8.00	6.375	278.516	-8.00	6.947	278.135	
-8.962	277.996	-6.375	279.721	8.00	-3.800	279.515	8.00	318+0.000			279.211	277.423	1788	3.800	278.907	-8.00	6.375	278.701	-8.00	6.468	278.793	
-9.114	278.043	-6.375	279.869	8.00	-3.800	279.663	8.00	318+16.115			279.359	277.931	1428	3.800	279.055	-8.00	6.375	278.849	-8.00	6.506	278.762	
-9.183	278.033	-6.375	279.905	8.00	-3.800	279.699	8.00	319+0.000			279.395	277.800	1595	3.800	279.091	-8.00	6.375	278.885	-8.00	6.532	278.780	
-9.508	278.000	-6.375	280.089	8.00	-3.800	279.883	8.00	320+0.000		PCV	279.579	277.800	1779	3.800	279.275	-8.00	6.375	279.069	-8.00	7.235	278.496	
-9.643	278.040	-6.375	280.219	8.00	-3.800	280.013	8.00	321+0.000			279.709	278.199	1509	3.800	279.405	-8.00	6.375	279.199	-8.00	8.095	278.052	
-8.919	278.548	-6.375	280.244	8.00	-3.800	280.038	8.00	321+13.911	CS		279.734	278.449	1285	3.800	279.430	-8.00	6.375	279.224	-8.00	7.480	278.488	
-8.503	278.742	-6.342	280.183	7.16	-3.767	279.999	7.16	322+0.000			279.729	278.601	1128	3.770	279.459	-7.16	6.345	279.275	-7.16	7.371	278.591	
-7.199	279.275	-6.239	279.915	4.40	-3.664	279.802	4.40	323+0.000			279.640	279.224	0.417	3.666	279.479	-4.40	6.241	279.366	-4.40	6.480	279.206	
-6.219	279.717	-6.186	279.739	3.00	-3.611	279.662	3.00	323+10.161			279.554	279.636	-0.082	3.614	279.445	-3.00	6.189	279.368	-3.00	6.428	279.607	
-6.954	280.362	-6.136	279.544	1.64	-3.561	279.501	1.64	324+0.000			279.443	280.060	-0.618	3.563	279.336	-3.00	6.138	279.259	-3.00	6.904	280.025	
-7.838	281.036	-6.075	279.273	0.00	-3.500	279.273	0.00	324+11.911			279.273	280.550	-1277	3.500	279.168	-3.00	6.075	279.091	-3.00	7.383	280.399	
-7.943	281.092	-6.075	279.224	-0.28	-3.500	279.231	-0.28	324+13.911	ST		279.241	280.610	-1369	3.500	279.136	-3.00	6.075	279.059	-3.00	7.474	280.457	
-8.212	281.205	-6.075	279.068	-1.12	-3.500	279.097	-1.12	325+0.000			279.136	280.717	-1581	3.500	279.031	-3.00	6.075	278.954	-3.00	7.719	280.598	
-8.912	281.519	-6.075	278.681	-3.00	-3.500	278.758	-3.00	325+13.661			278.863	280.657	-1793	3.500	278.758	-3.00	6.075	278.681	-3.00	7.972	280.579	
-9.214	281.677	-6.075	278.538	-3.00	-3.500	278.615	-3.00	326+0.000			278.720	280.578	-1858	3.500	278.615	-3.00	6.075	278.538	-3.00	7.907	280.370	
-8.862	280.800	-6.075	278.012	-3.00	-3.500	278.090	-3.00	327+0.000			278.195	280.055	-1861	3.500	278.090	-3.00	6.075	278.012	-3.00	7.860	279.797	
-9.040	280.343	-6.075	277.378	-3.00	-3.500	277.455	-3.00	328+0.000			277.560	279.430	-1870	3.500	277.455	-3.00	6.075	277.378	-3.00	7.892	279.195	
-9.286	279.846	-6.075	276.635	-3.00	-3.500	276.712	-3.00	329+0.000			276.817	278.692	-1876	3.500	276.712	-3.00	6.075	276.635	-3.00	8.040	278.599	
-9.720	279.427	-6.075	275.782	-3.00	-3.500	275.859	-3.00	330+0.000		PTV	275.954	278.005	-2040	3.500	275.859	-3.00	6.075	275.782	-3.00	8.161	277.868	
-9.962	278.762	-6.075	274.875	-3.00	-3.500	274.952	-3.00	331+0.000			275.057	278.975	-1918	3.500	274.952	-3.00	6.075	274.875	-3.00	8.421	277.221	
-9.578	277.470	-6.075	273.968	-3.00	-3.500	274.045	-3.00	332+0.000			274.150	275.808	-1658	3.500	274.045	-3.00	6.075	273.968	-3.00	8.454	276.347	
-8.504	275.489	-6.075	273.061	-3.00	-3.500	273.138	-3.00	333+0.000			273.243	274.604	-1361	3.500	273.138	-3.00	6.075	273.061	-3.00	7.904	274.890	
-6.665	272.744	-6.075	272.153	-3.00	-3.500	272.231	-3.00	334+0.000		PCV	272.336	272.987	-0.652	3.500	272.231	-3.00	6.075	272.153	-3.00	7.149	273.228	
-6.102	271.314	-6.075	271.286	-3.00	-3.500	271.364	-3.00	335+0.000			271.469	271.086	0.383	3.500	271.364	-3.00	6.075	271.286	-3.00	6.096	271.307	
-7.124	269.800	-6.075	270.499	-3.00	-3.500	270.577	-3.00	336+0.000			270.682	269.688	0.994	3.500	270.577	-3.00	6.075	270.499	-3.00	7.491	269.555	
-7.564	268.800	-6.075	269.793	-3.00	-3.500	269.870	-3.00	337+0.000			269.975	268.660	1315	3.500	269.870	-3.00	6.075	269.793	-3.00	8.462	268.201	
-7.767	268.038	-6.075	269.166	-3.00	-3.500	269.243	-3.00	338+0.000			269.348	268.086	1262	3.500	269.243	-3.00	6.075	269.166	-3.00	12.206	265.078	
-10.457	265.698	-6.075	268.619	-3.00	-3.500	268.697	-3.00	339+0.000			268.802	266.527	2274	3.500	268.697	-3.00	6.075	268.619	-3.00	11.551	264.969	
-6.304	268.000	-6.075	268.153	-3.00	-3.500	268.230	-3.00	340+0.000			268.335	268.035	0.300	3.500	268.230	-3.00	6.075	268.153	-3.00	7.145	267.439	
-6.302	267.994	-6.075	267.767	-3.00	-3.500	267.844	-3.00	341+0.000			267.949	268.634	-0.685	3.500	267.844	-3.00	6.075	267.767	-3.00	6.801	268.493	
-9.443	270.829	-6.075	267.460	-3.00	-3.500	267.538	-3.00	342+0.000			267.643	269.561	-1918	3.500	267.538	-3.00	6.075	267.460	-3.00	8.049	269.434	
-10.639	271.798	-6.075	267.234	-3.00	-3.500	267.312	-3.00	343+0.000			267.417	270.376	-2959	3.500	267.312	-3.00	6.075	267.234	-3.00	9.147	270.306	
-11.524	272.537	-6.075	267.088	-3.00	-3.500	267.166	-3.00	344+0.000		PTV	267.271	271.026	-3756	3.500	267.166	-3.00	6.075	267.088	-3.00	9.913	270.926	
-12.352	273.260	-6.075	266.982	-3.00	-3.500	267.060	-3.00	345+0.000			267.165	271.616	-4451	3.500	267.060	-3.00	6.075	266.982	-3.00	10.691	271.599	
-12.623	273.424	-6.075	266.877	-3.00	-3.500	266.954	-3.00	346+0.000			267.059	272.196	-5137	3.500	266.954	-3.00	6.075	266.877	-3.00	11.376	272.178	
-12.985	273.681	-6.075	266.771	-3.00	-3.500	266.848	-3.00	347+0.000			266.953	272.193	-5240	3.500	266.848	-3.00	6.075	266.771	-3.00	11.568	272.264	
-12.096	272.686	-6.075	266.665	-3.00	-3.500	266.742	-3.00	348+0.000			266.847	271.591	-4744	3.500	266.742	-3.00	6.075	266.665	-3.00	10.941	271.530	
-11.439	271.923	-6.075	266.559	-3.00	-3.500	266.636	-3.00	349+0.000			266.741	270.497	-3756	3.500	266.636	-3.00	6.075	266.559	-3.00	9.905	270.389	
-10.224	270.602	-6.075	266.453	-3.00	-3.500	266.530	-3.00	350+0.000			266.635	269.299	-2664	3.500	266.530	-3.00	6.075	266.453	-3.00	8.743	269.121	
-9.239	269.511	-6.075	266.347	-3.00	-3.500	266.424	-3.00	351+0.000		PCV	266.529	268.113	-1593	3.500	266.424	-3.00	6.075	266.347	-3.00	7.551	267.823	
-7.861	268.047	-6.075	266.261	-3.00	-3.500	266.339	-3.00	352+0.000			266.444	266.943	-0.500	3.500	266.339	-3.00	6.075	266.261	-3.00	6.538	266.724	

Engenheiro Civil
Engenheiro Everaldo Tadeu Bezerra de Castro
CREA: MT 1205190473

Engenheiro Civil
Responsável Técnico
Engenheiro Everaldo Tadeu Bezerra de Castro
CREA: 121248337-7

Volum 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417
Sub Trecho: KM 664,67 - KM 689,27
Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338. Table with columns for Lado Esquerdo, Eixo, and Lado Direito. Rows include stationing and elevation data.

Volum 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
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Responsible Engineer: Engenheiro Everaldo Tadeu Bezerra de Castro
Responsible Technician: Engenheiro Everaldo Tadeu Bezerra de Castro

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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9.849	279.401	-6.075	275.627	-3.00	-3.500	275.705	-3.00	383+18.046			275.810	278.407	-2597	3.500	275.705	-3.00	6.075	275.627	-3.00	8.785	278.337	
-9.826	279.350	-6.075	275.599	-3.00	-3.500	275.676	-3.00	384+0.000			275.781	278.356	-2575	3.500	275.676	-3.00	6.075	275.599	-3.00	8.724	278.248	
-9.658	278.803	-6.075	275.219	-3.00	-3.500	275.297	-3.00	385+0.000			275.402	277.657	-2255	3.500	275.297	-3.00	6.075	275.219	-3.00	8.247	277.391	
-9.295	277.900	-6.075	274.680	-3.00	-3.500	274.757	-3.00	386+0.000			274.862	276.968	-2106	3.500	274.757	-3.00	6.075	274.680	-3.00	8.056	276.661	
-9.374	277.279	-6.075	273.980	-3.00	-3.500	274.057	-3.00	387+0.000			274.162	276.253	-2090	3.500	274.057	-3.00	6.075	273.980	-3.00	8.031	275.937	
-9.495	276.541	-6.075	273.121	-3.00	-3.500	273.198	-3.00	388+0.000		PTV	273.303	275.419	-2116	3.500	273.198	-3.00	6.075	273.121	-3.00	8.110	275.155	
-9.555	275.661	-6.075	272.181	-3.00	-3.500	272.259	-3.00	389+0.000			272.364	274.511	-2147	3.500	272.259	-3.00	6.075	272.181	-3.00	8.115	274.221	
-9.608	274.775	-6.075	271.242	-3.00	-3.500	271.319	-3.00	390+0.000			271.424	273.627	-2202	3.500	271.319	-3.00	6.075	271.242	-3.00	8.089	273.256	
-9.702	273.930	-6.075	270.303	-3.00	-3.500	270.380	-3.00	391+0.000			270.485	272.815	-2330	3.500	270.380	-3.00	6.075	270.303	-3.00	8.264	272.492	
-9.715	273.003	-6.075	269.363	-3.00	-3.500	269.440	-3.00	392+0.000			269.545	271.991	-2446	3.500	269.440	-3.00	6.075	269.363	-3.00	8.157	271.445	
-9.685	272.034	-6.075	268.424	-3.00	-3.500	268.501	-3.00	393+0.000			268.606	271.002	-2396	3.500	268.501	-3.00	6.075	268.424	-3.00	8.287	270.635	
-9.841	271.250	-6.075	267.484	-3.00	-3.500	267.562	-3.00	394+0.000			267.667	269.981	-2314	3.500	267.562	-3.00	6.075	267.484	-3.00	7.926	269.336	
-9.371	269.841	-6.075	266.545	-3.00	-3.500	266.622	-3.00	395+0.000			266.727	268.829	-2102	3.500	266.622	-3.00	6.075	266.545	-3.00	7.905	268.375	
-8.763	268.294	-6.075	265.606	-3.00	-3.500	265.683	-3.00	396+0.000			265.788	267.153	-1365	3.500	265.683	-3.00	6.075	265.606	-3.00	7.238	266.769	
-7.142	265.733	-6.075	264.666	-3.00	-3.500	264.743	-3.00	397+0.000			264.848	265.197	-0.348	3.500	264.743	-3.00	6.075	264.666	-3.00	6.446	265.038	
-6.132	263.689	-6.075	263.727	-3.00	-3.500	263.804	-3.00	398+0.000			263.909	263.630	0.279	3.500	263.804	-3.00	6.075	263.727	-3.00	6.719	263.298	
-6.126	262.754	-6.075	262.787	-3.00	-3.500	262.865	-3.00	399+0.000			262.970	262.269	0.701	3.500	262.865	-3.00	6.075	262.787	-3.00	7.405	261.901	
-6.687	261.440	-6.075	261.848	-3.00	-3.500	261.925	-3.00	400+0.000			262.030	260.874	1157	3.500	261.925	-3.00	6.075	261.848	-3.00	7.790	260.705	
-6.967	260.314	-6.075	260.909	-3.00	-3.500	260.986	-3.00	401+0.000			261.091	259.734	1357	3.500	260.986	-3.00	6.075	260.909	-3.00	7.872	259.711	
-7.188	259.227	-6.075	259.969	-3.00	-3.500	260.047	-3.00	402+0.000			260.152	258.850	1302	3.500	260.047	-3.00	6.075	259.969	-3.00	8.205	258.549	
-7.217	258.268	-6.075	259.030	-3.00	-3.500	259.107	-3.00	403+0.000			259.212	257.763	1449	3.500	259.107	-3.00	6.075	259.030	-3.00	8.613	257.338	
-7.539	257.114	-6.075	258.090	-3.00	-3.500	258.168	-3.00	404+0.000			258.273	256.472	1801	3.500	258.168	-3.00	6.075	258.090	-3.00	8.813	256.265	
-7.546	256.320	-6.075	257.301	-3.00	-3.500	257.379	-3.00	404+16.803			257.484	255.290	2193	3.500	257.379	-3.00	6.075	257.301	-3.00	8.841	255.457	
-7.920	255.948	-6.075	257.178	-2.56	-3.500	257.244	-2.56	405+0.000			257.333	255.074	2259	3.500	257.228	-3.00	6.075	257.151	-3.00	8.872	255.286	
-8.025	255.710	-6.075	257.010	-1.95	-3.500	257.080	-1.95	405+4.365	TS		257.128	254.806	2323	3.500	257.023	-3.00	6.075	256.946	-3.00	8.884	255.073	
-8.387	254.929	-6.075	256.471	0.00	-3.500	256.471	0.00	405+18.365			256.471	254.043	2428	3.500	256.366	-3.00	6.075	256.288	-3.00	8.921	254.391	
-8.398	254.863	-6.082	256.408	0.23	-3.507	256.402	0.23	406+0.000	PCV		256.394	253.962	2432	3.508	256.289	-3.00	6.083	256.211	-3.00	8.773	254.418	
-8.980	253.807	-6.168	255.682	3.00	-3.593	255.605	3.00	406+19.928			255.497	253.250	2247	3.595	255.389	-3.00	6.170	255.312	-3.00	8.662	253.650	
-8.977	253.807	-6.168	255.680	3.01	-3.593	255.602	3.01	407+0.000			255.494	253.248	2246	3.595	255.386	-3.01	6.170	255.308	-3.01	8.661	253.648	
-9.267	253.026	-6.255	255.035	5.79	-3.680	254.886	5.79	408+0.000			254.672	252.764	1908	3.682	254.459	-5.79	6.257	254.310	-5.79	9.136	252.391	
-9.480	252.768	-6.275	254.905	6.40	-3.700	254.740	6.40	408+4.365	SC		254.504	252.630	1874	3.700	254.267	-6.40	6.275	254.102	-6.40	9.128	252.200	
-9.878	251.929	-6.275	254.331	6.40	-3.700	254.166	6.40	409+0.000			253.930	252.212	1717	3.700	253.693	-6.40	6.275	253.528	-6.40	8.522	252.030	
-10.055	251.147	-6.275	253.667	6.40	-3.700	253.502	6.40	410+0.000			253.265	251.522	1744	3.700	253.029	-6.40	6.275	252.864	-6.40	8.391	251.453	
-10.836	250.041	-6.275	253.082	6.40	-3.700	252.917	6.40	411+0.000			252.680	250.726	1954	3.700	252.443	-6.40	6.275	252.278	-6.40	8.246	250.964	
-11.055	249.388	-6.275	252.575	6.40	-3.700	252.410	6.40	412+0.000			252.173	249.814	2359	3.700	251.936	-6.40	6.275	251.771	-6.40	8.022	250.607	
-11.231	248.843	-6.275	252.146	6.40	-3.700	251.982	6.40	413+0.000			251.745	249.390	2355	3.700	251.508	-6.40	6.275	251.343	-6.40	7.966	250.216	
-10.996	248.650	-6.275	251.797	6.40	-3.700	251.632	6.40	414+0.000			251.395	249.145	2250	3.700	251.158	-6.40	6.275	250.994	-6.40	8.287	249.652	
-10.905	248.439	-6.275	251.526	6.40	-3.700	251.361	6.40	415+0.000			251.124	248.819	2305	3.700	250.887	-6.40	6.275	250.723	-6.40	7.938	249.614	
-10.651	248.494	-6.275	251.411	6.40	-3.700	251.246	6.40	415+10.960			251.009	248.528	2481	3.700	250.772	-6.40	6.275	250.607	-6.40	8.987	248.800	

Engenheiro Everaldo Tadeu Bezerra de Castro
 Responsável Técnica
 Engenheira Civil
 CREA-MT 1200190473

Engenheira Fabrice Henriques Eufrazio Segura
 Engenheira Civil
 CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km



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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Lado Direito													
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-10.988	248.192	-6.275	251.333	6.40	-3.700	251.169	6.40	416+0.000			250.932	248.341	2591	3.700	250.695	-6.40	6.275	250.530	-6.40	9.035	248.691	
-10.830	248.183	-6.275	251.220	6.40	-3.700	251.055	6.40	417+0.000			250.818	248.199	2620	3.700	250.581	-6.40	6.275	250.417	-6.40	9.012	248.592	
-11.655	247.598	-6.275	251.185	6.40	-3.700	251.020	6.40	418+0.000			250.783	248.036	2747	3.700	250.546	-6.40	6.275	250.381	-6.40	9.918	247.953	
-11.942	247.450	-6.275	251.228	6.40	-3.700	251.063	6.40	419+0.000			250.827	247.000	3827	3.700	250.590	-6.40	6.275	250.425	-6.40	11.264	247.099	
-10.115	248.790	-6.275	251.350	6.40	-3.700	251.186	6.40	420+0.000			250.949	249.034	1915	3.700	250.712	-6.40	6.275	250.547	-6.40	7.202	249.929	
-12.202	247.600	-6.275	251.551	6.40	-3.700	251.386	6.40	421+0.000			251.150	249.698	1452	3.700	250.913	-6.40	6.275	250.748	-6.40	6.836	250.374	
-10.031	249.327	-6.275	251.831	6.40	-3.700	251.666	6.40	422+0.000			251.429	250.153	1276	3.700	251.192	-6.40	6.275	251.027	-6.40	7.213	250.402	
-8.715	250.514	-6.275	252.141	6.40	-3.700	251.976	6.40	422+17.555	CS		251.739	250.597	1143	3.700	251.502	-6.40	6.275	251.338	-6.40	7.379	250.602	
-8.747	250.512	-6.264	252.167	6.06	-3.689	252.011	6.06	423+0.000			251.787	250.804	0.983	3.690	251.564	-6.06	6.265	251.408	-6.06	7.408	250.646	
-7.369	251.632	-6.177	252.426	3.28	-3.602	252.342	3.28	424+0.000			252.224	251.726	0.498	3.603	252.106	-3.28	6.178	252.021	-3.28	7.529	251.121	
-7.225	251.752	-6.168	252.457	3.00	-3.593	252.380	3.00	424+1.992			252.272	251.858	0.413	3.595	252.164	-3.00	6.170	252.087	-3.00	7.512	251.192	
-6.239	252.918	-6.090	252.769	0.49	-3.515	252.757	0.49	425+0.000			252.739	253.052	-0.313	3.516	252.634	-3.00	6.091	252.557	-3.00	6.883	252.029	
-6.239	253.018	-6.090	252.869	0.49	-3.515	252.857	0.49	425+3.555			252.839	253.203	-0.364	3.516	252.734	-3.00	6.091	252.656	-3.00	6.883	252.128	
-6.758	253.821	-6.075	253.138	-1.95	-3.500	253.188	-1.95	425+17.555	ST		253.256	254.033	-0.777	3.500	253.151	-3.00	6.075	253.074	-3.00	6.876	253.875	
-6.783	253.903	-6.075	253.194	-2.29	-3.500	253.253	-2.29	426+0.000		PTV	253.333	254.152	-0.819	3.500	253.228	-3.00	6.075	253.151	-3.00	7.109	254.186	
-6.933	254.171	-6.075	253.313	-3.00	-3.500	253.390	-3.00	426+5.117			253.495	254.540	-0.955	3.500	253.390	-3.00	6.075	253.313	-3.00	7.237	254.475	
-7.088	254.798	-6.075	253.784	-3.00	-3.500	253.862	-3.00	427+0.000			253.967	254.979	-1012	3.500	253.862	-3.00	6.075	253.784	-3.00	7.376	255.086	
-7.239	255.582	-6.075	254.418	-3.00	-3.500	254.495	-3.00	428+0.000			254.600	255.742	-1142	3.500	254.495	-3.00	6.075	254.418	-3.00	7.473	255.816	
-7.567	256.543	-6.075	255.051	-3.00	-3.500	255.128	-3.00	429+0.000			255.233	256.615	-1382	3.500	255.128	-3.00	6.075	255.051	-3.00	7.674	256.650	
-7.878	257.487	-6.075	255.684	-3.00	-3.500	255.762	-3.00	430+0.000			255.867	257.462	-1595	3.500	255.762	-3.00	6.075	255.684	-3.00	7.594	257.204	
-7.920	258.163	-6.075	256.318	-3.00	-3.500	256.395	-3.00	431+0.000			256.500	258.152	-1652	3.500	256.395	-3.00	6.075	256.318	-3.00	7.569	257.812	
-7.916	258.792	-6.075	256.951	-3.00	-3.500	257.028	-3.00	432+0.000			257.133	258.723	-1590	3.500	257.028	-3.00	6.075	256.951	-3.00	7.046	257.922	
-7.690	259.200	-6.075	257.584	-3.00	-3.500	257.662	-3.00	433+0.000			257.767	259.205	-1439	3.500	257.662	-3.00	6.075	257.584	-3.00	7.074	258.583	
-7.749	259.892	-6.075	258.218	-3.00	-3.500	258.295	-3.00	434+0.000			258.400	259.754	-1354	3.500	258.295	-3.00	6.075	258.218	-3.00	7.023	259.166	
-8.429	261.205	-6.075	258.851	-3.00	-3.500	258.928	-3.00	435+0.000			259.033	260.688	-1654	3.500	258.928	-3.00	6.075	258.851	-3.00	7.277	260.053	
-7.842	261.251	-6.075	259.484	-3.00	-3.500	259.562	-3.00	436+0.000			259.667	260.547	-0.881	3.500	259.562	-3.00	6.075	259.484	-3.00	7.392	260.801	
-7.357	261.399	-6.075	260.118	-3.00	-3.500	260.195	-3.00	437+0.000			260.300	260.998	-0.698	3.500	260.195	-3.00	6.075	260.118	-3.00	6.958	261.001	
-6.770	261.446	-6.075	260.751	-3.00	-3.500	260.828	-3.00	438+0.000			260.933	261.411	-0.478	3.500	260.828	-3.00	6.075	260.751	-3.00	6.714	261.391	
-6.287	261.596	-6.075	261.384	-3.00	-3.500	261.462	-3.00	439+0.000			261.567	261.603	-0.036	3.500	261.462	-3.00	6.075	261.384	-3.00	6.344	261.654	
-6.393	261.806	-6.075	262.018	-3.00	-3.500	262.095	-3.00	440+0.000			262.200	261.798	0.402	3.500	262.095	-3.00	6.075	262.018	-3.00	6.346	261.837	
-6.462	262.393	-6.075	262.651	-3.00	-3.500	262.728	-3.00	441+0.000		PCV	262.833	262.347	0.486	3.500	262.728	-3.00	6.075	262.651	-3.00	6.624	263.200	
-6.428	263.014	-6.075	263.249	-3.00	-3.500	263.326	-3.00	442+0.000			263.431	263.309	0.122	3.500	263.326	-3.00	6.075	263.249	-3.00	6.827	264.000	
-6.531	263.472	-6.075	263.776	-3.00	-3.500	263.853	-3.00	443+0.000			263.958	264.335	-0.377	3.500	263.853	-3.00	6.075	263.776	-3.00	6.587	264.288	
-6.668	263.836	-6.075	264.231	-3.00	-3.500	264.309	-3.00	444+0.000			264.414	264.922	-0.508	3.500	264.309	-3.00	6.075	264.231	-3.00	6.839	264.995	
-6.251	264.499	-6.075	264.616	-3.00	-3.500	264.693	-3.00	445+0.000			264.798	264.957	-0.158	3.500	264.693	-3.00	6.075	264.616	-3.00	6.704	265.246	
-7.077	264.262	-6.075	264.930	-3.00	-3.500	265.007	-3.00	446+0.000			265.112	264.565	0.547	3.500	265.007	-3.00	6.075	264.930	-3.00	6.570	264.600	
-7.488	264.231	-6.075	265.173	-3.00	-3.500	265.250	-3.00	447+0.000			265.355	264.424	0.931	3.500	265.250	-3.00	6.075	265.173	-3.00	6.767	264.711	
-7.484	264.405	-6.075	265.344	-3.00	-3.500	265.422	-3.00	448+0.000			265.527	264.800	0.727	3.500	265.422	-3.00	6.075	265.344	-3.00	6.691	264.801	
-8.464	263.852	-6.075	265.445	-3.00	-3.500	265.522	-3.00	449+0.000			265.627	264.102	1525	3.500	265.522	-3.00	6.075	265.445	-3.00	7.946	264.197	
-9.244	263.362	-6.075	265.475	-3.00	-3.500	265.552	-3.00	450+0.000			265.657	263.596	2061	3.500	265.552	-3.00	6.075	265.475	-3.00	8.539	263.832	

[Assinatura]
 Responsável Técnico
 Engenheiro Everaldo Tadeu Bezerra de Castro
 Engenheiro Civil
 CREA-MT 12051904/3

[Assinatura]
 Responsável
 Engenheiro Henrique Eufrazio Segura
 Engenheiro Civil
 CREA: 121248337-7

Volum 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417
 Sub Trecho: KM 664,67 - KM 689,27
 Extensão Total: 24,445 km



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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo					Lado Direito								
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9.951	262.849	-6.075	265.433	-3.00	-3.500	265.510	-3.00	451+0.000		PTV	265.615	263.092	2524	3.500	265.510	-3.00	6.075	265.433	-3.00	8.878	263.564	
-10.508	262.401	-6.075	265.356	-3.00	-3.500	265.433	-3.00	452+0.000			265.538	262.796	2742	3.500	265.433	-3.00	6.075	265.356	-3.00	9.442	263.111	
-10.456	262.359	-6.075	265.279	-3.00	-3.500	265.357	-3.00	453+0.000			265.462	262.602	2859	3.500	265.357	-3.00	6.075	265.279	-3.00	9.560	262.956	
-12.658	260.814	-6.075	265.202	-3.00	-3.500	265.280	-3.00	454+0.000		PCV	265.385	262.259	3125	3.500	265.280	-3.00	6.075	265.202	-3.00	9.835	262.696	
-12.121	261.120	-6.075	265.151	-3.00	-3.500	265.228	-3.00	455+0.000			265.333	262.138	3195	3.500	265.228	-3.00	6.075	265.151	-3.00	9.814	262.658	
-11.999	261.200	-6.075	265.149	-3.00	-3.500	265.226	-3.00	456+0.000			265.331	262.527	2804	3.500	265.226	-3.00	6.075	265.149	-3.00	9.418	262.920	
-12.016	261.195	-6.075	265.156	-3.00	-3.500	265.233	-3.00	456+4.848	PC		265.338	262.554	2784	3.500	265.233	-3.00	6.075	265.156	-3.00	9.328	262.988	
-12.460	260.941	-6.075	265.197	-3.00	-3.500	265.275	-3.00	457+0.000			265.380	262.700	2680	3.500	265.275	-3.00	6.075	265.197	-3.00	8.986	263.257	
-12.237	261.188	-6.075	265.296	-3.00	-3.500	265.373	-3.00	458+0.000			265.478	262.942	2536	3.500	265.373	-3.00	6.075	265.296	-3.00	8.475	263.696	
-11.067	262.117	-6.075	265.445	-3.00	-3.500	265.522	-3.00	459+0.000			265.627	263.467	2160	3.500	265.522	-3.00	6.075	265.445	-3.00	7.747	264.330	
-9.338	263.469	-6.075	265.644	-3.00	-3.500	265.721	-3.00	460+0.000			265.826	264.467	1360	3.500	265.721	-3.00	6.075	265.644	-3.00	7.233	264.872	
-6.295	266.113	-6.075	265.893	-3.00	-3.500	265.971	-3.00	461+0.000			266.076	266.351	-0.275	3.500	265.971	-3.00	6.075	265.893	-3.00	6.647	266.465	
-6.408	266.526	-6.075	266.193	-3.00	-3.500	266.270	-3.00	462+0.000			266.375	266.887	-0.512	3.500	266.270	-3.00	6.075	266.193	-3.00	7.126	267.244	
-7.637	268.105	-6.075	266.543	-3.00	-3.500	266.620	-3.00	463+0.000			266.725	268.244	-1519	3.500	266.620	-3.00	6.075	266.543	-3.00	8.073	268.541	
-8.839	269.706	-6.075	266.942	-3.00	-3.500	267.020	-3.00	464+0.000		PTV	267.125	269.591	-2466	3.500	267.020	-3.00	6.075	266.942	-3.00	9.145	270.013	
-9.799	271.092	-6.075	267.367	-3.00	-3.500	267.445	-3.00	465+0.000			267.550	270.762	-3212	3.500	267.445	-3.00	6.075	267.367	-3.00	9.951	271.243	
-10.424	272.141	-6.075	267.792	-3.00	-3.500	267.870	-3.00	466+0.000			267.975	272.214	-4239	3.500	267.870	-3.00	6.075	267.792	-3.00	10.645	272.362	
-10.854	272.996	-6.075	268.217	-3.00	-3.500	268.294	-3.00	467+0.000			268.399	273.200	-4801	3.500	268.294	-3.00	6.075	268.217	-3.00	11.111	273.253	
-10.277	272.845	-6.075	268.642	-3.00	-3.500	268.719	-3.00	468+0.000			268.824	273.082	-4257	3.500	268.719	-3.00	6.075	268.642	-3.00	10.715	273.282	
-9.419	272.411	-6.075	269.067	-3.00	-3.500	269.144	-3.00	469+0.000		PCV	269.249	272.796	-3546	3.500	269.144	-3.00	6.075	269.067	-3.00	10.107	273.099	
-8.622	272.058	-6.075	269.511	-3.00	-3.500	269.588	-3.00	470+0.000			269.693	272.588	-2895	3.500	269.588	-3.00	6.075	269.511	-3.00	9.447	272.883	
-7.782	271.585	-6.075	269.878	-3.00	-3.500	269.955	-3.00	470+15.411			270.060	272.071	-2010	3.500	269.955	-3.00	6.075	269.878	-3.00	8.855	272.658	
-7.572	271.488	-6.075	269.991	-3.00	-3.500	270.069	-3.00	471+0.000			270.174	272.014	-1840	3.500	270.069	-3.00	6.075	269.991	-3.00	8.760	272.676	
-7.378	271.812	-6.075	270.510	-3.00	-3.500	270.587	-3.00	472+0.000			270.692	272.427	-1735	3.500	270.587	-3.00	6.075	270.510	-3.00	8.430	272.865	
-7.371	272.361	-6.075	271.065	-3.00	-3.500	271.142	-3.00	473+0.000			271.247	272.783	-1536	3.500	271.142	-3.00	6.075	271.065	-3.00	8.215	273.205	
-7.008	272.591	-6.075	271.657	-3.00	-3.500	271.735	-3.00	474+0.000			271.840	272.792	-0.952	3.500	271.735	-3.00	6.075	271.657	-3.00	7.575	273.157	
-6.906	271.733	-6.075	272.287	-3.00	-3.500	272.364	-3.00	475+0.000			272.469	272.324	0.145	3.500	272.364	-3.00	6.075	272.287	-3.00	6.864	273.076	
-8.392	271.410	-6.075	272.954	-3.00	-3.500	273.031	-3.00	476+0.000			273.136	271.391	1745	3.500	273.031	-3.00	6.075	272.954	-3.00	7.812	271.796	
-8.541	272.015	-6.075	273.658	-3.00	-3.500	273.736	-3.00	477+0.000			273.841	272.379	1462	3.500	273.736	-3.00	6.075	273.658	-3.00	7.880	272.455	
-8.511	272.776	-6.075	274.400	-3.00	-3.500	274.477	-3.00	478+0.000			274.582	272.979	1603	3.500	274.477	-3.00	6.075	274.400	-3.00	7.722	273.302	
-7.820	274.016	-6.075	275.179	-3.00	-3.500	275.256	-3.00	479+0.000		PTV	275.361	274.253	1108	3.500	275.256	-3.00	6.075	275.179	-3.00	7.648	274.130	
-7.849	274.794	-6.075	275.976	-3.00	-3.500	276.053	-3.00	480+0.000			276.158	275.215	0.943	3.500	276.053	-3.00	6.075	275.976	-3.00	7.022	275.345	
-7.852	275.589	-6.075	276.774	-3.00	-3.500	276.851	-3.00	481+0.000			276.956	275.891	1065	3.500	276.851	-3.00	6.075	276.774	-3.00	6.091	276.763	
-6.906	277.017	-6.075	277.571	-3.00	-3.500	277.648	-3.00	482+0.000			277.753	276.975	0.778	3.500	277.648	-3.00	6.075	277.571	-3.00	6.921	278.417	
-6.963	277.776	-6.075	278.368	-3.00	-3.500	278.446	-3.00	483+0.000			278.551	279.023	-0.473	3.500	278.446	-3.00	6.075	278.368	-3.00	7.128	279.421	
-6.377	279.468	-6.075	279.166	-3.00	-3.500	279.243	-3.00	484+0.000			279.348	280.715	-1367	3.500	279.243	-3.00	6.075	279.166	-3.00	7.422	280.513	
-8.012	281.900	-6.075	279.963	-3.00	-3.500	280.040	-3.00	485+0.000			280.145	281.595	-1450	3.500	280.040	-3.00	6.075	279.963	-3.00	7.312	281.200	
-8.077	282.203	-6.075	280.201	-3.00	-3.500	280.279	-3.00	485+5.975	PT		280.384	281.815	-1431	3.500	280.279	-3.00	6.075	280.201	-3.00	7.419	281.545	
-8.114	282.800	-6.075	280.761	-3.00	-3.500	280.838	-3.00	486+0.000			280.943	282.375	-1433	3.500	280.838	-3.00	6.075	280.761	-3.00	7.333	282.018	
-7.517	282.678	-6.075	281.236	-3.00	-3.500	281.313	-3.00	486+11.918			281.418	282.529	-1111	3.500	281.313	-3.00	6.075	281.236	-3.00	7.221	282.382	

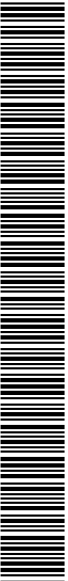
Responsável Técnico
 Engenheiro Civil
 CREA-MT 1205190473

Responsável Técnico
 Engenheiro Civil
 CREA: 121248337-7

Voluma 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km



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 16.57.36 por AMANDA ARAUJO.



SINFRA P202604098A





Table with 22 columns: Lado Esquerdo, Eixo, Lado Direito. Includes sub-columns for Offset, Bordo da Plataforma, Bordo Pista de Rolamento, Estaca, Pontos Notáveis da Geometria Horizontal, Pontos Notáveis da Geometria Vertical, Cota Projeto, Cota Terreno, Cota Vermelha, Bordo Pista de Rolamento, Bordo da Plataforma, and Offset. Rows contain numerical data for each column across various stations.

Responsável Técnico
Engenheiro Everaldo Tadeu Bezerra de Castro
CREA-MT 1205190473

Responsável
Engenheiro Henrique Eufrazio Segura
CREA: 1121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9.477	289.505	-6.375	286.403	-8.00	-3.800	286.609	-8.00	521+0.000			286.913	289.992	-3080	3.800	287.217	8.00	6.375	287.423	8.00	9.102	290.149	
-8.766	288.416	-6.375	286.025	-8.00	-3.800	286.231	-8.00	522+0.000			286.535	288.686	-2151	3.800	286.839	8.00	6.375	287.045	8.00	8.269	288.939	
-8.279	287.539	-6.375	285.635	-8.00	-3.800	285.841	-8.00	522+15.732			286.145	287.618	-1473	3.800	286.449	8.00	6.375	286.655	8.00	7.519	287.799	
-8.157	287.298	-6.375	285.516	-8.00	-3.800	285.722	-8.00	523+0.000			286.026	287.367	-1341	3.800	286.330	8.00	6.375	286.536	8.00	7.266	287.426	
-7.661	286.161	-6.375	284.875	-8.00	-3.800	285.081	-8.00	524+0.000			285.385	286.186	-801	3.800	285.689	8.00	6.375	285.895	8.00	6.752	286.273	
-7.286	285.015	-6.375	284.103	-8.00	-3.800	284.309	-8.00	525+0.000		PTV	284.613	284.428	0.185	3.800	284.917	8.00	6.375	285.123	8.00	8.589	283.648	
-6.963	283.854	-6.375	283.266	-8.00	-3.800	283.472	-8.00	526+0.000			283.776	283.153	0.623	3.800	284.080	8.00	6.375	284.286	8.00	7.995	283.206	
-6.694	282.747	-6.375	282.429	-8.00	-3.800	282.635	-8.00	527+0.000			282.939	282.215	0.724	3.800	283.243	8.00	6.375	283.449	8.00	8.139	282.273	
-7.339	280.949	-6.375	281.592	-8.00	-3.800	281.798	-8.00	528+0.000			282.102	279.772	2330	3.800	282.406	8.00	6.375	282.612	8.00	7.856	281.624	
-7.149	280.238	-6.375	280.754	-8.00	-3.800	280.960	-8.00	529+0.000			281.264	281.174	0.090	3.800	281.568	8.00	6.375	281.774	8.00	6.732	281.536	
-6.959	279.528	-6.375	279.917	-8.00	-3.800	280.123	-8.00	530+0.000			280.427	280.217	0.210	3.800	280.731	8.00	6.375	280.937	8.00	8.880	279.267	
-9.035	277.306	-6.375	279.080	-8.00	-3.800	279.286	-8.00	531+0.000			279.590	278.588	1001	3.800	279.894	8.00	6.375	280.100	8.00	9.076	278.299	
-8.752	276.658	-6.375	278.242	-8.00	-3.800	278.448	-8.00	532+0.000			278.752	277.609	1143	3.800	279.056	8.00	6.375	279.262	8.00	8.353	277.944	
-7.486	276.664	-6.375	277.405	-8.00	-3.800	277.611	-8.00	533+0.000			277.915	277.125	0.790	3.800	278.219	8.00	6.375	278.425	8.00	7.903	277.406	
-7.080	276.806	-6.375	277.275	-8.00	-3.800	277.481	-8.00	533+3.093	CS		277.785	277.034	0.752	3.800	278.089	8.00	6.375	278.295	8.00	7.919	277.266	
-6.522	276.953	-6.290	276.721	-5.67	-3.715	276.867	-5.67	534+0.000			277.078	276.652	0.426	3.710	277.288	5.67	6.285	277.434	5.67	7.960	276.317	
-6.783	276.676	-6.189	276.082	-3.00	-3.614	276.159	-3.00	534+19.343			276.268	276.400	-0.132	3.611	276.376	3.00	6.186	276.453	3.00	6.564	276.201	
-6.777	276.645	-6.186	276.055	-3.00	-3.611	276.132	-3.00	535+0.000			276.240	276.397	-0.156	3.607	276.345	2.91	6.182	276.420	2.91	6.509	276.202	
-7.024	276.164	-6.081	275.221	-3.00	-3.506	275.298	-3.00	536+0.000			275.403	276.173	-0.770	3.505	275.408	0.15	6.080	275.412	0.15	6.894	276.226	
-7.071	276.171	-6.075	275.175	-3.00	-3.500	275.252	-3.00	536+1.093			275.357	276.168	-0.811	3.500	275.357	0.00	6.075	275.357	0.00	6.920	276.202	
-7.188	276.204	-6.075	275.091	-3.00	-3.500	275.169	-3.00	536+3.093	ST		275.274	276.090	-0.817	3.500	275.264	-0.28	6.075	275.257	-0.28	7.023	276.205	
-8.289	276.598	-6.075	274.384	-3.00	-3.500	274.461	-3.00	537+0.000			274.566	275.807	-1242	3.500	274.474	-2.61	6.075	274.407	-2.61	7.468	275.801	
-8.086	276.276	-6.075	274.264	-3.00	-3.500	274.342	-3.00	537+2.843			274.447	275.801	-1354	3.500	274.342	-3.00	6.075	274.264	-3.00	7.456	275.645	
-8.442	275.914	-6.075	273.546	-3.00	-3.500	273.623	-3.00	538+0.000			273.728	275.122	-1394	3.500	273.623	-3.00	6.075	273.546	-3.00	7.790	275.282	
-8.473	275.107	-6.075	272.709	-3.00	-3.500	272.786	-3.00	539+0.000			272.891	274.178	-1287	3.500	272.786	-3.00	6.075	272.709	-3.00	7.921	274.555	
-7.812	273.609	-6.075	271.872	-3.00	-3.500	271.949	-3.00	540+0.000			272.054	272.890	-0.836	3.500	271.949	-3.00	6.075	271.872	-3.00	7.448	273.245	
-7.115	272.074	-6.075	271.034	-3.00	-3.500	271.112	-3.00	541+0.000		PCV	271.217	271.452	-0.235	3.500	271.112	-3.00	6.075	271.034	-3.00	6.377	271.337	
-6.344	270.041	-6.075	270.221	-3.00	-3.500	270.298	-3.00	542+0.000			270.403	270.020	0.383	3.500	270.298	-3.00	6.075	270.221	-3.00	6.399	270.005	
-7.060	268.798	-6.075	269.455	-3.00	-3.500	269.532	-3.00	543+0.000			269.637	268.663	0.974	3.500	269.532	-3.00	6.075	269.455	-3.00	6.949	268.872	
-7.189	267.993	-6.075	268.736	-3.00	-3.500	268.813	-3.00	544+0.000			268.918	267.489	1430	3.500	268.813	-3.00	6.075	268.736	-3.00	7.455	267.816	
-7.668	267.003	-6.075	268.065	-3.00	-3.500	268.142	-3.00	545+0.000			268.247	266.721	1527	3.500	268.142	-3.00	6.075	268.065	-3.00	8.078	266.730	
-8.808	265.620	-6.075	267.442	-3.00	-3.500	267.519	-3.00	546+0.000			267.624	266.201	1423	3.500	267.519	-3.00	6.075	267.442	-3.00	8.912	265.551	
-8.873	265.000	-6.075	266.866	-3.00	-3.500	266.943	-3.00	547+0.000			267.048	265.640	1408	3.500	266.943	-3.00	6.075	266.866	-3.00	10.848	263.683	
-7.130	265.634	-6.075	266.337	-3.00	-3.500	266.414	-3.00	548+0.000			266.519	265.414	1105	3.500	266.414	-3.00	6.075	266.337	-3.00	9.313	264.179	
-6.190	265.780	-6.075	265.856	-3.00	-3.500	265.933	-3.00	549+0.000			266.038	265.664	0.374	3.500	265.933	-3.00	6.075	265.856	-3.00	7.049	265.207	
-7.497	266.844	-6.075	265.423	-3.00	-3.500	265.500	-3.00	550+0.000			265.605	266.292	-0.687	3.500	265.500	-3.00	6.075	265.423	-3.00	7.296	266.644	
-8.658	267.620	-6.075	265.037	-3.00	-3.500	265.114	-3.00	551+0.000		PTV	265.219	266.893	-1674	3.500	265.114	-3.00	6.075	265.037	-3.00	8.038	267.000	
-9.221	267.820	-6.075	264.675	-3.00	-3.500	264.752	-3.00	552+0.000			264.857	267.001	-2144	3.500	264.752	-3.00	6.075	264.675	-3.00	8.395	266.995	
-9.196	267.433	-6.075	264.312	-3.00	-3.500	264.390	-3.00	553+0.000			264.495	267.001	-2507	3.500	264.390	-3.00	6.075	264.312	-3.00	8.528	266.765	
-9.798	267.673	-6.075	263.950	-3.00	-3.500	264.027	-3.00	554+0.000			264.132	266.881	-2749	3.500	264.027	-3.00	6.075	263.950	-3.00	8.923	266.799	

[Assinatura]
Responsável Técnica
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

[Assinatura]
Responsável
Engenheiro Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
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Nota de Serviço de Terraplenagem da MT-338

Lado Esquerdo									Eixo						Lado Direito							
Offset			Bordo da Plataforma			Bordo Pistá de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistá de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.867	253.819	-6.275	254.880	-8.00	-3.700	255.086	-8.00	587+19.657	SC		255.382	254.604	0.778	3.700	255.678	8.00	6.275	255.884	8.00	6.373	255.982	
-7.739	253.902	-6.275	254.879	-8.00	-3.700	255.085	-8.00	588+0.000			255.381	254.609	0.771	3.700	255.677	8.00	6.275	255.883	8.00	6.366	255.974	
-6.384	254.904	-6.275	254.795	-8.00	-3.700	255.001	-8.00	589+0.000			255.297	254.760	0.537	3.700	255.593	8.00	6.275	255.799	8.00	6.558	255.611	
-9.711	252.425	-6.275	254.716	-8.00	-3.700	254.922	-8.00	590+0.000			255.218	252.759	2459	3.700	255.514	8.00	6.275	255.720	8.00	7.743	254.741	
-10.098	252.091	-6.275	254.639	-8.00	-3.700	254.845	-8.00	591+0.000			255.141	252.669	2473	3.700	255.437	8.00	6.275	255.643	8.00	8.821	253.946	
-10.050	252.050	-6.275	254.567	-8.00	-3.700	254.773	-8.00	592+0.000			255.069	252.743	2326	3.700	255.365	8.00	6.275	255.571	8.00	10.209	252.948	
-10.050	251.997	-6.275	254.514	-8.00	-3.700	254.720	-8.00	592+15.128			255.016	253.010	2006	3.700	255.312	8.00	6.275	255.518	8.00	12.452	251.400	
-9.966	252.036	-6.275	254.497	-8.00	-3.700	254.703	-8.00	593+0.000			254.999	253.007	1993	3.700	255.295	8.00	6.275	255.501	8.00	12.289	251.492	
-9.537	252.257	-6.275	254.431	-8.00	-3.700	254.637	-8.00	594+0.000			254.933	252.800	2133	3.700	255.229	8.00	6.275	255.435	8.00	12.739	251.126	
-9.205	252.415	-6.275	254.369	-8.00	-3.700	254.575	-8.00	595+0.000			254.871	252.800	2071	3.700	255.167	8.00	6.275	255.373	8.00	12.534	251.200	
-8.695	252.696	-6.275	254.310	-8.00	-3.700	254.516	-8.00	596+0.000			254.812	252.883	1928	3.700	255.108	8.00	6.275	255.314	8.00	11.848	251.598	
-8.262	252.929	-6.275	254.254	-8.00	-3.700	254.460	-8.00	597+0.000		PTV	254.756	252.863	1892	3.700	255.052	8.00	6.275	255.258	8.00	11.537	251.750	
-8.419	252.796	-6.275	254.225	-8.00	-3.700	254.431	-8.00	597+10.600	CS		254.727	252.476	2252	3.700	255.023	8.00	6.275	255.229	8.00	11.563	251.704	
-8.749	252.611	-6.241	254.284	-6.70	-3.666	254.456	-6.70	598+0.000			254.702	252.388	2314	3.662	254.947	6.70	6.237	255.120	6.70	10.173	252.496	
-8.575	252.797	-6.163	254.405	-3.94	-3.588	254.506	-3.94	599+0.000			254.648	252.596	2052	3.586	254.789	3.94	6.161	254.891	3.94	9.816	252.454	
-8.385	252.946	-6.137	254.445	-3.00	-3.562	254.523	-3.00	599+6.850			254.629	252.690	1940	3.559	254.736	3.00	6.134	254.813	3.00	9.521	252.556	
-7.936	253.177	-6.085	254.411	-3.00	-3.510	254.489	-3.00	600+0.000			254.594	252.888	1706	3.510	254.635	1.19	6.085	254.666	1.19	9.093	252.660	
-8.165	252.995	-6.075	254.388	-3.00	-3.500	254.466	-3.00	600+8.600			254.571	252.996	1575	3.500	254.571	0.00	6.075	254.571	0.00	8.938	252.662	
-8.156	252.996	-6.075	254.383	-3.00	-3.500	254.460	-3.00	600+10.600	ST		254.565	253.001	1565	3.500	254.566	-0.28	6.075	254.548	-0.28	8.838	252.707	
-8.119	252.995	-6.075	254.358	-3.00	-3.500	254.435	-3.00	601+0.000			254.540	253.002	1538	3.500	254.485	-1.57	6.075	254.444	-1.57	8.846	252.597	
-7.806	253.175	-6.075	254.330	-3.00	-3.500	254.407	-3.00	601+10.350			254.512	253.000	1512	3.500	254.407	-3.00	6.075	254.330	-3.00	8.088	252.988	
-7.518	253.342	-6.075	254.304	-3.00	-3.500	254.381	-3.00	602+0.000			254.486	252.834	1651	3.500	254.381	-3.00	6.075	254.304	-3.00	8.857	252.449	
-7.066	253.589	-6.075	254.250	-3.00	-3.500	254.327	-3.00	603+0.000			254.432	252.799	1633	3.500	254.327	-3.00	6.075	254.250	-3.00	8.440	252.673	
-6.930	253.626	-6.075	254.196	-3.00	-3.500	254.273	-3.00	604+0.000			254.378	252.647	1731	3.500	254.273	-3.00	6.075	254.196	-3.00	8.167	252.801	
-6.659	253.752	-6.075	254.142	-3.00	-3.500	254.219	-3.00	605+0.000			254.324	252.873	1451	3.500	254.219	-3.00	6.075	254.142	-3.00	8.081	252.804	
-6.488	253.812	-6.075	254.088	-3.00	-3.500	254.165	-3.00	606+0.000		PCV	254.270	253.394	0.876	3.500	254.165	-3.00	6.075	254.088	-3.00	8.018	252.792	
-6.571	253.748	-6.075	254.079	-3.00	-3.500	254.156	-3.00	606+3.492			254.261	253.445	0.816	3.500	254.156	-3.00	6.075	254.079	-3.00	8.055	252.759	
-6.752	253.740	-6.075	254.191	-0.72	-3.500	254.210	-0.72	607+0.000			254.235	253.602	0.633	3.500	254.130	-3.00	6.075	254.053	-3.00	8.267	252.591	
-8.868	253.687	-6.075	254.216	-0.28	-3.500	254.223	-0.28	607+3.242	TS		254.233	253.573	0.660	3.500	254.128	-3.00	6.075	254.050	-3.00	8.268	252.588	
-6.966	253.638	-6.075	254.232	0.00	-3.500	254.232	0.00	607+5.242			254.232	253.516	0.716	3.500	254.127	-3.00	6.075	254.050	-3.00	8.284	252.577	
-7.506	253.454	-6.143	254.363	2.04	-3.568	254.310	2.04	608+0.000			254.238	253.335	0.903	3.569	254.131	-3.00	6.144	254.053	-3.00	8.628	252.397	
-7.962	253.244	-6.179	254.433	3.00	-3.604	254.356	3.00	608+6.992			254.247	252.893	1354	3.607	254.139	-3.00	6.182	254.062	-3.00	8.718	252.372	
-8.604	253.007	-6.248	254.578	4.79	-3.673	254.454	4.79	609+0.000			254.278	252.849	1429	3.678	254.102	-4.79	6.253	253.978	-4.79	8.648	252.382	
-9.314	252.866	-6.357	254.837	7.55	-3.782	254.642	7.55	610+0.000			254.357	252.781	1576	3.782	254.071	-7.55	6.357	253.876	-7.55	8.759	252.275	
-9.593	252.737	-6.375	254.883	8.00	-3.800	254.677	8.00	610+3.242	SC		254.373	252.587	1786	3.800	254.069	-8.00	6.375	253.863	-8.00	8.862	252.205	
-11.164	251.790	-6.375	254.983	8.00	-3.800	254.777	8.00	611+0.000			254.473	252.217	2256	3.800	254.169	-8.00	6.375	253.963	-8.00	8.708	252.408	
-11.679	251.601	-6.375	255.137	8.00	-3.800	254.931	8.00	612+0.000			254.627	252.606	2021	3.800	254.323	-8.00	6.375	254.117	-8.00	11.950	250.400	
-11.639	251.819	-6.375	255.328	8.00	-3.800	255.122	8.00	613+0.000			254.818	252.410	2408	3.800	254.514	-8.00	6.375	254.308	-8.00	10.028	251.873	
-10.877	252.557	-6.375	255.558	8.00	-3.800	255.352	8.00	614+0.000			255.048	252.575	2473	3.800	254.744	-8.00	6.375	254.538	-8.00	9.587	252.396	
-9.675	253.472	-6.375	255.672	8.00	-3.800	255.466	8.00	614+8.854			255.162	252.816	2346	3.800	254.858	-8.00	6.375	254.652	-8.00	9.169	252.789	

Engenheiro Everaldo Tadeu Bezerra de Castro
 Responsável Técnica
 Engenheira Civil
 CREA-MT 12051994/3

Engenheiro Henrique Eufrazio Segura
 Responsável
 Engenheiro Civil
 CREA: 121248337-7

Voluma 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km



HASH: 41 98a5b60891a1a02090c874bb55aca14324a0426d3b1e675aac8af5a176c4. Documento assinado digitalmente, valide em <https://aquisicoes.sigapag.mt.gov.br/flowbeepub/#/validar/4V2L-967E-QUG7-X9J>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026. 16:57:36 por AMANDA ARAUJO.





Nota de Serviço de Terraplenagem da MT-338																													
Lado Esquerdo									Eixo											Lado Direito									
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset								
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)					
-9.043	254.047	-6.375	255.826	8,00	-3.800	255.620	8,00	615+0.000			255.316	253.154	2161	3,800	255.012	-8,00	6.375	254.806	-8,00	8.441	253.428								
-8.151	254.947	-6.375	256.131	8,00	-3.800	255.925	8,00	616+0.000		PTV	255.621	254.760	0.860	3,800	255.317	-8,00	6.375	255.111	-8,00	8.043	253.999								
-7.322	255.824	-6.375	256.455	8,00	-3.800	256.249	8,00	617+0.000			255.945	255.643	0.302	3,800	255.641	-8,00	6.375	255.435	-8,00	6.492	255.552								
-6.841	256.469	-6.375	256.779	8,00	-3.800	256.573	8,00	618+0.000			256.269	256.294	-0.025	3,800	255.965	-8,00	6.375	255.759	-8,00	6.771	256.155								
-6.698	256.798	-6.375	257.014	8,00	-3.800	256.808	8,00	618+14.466	CS		256.504	256.584	-0.080	3,800	256.200	-8,00	6.375	255.994	-8,00	6.781	256.400								
-6.662	256.840	-6.343	257.052	7,24	-3.768	256.866	7,24	619+0.000			256.593	256.688	-0.094	3,773	256.320	-7,24	6.348	256.134	-7,24	6.696	256.482								
-6.289	257.162	-6.237	257.197	4,48	-3.662	257.081	4,48	620+0.000			256.917	257.059	-0.142	3,665	256.753	-4,48	6.240	256.638	-4,48	6.403	256.801								
-6.294	257.391	-6.179	257.277	3,00	-3.604	257.199	3,00	620+10.716			257.091	257.123	-0.031	3,607	256.983	-3,00	6.182	256.906	-3,00	6.238	256.869								
-6.157	257.329	-6.130	257.347	1,72	-3.555	257.303	1,72	621+0.000			257.242	257.060	0.182	3,557	257.135	-3,00	6.132	257.058	-3,00	6.295	256.949								
-6.110	257.479	-6.075	257.444	0,00	-3.500	257.444	0,00	621+12.466			257.444	257.254	0.190	3,500	257.339	-3,00	6.075	257.261	-3,00	6.420	257.032								
-6.113	257.498	-6.075	257.459	-0,28	-3.500	257.466	-0,28	621+14.466	ST		257.476	257.312	0.164	3,500	257.371	-3,00	6.075	257.294	-3,00	6.411	257.070								
-6.075	257.503	-6.075	257.503	-1,04	-3.500	257.529	-1,04	622+0.000			257.566	257.340	0.226	3,500	257.461	-3,00	6.075	257.384	-3,00	6.549	257.067								
-6.212	257.523	-6.075	257.614	-3,00	-3.500	257.691	-3,00	622+14.216			257.796	257.397	0.400	3,500	257.691	-3,00	6.075	257.614	-3,00	6.690	257.204								
-6.123	257.756	-6.075	257.708	-3,00	-3.500	257.785	-3,00	623+0.000			257.890	257.450	0.440	3,500	257.785	-3,00	6.075	257.708	-3,00	6.996	257.094								
-6.121	258.001	-6.075	258.032	-3,00	-3.500	258.109	-3,00	624+0.000			258.214	257.796	0.418	3,500	258.109	-3,00	6.075	258.032	-3,00	6.974	257.433								
-6.319	258.193	-6.075	258.356	-3,00	-3.500	258.433	-3,00	625+0.000			258.538	258.000	0.535	3,500	258.433	-3,00	6.075	258.356	-3,00	7.128	257.654								
-6.525	258.380	-6.075	258.680	-3,00	-3.500	258.757	-3,00	626+0.000			258.862	258.121	0.741	3,500	258.757	-3,00	6.075	258.680	-3,00	7.348	257.831								
-6.827	258.314	-6.075	258.816	-3,00	-3.500	258.893	-3,00	626+8.385			258.998	258.201	0.798	3,500	258.893	-3,00	6.075	258.816	-3,00	7.609	257.794								
-6.949	258.519	-6.075	259.102	-1,40	-3.500	259.138	-1,40	627+0.000			259.187	257.998	1.188	3,500	259.082	-3,00	6.075	259.004	-3,00	7.985	257.731								
-7.231	258.531	-6.075	259.302	-0,28	-3.500	259.309	-0,28	627+8.135	TS		259.318	258.129	1.190	3,500	259.213	-3,00	6.075	259.136	-3,00	8.535	257.496								
-7.231	258.564	-6.075	259.334	-0,28	-3.500	259.341	-0,28	627+10.135			259.351	257.984	1.367	3,500	259.246	-3,00	6.075	259.169	-3,00	8.535	257.528								
-7.704	258.542	-6.126	259.594	1,36	-3.551	259.559	1,36	628+0.000			259.511	258.331	1.179	3,551	259.404	-3,00	6.126	259.327	-3,00	7.905	258.141								
-7.712	258.871	-6.186	259.889	3,00	-3.611	259.812	3,00	628+11.885			259.703	258.798	0.906	3,614	259.595	-3,00	6.189	259.518	-3,00	7.264	258.801								
-7.790	259.049	-6.227	260.091	4,12	-3.652	259.985	4,12	629+0.000		PCV	259.835	258.984	0.851	3,657	259.684	-4,12	6.232	259.578	-4,12	7.810	258.526								
-8.317	259.224	-6.328	260.550	6,88	-3.753	260.373	6,88	630+0.000			260.115	258.734	1.381	3,762	259.856	-6,88	6.337	259.679	-6,88	8.430	258.284								
-8.818	259.085	-6.375	260.713	8,00	-3.800	260.507	8,00	630+8.135	SC		260.203	258.708	1.495	3,800	259.899	-8,00	6.375	259.693	-8,00	8.344	258.381								
-8.991	259.072	-6.375	260.816	8,00	-3.800	260.610	8,00	631+0.000			260.306	258.800	1.506	3,800	260.002	-8,00	6.375	259.796	-8,00	8.258	258.541								
-9.010	259.162	-6.375	260.919	8,00	-3.800	260.713	8,00	632+0.000			260.409	258.998	1.411	3,800	260.105	-8,00	6.375	259.899	-8,00	8.256	258.645								
-9.242	259.023	-6.375	260.934	8,00	-3.800	260.728	8,00	633+0.000			260.424	258.840	1.584	3,800	260.120	-8,00	6.375	259.914	-8,00	8.310	258.624								
-9.368	258.864	-6.375	260.860	8,00	-3.800	260.654	8,00	634+0.000			260.350	258.795	1.555	3,800	260.046	-8,00	6.375	259.840	-8,00	8.160	258.650								
-9.697	258.483	-6.375	260.697	8,00	-3.800	260.491	8,00	635+0.000			260.187	258.557	1.630	3,800	259.883	-8,00	6.375	259.677	-8,00	8.165	258.484								
-10.125	257.946	-6.375	260.446	8,00	-3.800	260.240	8,00	636+0.000			259.936	257.965	1.971	3,800	259.632	-8,00	6.375	259.426	-8,00	8.597	257.945								
-10.225	257.540	-6.375	260.107	8,00	-3.800	259.901	8,00	637+0.000			259.597	257.697	1.899	3,800	259.293	-8,00	6.375	259.087	-8,00	8.789	257.478								
-10.482	256.941	-6.375	259.679	8,00	-3.800	259.473	8,00	638+0.000			259.169	256.916	2.253	3,800	258.865	-8,00	6.375	258.659	-8,00	8.862	257.001								
-11.743	255.584	-6.375	259.163	8,00	-3.800	258.957	8,00	639+0.000		PTV	258.653	255.848	2.805	3,800	258.349	-8,00	6.375	258.143	-8,00	9.124	256.310								
-10.618	255.774	-6.375	258.602	8,00	-3.800	258.396	8,00	640+0.000			258.092	255.954	2.138	3,800	257.788	-8,00	6.375	257.582	-8,00	8.646	256.068								
-10.926	255.022	-6.375	258.056	8,00	-3.800	257.850	8,00	640+19.487			257.546	255.291	2.255	3,800	257.242	-8,00	6.375	257.036	-8,00	8.809	255.413								
-10.934	255.002	-6.375	258.041	8,00	-3.800	257.835	8,00	641+0.000			257.531	255.278	2.253	3,800	257.227	-8,00	6.375	257.021	-8,00	8.810	255.398								
-11.026	254.380	-6.375	257.481	8,00	-3.800	257.275	8,00	642+0.000			256.971	254.680	2.291	3,800	256.667	-8,00	6.375	256.461	-8,00	8.620	254.964								
-11.329	253.617	-6.375	256.920	8,00	-3.800	256.714	8,00	643+0.000			256.410	254.040	2.370	3,800	256.106	-8,00	6.375	255.900	-8,00	8.753	254.315								

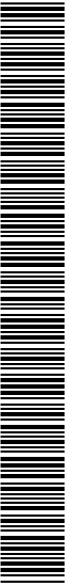
Responsible
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Responsible
Engenheiro Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara)/MT – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24.445 km



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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-11.197	253.145	-6.375	256.359	8.00	-3.800	256.153	8.00	644+0.000			255.849	253.490	2359	3.800	255.545	-8.00	6.375	255.339	-8.00	8.855	253.686	
-11.063	252.674	-6.375	255.799	8.00	-3.800	255.593	8.00	645+0.000			255.289	253.201	2088	3.800	254.985	-8.00	6.375	254.779	-8.00	8.338	253.470	
-10.534	252.466	-6.375	255.238	8.00	-3.800	255.032	8.00	646+0.000			254.728	253.102	1626	3.800	254.424	-8.00	6.375	254.218	-8.00	7.619	253.389	
-9.452	252.626	-6.375	254.677	8.00	-3.800	254.471	8.00	647+0.000			254.167	253.071	1097	3.800	253.863	-8.00	6.375	253.657	-8.00	6.929	253.288	
-8.278	252.848	-6.375	254.117	8.00	-3.800	253.911	8.00	648+0.000			253.607	253.072	0.535	3.800	253.303	-8.00	6.375	253.097	-8.00	6.497	253.219	
-8.776	251.955	-6.375	253.556	8.00	-3.800	253.350	8.00	649+0.000			253.046	252.808	0.239	3.800	252.742	-8.00	6.375	252.536	-8.00	6.643	252.804	
-8.846	251.348	-6.375	252.996	8.00	-3.800	252.790	8.00	650+0.000			252.486	252.072	0.414	3.800	252.182	-8.00	6.375	251.976	-8.00	6.516	252.116	
-8.570	250.972	-6.375	252.435	8.00	-3.800	252.229	8.00	651+0.000			251.925	250.600	1325	3.800	251.621	-8.00	6.375	251.415	-8.00	6.449	251.365	
-8.371	250.800	-6.375	252.131	8.00	-3.800	251.925	8.00	651+10.839	CS		251.621	250.312	1309	3.800	251.317	-8.00	6.375	251.111	-8.00	6.600	250.961	
-8.105	250.604	-6.325	251.790	6.74	-3.750	251.617	6.74	652+0.000			251.364	249.928	1436	3.755	251.111	-6.74	6.330	250.938	-6.74	6.762	250.650	
-7.988	249.875	-6.224	251.051	3.98	-3.649	250.949	3.98	653+0.000			250.804	249.053	1751	3.650	250.658	-3.98	6.225	250.556	-3.98	7.433	249.750	
-7.863	249.673	-6.186	250.790	3.00	-3.611	250.713	3.00	653+7.089			250.605	248.955	1910	3.614	250.496	-3.00	6.189	250.419	-3.00	7.697	249.414	
-8.129	248.978	-6.120	250.318	1.22	-3.545	250.286	1.22	654+0.000		PCV	250.243	247.955	2288	3.546	250.137	-3.00	6.121	250.059	-3.00	8.621	248.393	
-8.708	248.251	-6.075	250.006	0.00	-3.500	250.006	0.00	654+8.839			250.006	247.644	2363	3.500	249.901	-3.00	6.075	249.824	-3.00	8.631	248.120	
-8.772	248.141	-6.075	249.939	-0.28	-3.500	249.946	-0.28	654+10.839	ST		249.956	247.598	2357	3.500	249.851	-3.00	6.075	249.773	-3.00	8.859	247.917	
-9.070	247.649	-6.075	249.645	-1.54	-3.500	249.685	-1.54	655+0.000			249.739	247.421	2318	3.500	249.634	-3.00	6.075	249.557	-3.00	9.059	247.567	
-9.204	247.250	-6.075	249.336	-3.00	-3.500	249.413	-3.00	655+10.589			249.518	247.276	2241	3.500	249.413	-3.00	6.075	249.336	-3.00	8.995	247.389	
-9.858	246.644	-6.075	249.166	-3.00	-3.500	249.243	-3.00	656+0.000			249.348	247.400	1948	3.500	249.243	-3.00	6.075	249.166	-3.00	9.061	247.175	
-9.807	246.400	-6.075	248.888	-3.00	-3.500	248.965	-3.00	657+0.000			249.070	246.525	2546	3.500	248.965	-3.00	6.075	248.888	-3.00	8.265	247.428	
-10.196	245.976	-6.075	248.724	-3.00	-3.500	248.801	-3.00	658+0.000			248.906	246.884	2022	3.500	248.801	-3.00	6.075	248.724	-3.00	7.460	247.800	
-9.728	246.237	-6.075	248.672	-3.00	-3.500	248.749	-3.00	659+0.000			248.854	247.079	1775	3.500	248.749	-3.00	6.075	248.672	-3.00	7.383	247.800	
-9.533	246.428	-6.075	248.734	-3.00	-3.500	248.811	-3.00	660+0.000			248.916	247.099	1817	3.500	248.811	-3.00	6.075	248.734	-3.00	7.743	247.622	
-9.108	246.887	-6.075	248.909	-3.00	-3.500	248.986	-3.00	661+0.000			249.091	247.676	1415	3.500	248.986	-3.00	6.075	248.909	-3.00	7.743	247.797	
-8.062	247.872	-6.075	249.197	-3.00	-3.500	249.274	-3.00	662+0.000			249.379	248.365	1015	3.500	249.274	-3.00	6.075	249.197	-3.00	7.871	248.000	
-7.921	248.367	-6.075	249.598	-3.00	-3.500	249.676	-3.00	663+0.000			249.781	248.758	1022	3.500	249.676	-3.00	6.075	249.598	-3.00	7.720	248.502	
-7.233	249.340	-6.075	250.113	-3.00	-3.500	250.190	-3.00	664+0.000		PTV	250.295	249.494	0.801	3.500	250.190	-3.00	6.075	250.113	-3.00	6.983	249.507	
-7.204	249.931	-6.075	250.684	-3.00	-3.500	250.761	-3.00	665+0.000			250.866	250.209	0.657	3.500	250.761	-3.00	6.075	250.684	-3.00	6.784	250.211	
-6.749	250.806	-6.075	251.255	-3.00	-3.500	251.332	-3.00	666+0.000			251.437	250.834	0.603	3.500	251.332	-3.00	6.075	251.255	-3.00	6.603	250.903	
-8.615	251.466	-6.075	251.826	-3.00	-3.500	251.903	-3.00	667+0.000			252.008	251.386	0.622	3.500	251.903	-3.00	6.075	251.826	-3.00	6.433	251.587	
-8.650	250.680	-6.075	252.397	-3.00	-3.500	252.474	-3.00	668+0.000			252.579	251.673	0.906	3.500	252.474	-3.00	6.075	252.397	-3.00	6.515	252.104	
-6.302	253.195	-6.075	252.968	-3.00	-3.500	253.045	-3.00	669+0.000			253.150	253.036	0.115	3.500	253.045	-3.00	6.075	252.968	-3.00	6.238	253.131	
-7.183	252.800	-6.075	253.539	-3.00	-3.500	253.616	-3.00	670+0.000			253.721	253.419	0.302	3.500	253.616	-3.00	6.075	253.539	-3.00	6.434	253.898	
-7.150	253.393	-6.075	254.110	-3.00	-3.500	254.187	-3.00	671+0.000			254.292	253.964	0.328	3.500	254.187	-3.00	6.075	254.110	-3.00	7.574	255.609	
-6.690	254.271	-6.075	254.681	-3.00	-3.500	254.758	-3.00	672+0.000			254.863	254.604	0.260	3.500	254.758	-3.00	6.075	254.681	-3.00	8.002	256.608	
-7.615	256.792	-6.075	255.252	-3.00	-3.500	255.329	-3.00	673+0.000			255.434	256.032	-0.598	3.500	255.329	-3.00	6.075	255.252	-3.00	7.826	257.004	
-8.002	257.750	-6.075	255.823	-3.00	-3.500	255.900	-3.00	674+0.000			256.005	257.518	-1512	3.500	255.900	-3.00	6.075	255.823	-3.00	8.484	258.232	
-8.568	258.887	-6.075	256.394	-3.00	-3.500	256.471	-3.00	675+0.000			256.576	259.009	-2433	3.500	256.471	-3.00	6.075	256.394	-3.00	8.483	258.803	
-8.498	259.388	-6.075	256.965	-3.00	-3.500	257.042	-3.00	676+0.000			257.147	259.293	-2145	3.500	257.042	-3.00	6.075	256.965	-3.00	8.207	259.097	
-8.428	259.889	-6.075	257.536	-3.00	-3.500	257.614	-3.00	677+0.000			257.719	259.791	-2073	3.500	257.614	-3.00	6.075	257.536	-3.00	8.145	259.606	
-9.199	261.232	-6.075	258.107	-3.00	-3.500	258.185	-3.00	678+0.000			258.290	260.918	-2628	3.500	258.185	-3.00	6.075	258.107	-3.00	9.126	261.158	


 Responsável Técnico
 Engenheiro Civil
 CREA-MT 12051904/3


 Responsável Técnico
 Engenheiro Civil
 CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km



HASH: 41 98a5b5c891a1a02089c1874b5b55aca14324a0426b3b1e675aac8af5a176c4. Documento assinado digitalmente, valide em
<https://aquisicoes.seplag.mt.gov.br/flowbee/pub/#/validar/4VZL-967E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026.
 16.57.36 por AMANDA ARAUJO.





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo			Lado Direito										
Offset			Bordo da Plataforma			Bordo Pistá de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistá de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-10.619	263.222	-6.075	258.678	-3.00	-3.500	258.756	-3.00	679+0.000			258.861	262.291	-3430	3.500	258.756	-3.00	6.075	258.678	-3.00	10.494	263.097	
-11.232	264.407	-6.075	259.249	-3.00	-3.500	259.327	-3.00	680+0.000			259.432	263.536	-4104	3.500	259.327	-3.00	6.075	259.249	-3.00	11.224	264.398	
-11.355	265.100	-6.075	259.820	-3.00	-3.500	259.898	-3.00	681+0.000			260.003	264.737	-4734	3.500	259.898	-3.00	6.075	259.820	-3.00	11.747	265.492	
-11.807	266.124	-6.075	260.391	-3.00	-3.500	260.469	-3.00	682+0.000			260.574	265.583	-5009	3.500	260.469	-3.00	6.075	260.391	-3.00	12.287	266.604	
-11.500	266.387	-6.075	260.963	-3.00	-3.500	261.040	-3.00	683+0.000		PCV	261.145	266.184	-5040	3.500	261.040	-3.00	6.075	260.963	-3.00	12.318	267.206	
-11.201	266.600	-6.075	261.474	-3.00	-3.500	261.551	-3.00	684+0.000			261.656	266.452	-4795	3.500	261.551	-3.00	6.075	261.474	-3.00	11.848	267.247	
-10.908	266.699	-6.075	261.866	-3.00	-3.500	261.944	-3.00	685+0.000			262.049	266.691	-4643	3.500	261.944	-3.00	6.075	261.866	-3.00	11.712	267.503	
-10.802	266.867	-6.075	262.140	-3.00	-3.500	262.217	-3.00	686+0.000			262.322	266.955	-4633	3.500	262.217	-3.00	6.075	262.140	-3.00	11.692	267.756	
-10.482	266.701	-6.075	262.294	-3.00	-3.500	262.371	-3.00	687+0.000			262.476	266.589	-4113	3.500	262.371	-3.00	6.075	262.294	-3.00	11.005	267.223	
-10.212	266.466	-6.075	262.329	-3.00	-3.500	262.406	-3.00	688+0.000			262.511	266.094	-3584	3.500	262.406	-3.00	6.075	262.329	-3.00	10.746	267.000	
-10.049	266.218	-6.075	262.244	-3.00	-3.500	262.322	-3.00	689+0.000			262.427	265.598	-3172	3.500	262.322	-3.00	6.075	262.244	-3.00	10.214	266.384	
-10.000	265.966	-6.075	262.041	-3.00	-3.500	262.118	-3.00	690+0.000			262.223	264.928	-2705	3.500	262.118	-3.00	6.075	262.041	-3.00	9.123	265.089	
-9.734	265.378	-6.075	261.719	-3.00	-3.500	261.796	-3.00	691+0.000			261.901	264.449	-2548	3.500	261.796	-3.00	6.075	261.719	-3.00	9.318	264.962	
-9.259	264.461	-6.075	261.277	-3.00	-3.500	261.354	-3.00	692+0.000			261.459	263.694	-2235	3.500	261.354	-3.00	6.075	261.277	-3.00	8.528	263.730	
-9.097	263.738	-6.075	260.716	-3.00	-3.500	260.794	-3.00	693+0.000		PTV	260.899	262.953	-2055	3.500	260.794	-3.00	6.075	260.716	-3.00	8.157	262.798	
-8.871	262.997	-6.075	260.201	-3.00	-3.500	260.278	-3.00	693+16.614			260.383	262.211	-1827	3.500	260.278	-3.00	6.075	260.201	-3.00	8.076	262.202	
-8.876	262.897	-6.075	260.096	-3.00	-3.500	260.173	-3.00	694+0.000			260.278	262.093	-1815	3.500	260.190	-2.53	6.075	260.124	-2.53	8.149	262.199	
-8.580	262.187	-6.075	259.683	-3.00	-3.500	259.760	-3.00	694+13.325	TS		259.865	261.779	-1914	3.500	259.841	-0.69	6.075	259.823	-0.69	8.231	261.979	
-8.580	262.032	-6.075	259.528	-3.00	-3.500	259.605	-3.00	694+18.325			259.710	261.591	-1881	3.500	259.686	-0.69	6.075	259.668	-0.69	8.231	261.824	
-8.507	261.901	-6.081	259.476	-3.00	-3.506	259.553	-3.00	695+0.000			259.658	261.544	-1886	3.506	259.666	0.23	6.081	259.672	0.23	7.949	261.540	
-8.512	261.211	-6.154	258.853	-3.00	-3.579	258.930	-3.00	696+0.000			259.038	260.990	-1953	3.578	259.145	3.00	6.153	259.222	3.00	7.721	260.789	
-8.511	261.209	-6.155	258.852	-3.00	-3.580	258.929	-3.00	696+0.035			259.037	260.990	-1953	3.578	259.144	3.00	6.153	259.221	3.00	7.721	260.789	
-9.243	261.073	-6.229	258.059	-5.76	-3.654	258.207	-5.76	697+0.000			258.417	260.236	-1819	3.649	258.628	5.76	6.224	258.776	5.76	7.652	260.204	
-9.318	260.570	-6.275	257.527	-7.60	-3.700	257.723	-7.60	697+13.325	SC		258.004	259.872	-1868	3.700	258.285	7.60	6.275	258.481	7.60	7.796	260.002	
-9.155	260.200	-6.275	257.320	-7.60	-3.700	257.516	-7.60	698+0.000			257.797	259.664	-1867	3.700	258.078	7.60	6.275	258.274	7.60	7.804	259.803	
-8.938	259.363	-6.275	256.700	-7.60	-3.700	256.896	-7.60	699+0.000			257.177	259.480	-2304	3.700	257.458	7.60	6.275	257.654	7.60	7.659	259.038	
-8.531	258.336	-6.275	256.080	-7.60	-3.700	256.275	-7.60	700+0.000			256.557	258.206	-1649	3.700	256.838	7.60	6.275	257.033	7.60	7.243	258.001	
-8.107	257.292	-6.275	255.459	-7.60	-3.700	255.655	-7.60	701+0.000			255.936	257.425	-1488	3.700	256.217	7.60	6.275	256.413	7.60	7.311	257.449	
-8.096	257.127	-6.275	255.306	-7.60	-3.700	255.502	-7.60	701+4.942			255.783	257.217	-1434	3.700	256.064	7.60	6.275	256.260	7.60	7.401	257.386	
-7.836	256.400	-6.275	254.839	-7.60	-3.700	255.035	-7.60	702+0.000			255.316	256.465	-1149	3.700	255.597	7.60	6.275	255.793	7.60	6.958	256.476	
-7.699	255.643	-6.275	254.219	-7.60	-3.700	254.414	-7.60	703+0.000			254.696	255.646	-0.951	3.700	254.977	7.60	6.275	255.173	7.60	6.842	255.739	
-7.464	254.787	-6.275	253.598	-7.60	-3.700	253.794	-7.60	704+0.000			254.075	254.767	-0.692	3.700	254.357	7.60	6.275	254.552	7.60	6.533	254.811	
-7.351	254.161	-6.275	253.085	-7.60	-3.700	253.281	-7.60	704+16.560	CS		253.562	253.980	-0.418	3.700	253.843	7.60	6.275	254.039	7.60	6.395	253.958	
-7.182	253.927	-6.264	253.009	-7.12	-3.689	253.192	-7.12	705+0.000			253.455	253.857	-0.402	3.686	253.718	7.12	6.261	253.901	7.12	6.381	253.821	
-6.604	252.977	-6.192	252.565	-4.36	-3.617	252.677	-4.36	706+0.000			252.835	252.938	-0.103	3.613	252.992	4.36	6.188	253.105	4.36	6.441	252.934	
-6.294	252.484	-6.155	252.345	-3.00	-3.580	252.422	-3.00	706+9.849			252.529	252.481	0.048	3.578	252.637	3.00	6.153	252.714	3.00	6.586	252.425	
-6.136	252.019	-6.118	252.031	-3.00	-3.543	252.108	-3.00	707+0.000			252.215	251.968	0.247	3.541	252.271	1.60	6.116	252.312	1.60	7.032	251.702	
-6.632	251.302	-6.075	251.674	-3.00	-3.500	251.751	-3.00	707+11.560			251.856	251.292	0.564	3.500	251.856	0.00	6.075	251.856	0.00	8.355	250.336	
-6.848	251.004	-6.075	251.519	-3.00	-3.500	251.596	-3.00	707+16.560	ST		251.701	251.025	0.676	3.500	251.677	-0.69	6.075	251.659	-0.69	8.567	249.998	
-7.010	250.789	-6.075	251.412	-3.00	-3.500	251.489	-3.00	708+0.000		PCV	251.594	250.849	0.745	3.500	251.553	-1.17	6.075	251.523	-1.17	8.668	249.794	

Artilheiro
Responsável Técnico
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenharia Civil
CREA-MT 1205190473

Fabrizio
Responsável Técnico
Engenheiro Henrique Eufrazio Segura
Engenharia Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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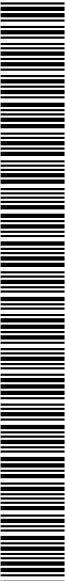
Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo					Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.696	249.956	-6.075	251.037	-3.00	-3.500	251.114	-3.00	708+13.270			251.219	249.973	1246	3.500	251.114	-3.00	6.075	251.037	-3.00	8.527	249.402	
-8.277	249.406	-6.075	250.874	-3.00	-3.500	250.951	-3.00	709+0.000			251.056	249.638	1418	3.500	250.951	-3.00	6.075	250.874	-3.00	8.571	249.210	
-9.068	248.505	-6.075	250.500	-3.00	-3.500	250.577	-3.00	710+0.000			250.682	248.998	1684	3.500	250.577	-3.00	6.075	250.500	-3.00	8.556	248.846	
-8.973	248.359	-6.075	250.291	-3.00	-3.500	250.368	-3.00	711+0.000			250.473	248.644	1829	3.500	250.368	-3.00	6.075	250.291	-3.00	8.354	248.771	
-10.044	247.600	-6.075	250.246	-3.00	-3.500	250.323	-3.00	712+0.000			250.428	248.880	1547	3.500	250.323	-3.00	6.075	250.246	-3.00	8.404	248.693	
-10.395	247.485	-6.075	250.365	-3.00	-3.500	250.442	-3.00	713+0.000			250.547	249.495	1052	3.500	250.442	-3.00	6.075	250.365	-3.00	10.223	247.600	
-11.262	247.191	-6.075	250.649	-3.00	-3.500	250.726	-3.00	714+0.000			250.831	249.810	1021	3.500	250.726	-3.00	6.075	250.649	-3.00	10.351	247.798	
-9.746	248.649	-6.075	251.097	-3.00	-3.500	251.174	-3.00	715+0.000			251.279	250.326	0.953	3.500	251.174	-3.00	6.075	251.097	-3.00	11.230	247.660	
-8.668	249.981	-6.075	251.709	-3.00	-3.500	251.786	-3.00	716+0.000			251.891	250.800	1091	3.500	251.786	-3.00	6.075	251.709	-3.00	8.529	250.073	
-7.061	251.828	-6.075	252.486	-3.00	-3.500	252.563	-3.00	717+0.000			252.668	252.119	0.549	3.500	252.563	-3.00	6.075	252.486	-3.00	7.795	251.339	
-6.939	251.946	-6.075	252.522	-3.00	-3.500	252.599	-3.00	717+0.825			252.704	252.188	0.515	3.500	252.599	-3.00	6.075	252.522	-3.00	7.648	251.473	
-6.876	252.022	-6.075	252.556	-2.91	-3.500	252.631	-2.91	717+1.492	TS		252.733	252.242	0.491	3.500	252.628	-3.00	6.075	252.551	-3.00	7.423	251.652	
-6.230	253.485	-6.075	253.588	-0.35	-3.500	253.597	-0.35	718+0.000		PTV	253.609	253.818	-0.209	3.500	253.504	-3.00	6.075	253.427	-3.00	6.344	253.696	
-6.230	253.613	-6.075	253.716	-0.35	-3.500	253.725	-0.35	718+2.492			253.737	254.036	-0.299	3.500	253.632	-3.00	6.075	253.555	-3.00	6.344	253.824	
-9.176	257.837	-6.120	254.781	2.42	-3.545	254.719	2.42	719+0.000			254.633	255.616	-0.983	3.545	254.526	-3.00	6.120	254.449	-3.00	7.225	255.554	
-9.176	258.050	-6.120	254.994	2.42	-3.545	254.931	2.42	719+4.159			254.845	255.916	-1071	3.545	254.739	-3.00	6.120	254.662	-3.00	7.225	255.767	
-9.563	259.369	-6.170	255.976	5.19	-3.595	255.843	5.19	720+0.000			255.656	256.986	-1330	3.597	255.469	-5.19	6.172	255.335	-5.19	7.604	256.767	
-9.271	259.162	-6.175	256.066	5.40	-3.600	255.927	5.40	720+1.492	SC		255.732	257.076	-1344	3.600	255.538	-5.40	6.175	255.399	-5.40	7.675	256.899	
-7.608	258.446	-6.175	257.013	5.40	-3.600	256.874	5.40	721+0.000			256.679	258.269	-1589	3.600	256.485	-5.40	6.175	256.346	-5.40	7.968	258.138	
-7.181	259.042	-6.175	258.036	5.40	-3.600	257.897	5.40	722+0.000			257.703	259.341	-1639	3.600	257.508	-5.40	6.175	257.369	-5.40	8.201	259.395	
-7.182	260.066	-6.175	259.059	5.40	-3.600	258.920	5.40	723+0.000			258.726	259.878	-1152	3.600	258.532	-5.40	6.175	258.392	-5.40	7.561	259.778	
-7.184	260.299	-6.175	259.289	5.40	-3.600	259.150	5.40	723+4.497			258.956	260.043	-1087	3.600	258.762	-5.40	6.175	258.623	-5.40	7.348	259.796	
-6.857	260.765	-6.175	260.083	5.40	-3.600	259.944	5.40	724+0.000			259.749	260.613	-0.864	3.600	259.555	-5.40	6.175	259.416	-5.40	7.356	260.597	
-6.879	261.810	-6.175	261.106	5.40	-3.600	260.967	5.40	725+0.000			260.773	261.613	-0.841	3.600	260.578	-5.40	6.175	260.439	-5.40	9.723	263.987	
-8.076	264.031	-6.175	262.129	5.40	-3.600	261.990	5.40	726+0.000			261.796	263.178	-1382	3.600	261.601	-5.40	6.175	261.462	-5.40	10.198	265.486	
-8.370	264.708	-6.175	262.513	5.40	-3.600	262.374	5.40	726+7.501	CS		262.180	263.802	-1622	3.600	261.985	-5.40	6.175	261.846	-5.40	10.647	266.318	
-8.625	265.527	-6.142	263.045	3.67	-3.567	262.950	3.67	727+0.000			262.819	264.865	-2046	3.569	262.688	-3.67	6.144	262.594	-3.67	11.599	268.049	
-8.770	265.890	-6.131	263.250	3.00	-3.556	263.173	3.00	727+4.835			263.067	265.268	-2201	3.556	262.960	-3.00	6.131	262.883	-3.00	11.477	268.229	
-9.743	267.548	-6.092	263.897	0.90	-3.517	263.874	0.90	728+0.000			263.843	266.592	-2750	3.517	263.737	-3.00	6.092	263.660	-3.00	11.214	268.782	
-10.311	268.411	-6.075	264.175	0.00	-3.500	264.175	0.00	728+6.501			264.175	267.217	-3042	3.500	264.070	-3.00	6.075	263.993	-3.00	10.720	268.638	
-10.685	269.362	-6.075	264.752	-1.87	-3.500	264.800	-1.87	729+0.000			264.866	268.519	-3653	3.500	264.761	-3.00	6.075	264.684	-3.00	10.589	269.197	
-10.430	269.428	-6.075	265.073	-2.91	-3.500	265.148	-2.91	729+7.501	ST		265.250	269.173	-3923	3.500	265.145	-3.00	6.075	265.067	-3.00	10.442	269.434	
-10.420	269.446	-6.075	265.101	-3.00	-3.500	265.179	-3.00	729+8.168			265.284	269.228	-3944	3.500	265.179	-3.00	6.075	265.101	-3.00	10.437	269.463	
-10.478	270.110	-6.075	265.707	-3.00	-3.500	265.784	-3.00	730+0.000			265.889	269.812	-3923	3.500	265.784	-3.00	6.075	265.707	-3.00	10.352	269.984	
-10.145	270.801	-6.075	266.730	-3.00	-3.500	266.807	-3.00	731+0.000		PCV	266.912	270.213	-3301	3.500	266.807	-3.00	6.075	266.730	-3.00	9.343	269.998	
-9.636	271.284	-6.075	267.723	-3.00	-3.500	267.800	-3.00	732+0.000			267.905	270.889	-2984	3.500	267.800	-3.00	6.075	267.723	-3.00	8.620	270.268	
-9.311	271.891	-6.075	268.655	-3.00	-3.500	268.732	-3.00	733+0.000			268.837	271.200	-2363	3.500	268.732	-3.00	6.075	268.655	-3.00	8.163	270.743	
-8.309	271.761	-6.075	269.526	-3.00	-3.500	269.604	-3.00	734+0.000			269.709	270.805	-1097	3.500	269.604	-3.00	6.075	269.526	-3.00	7.268	270.719	
-6.632	270.894	-6.075	270.337	-3.00	-3.500	270.414	-3.00	735+0.000			270.519	270.202	0.317	3.500	270.414	-3.00	6.075	270.337	-3.00	6.469	270.074	
-6.602	270.735	-6.075	271.086	-3.00	-3.500	271.164	-3.00	736+0.000			271.269	270.037	1232	3.500	271.164	-3.00	6.075	271.086	-3.00	7.640	270.043	

Responsável Técnico
Engenheiro Civil
CREA-MT 1205190473

Coordenador Geral
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
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Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338

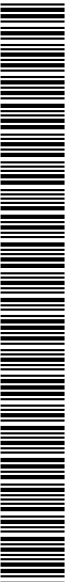
Lado Esquerdo									Eixo					Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6.841	271.264	-6.075	271.775	-3.00	-3.500	271.852	-3.00	737+0.000			271.957	270.234	1724	3.500	271.852	-3.00	6.075	271.775	-3.00	8.133	270.403	
-7.270	271.606	-6.075	272.403	-3.00	-3.500	272.480	-3.00	738+0.000			272.585	270.450	2136	3.500	272.480	-3.00	6.075	272.403	-3.00	8.565	270.743	
-8.089	271.627	-6.075	272.970	-3.00	-3.500	273.047	-3.00	739+0.000			273.152	270.676	2476	3.500	273.047	-3.00	6.075	272.970	-3.00	9.623	270.605	
-8.417	271.915	-6.075	273.476	-3.00	-3.500	273.553	-3.00	740+0.000			273.658	271.008	2651	3.500	273.553	-3.00	6.075	273.476	-3.00	10.143	270.764	
-9.759	271.466	-6.075	273.921	-3.00	-3.500	273.999	-3.00	741+0.000		PTV	274.104	271.020	3084	3.500	273.999	-3.00	6.075	273.921	-3.00	11.404	270.369	
-9.895	271.790	-6.075	274.336	-3.00	-3.500	274.414	-3.00	742+0.000			274.519	270.998	3521	3.500	274.414	-3.00	6.075	274.336	-3.00	11.279	270.867	
-9.391	272.540	-6.075	274.751	-3.00	-3.500	274.829	-3.00	743+0.000			274.934	271.402	3532	3.500	274.829	-3.00	6.075	274.751	-3.00	11.103	271.399	
-10.059	272.510	-6.075	275.166	-3.00	-3.500	275.243	-3.00	744+0.000			275.348	271.605	3744	3.500	275.243	-3.00	6.075	275.166	-3.00	11.119	271.803	
-10.339	272.738	-6.075	275.581	-3.00	-3.500	275.658	-3.00	745+0.000			275.763	272.195	3568	3.500	275.658	-3.00	6.075	275.581	-3.00	10.243	272.802	
-9.014	274.037	-6.075	275.996	-3.00	-3.500	276.073	-3.00	746+0.000			276.178	273.226	2952	3.500	276.073	-3.00	6.075	275.996	-3.00	9.180	273.926	
-8.636	274.407	-6.075	276.114	-3.00	-3.500	276.191	-3.00	746+5.674			276.296	273.778	2518	3.500	276.191	-3.00	6.075	276.114	-3.00	8.306	274.626	
-7.578	275.409	-6.075	276.411	-3.00	-3.500	276.488	-3.00	747+0.000			276.593	275.093	1500	3.500	276.558	-1.00	6.075	276.532	-1.00	7.856	275.345	
-7.536	275.504	-6.075	276.478	-3.00	-3.500	276.555	-3.00	747+3.212	TS		276.660	275.368	1292	3.500	276.640	-0.56	6.075	276.626	-0.56	8.063	275.301	
-7.536	275.587	-6.075	276.561	-3.00	-3.500	276.638	-3.00	747+7.212			276.743	275.633	1110	3.500	276.723	-0.56	6.075	276.709	-0.56	8.063	275.384	
-6.774	276.404	-6.144	276.824	-3.00	-3.569	276.901	-3.00	748+0.000			277.008	276.401	0.608	3.568	277.072	1.78	6.143	277.118	1.78	6.643	276.785	
-6.517	276.787	-6.191	277.004	-3.00	-3.616	277.081	-3.00	748+8.750			277.190	276.918	0.272	3.615	277.298	3.00	6.190	277.375	3.00	6.364	277.550	
-7.663	278.547	-6.253	277.138	-4.57	-3.678	277.255	-4.57	749+0.000			277.423	278.107	-0.684	3.673	277.591	4.57	6.248	277.709	4.57	7.843	279.303	
-9.727	280.741	-6.357	277.371	-7.35	-3.782	277.560	-7.35	750+0.000			277.838	280.242	-2404	3.782	278.116	7.35	6.357	278.306	7.35	8.169	280.117	
-9.821	280.853	-6.375	277.407	-7.80	-3.800	277.608	-7.80	750+3.212	SC		277.905	280.507	-2602	3.800	278.201	7.80	6.375	278.402	7.80	8.147	280.174	
-10.599	281.980	-6.375	277.756	-7.80	-3.800	277.957	-7.80	751+0.000			278.253	281.431	-3178	3.800	278.549	7.80	6.375	278.750	7.80	9.124	281.499	
-11.099	282.894	-6.375	278.171	-7.80	-3.800	278.372	-7.80	752+0.000			278.668	283.373	-4705	3.800	278.964	7.80	6.375	279.165	7.80	10.265	283.055	
-11.153	283.364	-6.375	278.586	-7.80	-3.800	278.786	-7.80	753+0.000			279.083	283.899	-4816	3.800	279.379	7.80	6.375	279.580	7.80	10.790	283.995	
-11.207	283.833	-6.375	279.001	-7.80	-3.800	279.201	-7.80	754+0.000			279.498	284.586	-5089	3.800	279.794	7.80	6.375	279.995	7.80	11.543	285.163	
-12.223	285.263	-6.375	279.416	-7.80	-3.800	279.616	-7.80	755+0.000			279.913	285.577	-5664	3.800	280.209	7.80	6.375	280.410	7.80	11.824	285.859	
-12.098	285.553	-6.375	279.830	-7.80	-3.800	280.031	-7.80	756+0.000			280.328	285.979	-5651	3.800	280.624	7.80	6.375	280.825	7.80	11.848	286.298	
-11.973	285.844	-6.375	280.245	-7.80	-3.800	280.446	-7.80	757+0.000			280.743	286.005	-5262	3.800	281.039	7.80	6.375	281.240	7.80	11.337	286.201	
-11.447	285.733	-6.375	280.660	-7.80	-3.800	280.861	-7.80	758+0.000			281.158	285.731	-4574	3.800	281.454	7.80	6.375	281.655	7.80	10.735	286.015	
-10.570	285.271	-6.375	281.075	-7.80	-3.800	281.276	-7.80	759+0.000			281.572	285.112	-3540	3.800	281.869	7.80	6.375	282.070	7.80	9.229	284.924	
-9.509	284.625	-6.375	281.490	-7.80	-3.800	281.691	-7.80	760+0.000			281.987	284.462	-2474	3.800	282.284	7.80	6.375	282.485	7.80	8.239	284.349	
-9.239	284.461	-6.375	281.597	-7.80	-3.800	281.798	-7.80	760+5.164			282.095	284.184	-2090	3.800	282.391	7.80	6.375	282.592	7.80	7.976	284.193	
-8.529	284.059	-6.375	281.905	-7.80	-3.800	282.106	-7.80	761+0.000			282.402	283.854	-1451	3.800	282.699	7.80	6.375	282.900	7.80	7.301	283.825	
-7.646	283.591	-6.375	282.320	-7.80	-3.800	282.521	-7.80	762+0.000		PCV	282.817	283.447	-0.629	3.800	283.114	7.80	6.375	283.315	7.80	6.409	283.292	
-6.512	282.841	-6.375	282.703	-7.80	-3.800	282.904	-7.80	763+0.000			283.201	282.801	0.400	3.800	283.497	7.80	6.375	283.698	7.80	7.961	282.641	
-7.015	282.597	-6.375	283.024	-7.80	-3.800	283.225	-7.80	764+0.000			283.521	282.443	1078	3.800	283.818	7.80	6.375	284.018	7.80	9.242	282.107	
-8.094	282.136	-6.375	283.281	-7.80	-3.800	283.482	-7.80	765+0.000			283.779	281.968	1811	3.800	284.075	7.80	6.375	284.276	7.80	10.258	281.687	
-8.695	281.929	-6.375	283.476	-7.80	-3.800	283.677	-7.80	766+0.000			283.973	281.813	2160	3.800	284.269	7.80	6.375	284.470	7.80	10.685	281.597	
-8.787	281.999	-6.375	283.607	-7.80	-3.800	283.808	-7.80	767+0.000			284.104	281.955	2149	3.800	284.401	7.80	6.375	284.602	7.80	10.906	281.581	
-8.735	282.102	-6.375	283.675	-7.80	-3.800	283.876	-7.80	768+0.000			284.173	282.026	2147	3.800	284.469	7.80	6.375	284.670	7.80	11.579	281.200	
-8.208	282.459	-6.375	283.681	-7.80	-3.800	283.882	-7.80	769+0.000			284.178	282.245	1933	3.800	284.474	7.80	6.375	284.675	7.80	10.991	281.598	
-7.869	282.627	-6.375	283.623	-7.80	-3.800	283.824	-7.80	770+0.000			284.120	282.037	2083	3.800	284.417	7.80	6.375	284.618	7.80	9.630	282.447	

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km

(Signature)
Responsável Técnico
 Engenheiro Everaldo Tadeu Bezerra de Castro
 Engenheiro Civil
 CREA-MT 12051904/3

(Signature)
Responsável
 Engenheiro Henrique Eufrazio Segura
 Engenheiro Civil
 CREA: 12124833/7

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SINFRA/PA 202604098A





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.641	282.743	-6.375	283.587	-7.80	-3.800	283.788	-7.80	770+7.117	CS		284.085	282.266	1819	3.900	284.381	7.80	6.375	284.582	7.80	9.347	282.601	
-7.502	282.825	-6.308	283.621	-6.01	-3.733	283.776	-6.01	771+0.000			284.000	282.520	1480	3.729	284.224	6.01	6.304	284.378	6.01	8.395	282.985	
-7.726	282.599	-6.201	283.616	-3.22	-3.626	283.699	-3.22	772+0.000			283.816	282.783	1033	3.622	283.933	3.22	6.197	284.016	3.22	7.866	282.903	
-7.705	282.604	-6.191	283.613	-3.00	-3.616	283.690	-3.00	772+1.578			283.799	282.792	1007	3.615	283.907	3.00	6.190	283.985	3.00	7.802	282.910	
-7.072	282.733	-6.092	283.387	-3.00	-3.517	283.464	-3.00	773+0.000			283.569	282.714	0.856	3.517	283.585	0.43	6.092	283.596	0.43	7.286	282.800	
-6.956	282.756	-6.075	283.343	-3.00	-3.500	283.420	-3.00	773+3.117			283.525	282.770	0.756	3.500	283.525	0.00	6.075	283.525	0.00	7.412	282.634	
-6.913	282.725	-6.075	283.284	-3.00	-3.500	283.361	-3.00	773+7.117	ST		283.466	282.701	0.766	3.500	283.447	-0.56	6.075	283.433	-0.56	7.129	282.730	
-6.760	282.621	-6.075	283.078	-3.00	-3.500	283.155	-3.00	774+0.000			283.260	282.583	0.676	3.500	283.177	-2.35	6.075	283.117	-2.35	6.554	282.797	
-6.649	282.614	-6.075	282.996	-3.00	-3.500	283.074	-3.00	774+4.655			283.179	282.399	0.779	3.500	283.074	-3.00	6.075	282.996	-3.00	6.367	282.802	
-6.531	282.401	-6.075	282.705	-3.00	-3.500	282.782	-3.00	775+0.000			282.887	282.112	0.775	3.500	282.782	-3.00	6.075	282.705	-3.00	6.400	282.488	
-6.576	281.935	-6.075	282.269	-3.00	-3.500	282.346	-3.00	776+0.000			282.451	281.598	0.854	3.500	282.346	-3.00	6.075	282.269	-3.00	6.084	282.263	
-7.201	281.020	-6.075	281.770	-3.00	-3.500	281.848	-3.00	777+0.000			281.953	280.768	1185	3.500	281.848	-3.00	6.075	281.770	-3.00	6.313	281.612	
-7.740	280.099	-6.075	281.209	-3.00	-3.500	281.286	-3.00	778+0.000		PTV	281.391	280.108	1283	3.500	281.286	-3.00	6.075	281.209	-3.00	6.077	281.211	
-7.897	279.401	-6.075	280.616	-3.00	-3.500	280.693	-3.00	779+0.000			280.798	279.817	0.981	3.500	280.693	-3.00	6.075	280.616	-3.00	6.093	280.604	
-7.914	278.796	-6.075	280.022	-3.00	-3.500	280.100	-3.00	780+0.000			280.205	279.283	0.922	3.500	280.100	-3.00	6.075	280.022	-3.00	6.133	280.080	
-7.920	278.199	-6.075	279.429	-3.00	-3.500	279.506	-3.00	781+0.000			279.611	278.400	1211	3.500	279.506	-3.00	6.075	279.429	-3.00	6.136	279.388	
-7.662	277.778	-6.075	278.836	-3.00	-3.500	278.913	-3.00	782+0.000			279.018	277.952	1066	3.500	278.913	-3.00	6.075	278.836	-3.00	6.131	278.798	
-7.345	277.396	-6.075	278.243	-3.00	-3.500	278.320	-3.00	783+0.000			278.425	277.599	0.826	3.500	278.320	-3.00	6.075	278.243	-3.00	6.184	278.352	
-7.565	276.656	-6.075	277.649	-3.00	-3.500	277.727	-3.00	784+0.000			277.832	277.248	0.584	3.500	277.727	-3.00	6.075	277.649	-3.00	6.314	277.490	
-7.354	276.203	-6.075	277.056	-3.00	-3.500	277.133	-3.00	785+0.000			277.238	276.948	0.291	3.500	277.133	-3.00	6.075	277.056	-3.00	6.200	276.973	
-7.323	276.055	-6.075	276.887	-3.00	-3.500	276.964	-3.00	785+5.713			277.069	276.801	0.268	3.500	276.964	-3.00	6.075	276.887	-3.00	6.171	276.823	

Obs.: Existe uma igualdade de estacas (Estaca 785+5.713 = Estaca 792+0.00)

Amador de Castro
 Responsável Técnico
 Engenheiro Everaldo Tadeu Bezerra de Castro
 Engenheiro Civil
 CREA-MT 1205190473

Fabrice Henrique Eufrazio Segura
 Coordenador
 Engenheiro Civil
 CREA: 112148337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
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 Extensão Total: 24,445 km



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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.323	276.055	-6.075	276.887	-3.00	-3.500	276.964	-3.00	792+0.000			277.069	276.801	0.268	3.500	276.984	-3.00	6.075	276.887	-3.00	6.171	276.823	
-7.597	275.278	-6.075	276.293	-3.00	-3.500	276.371	-3.00	793+0.000			276.476	276.402	0.074	3.500	276.371	-3.00	6.075	276.293	-3.00	6.174	276.392	
-7.423	274.801	-6.075	275.700	-3.00	-3.500	275.777	-3.00	794+0.000			275.882	275.742	0.140	3.500	275.777	-3.00	6.075	275.700	-3.00	6.276	275.901	
-7.269	274.311	-6.075	275.107	-3.00	-3.500	275.184	-3.00	795+0.000			275.289	275.203	0.087	3.500	275.184	-3.00	6.075	275.107	-3.00	6.377	275.409	
-7.296	273.700	-6.075	274.514	-3.00	-3.500	274.591	-3.00	796+0.000			274.696	274.621	0.075	3.500	274.591	-3.00	6.075	274.514	-3.00	6.364	274.802	
-7.551	272.936	-6.075	273.921	-3.00	-3.500	273.998	-3.00	797+0.000			274.103	273.795	0.308	3.500	273.998	-3.00	6.075	273.921	-3.00	6.143	273.989	
-7.867	272.133	-6.075	273.327	-3.00	-3.500	273.405	-3.00	798+0.000			273.510	272.999	0.511	3.500	273.405	-3.00	6.075	273.327	-3.00	6.582	272.989	
-8.019	271.438	-6.075	272.734	-3.00	-3.500	272.811	-3.00	799+0.000			272.916	272.303	0.613	3.500	272.811	-3.00	6.075	272.734	-3.00	6.735	272.294	
-8.096	270.794	-6.075	272.141	-3.00	-3.500	272.218	-3.00	800+0.000			272.323	271.720	0.603	3.500	272.218	-3.00	6.075	272.141	-3.00	6.795	271.661	
-7.724	270.448	-6.075	271.548	-3.00	-3.500	271.625	-3.00	801+0.000			271.730	270.999	0.730	3.500	271.625	-3.00	6.075	271.548	-3.00	6.994	270.935	
-8.117	269.593	-6.075	270.954	-3.00	-3.500	271.032	-3.00	802+0.000			271.137	270.391	0.746	3.500	271.032	-3.00	6.075	270.954	-3.00	7.143	270.242	
-9.018	268.399	-6.075	270.361	-3.00	-3.500	270.439	-3.00	803+0.000			270.544	269.642	0.902	3.500	270.439	-3.00	6.075	270.361	-3.00	7.480	269.424	
-9.061	267.777	-6.075	269.768	-3.00	-3.500	269.845	-3.00	804+0.000			269.950	268.842	1.108	3.500	269.845	-3.00	6.075	269.768	-3.00	8.061	268.444	
-8.528	267.540	-6.075	269.175	-3.00	-3.500	269.252	-3.00	805+0.000		PCV	269.357	267.982	1.376	3.500	269.252	-3.00	6.075	269.175	-3.00	9.264	267.049	
-8.164	267.203	-6.075	268.596	-3.00	-3.500	268.673	-3.00	806+0.000			268.778	266.777	2.001	3.500	268.673	-3.00	6.075	268.596	-3.00	9.866	266.069	
-8.014	266.753	-6.075	268.046	-3.00	-3.500	268.123	-3.00	807+0.000			268.228	266.552	1.676	3.500	268.123	-3.00	6.075	268.046	-3.00	9.460	265.789	
-7.767	266.396	-6.075	267.524	-3.00	-3.500	267.601	-3.00	808+0.000			267.706	265.827	1.879	3.500	267.601	-3.00	6.075	267.524	-3.00	9.868	264.995	
-7.874	265.831	-6.075	267.031	-3.00	-3.500	267.108	-3.00	809+0.000			267.213	265.369	1.844	3.500	267.108	-3.00	6.075	267.031	-3.00	9.503	264.745	
-7.366	265.706	-6.075	266.566	-3.00	-3.500	266.643	-3.00	810+0.000			266.748	265.065	1.683	3.500	266.643	-3.00	6.075	266.566	-3.00	9.139	264.523	
-7.159	265.407	-6.075	266.130	-3.00	-3.500	266.207	-3.00	811+0.000			266.312	265.123	1.189	3.500	266.207	-3.00	6.075	266.130	-3.00	8.229	264.694	
-6.567	265.395	-6.075	265.723	-3.00	-3.500	265.800	-3.00	812+0.000			265.905	265.110	0.795	3.500	265.800	-3.00	6.075	265.723	-3.00	7.575	264.723	
-6.131	265.400	-6.075	265.344	-3.00	-3.500	265.421	-3.00	813+0.000			265.526	265.136	0.390	3.500	265.421	-3.00	6.075	265.344	-3.00	6.902	264.792	
-6.196	264.913	-6.075	264.994	-3.00	-3.500	265.071	-3.00	814+0.000			265.176	264.614	0.562	3.500	265.071	-3.00	6.075	264.994	-3.00	6.943	264.415	
-6.200	264.797	-6.075	264.672	-3.00	-3.500	264.749	-3.00	815+0.000		PTV	264.854	264.526	0.329	3.500	264.749	-3.00	6.075	264.672	-3.00	6.498	264.390	
-6.600	264.889	-6.075	264.365	-3.00	-3.500	264.442	-3.00	816+0.000			264.547	264.396	0.151	3.500	264.442	-3.00	6.075	264.365	-3.00	6.252	264.246	
-6.818	264.800	-6.075	264.057	-3.00	-3.500	264.135	-3.00	817+0.000			264.240	264.420	-0.181	3.500	264.135	-3.00	6.075	264.057	-3.00	6.317	264.300	
-6.630	264.305	-6.075	263.750	-3.00	-3.500	263.827	-3.00	818+0.000			263.932	264.074	-0.142	3.500	263.827	-3.00	6.075	263.750	-3.00	6.347	264.022	
-6.870	264.238	-6.075	263.443	-3.00	-3.500	263.520	-3.00	819+0.000			263.625	263.935	-0.310	3.500	263.520	-3.00	6.075	263.443	-3.00	6.561	263.929	
-6.728	263.789	-6.075	263.135	-3.00	-3.500	263.213	-3.00	820+0.000			263.318	263.566	-0.249	3.500	263.213	-3.00	6.075	263.135	-3.00	6.340	263.400	
-6.655	263.600	-6.075	263.020	-3.00	-3.500	263.098	-3.00	820+7.478		PC	263.203	263.374	-0.171	3.500	263.098	-3.00	6.075	263.020	-3.00	6.455	263.400	
-6.648	263.401	-6.075	262.828	-3.00	-3.500	262.905	-3.00	821+0.000			263.010	263.074	-0.064	3.500	262.905	-3.00	6.075	262.828	-3.00	6.278	263.030	
-6.169	262.614	-6.075	262.521	-3.00	-3.500	262.598	-3.00	822+0.000			262.703	262.600	0.103	3.500	262.598	-3.00	6.075	262.521	-3.00	6.282	262.727	
-6.258	262.396	-6.075	262.213	-3.00	-3.500	262.290	-3.00	823+0.000			262.395	262.397	-0.002	3.500	262.290	-3.00	6.075	262.213	-3.00	6.328	262.467	

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[Assinatura]
Responsável Técnico
Engenheiro Everaldo Tadeu Bezerra de Castro
CREA-MT 1205190473

[Assinatura]
Comprovaçãvel
Engenheiro Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
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Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset			Bordo da Plataforma			Bordo Pistá de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pistá de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-6.302	262.381	-6.075	262.154	-3.00	-3.500	262.231	-3.00	823+3.836			262.336	262.321	0.015	3.500	262.231	-3.00	6.075	262.154	-3.00	6.371	262.450	
-6.368	262.199	-6.075	261.906	-3.00	-3.500	261.983	-3.00	824+0.000			262.088	262.403	-0.315	3.500	261.983	-3.00	6.075	261.906	-3.00	6.570	262.401	
-7.023	262.547	-6.075	261.598	-3.00	-3.500	261.676	-3.00	825+0.000			261.781	262.330	-0.550	3.500	261.676	-3.00	6.075	261.598	-3.00	6.877	262.400	
-6.731	261.947	-6.075	261.291	-3.00	-3.500	261.368	-3.00	826+0.000			261.473	261.736	-0.262	3.500	261.368	-3.00	6.075	261.291	-3.00	6.570	261.786	
-6.728	261.941	-6.075	261.288	-3.00	-3.500	261.365	-3.00	826+0.193	PT		261.470	261.731	-0.261	3.500	261.365	-3.00	6.075	261.288	-3.00	6.573	261.786	
-6.093	261.002	-6.075	260.984	-3.00	-3.500	261.061	-3.00	827+0.000			261.166	261.143	0.023	3.500	261.061	-3.00	6.075	260.984	-3.00	6.369	261.278	
-6.309	260.521	-6.075	260.676	-3.00	-3.500	260.754	-3.00	828+0.000			260.859	260.773	0.086	3.500	260.754	-3.00	6.075	260.676	-3.00	6.244	260.846	
-6.119	260.413	-6.075	260.369	-3.00	-3.500	260.446	-3.00	829+0.000			260.551	260.455	0.096	3.500	260.446	-3.00	6.075	260.369	-3.00	6.199	260.493	
-7.004	259.442	-6.075	260.062	-3.00	-3.500	260.139	-3.00	830+0.000			260.244	259.605	0.639	3.500	260.139	-3.00	6.075	260.062	-3.00	6.625	259.695	
-7.822	258.589	-6.075	259.754	-3.00	-3.500	259.832	-3.00	831+0.000			259.937	258.960	0.977	3.500	259.832	-3.00	6.075	259.754	-3.00	7.254	258.969	
-9.777	256.979	-6.075	259.447	-3.00	-3.500	259.524	-3.00	832+0.000			259.629	258.141	1.488	3.500	259.524	-3.00	6.075	259.447	-3.00	7.658	258.392	
-9.445	256.893	-6.075	259.140	-3.00	-3.500	259.217	-3.00	833+0.000			259.322	257.378	1.944	3.500	259.217	-3.00	6.075	259.140	-3.00	8.198	257.724	
-8.823	257.000	-6.075	258.832	-3.00	-3.500	258.910	-3.00	834+0.000			259.015	256.852	2.162	3.500	258.910	-3.00	6.075	258.832	-3.00	8.199	257.137	
-8.478	256.923	-6.075	258.525	-3.00	-3.500	258.602	-3.00	835+0.000		PCV	258.707	256.582	2.125	3.500	258.602	-3.00	6.075	258.525	-3.00	8.452	256.941	
-8.766	256.447	-6.075	258.241	-3.00	-3.500	258.318	-3.00	836+0.000			258.423	256.769	1.654	3.500	258.318	-3.00	6.075	258.241	-3.00	8.537	256.400	
-8.894	256.125	-6.075	258.004	-3.00	-3.500	258.082	-3.00	837+0.000			258.187	256.604	1.582	3.500	258.082	-3.00	6.075	258.004	-3.00	8.642	256.293	
-8.703	256.063	-6.075	257.815	-3.00	-3.500	257.892	-3.00	838+0.000			257.997	256.494	1.503	3.500	257.892	-3.00	6.075	257.815	-3.00	8.006	256.528	
-8.617	255.977	-6.075	257.672	-3.00	-3.500	257.749	-3.00	839+0.000			257.854	256.896	0.959	3.500	257.749	-3.00	6.075	257.672	-3.00	7.072	257.007	
-12.459	253.320	-6.075	257.576	-3.00	-3.500	257.654	-3.00	840+0.000			257.759	255.265	2.493	3.500	257.654	-3.00	6.075	257.576	-3.00	9.447	255.328	
-6.494	257.249	-6.075	257.528	-3.00	-3.500	257.605	-3.00	841+0.000			257.710	256.190	1.520	3.500	257.605	-3.00	6.075	257.528	-3.00	11.719	253.765	
-6.313	257.368	-6.075	257.526	-3.00	-3.500	257.603	-3.00	842+0.000			257.708	256.510	1.198	3.500	257.603	-3.00	6.075	257.526	-3.00	9.441	255.282	
-6.872	257.040	-6.075	257.572	-3.00	-3.500	257.649	-3.00	843+0.000			257.754	256.185	1.569	3.500	257.649	-3.00	6.075	257.572	-3.00	8.678	255.836	
-7.383	256.792	-6.075	257.664	-3.00	-3.500	257.742	-3.00	844+0.000			257.847	256.358	1.488	3.500	257.742	-3.00	6.075	257.664	-3.00	8.274	256.198	
-7.652	256.753	-6.075	257.804	-3.00	-3.500	257.881	-3.00	845+0.000		PTV	257.986	256.491	1.495	3.500	257.881	-3.00	6.075	257.804	-3.00	8.182	256.399	
-8.071	256.636	-6.075	257.967	-3.00	-3.500	258.044	-3.00	846+0.000			258.149	256.539	1.611	3.500	258.044	-3.00	6.075	257.967	-3.00	8.151	256.583	
-7.981	256.860	-6.075	258.130	-3.00	-3.500	258.208	-3.00	847+0.000		PCV	258.313	256.869	1.444	3.500	258.208	-3.00	6.075	258.130	-3.00	7.517	257.169	
-7.830	257.155	-6.075	258.325	-3.00	-3.500	258.402	-3.00	848+0.000			258.507	257.005	1.502	3.500	258.402	-3.00	6.075	258.325	-3.00	7.762	257.200	
-7.028	257.946	-6.075	258.582	-3.00	-3.500	258.659	-3.00	849+0.000			258.764	257.000	1.764	3.500	258.659	-3.00	6.075	258.582	-3.00	8.447	257.000	
-8.327	257.400	-6.075	258.901	-3.00	-3.500	258.978	-3.00	850+0.000			259.083	257.451	1.632	3.500	258.978	-3.00	6.075	258.901	-3.00	7.610	257.878	
-8.049	257.967	-6.075	259.283	-3.00	-3.500	259.360	-3.00	851+0.000			259.465	258.442	1.023	3.500	259.360	-3.00	6.075	259.283	-3.00	6.776	258.815	
-7.077	259.059	-6.075	259.727	-3.00	-3.500	259.804	-3.00	852+0.000			259.909	259.276	0.633	3.500	259.804	-3.00	6.075	259.727	-3.00	6.183	259.655	
-7.428	259.332	-6.075	260.234	-3.00	-3.500	260.311	-3.00	853+0.000			260.416	259.627	0.789	3.500	260.311	-3.00	6.075	260.234	-3.00	6.588	259.892	
-7.409	259.914	-6.075	260.803	-3.00	-3.500	260.880	-3.00	854+0.000			260.985	259.999	0.986	3.500	260.880	-3.00	6.075	260.803	-3.00	6.884	260.263	
-7.312	260.244	-6.075	261.069	-3.00	-3.500	261.146	-3.00	854+8.649	PC		261.251	260.397	0.853	3.500	261.146	-3.00	6.075	261.069	-3.00	6.961	260.478	
-7.348	260.586	-6.075	261.435	-3.00	-3.500	261.512	-3.00	855+0.000			261.617	260.806	0.811	3.500	261.512	-3.00	6.075	261.435	-3.00	6.806	260.948	
-7.795	260.982	-6.075	262.129	-3.00	-3.500	262.206	-3.00	856+0.000			262.311	261.257	1.054	3.500	262.206	-3.00	6.075	262.129	-3.00	7.114	261.437	
-7.266	262.092	-6.075	262.886	-3.00	-3.500	262.963	-3.00	857+0.000		PTV	263.068	262.252	0.816	3.500	262.963	-3.00	6.075	262.886	-3.00	6.855	262.366	
-7.069	263.011	-6.075	263.674	-3.00	-3.500	263.751	-3.00	858+0.000			263.856	263.169	0.687	3.500	263.751	-3.00	6.075	263.674	-3.00	6.557	263.352	
-7.036	263.430	-6.075	264.071	-3.00	-3.500	264.148	-3.00	858+10.094			264.253	263.673	0.580	3.500	264.148	-3.00	6.075	264.071	-3.00	6.439	263.829	
-7.017	263.833	-6.075	264.461	-3.00	-3.500	264.539	-3.00	859+0.000			264.644	264.003	0.641	3.500	264.539	-3.00	6.075	264.461	-3.00	6.561	264.138	
-7.058	264.594	-6.075	265.249	-3.00	-3.500	265.327	-3.00	860+0.000			265.432	264.723	0.709	3.500	265.327	-3.00	6.075	265.249	-3.00	6.562	264.925	
-7.169	265.308	-6.075	266.037	-3.00	-3.500	266.115	-3.00	861+0.000			266.220	265.515	0.704	3.500	266.115	-3.00	6.075	266.037	-3.00	6.657	265.650	

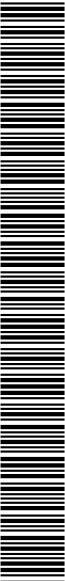
Responsável Técnico
Engenheiro Civil
CREA-MT 1205190473

Responsável Técnico
Engenheiro Civil
CREA: 121248337-7

VOLUME 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



HASH: 41 98a5b5b891a1 a02089c1874b4b55aca 14324a426bd3b 1e675ac8af5a176c4. Documento assinado digitalmente, valide em https://autenticacao.sinfra.mt.gov.br/flow/beepub/#/validar/4V2L-967E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA P202604098A





Nota de Serviço de Terraplenagem da MT-338																										
Lado Esquerdo									Eixo									Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.361	265.968	-6.075	266.825	-3.00	-3.500	266.902	-3.00	862+0.000			267.007	266.141	0.866	3.500	266.902	-3.00	6.075	266.825	-3.00	6.900	266.275					
-7.252	266.495	-6.075	267.280	-3.00	-3.500	267.357	-3.00	862+11.539	PT		267.462	266.658	0.804	3.500	267.357	-3.00	6.075	267.280	-3.00	6.795	266.800					
-7.180	266.876	-6.075	267.613	-3.00	-3.500	267.690	-3.00	863+0.000		PCV	267.795	266.988	0.807	3.500	267.690	-3.00	6.075	267.613	-3.00	6.789	267.137					
-6.848	267.847	-6.075	268.363	-3.00	-3.500	268.440	-3.00	864+0.000			268.545	267.985	0.560	3.500	268.440	-3.00	6.075	268.363	-3.00	6.776	267.895					
-6.726	268.602	-6.075	269.036	-3.00	-3.500	269.113	-3.00	865+0.000			269.218	268.576	0.642	3.500	269.113	-3.00	6.075	269.036	-3.00	6.632	268.664					
-6.736	269.192	-6.075	269.633	-3.00	-3.500	269.710	-3.00	866+0.000			269.815	269.298	0.517	3.500	269.710	-3.00	6.075	269.633	-3.00	6.648	269.250					
-6.274	270.351	-6.075	270.153	-3.00	-3.500	270.230	-3.00	867+0.000			270.335	269.869	0.466	3.500	270.230	-3.00	6.075	270.153	-3.00	6.605	269.800					
-6.808	270.108	-6.075	270.597	-3.00	-3.500	270.674	-3.00	868+0.000			270.779	270.200	0.579	3.500	270.674	-3.00	6.075	270.597	-3.00	6.669	270.200					
-7.645	269.917	-6.075	270.964	-3.00	-3.500	271.041	-3.00	869+0.000			271.146	270.416	0.730	3.500	271.041	-3.00	6.075	270.964	-3.00	6.890	270.421					
-7.661	270.198	-6.075	271.255	-3.00	-3.500	271.332	-3.00	870+0.000			271.437	270.776	0.661	3.500	271.332	-3.00	6.075	271.255	-3.00	6.889	270.712					
-7.553	270.484	-6.075	271.469	-3.00	-3.500	271.547	-3.00	871+0.000			271.652	271.004	0.647	3.500	271.547	-3.00	6.075	271.469	-3.00	6.765	271.009					
-7.117	270.912	-6.075	271.607	-3.00	-3.500	271.684	-3.00	872+0.000			271.789	271.521	0.268	3.500	271.684	-3.00	6.075	271.607	-3.00	6.364	271.415					
-6.569	271.339	-6.075	271.669	-3.00	-3.500	271.746	-3.00	873+0.000			271.851	271.802	0.049	3.500	271.746	-3.00	6.075	271.669	-3.00	6.140	271.734					
-6.223	271.801	-6.075	271.654	-3.00	-3.500	271.731	-3.00	874+0.000			271.836	272.005	-0.170	3.500	271.731	-3.00	6.075	271.654	-3.00	6.507	272.086					
-6.713	272.200	-6.075	271.562	-3.00	-3.500	271.639	-3.00	875+0.000			271.744	272.199	-0.454	3.500	271.639	-3.00	6.075	271.562	-3.00	6.687	272.174					
-6.881	272.200	-6.075	271.394	-3.00	-3.500	271.471	-3.00	876+0.000			271.576	272.193	-0.616	3.500	271.471	-3.00	6.075	271.394	-3.00	6.841	272.160					
-6.779	271.854	-6.075	271.150	-3.00	-3.500	271.227	-3.00	877+0.000			271.332	272.001	-0.669	3.500	271.227	-3.00	6.075	271.150	-3.00	6.926	272.001					
-6.844	271.598	-6.075	270.829	-3.00	-3.500	270.906	-3.00	878+0.000			271.011	271.744	-0.733	3.500	270.906	-3.00	6.075	270.829	-3.00	7.046	271.800					
-6.763	271.322	-6.075	270.635	-3.00	-3.500	270.712	-3.00	878+10.240	PC		270.817	271.528	-0.711	3.500	270.712	-3.00	6.075	270.635	-3.00	7.184	271.743					
-6.902	271.258	-6.075	270.431	-3.00	-3.500	270.509	-3.00	879+0.000		PTV	270.614	271.311	-0.697	3.500	270.509	-3.00	6.075	270.431	-3.00	7.261	271.618					
-7.523	271.444	-6.075	269.996	-3.00	-3.500	270.073	-3.00	880+0.000		PCV	270.178	270.826	-0.648	3.500	270.073	-3.00	6.075	269.996	-3.00	7.279	271.200					
-6.766	270.320	-6.075	269.628	-3.00	-3.500	269.706	-3.00	881+0.000			269.811	269.928	-0.117	3.500	269.706	-3.00	6.075	269.628	-3.00	6.296	269.850					
-6.430	269.752	-6.075	269.397	-3.00	-3.500	269.475	-3.00	882+0.000			269.580	268.709	0.870	3.500	269.475	-3.00	6.075	269.397	-3.00	6.904	268.845					
-6.767	268.863	-6.075	269.324	-3.00	-3.500	269.402	-3.00	882+11.973			269.507	268.490	1.016	3.500	269.402	-3.00	6.075	269.324	-3.00	7.603	268.306					
-7.294	268.491	-6.075	269.303	-3.00	-3.500	269.380	-3.00	883+0.000			269.485	268.358	1.127	3.500	269.380	-3.00	6.075	269.303	-3.00	8.399	267.754					
-8.127	267.977	-6.075	269.345	-3.00	-3.500	269.422	-3.00	884+0.000			269.527	268.267	1.260	3.500	269.422	-3.00	6.075	269.345	-3.00	10.688	266.269					
-9.752	267.072	-6.075	269.523	-3.00	-3.500	269.600	-3.00	885+0.000			269.705	268.500	1.206	3.500	269.600	-3.00	6.075	269.523	-3.00	9.824	267.024					
-9.685	267.432	-6.075	269.838	-3.00	-3.500	269.915	-3.00	886+0.000			270.020	268.401	1.620	3.500	269.915	-3.00	6.075	269.838	-3.00	8.530	268.201					
-9.569	267.803	-6.075	270.132	-3.00	-3.500	270.210	-3.00	886+13.706	PT		270.315	268.253	2.061	3.500	270.210	-3.00	6.075	270.132	-3.00	8.530	268.496					
-9.457	268.034	-6.075	270.289	-3.00	-3.500	270.366	-3.00	887+0.000			270.471	268.411	2.060	3.500	270.366	-3.00	6.075	270.289	-3.00	8.303	268.804					
-7.388	270.001	-6.075	270.877	-3.00	-3.500	270.954	-3.00	888+0.000			271.059	269.488	1.571	3.500	270.954	-3.00	6.075	270.877	-3.00	7.442	269.965					
-6.531	271.297	-6.075	271.601	-3.00	-3.500	271.678	-3.00	889+0.000			271.783	271.012	0.771	3.500	271.678	-3.00	6.075	271.601	-3.00	6.739	271.158					
-6.298	272.313	-6.075	272.461	-3.00	-3.500	272.538	-3.00	890+0.000		PTV	272.643	272.056	0.588	3.500	272.538	-3.00	6.075	272.461	-3.00	6.853	271.942					
-6.184	273.317	-6.075	273.390	-3.00	-3.500	273.467	-3.00	891+0.000			273.572	273.066	0.507	3.500	273.467	-3.00	6.075	273.390	-3.00	6.985	272.783					
-6.366	274.125	-6.075	274.319	-3.00	-3.500	274.396	-3.00	892+0.000			274.501	274.037	0.464	3.500	274.396	-3.00	6.075	274.319	-3.00	6.907	273.764					
-6.502	274.963	-6.075	275.247	-3.00	-3.500	275.325	-3.00	893+0.000			275.430	275.001	0.429	3.500	275.325	-3.00	6.075	275.247	-3.00	6.744	274.801					
-6.630	275.806	-6.075	276.176	-3.00	-3.500	276.253	-3.00	894+0.000			276.358	275.797	0.562	3.500	276.253	-3.00	6.075	276.176	-3.00	7.008	275.554					
-6.915	276.545	-6.075	277.105	-3.00	-3.500	277.182	-3.00	895+0.000			277.287	276.526	0.761	3.500	277.182	-3.00	6.075	277.105	-3.00	6.943	276.526					
-6.753	277.581	-6.075	278.033	-3.00	-3.500	278.111	-3.00	896+0.000		PCV	278.216	277.483	0.733	3.500	278.111	-3.00	6.075	278.033	-3.00	6.782	277.562					
-7.036	278.265	-6.075	278.906	-3.00	-3.500	278.983	-3.00	897+0.000			279.088	278.131	0.957	3.500	278.983	-3.00	6.075	278.906	-3.00	6.884	278.366					
-7.347	278.817	-6.075	279.665	-3.00	-3.500	279.743	-3.00	898+0.000			279.848	278.589	1.259	3.500	279.743	-3.00	6.075	279.665	-3.00	7.058	279.010					
-7.608	279.290	-6.075	280.312	-3.00	-3.500	280.389	-3.00	899+0.000			280.494	279.100	1.395	3.500	280.389	-3.00	6.075	280.312	-3.00	7.304	279.493					

Responsável Técnico
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205199473

Responsável
Engenheiro Henrique Eufrazio Segura
Engenheiro Civil
CREA: 112148337-7

Volum 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara) - Entr. MT-417
Sub Trecho: KM 664,67 - KM 689,27
Extensão Total: 24,445 km



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Nota de Serviço de Terraplenagem da MT-338																												
Lado Esquerdo									Eixo											Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset							
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)		
-7.642	279.801	-6.075	280.846	-3.00	-3.500	280.923	-3.00	900+0.000			281.028	279.644	1.384	3.500	280.923	-3.00	6.075	280.846	-3.00	7.514	279.886							
-7.328	280.432	-6.075	281.267	-3.00	-3.500	281.345	-3.00	901+0.000			281.450	280.328	1.121	3.500	281.345	-3.00	6.075	281.267	-3.00	7.433	280.362							
-6.583	281.237	-6.075	281.576	-3.00	-3.500	281.653	-3.00	902+0.000			281.758	281.193	0.565	3.500	281.653	-3.00	6.075	281.576	-3.00	6.423	281.344							
-6.102	281.799	-6.075	281.772	-3.00	-3.500	281.849	-3.00	903+0.000			281.954	281.801	0.153	3.500	281.849	-3.00	6.075	281.772	-3.00	6.104	281.800							
-6.115	281.828	-6.075	281.855	-3.00	-3.500	281.932	-3.00	904+0.000			282.037	281.802	0.235	3.500	281.932	-3.00	6.075	281.855	-3.00	6.218	281.998							
-6.519	281.528	-6.075	281.825	-3.00	-3.500	281.902	-3.00	905+0.000			282.007	281.602	0.405	3.500	281.902	-3.00	6.075	281.825	-3.00	6.709	281.402							
-6.556	281.361	-6.075	281.682	-3.00	-3.500	281.759	-3.00	906+0.000			281.864	281.333	0.532	3.500	281.759	-3.00	6.075	281.682	-3.00	6.797	281.201							
-6.773	280.962	-6.075	281.427	-3.00	-3.500	281.504	-3.00	907+0.000			281.609	281.016	0.593	3.500	281.504	-3.00	6.075	281.427	-3.00	6.444	281.181							
-6.768	280.597	-6.075	281.059	-3.00	-3.500	281.136	-3.00	908+0.000			281.241	280.801	0.441	3.500	281.136	-3.00	6.075	281.059	-3.00	6.442	280.814							
-6.591	280.234	-6.075	280.578	-3.00	-3.500	280.655	-3.00	909+0.000			280.760	280.416	0.344	3.500	280.655	-3.00	6.075	280.578	-3.00	6.297	280.800							
-6.075	279.984	-6.075	279.984	-3.00	-3.500	280.062	-3.00	910+0.000		PTV	280.167	280.207	-0.041	3.500	280.062	-3.00	6.075	279.984	-3.00	6.288	280.197							
-6.438	279.697	-6.075	279.334	-3.00	-3.500	279.412	-3.00	911+0.000			279.517	280.003	-0.486	3.500	279.412	-3.00	6.075	279.334	-3.00	6.632	279.891							
-6.875	279.485	-6.075	278.684	-3.00	-3.500	278.762	-3.00	912+0.000			278.867	279.804	-0.937	3.500	278.762	-3.00	6.075	278.684	-3.00	7.204	279.813							
-7.249	279.208	-6.075	278.034	-3.00	-3.500	278.112	-3.00	913+0.000			278.217	279.426	-1.210	3.500	278.112	-3.00	6.075	278.034	-3.00	7.998	279.657							
-7.845	279.155	-6.075	277.384	-3.00	-3.500	277.462	-3.00	914+0.000			277.567	279.093	-1.527	3.500	277.462	-3.00	6.075	277.384	-3.00	8.293	279.602							
-8.235	278.894	-6.075	276.734	-3.00	-3.500	276.812	-3.00	915+0.000			276.917	278.770	-1.854	3.500	276.812	-3.00	6.075	276.734	-3.00	8.613	279.272							
-8.633	278.643	-6.075	276.084	-3.00	-3.500	276.162	-3.00	916+0.000			276.267	278.400	-2.134	3.500	276.162	-3.00	6.075	276.084	-3.00	8.791	278.800							
-8.841	278.200	-6.075	275.434	-3.00	-3.500	275.512	-3.00	917+0.000			275.617	277.750	-2.133	3.500	275.512	-3.00	6.075	275.434	-3.00	8.849	278.208							
-8.489	277.199	-6.075	274.784	-3.00	-3.500	274.862	-3.00	918+0.000			274.967	277.201	-2.234	3.500	274.862	-3.00	6.075	274.784	-3.00	8.965	277.674							
-7.701	275.760	-6.075	274.134	-3.00	-3.500	274.212	-3.00	919+0.000			274.317	276.238	-1.921	3.500	274.212	-3.00	6.075	274.134	-3.00	9.031	277.090							
-6.250	273.659	-6.075	273.484	-3.00	-3.500	273.562	-3.00	920+0.000			273.667	274.065	-0.398	3.500	273.562	-3.00	6.075	273.484	-3.00	7.365	274.774							
-7.927	271.600	-6.075	272.834	-3.00	-3.500	272.912	-3.00	921+0.000		PCV	273.017	272.022	0.994	3.500	272.912	-3.00	6.075	272.834	-3.00	6.645	272.454							
-8.905	270.350	-6.075	272.237	-3.00	-3.500	272.314	-3.00	922+0.000			272.419	270.673	1.746	3.500	272.314	-3.00	6.075	272.237	-3.00	7.654	271.184							
-9.317	269.583	-6.075	271.745	-3.00	-3.500	271.822	-3.00	923+0.000			271.927	269.842	2.084	3.500	271.822	-3.00	6.075	271.745	-3.00	8.440	270.168							
-9.647	268.976	-6.075	271.358	-3.00	-3.500	271.435	-3.00	924+0.000			271.540	269.602	1.938	3.500	271.435	-3.00	6.075	271.358	-3.00	9.343	269.179							
-9.776	268.685	-6.075	271.152	-3.00	-3.500	271.229	-3.00	924+13.804	PC		271.334	269.503	1.831	3.500	271.229	-3.00	6.075	271.152	-3.00	11.485	267.545							
-9.935	268.516	-6.075	271.090	-3.00	-3.500	271.167	-3.00	924+18.804			271.272	269.402	1.870	3.500	271.167	-3.00	6.075	271.090	-3.00	11.327	267.588							
-10.048	268.427	-6.075	271.076	-3.00	-3.500	271.153	-3.00	925+0.000			271.258	269.401	1.857	3.500	271.153	-3.00	6.075	271.076	-3.00	10.926	267.842							
-10.068	268.372	-6.075	271.034	-3.00	-3.500	271.111	-3.00	925+3.804	PT		271.216	269.401	1.815	3.500	271.111	-3.00	6.075	271.034	-3.00	10.636	267.993							
-9.212	268.808	-6.075	270.899	-3.00	-3.500	270.976	-3.00	926+0.000			271.081	269.056	2.026	3.500	270.976	-3.00	6.075	270.899	-3.00	9.181	268.829							
-8.380	269.291	-6.075	270.828	-3.00	-3.500	270.905	-3.00	927+0.000			271.010	268.849	2.161	3.500	270.905	-3.00	6.075	270.828	-3.00	8.501	269.210							
-7.466	269.934	-6.075	270.861	-3.00	-3.500	270.939	-3.00	928+0.000			271.044	269.189	1.854	3.500	270.939	-3.00	6.075	270.861	-3.00	8.141	269.484							
-7.745	269.887	-6.075	271.000	-3.00	-3.500	271.077	-3.00	929+0.000			271.182	269.776	1.406	3.500	271.077	-3.00	6.075	271.000	-3.00	6.674	270.601							
-7.377	270.376	-6.075	271.244	-3.00	-3.500	271.321	-3.00	930+0.000			271.426	270.403	1.024	3.500	271.321	-3.00	6.075	271.244	-3.00	6.116	271.217							
-6.831	271.090	-6.075	271.593	-3.00	-3.500	271.671	-3.00	931+0.000		PTV	271.776	271.013	0.763	3.500	271.671	-3.00	6.075	271.593	-3.00	6.280	271.457							
-6.702	271.578	-6.075	271.995	-3.00	-3.500	272.073	-3.00	932+0.000			272.178	271.606	0.572	3.500	272.073	-3.00	6.075	271.995	-3.00	6.367	271.801							
-7.046	271.750	-6.075	272.397	-3.00	-3.500	272.474	-3.00	933+0.000			272.579	271.806	0.774	3.500	272.474	-3.00	6.075	272.397	-3.00	7.098	271.715							
-7.498	271.850	-6.075	272.799	-3.00	-3.500	272.876	-3.00	934+0.000			272.981	272.000	0.981	3.500	272.876	-3.00	6.075	272.799	-3.00	7.608	271.777							
-7.891	271.990	-6.075	273.201	-3.00	-3.500	273.278	-3.00	935+0.000			273.383	272.004	1.379	3.500	273.278	-3.00	6.075	273.201	-3.00	8.002	271.916							
-7.823	272.437	-6.075	273.603	-3.00	-3.500	273.680	-3.00	936+0.000			273.785	272.200	1.585	3.500	273.680	-3.00	6.075	273.603	-3.00	8.539	271.960							
-7.765	272.878	-6.075	274.005	-3.00	-3.500	274.082	-3.00	937+0.000			274.187	272.530	1.657	3.500	274.082	-3.00	6.075	274.005	-3.00	8.476	272.404							
-6.455	274.153	-6.075	274.407	-3.00	-3.500	274.484	-3.00	938+0.000			274.589	272.815	1.774	3.500	274.484	-3.00	6.075	274.407	-3.00	8.452	272.822							

Amândia Araujo
 Responsável Técnica
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 CREA-MT 1205190473

Fabrice Henrique Eufrazio Segura
 Responsável Técnica
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 CREA: 112148337-7

Volumo 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24.445 km



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Nota de Serviço de Terraplenagem da MT-338

Lado Esquerdo									Eixo					Lado Direito								
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.156	274.088	-6.075	274.808	-3.00	-3.500	274.886	-3.00	939+0.000		PCV	274.991	273.264	1.727	3.500	274.886	-3.00	6.075	274.808	-3.00	7.936	273.567	
-6.487	275.584	-6.075	275.172	-3.00	-3.500	275.249	-3.00	940+0.000			275.354	273.323	2.031	3.500	275.249	-3.00	6.075	275.172	-3.00	7.749	274.056	
-6.600	275.984	-6.075	275.459	-3.00	-3.500	275.536	-3.00	941+0.000			275.641	275.179	0.463	3.500	275.536	-3.00	6.075	275.459	-3.00	7.022	274.828	
-7.586	277.180	-6.075	275.670	-3.00	-3.500	275.747	-3.00	942+0.000			275.852	276.786	-0.934	3.500	275.747	-3.00	6.075	275.670	-3.00	6.132	275.632	
-8.271	277.999	-6.075	275.804	-3.00	-3.500	275.881	-3.00	943+0.000			275.986	277.151	-1.165	3.500	275.881	-3.00	6.075	275.804	-3.00	6.744	276.473	
-8.153	277.939	-6.075	275.861	-3.00	-3.500	275.939	-3.00	944+0.000			276.044	277.202	-1.158	3.500	275.939	-3.00	6.075	275.861	-3.00	7.213	277.000	
-8.253	278.020	-6.075	275.843	-3.00	-3.500	275.920	-3.00	945+0.000			276.025	277.202	-1.177	3.500	275.920	-3.00	6.075	275.843	-3.00	7.434	277.201	
-8.198	277.870	-6.075	275.747	-3.00	-3.500	275.824	-3.00	946+0.000			275.929	277.004	-1.075	3.500	275.824	-3.00	6.075	275.747	-3.00	7.324	276.996	
-7.718	277.218	-6.075	275.575	-3.00	-3.500	275.652	-3.00	947+0.000			275.757	276.645	-0.888	3.500	275.652	-3.00	6.075	275.575	-3.00	7.171	276.672	
-7.557	276.809	-6.075	275.327	-3.00	-3.500	275.404	-3.00	948+0.000			275.509	276.303	-0.794	3.500	275.404	-3.00	6.075	275.327	-3.00	7.080	276.332	
-7.970	276.897	-6.075	275.002	-3.00	-3.500	275.079	-3.00	949+0.000		PTV	275.184	275.730	-0.546	3.500	275.079	-3.00	6.075	275.002	-3.00	6.905	275.832	
-7.591	276.155	-6.075	274.639	-3.00	-3.500	274.716	-3.00	950+0.000			274.821	275.082	-0.261	3.500	274.716	-3.00	6.075	274.639	-3.00	6.621	275.185	
-7.266	275.457	-6.075	274.276	-3.00	-3.500	274.353	-3.00	951+0.000			274.458	274.407	0.051	3.500	274.353	-3.00	6.075	274.276	-3.00	6.278	274.479	
-7.157	274.995	-6.075	273.912	-3.00	-3.500	273.990	-3.00	952+0.000		PCV	274.095	273.838	0.256	3.500	273.990	-3.00	6.075	273.912	-3.00	6.209	273.823	
-6.759	274.234	-6.075	273.549	-3.00	-3.500	273.626	-3.00	953+0.000			273.731	272.942	0.790	3.500	273.626	-3.00	6.075	273.549	-3.00	6.906	272.995	
-6.257	273.409	-6.075	273.227	-3.00	-3.500	273.305	-3.00	954+0.000			273.410	272.213	1.196	3.500	273.305	-3.00	6.075	273.227	-3.00	7.499	272.278	
-6.409	272.844	-6.075	273.066	-3.00	-3.500	273.144	-3.00	954+12.667	PC		273.249	271.480	1.769	3.500	273.144	-3.00	6.075	273.066	-3.00	7.961	271.809	
-6.839	272.479	-6.075	272.988	-3.00	-3.500	273.066	-3.00	955+0.000			273.171	271.208	1.962	3.500	273.066	-3.00	6.075	272.988	-3.00	8.406	271.435	
-7.901	271.615	-6.075	272.832	-3.00	-3.500	272.909	-3.00	956+0.000			273.014	270.824	2.190	3.500	272.909	-3.00	6.075	272.832	-3.00	8.706	271.078	
-9.329	270.589	-6.075	272.758	-3.00	-3.500	272.836	-3.00	957+0.000			272.941	270.800	2.141	3.500	272.836	-3.00	6.075	272.758	-3.00	9.211	270.667	
-10.526	269.800	-6.075	272.768	-3.00	-3.500	272.845	-3.00	958+0.000			272.950	271.200	1.750	3.500	272.845	-3.00	6.075	272.768	-3.00	10.528	269.799	
-10.572	269.800	-6.075	272.798	-3.00	-3.500	272.875	-3.00	958+8.837			272.980	271.004	1.977	3.500	272.875	-3.00	6.075	272.798	-3.00	10.449	269.882	
-9.742	270.415	-6.075	272.860	-3.00	-3.500	272.937	-3.00	959+0.000			273.042	270.886	2.155	3.500	272.937	-3.00	6.075	272.860	-3.00	10.357	270.005	
-9.059	271.045	-6.075	273.034	-3.00	-3.500	273.112	-3.00	960+0.000			273.217	271.355	1.862	3.500	273.112	-3.00	6.075	273.034	-3.00	9.341	270.857	
-8.581	271.621	-6.075	273.292	-3.00	-3.500	273.369	-3.00	961+0.000			273.474	272.076	1.398	3.500	273.369	-3.00	6.075	273.292	-3.00	8.018	271.996	
-7.238	272.856	-6.075	273.632	-3.00	-3.500	273.709	-3.00	962+0.000			273.814	272.869	0.946	3.500	273.709	-3.00	6.075	273.632	-3.00	7.379	272.763	
-7.194	272.984	-6.075	273.730	-3.00	-3.500	273.807	-3.00	962+5.008	PT	PTV	273.912	273.075	0.837	3.500	273.807	-3.00	6.075	273.730	-3.00	7.149	273.014	
-7.058	273.400	-6.075	274.055	-3.00	-3.500	274.132	-3.00	963+0.000			274.237	273.607	0.630	3.500	274.132	-3.00	6.075	274.055	-3.00	7.017	273.427	
-6.973	273.920	-6.075	274.519	-3.00	-3.500	274.596	-3.00	964+0.000			274.701	274.203	0.498	3.500	274.596	-3.00	6.075	274.519	-3.00	6.242	274.686	
-6.858	274.461	-6.075	274.983	-3.00	-3.500	275.061	-3.00	965+0.000			275.166	275.001	0.164	3.500	275.001	-3.00	6.075	274.983	-3.00	6.216	274.889	
-6.547	275.133	-6.075	275.448	-3.00	-3.500	275.525	-3.00	966+0.000			275.630	275.056	0.574	3.500	275.525	-3.00	6.075	275.448	-3.00	6.659	276.031	
-6.337	275.737	-6.075	275.912	-3.00	-3.500	275.989	-3.00	967+0.000			276.094	275.560	0.534	3.500	275.989	-3.00	6.075	275.912	-3.00	6.413	276.250	
-6.252	276.258	-6.075	276.376	-3.00	-3.500	276.453	-3.00	968+0.000			276.558	275.812	0.746	3.500	276.453	-3.00	6.075	276.376	-3.00	6.251	276.552	
-6.642	276.462	-6.075	276.840	-3.00	-3.500	276.918	-3.00	969+0.000		PCV	277.023	276.005	1.018	3.500	276.918	-3.00	6.075	276.840	-3.00	6.136	276.800	
-7.119	276.562	-6.075	277.258	-3.00	-3.500	277.335	-3.00	970+0.000			277.440	276.297	1.143	3.500	277.335	-3.00	6.075	277.258	-3.00	6.604	276.905	
-7.302	276.764	-6.075	277.582	-3.00	-3.500	277.659	-3.00	971+0.000			277.764	276.602	1.162	3.500	277.659	-3.00	6.075	277.582	-3.00	6.789	277.106	
-7.385	276.938	-6.075	277.812	-3.00	-3.500	277.889	-3.00	972+0.000			277.994	276.960	1.034	3.500	277.889	-3.00	6.075	277.812	-3.00	6.986	277.204	
-7.448	277.033	-6.075	277.948	-3.00	-3.500	278.026	-3.00	973+0.000			278.131	277.198	0.932	3.500	278.026	-3.00	6.075	277.948	-3.00	6.898	277.400	
-6.962	277.400	-6.075	277.991	-3.00	-3.500	278.068	-3.00	974+0.000			278.173	277.398	0.775	3.500	278.068	-3.00	6.075	277.991	-3.00	7.282	277.186	
-6.967	277.346	-6.075	277.940	-3.00	-3.500	278.018	-3.00	975+0.000			278.123	277.329	0.794	3.500	278.018	-3.00	6.075	277.940	-3.00	7.206	277.120	
-7.273	276.998	-6.075	277.796	-3.00	-3.500	277.873	-3.00	976+0.000			277.978	277.001	0.977	3.500	277.873	-3.00	6.075	277.796	-3.00	7.407	276.908	
-7.531	276.588	-6.075	277.558	-3.00	-3.500	277.635	-3.00	977+0.000			277.740	276.757	0.984	3.500	277.635	-3.00	6.075	277.558	-3.00	7.645	276.511	

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Voluma 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km

[Assinatura]
 Responsável Técnico
 Engenheiro Everaldo Tadeu Bezerra de Castro
 Engenheiro Civil
 CREA-MT 12051994/3

[Assinatura]
 Responsável
 Engenheiro Civil
 CREA: 11214833/7





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.322	276.395	-6.075	277.226	-3.00	-3.500	277.304	-3.00	978+0.000			277.409	276.401	1.008	3.500	277.304	-3.00	6.075	277.226	-3.00	7.882	276.022	
-6.975	276.201	-6.075	276.801	-3.00	-3.500	276.878	-3.00	979+0.000			276.983	276.179	0.804	3.500	276.878	-3.00	6.075	276.801	-3.00	7.861	275.610	
-6.567	276.001	-6.075	276.329	-3.00	-3.500	276.406	-3.00	980+0.000		PCV	276.511	276.000	0.511	3.500	276.406	-3.00	6.075	276.329	-3.00	7.049	275.680	
-6.390	275.720	-6.075	275.930	-3.00	-3.500	276.007	-3.00	981+0.000			276.112	275.922	0.190	3.500	276.007	-3.00	6.075	275.930	-3.00	6.492	275.652	
-6.772	275.212	-6.075	275.676	-3.00	-3.500	275.753	-3.00	982+0.000			275.858	275.399	0.459	3.500	275.753	-3.00	6.075	275.676	-3.00	7.168	274.947	
-7.143	274.857	-6.075	275.568	-3.00	-3.500	275.646	-3.00	983+0.000			275.751	274.713	1.037	3.500	275.646	-3.00	6.075	275.568	-3.00	9.977	272.967	
-7.454	274.687	-6.075	275.606	-3.00	-3.500	275.684	-3.00	984+0.000			275.789	274.067	1.721	3.500	275.684	-3.00	6.075	275.606	-3.00	10.445	272.693	
-7.693	274.712	-6.075	275.790	-3.00	-3.500	275.867	-3.00	985+0.000			275.972	272.940	3.032	3.500	275.867	-3.00	6.075	275.790	-3.00	10.200	273.040	
-7.471	275.189	-6.075	276.119	-3.00	-3.500	276.197	-3.00	986+0.000			276.302	275.110	1.191	3.500	276.197	-3.00	6.075	276.119	-3.00	7.955	274.866	
-7.162	275.870	-6.075	276.595	-3.00	-3.500	276.672	-3.00	987+0.000			276.777	276.192	0.585	3.500	276.672	-3.00	6.075	276.595	-3.00	6.276	276.460	
-6.246	277.101	-6.075	277.215	-3.00	-3.500	277.293	-3.00	988+0.000			277.398	276.919	0.479	3.500	277.293	-3.00	6.075	277.215	-3.00	6.706	277.847	
-6.410	278.317	-6.075	277.982	-3.00	-3.500	278.059	-3.00	989+0.000			278.164	278.685	-0.521	3.500	278.059	-3.00	6.075	277.982	-3.00	7.510	279.417	
-6.465	279.285	-6.075	278.895	-3.00	-3.500	278.972	-3.00	990+0.000		PTV	279.077	280.554	-1.478	3.500	278.972	-3.00	6.075	278.895	-3.00	8.622	281.441	
-6.309	279.724	-6.075	279.880	-3.00	-3.500	279.957	-3.00	991+0.000			280.062	282.125	-2.063	3.500	279.957	-3.00	6.075	279.880	-3.00	9.583	283.388	
-6.587	281.377	-6.075	280.865	-3.00	-3.500	280.942	-3.00	992+0.000			281.047	283.668	-2.621	3.500	280.942	-3.00	6.075	280.865	-3.00	9.759	284.549	
-7.086	282.861	-6.075	281.850	-3.00	-3.500	281.928	-3.00	993+0.000			282.033	284.916	-2.884	3.500	281.928	-3.00	6.075	281.850	-3.00	9.195	284.970	
-7.236	283.997	-6.075	282.836	-3.00	-3.500	282.913	-3.00	994+0.000			283.018	285.400	-2.383	3.500	282.913	-3.00	6.075	282.836	-3.00	8.755	285.515	
-7.052	284.798	-6.075	283.821	-3.00	-3.500	283.898	-3.00	995+0.000			284.003	285.814	-1.811	3.500	283.898	-3.00	6.075	283.821	-3.00	8.552	286.298	
-6.697	285.428	-6.075	284.806	-3.00	-3.500	284.883	-3.00	996+0.000			284.988	286.640	-1.652	3.500	284.883	-3.00	6.075	284.806	-3.00	8.347	287.079	
-6.281	285.998	-6.075	285.791	-3.00	-3.500	285.869	-3.00	997+0.000		PCV	285.974	287.283	-1.309	3.500	285.869	-3.00	6.075	285.791	-3.00	8.275	287.992	
-6.343	286.395	-6.075	286.574	-3.00	-3.500	286.651	-3.00	997+15.865	PC		286.756	288.274	-1.519	3.500	286.651	-3.00	6.075	286.574	-3.00	8.021	288.520	
-6.648	286.397	-6.075	286.778	-3.00	-3.500	286.856	-3.00	998+0.000			286.961	288.496	-1.535	3.500	286.856	-3.00	6.075	286.778	-3.00	7.860	288.563	
-6.349	287.586	-6.075	287.769	-3.00	-3.500	287.846	-3.00	999+0.000			287.951	289.272	-1.321	3.500	287.846	-3.00	6.075	287.769	-3.00	7.852	289.546	
-6.314	288.604	-6.075	288.763	-3.00	-3.500	288.840	-3.00	1000+0.000			288.945	289.850	-0.905	3.500	288.840	-3.00	6.075	288.763	-3.00	7.789	290.477	
-6.809	289.271	-6.075	289.760	-3.00	-3.500	289.838	-3.00	1001+0.000			289.943	289.396	0.547	3.500	289.838	-3.00	6.075	289.760	-3.00	7.435	291.120	
-8.094	289.358	-6.075	290.704	-3.00	-3.500	290.781	-3.00	1001+18.861			290.886	289.923	0.963	3.500	290.781	-3.00	6.075	290.704	-3.00	6.129	290.668	
-8.501	289.144	-6.075	290.761	-3.00	-3.500	290.838	-3.00	1002+0.000			290.943	290.000	0.944	3.500	290.838	-3.00	6.075	290.761	-3.00	6.137	290.720	
-7.812	290.608	-6.075	291.766	-3.00	-3.500	291.843	-3.00	1003+0.000			291.948	290.524	1.424	3.500	291.843	-3.00	6.075	291.766	-3.00	6.251	291.648	
-6.918	292.211	-6.075	292.773	-3.00	-3.500	292.851	-3.00	1004+0.000			292.956	291.529	1.426	3.500	292.851	-3.00	6.075	292.773	-3.00	7.504	294.202	
-6.167	293.877	-6.075	293.785	-3.00	-3.500	293.862	-3.00	1005+0.000			293.967	293.312	0.655	3.500	293.862	-3.00	6.075	293.785	-3.00	8.089	295.799	
-6.950	295.675	-6.075	294.799	-3.00	-3.500	294.877	-3.00	1006+0.000			294.982	295.283	-0.301	3.500	294.877	-3.00	6.075	294.799	-3.00	8.291	297.015	
-7.033	295.852	-6.075	294.894	-3.00	-3.500	294.971	-3.00	1006+1.857	PT		295.076	295.358	-0.282	3.500	294.971	-3.00	6.075	294.894	-3.00	8.308	297.127	
-7.636	297.378	-6.075	295.818	-3.00	-3.500	295.895	-3.00	1007+0.000		PTV	296.000	296.856	-0.856	3.500	295.895	-3.00	6.075	295.818	-3.00	8.444	298.187	
-7.949	298.711	-6.075	296.838	-3.00	-3.500	296.915	-3.00	1008+0.000			297.020	298.254	-1.234	3.500	296.915	-3.00	6.075	296.838	-3.00	8.688	299.450	
-8.124	299.907	-6.075	297.858	-3.00	-3.500	297.935	-3.00	1009+0.000			298.040	299.771	-1.731	3.500	297.935	-3.00	6.075	297.858	-3.00	8.592	300.375	
-8.559	301.362	-6.075	298.878	-3.00	-3.500	298.955	-3.00	1010+0.000			299.060	300.672	-1.612	3.500	298.955	-3.00	6.075	298.878	-3.00	8.910	301.713	
-9.346	303.169	-6.075	299.898	-3.00	-3.500	299.975	-3.00	1011+0.000			300.080	302.982	-2.902	3.500	299.975	-3.00	6.075	299.898	-3.00	10.393	304.215	
-10.046	304.889	-6.075	300.918	-3.00	-3.500	300.995	-3.00	1012+0.000			301.100	304.334	-3.234	3.500	300.995	-3.00	6.075	300.918	-3.00	10.889	305.731	
-10.777	306.639	-6.075	301.938	-3.00	-3.500	302.015	-3.00	1013+0.000			302.120	305.928	-3.808	3.500	302.015	-3.00	6.075	301.938	-3.00	11.335	307.198	
-11.209	308.092	-6.075	302.958	-3.00	-3.500	303.035	-3.00	1014+0.000			303.140	308.176	-5.036	3.500	303.035	-3.00	6.075	302.958	-3.00	12.717	309.599	
-11.515	309.418	-6.075	303.978	-3.00	-3.500	304.055	-3.00	1015+0.000			304.160	309.930	-5.770	3.500	304.055	-3.00	6.075	303.978	-3.00	12.421	310.324	
-11.104	310.027	-6.075	304.998	-3.00	-3.500	305.075	-3.00	1016+0.000			305.180	311.000	-5.820	3.500	305.075	-3.00	6.075	304.998	-3.00	12.485	311.407	

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 CREA: 112148337-7

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Nota de Serviço de Terraplenagem da MT-338																										
Lado Esquerdo									Eixo									Lado Direito								
Offset			Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	
-10.665	310.608	-6.075	306.018	-3.00	-3.500	306.095	-3.00	1017+0.000			306.200	311.996	-5.796	3.500	306.095	-3.00	6.075	306.018	-3.00	12.663	312.606					
-10.447	311.410	-6.075	307.038	-3.00	-3.500	307.115	-3.00	1018+0.000			307.220	312.892	-5.672	3.500	307.115	-3.00	6.075	307.038	-3.00	12.689	313.651					
-10.268	312.251	-6.075	308.058	-3.00	-3.500	308.135	-3.00	1019+0.000			308.240	314.200	-5.960	3.500	308.135	-3.00	6.075	308.058	-3.00	12.447	314.430					
-9.804	312.807	-6.075	309.078	-3.00	-3.500	309.155	-3.00	1020+0.000			309.260	313.930	-4.670	3.500	309.155	-3.00	6.075	309.078	-3.00	11.954	314.966					
-9.266	313.288	-6.075	310.098	-3.00	-3.500	310.175	-3.00	1021+0.000			310.280	315.010	-4.730	3.500	310.175	-3.00	6.075	310.098	-3.00	11.579	315.602					
-8.792	313.835	-6.075	311.118	-3.00	-3.500	311.195	-3.00	1022+0.000			311.300	315.601	-4.301	3.500	311.195	-3.00	6.075	311.118	-3.00	11.054	316.097					
-8.209	314.272	-6.075	312.138	-3.00	-3.500	312.215	-3.00	1023+0.000			312.320	316.191	-3.871	3.500	312.215	-3.00	6.075	312.138	-3.00	10.490	316.553					
-7.586	314.669	-6.075	313.158	-3.00	-3.500	313.235	-3.00	1024+0.000		PCV	313.340	316.317	-2.977	3.500	313.235	-3.00	6.075	313.158	-3.00	10.053	317.135					
-7.136	315.198	-6.075	314.137	-3.00	-3.500	314.214	-3.00	1025+0.000			314.319	316.565	-2.246	3.500	314.214	-3.00	6.075	314.137	-3.00	9.553	317.615					
-6.775	315.733	-6.075	315.033	-3.00	-3.500	315.110	-3.00	1026+0.000			315.215	316.551	-1.336	3.500	315.110	-3.00	6.075	315.033	-3.00	9.172	318.130					
-6.265	316.038	-6.075	315.847	-3.00	-3.500	315.925	-3.00	1027+0.000			316.030	316.822	-0.792	3.500	315.925	-3.00	6.075	315.847	-3.00	8.875	318.647					
-6.204	316.708	-6.075	316.579	-3.00	-3.500	316.657	-3.00	1028+0.000			316.762	317.293	-0.532	3.500	316.657	-3.00	6.075	316.579	-3.00	8.537	319.041					
-6.123	317.197	-6.075	317.229	-3.00	-3.500	317.306	-3.00	1029+0.000			317.411	317.713	-0.302	3.500	317.306	-3.00	6.075	317.229	-3.00	8.245	319.399					
-6.131	317.759	-6.075	317.796	-3.00	-3.500	317.874	-3.00	1030+0.000			317.979	318.020	-0.041	3.500	317.874	-3.00	6.075	317.796	-3.00	7.900	319.621					
-6.164	318.370	-6.075	318.281	-3.00	-3.500	318.359	-3.00	1031+0.000			318.464	318.392	0.072	3.500	318.359	-3.00	6.075	318.281	-3.00	7.848	320.054					
-6.569	319.178	-6.075	318.684	-3.00	-3.500	318.761	-3.00	1032+0.000			318.866	318.800	0.066	3.500	318.761	-3.00	6.075	318.684	-3.00	7.487	320.096					
-6.606	319.536	-6.075	319.004	-3.00	-3.500	319.082	-3.00	1033+0.000			319.187	319.199	-0.012	3.500	319.082	-3.00	6.075	319.004	-3.00	7.305	320.235					
-6.631	319.799	-6.075	319.243	-3.00	-3.500	319.320	-3.00	1034+0.000			319.425	319.600	-0.175	3.500	319.320	-3.00	6.075	319.243	-3.00	6.983	320.151					
-6.395	319.719	-6.075	319.398	-3.00	-3.500	319.476	-3.00	1035+0.000			319.581	319.600	-0.019	3.500	319.476	-3.00	6.075	319.398	-3.00	6.478	319.801					
-6.192	319.588	-6.075	319.472	-3.00	-3.500	319.549	-3.00	1036+0.000			319.654	319.383	0.271	3.500	319.549	-3.00	6.075	319.472	-3.00	6.692	320.088					
-6.229	319.360	-6.075	319.463	-3.00	-3.500	319.540	-3.00	1037+0.000			319.645	318.989	0.657	3.500	319.540	-3.00	6.075	319.463	-3.00	6.395	319.783					
-6.210	319.311	-6.075	319.401	-3.00	-3.500	319.478	-3.00	1037+15.302			319.583	318.600	0.983	3.500	319.478	-3.00	6.075	319.401	-3.00	6.152	319.477					
-6.210	319.322	-6.075	319.411	-2.35	-3.500	319.472	-2.35	1038+0.000			319.554	318.593	0.961	3.500	319.449	-3.00	6.075	319.372	-3.00	6.206	319.285					
-6.245	319.305	-6.075	319.419	-1.53	-3.500	319.458	-1.53	1038+5.920	TS		319.511	318.407	1.105	3.500	319.406	-3.00	6.075	319.329	-3.00	6.351	319.145					
-6.385	319.206	-6.075	319.413	0.00	-3.500	319.413	0.00	1038+16.920			319.413	318.237	1.176	3.500	319.308	-3.00	6.075	319.231	-3.00	6.697	318.816					
-6.388	319.207	-6.087	319.407	0.43	-3.512	319.396	0.43	1039+0.000			319.381	318.197	1.184	3.513	319.275	-3.00	6.088	319.198	-3.00	6.900	318.657					
-6.940	318.813	-6.163	319.331	3.00	-3.588	319.254	3.00	1039+18.537			319.146	318.021	1.125	3.588	319.039	-3.00	6.163	318.962	-3.00	7.442	318.109					
-6.940	318.808	-6.168	319.323	3.20	-3.593	319.240	3.20	1040+0.000		PTV	319.125	317.955	1.170	3.596	319.010	-3.20	6.171	318.927	-3.20	7.458	318.069					
-7.159	318.595	-6.250	319.202	5.98	-3.675	319.048	5.98	1041+0.000			318.828	317.533	1.295	3.677	318.608	-5.98	6.252	318.454	-5.98	7.440	317.663					
-7.418	318.405	-6.275	319.167	6.80	-3.700	318.992	6.80	1041+5.920	SC		318.740	317.452	1.288	3.700	318.489	-6.80	6.275	318.314	-6.80	7.474	317.514					
-7.408	318.203	-6.275	318.958	6.80	-3.700	318.783	6.80	1042+0.000			318.531	317.173	1.358	3.700	318.280	-6.80	6.275	318.105	-6.80	7.391	317.360					
-7.729	317.692	-6.275	318.661	6.80	-3.700	318.486	6.80	1043+0.000			318.234	316.794	1.441	3.700	317.983	-6.80	6.275	317.808	-6.80	7.162	317.216					
-8.213	317.072	-6.275	318.364	6.80	-3.700	318.189	6.80	1044+0.000			317.937	316.423	1.515	3.700	317.686	-6.80	6.275	317.511	-6.80	6.441	317.400					
-8.887	316.326	-6.275	318.067	6.80	-3.700	317.892	6.80	1045+0.000			317.641	316.421	1.220	3.700	317.389	-6.80	6.275	317.214	-6.80	6.663	317.501					
-8.920	316.007	-6.275	317.770	6.80	-3.700	317.595	6.80	1046+0.000			317.344	316.867	0.477	3.700	317.092	-6.80	6.275	316.917	-6.80	6.525	317.167					
-8.872	315.742	-6.275	317.474	6.80	-3.700	317.298	6.80	1047+0.000			317.047	316.644	0.403	3.700	316.795	-6.80	6.275	316.620	-6.80	6.403	316.748					
-8.933	315.673	-6.275	317.445	6.80	-3.700	317.270	6.80	1047+1.891			317.019	316.620	0.399	3.700	316.767	-6.80	6.275	316.592	-6.80	6.374	316.692					
-8.750	315.527	-6.275	317.177	6.80	-3.700	317.002	6.80	1048+0.000			316.750	316.400	0.350	3.700	316.498	-6.80	6.275	316.323	-6.80	6.356	316.404					
-8.652	315.295	-6.275	316.880	6.80	-3.700	316.705	6.80	1049+0.000			316.453	316.034	0.419	3.700	316.201	-6.80	6.275	316.026	-6.80	6.344	316.095					
-8.495	315.103	-6.275	316.583	6.80	-3.700	316.408	6.80	1050+0.000			316.156	315.582	0.575	3.700	315.905	-6.80	6.275	315.730	-6.80	6.342	315.796					
-8.210	314.996	-6.275	316.286	6.80	-3.700	316.111	6.80	1051+0.000			315.859	314.808	1.052	3.700	315.608	-6.80	6.275	315.433	-6.80	6.442	315.600					
-8.336	314.615	-6.275	315.989	6.80	-3.700	315.814	6.80	1052+0.000			315.562	314.787	0.776	3.700	315.311	-6.80	6.275	315.136	-6.80	6.471	315.332					


 Responsável Técnico
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 Responsável Técnico
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 CREA: 121248337-7

Volum 3C - Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417
 Sub Trecho: KM 664,67 - KM 689,27
 Extensão Total: 24,445 km

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Nota de Serviço de Terraplenagem da MT-338																					
Lado Esquerdo			Eixo											Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-7.665	314.797	-6.275	315.724	6.80	-3.700	315.549	6.80	1052+17.863	CS		315.297	314.635	0.662	3.700	315.046	-6.80	6.275	314.871	-6.80	6.451	315.047
-7.576	314.799	-6.265	315.673	6.50	-3.690	315.506	6.50	1053+0.000			315.266	314.625	0.641	3.693	315.025	-6.50	6.268	314.858	-6.50	6.411	315.001
-6.469	315.009	-6.184	315.199	3.73	-3.609	315.103	3.73	1054+0.000			314.969	314.346	0.623	3.610	314.834	-3.73	6.185	314.738	-3.73	6.532	314.507
-6.632	314.763	-6.163	315.076	3.00	-3.588	314.998	3.00	1054+5.245			314.891	314.286	0.605	3.589	314.783	-3.00	6.164	314.706	-3.00	6.658	314.376
-6.285	314.913	-6.102	314.730	0.95	-3.527	314.705	0.95	1055+0.000		PCV	314.672	314.124	0.548	3.529	314.566	-3.00	6.104	314.489	-3.00	6.619	314.145
-6.285	314.810	-6.102	314.627	0.95	-3.527	314.602	0.95	1055+6.863			314.569	313.999	0.569	3.529	314.463	-3.00	6.104	314.386	-3.00	6.619	314.042
-6.253	314.186	-6.075	314.305	-1.53	-3.500	314.344	-1.53	1055+17.863	ST		314.398	313.802	0.596	3.500	314.293	-3.00	6.075	314.215	-3.00	6.496	313.935
-6.271	314.122	-6.075	314.253	-1.82	-3.500	314.300	-1.82	1056+0.000			314.364	313.801	0.562	3.500	314.259	-3.00	6.075	314.181	-3.00	6.513	313.889
-6.348	314.317	-6.075	314.044	-3.00	-3.500	314.121	-3.00	1056+8.481			314.226	313.794	0.433	3.500	314.121	-3.00	6.075	314.044	-3.00	6.489	313.768
-6.719	314.494	-6.075	313.851	-3.00	-3.500	313.928	-3.00	1057+0.000			314.033	313.602	0.431	3.500	313.928	-3.00	6.075	313.851	-3.00	6.464	313.592
-6.781	314.204	-6.075	313.498	-3.00	-3.500	313.575	-3.00	1058+0.000			313.680	313.216	0.464	3.500	313.575	-3.00	6.075	313.498	-3.00	6.527	313.196
-6.966	314.013	-6.075	313.122	-3.00	-3.500	313.199	-3.00	1059+0.000			313.304	312.978	0.326	3.500	313.199	-3.00	6.075	313.122	-3.00	6.317	312.961
-7.155	313.804	-6.075	312.724	-3.00	-3.500	312.801	-3.00	1060+0.000			312.906	312.640	0.267	3.500	312.801	-3.00	6.075	312.724	-3.00	6.265	312.597
-7.036	313.264	-6.075	312.303	-3.00	-3.500	312.381	-3.00	1061+0.000			312.486	312.173	0.313	3.500	312.381	-3.00	6.075	312.303	-3.00	6.283	312.165
-7.215	313.001	-6.075	311.860	-3.00	-3.500	311.938	-3.00	1062+0.000			312.043	311.755	0.287	3.500	311.938	-3.00	6.075	311.860	-3.00	6.256	312.042
-6.727	312.047	-6.075	311.395	-3.00	-3.500	311.472	-3.00	1063+0.000			311.577	311.403	0.174	3.500	311.472	-3.00	6.075	311.395	-3.00	6.941	312.261
-6.568	311.399	-6.075	310.907	-3.00	-3.500	310.984	-3.00	1064+0.000			311.089	311.068	0.021	3.500	310.984	-3.00	6.075	310.907	-3.00	6.448	311.280
-6.215	310.303	-6.075	310.396	-3.00	-3.500	310.474	-3.00	1065+0.000		PTV	310.579	310.627	-0.049	3.500	310.474	-3.00	6.075	310.396	-3.00	6.409	310.730
-6.197	309.793	-6.075	309.875	-3.00	-3.500	309.952	-3.00	1066+0.000			310.057	310.042	0.015	3.500	309.952	-3.00	6.075	309.875	-3.00	6.199	309.999
-6.306	309.584	-6.075	309.353	-3.00	-3.500	309.430	-3.00	1067+0.000			309.535	309.354	0.181	3.500	309.430	-3.00	6.075	309.353	-3.00	6.228	309.251
-6.210	308.966	-6.075	308.831	-3.00	-3.500	308.908	-3.00	1068+0.000			309.013	308.802	0.211	3.500	308.908	-3.00	6.075	308.831	-3.00	6.283	308.692
-6.075	308.309	-6.075	308.309	-3.00	-3.500	308.386	-3.00	1069+0.000			308.491	308.259	0.233	3.500	308.386	-3.00	6.075	308.309	-3.00	6.254	308.190
-6.943	307.208	-6.075	307.787	-3.00	-3.500	307.865	-3.00	1070+0.000			307.970	307.511	0.459	3.500	307.865	-3.00	6.075	307.787	-3.00	6.189	307.711
-6.724	307.914	-6.075	307.266	-3.00	-3.500	307.343	-3.00	1071+0.000		PCV	307.448	306.836	0.612	3.500	307.343	-3.00	6.075	307.266	-3.00	6.161	307.208
-6.873	306.195	-6.075	306.727	-3.00	-3.500	306.804	-3.00	1072+0.000			306.909	306.639	0.270	3.500	306.804	-3.00	6.075	306.727	-3.00	6.157	306.809
-6.538	306.616	-6.075	306.153	-3.00	-3.500	306.230	-3.00	1073+0.000			306.335	305.804	0.531	3.500	306.230	-3.00	6.075	306.153	-3.00	6.323	306.401
-6.475	305.278	-6.075	305.545	-3.00	-3.500	305.622	-3.00	1074+0.000			305.727	305.329	0.398	3.500	305.622	-3.00	6.075	305.545	-3.00	6.456	305.925
-6.269	304.772	-6.075	304.902	-3.00	-3.500	304.979	-3.00	1075+0.000			305.084	304.591	0.493	3.500	304.979	-3.00	6.075	304.902	-3.00	6.317	304.740
-6.950	305.099	-6.075	304.224	-3.00	-3.500	304.301	-3.00	1076+0.000			304.406	303.691	0.716	3.500	304.301	-3.00	6.075	304.224	-3.00	6.285	304.084
-6.859	304.296	-6.075	303.512	-3.00	-3.500	303.589	-3.00	1077+0.000			303.694	303.298	0.396	3.500	303.589	-3.00	6.075	303.512	-3.00	6.229	303.409
-6.871	303.561	-6.075	302.765	-3.00	-3.500	302.842	-3.00	1078+0.000			302.947	302.652	0.295	3.500	302.842	-3.00	6.075	302.765	-3.00	6.188	302.689
-6.965	302.874	-6.075	301.984	-3.00	-3.500	302.061	-3.00	1079+0.000			302.166	301.904	0.262	3.500	302.061	-3.00	6.075	301.984	-3.00	6.095	302.003
-7.340	302.433	-6.075	301.168	-3.00	-3.500	301.245	-3.00	1080+0.000			301.350	300.800	0.550	3.500	301.245	-3.00	6.075	301.168	-3.00	6.304	301.397
-6.982	301.224	-6.075	300.317	-3.00	-3.500	300.394	-3.00	1081+0.000		PTV	300.499	300.757	-0.258	3.500	300.394	-3.00	6.075	300.317	-3.00	6.646	300.889
-7.211	300.585	-6.075	299.449	-3.00	-3.500	299.526	-3.00	1082+0.000			299.631	300.230	-0.599	3.500	299.526	-3.00	6.075	299.449	-3.00	6.826	300.200
-7.555	300.061	-6.075	298.581	-3.00	-3.500	298.658	-3.00	1083+0.000			298.763	299.455	-0.692	3.500	298.658	-3.00	6.075	298.581	-3.00	6.454	298.961
-7.967	299.606	-6.075	297.713	-3.00	-3.500	297.790	-3.00	1084+0.000			297.895	299.023	-1.128	3.500	297.790	-3.00	6.075	297.713	-3.00	6.839	298.477
-8.112	298.882	-6.075	296.845	-3.00	-3.500	296.922	-3.00	1085+0.000			297.027	297.992	-0.965	3.500	296.922	-3.00	6.075	296.845	-3.00	6.537	297.308
-8.250	298.153	-6.075	295.977	-3.00	-3.500	296.055	-3.00	1086+0.000			296.160	297.360	-1.200	3.500	296.055	-3.00	6.075	295.977	-3.00	6.799	296.702
-8.269	297.303	-6.075	295.109	-3.00	-3.500	295.187	-3.00	1087+0.000			295.292	296.013	-0.721	3.500	295.187	-3.00	6.075	295.109	-3.00	6.960	295.995
-7.035	293.602	-6.075	294.241	-3.00	-3.500	294.319	-3.00	1088+0.000			294.424	294.181	0.242	3.500	294.319	-3.00	6.075	294.241	-3.00	6.538	293.932
-8.570	291.710	-6.075	293.373	-3.00	-3.500	293.451	-3.00	1089+0.000		PCV	293.556	292.209	1.347	3.500	293.451	-3.00	6.075	293.373	-3.00	9.381	291.169

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 Responsável Técnico
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 CREA-MT 1205190473


 Responsável Técnico
 Engenheiro Civil
 CREA 121248337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km





Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-11.165	289.144	-6.075	292.537	-3.00	-3.500	292.614	-3.00	1090+0.000			292.719	290.689	2.030	3.500	292.614	-3.00	6.075	292.537	-3.00	10.289	289.728	
-9.550	289.446	-6.075	291.763	-3.00	-3.500	291.840	-3.00	1091+0.000			291.945	289.568	2.377	3.500	291.840	-3.00	6.075	291.763	-3.00	10.666	288.702	
-12.489	286.775	-6.075	291.051	-3.00	-3.500	291.128	-3.00	1092+0.000			291.233	288.649	2.584	3.500	291.128	-3.00	6.075	291.051	-3.00	10.155	288.331	
-11.592	286.724	-6.075	290.402	-3.00	-3.500	290.479	-3.00	1093+0.000			290.584	287.957	2.627	3.500	290.479	-3.00	6.075	290.402	-3.00	10.641	287.358	
-11.708	286.060	-6.075	289.815	-3.00	-3.500	289.892	-3.00	1094+0.000			289.997	287.414	2.583	3.500	289.892	-3.00	6.075	289.815	-3.00	11.117	286.454	
-9.875	286.757	-6.075	289.291	-3.00	-3.500	289.368	-3.00	1095+0.000			289.473	287.270	2.204	3.500	289.368	-3.00	6.075	289.291	-3.00	8.381	287.754	
-8.748	287.047	-6.075	288.829	-3.00	-3.500	288.907	-3.00	1096+0.000			289.012	287.687	1.324	3.500	288.907	-3.00	6.075	288.829	-3.00	7.209	288.073	
-8.249	286.981	-6.075	288.430	-3.00	-3.500	288.508	-3.00	1097+0.000			288.613	287.975	0.638	3.500	288.508	-3.00	6.075	288.430	-3.00	6.286	288.289	
-6.899	287.544	-6.075	288.094	-3.00	-3.500	288.171	-3.00	1098+0.000			288.276	287.821	0.455	3.500	288.171	-3.00	6.075	288.094	-3.00	6.111	288.070	
-6.255	288.000	-6.075	287.820	-3.00	-3.500	287.897	-3.00	1099+0.000		PTV	288.002	287.888	0.114	3.500	287.897	-3.00	6.075	287.820	-3.00	6.650	288.394	
-6.498	288.000	-6.075	287.577	-3.00	-3.500	287.654	-3.00	1100+0.000			287.759	288.004	-0.245	3.500	287.654	-3.00	6.075	287.577	-3.00	6.791	288.292	
-6.492	287.751	-6.075	287.334	-3.00	-3.500	287.411	-3.00	1101+0.000			287.516	287.801	-0.285	3.500	287.411	-3.00	6.075	287.334	-3.00	7.186	288.445	
-6.606	287.622	-6.075	287.091	-3.00	-3.500	287.168	-3.00	1102+0.000			287.273	287.659	-0.386	3.500	287.168	-3.00	6.075	287.091	-3.00	7.117	288.133	
-6.784	287.558	-6.075	286.848	-3.00	-3.500	286.926	-3.00	1103+0.000			287.031	287.697	-0.666	3.500	286.926	-3.00	6.075	286.848	-3.00	7.200	287.973	
-6.844	287.375	-6.075	286.605	-3.00	-3.500	286.683	-3.00	1104+0.000			286.788	287.403	-0.615	3.500	286.683	-3.00	6.075	286.605	-3.00	7.277	287.808	
-7.046	287.333	-6.075	286.363	-3.00	-3.500	286.440	-3.00	1105+0.000			286.545	286.976	-0.432	3.500	286.440	-3.00	6.075	286.363	-3.00	6.940	287.227	
-6.562	286.607	-6.075	286.120	-3.00	-3.500	286.197	-3.00	1106+0.000			286.302	286.436	-0.134	3.500	286.197	-3.00	6.075	286.120	-3.00	6.903	286.947	
-6.532	286.334	-6.075	285.877	-3.00	-3.500	285.954	-3.00	1107+0.000			286.059	286.173	-0.114	3.500	285.954	-3.00	6.075	285.877	-3.00	6.779	286.581	
-6.441	286.000	-6.075	285.634	-3.00	-3.500	285.711	-3.00	1108+0.000			285.816	285.599	0.217	3.500	285.711	-3.00	6.075	285.634	-3.00	6.205	285.764	
-6.096	285.408	-6.075	285.422	-3.00	-3.500	285.499	-3.00	1108+17.459	PC		285.604	285.067	0.537	3.500	285.499	-3.00	6.075	285.422	-3.00	6.304	285.269	
-6.126	285.358	-6.075	285.391	-3.00	-3.500	285.469	-3.00	1109+0.000			285.574	285.003	0.571	3.500	285.469	-3.00	6.075	285.391	-3.00	6.365	285.198	
-6.658	284.760	-6.075	285.149	-3.00	-3.500	285.226	-3.00	1110+0.000			285.331	284.603	0.727	3.500	285.226	-3.00	6.075	285.149	-3.00	6.346	284.968	
-7.125	284.205	-6.075	284.906	-3.00	-3.500	284.983	-3.00	1111+0.000			285.088	284.137	0.951	3.500	284.983	-3.00	6.075	284.906	-3.00	6.459	284.650	
-7.434	283.757	-6.075	284.663	-3.00	-3.500	284.740	-3.00	1112+0.000			284.845	283.633	1.212	3.500	284.740	-3.00	6.075	284.663	-3.00	6.576	284.329	
-7.305	283.600	-6.075	284.420	-3.00	-3.500	284.497	-3.00	1113+0.000			284.602	283.144	1.458	3.500	284.497	-3.00	6.075	284.420	-3.00	7.491	283.476	
-7.682	283.106	-6.075	284.177	-3.00	-3.500	284.254	-3.00	1114+0.000			284.359	282.598	1.761	3.500	284.254	-3.00	6.075	284.177	-3.00	7.249	283.395	
-8.062	282.610	-6.075	283.934	-3.00	-3.500	284.012	-3.00	1115+0.000			284.117	282.392	1.724	3.500	284.012	-3.00	6.075	283.934	-3.00	7.434	283.028	
-8.472	282.198	-6.075	283.796	-3.00	-3.500	283.873	-3.00	1115+11.421			283.978	282.195	1.783	3.500	283.873	-3.00	6.075	283.796	-3.00	7.397	282.915	
-8.521	282.061	-6.075	283.692	-3.00	-3.500	283.769	-3.00	1116+0.000			283.874	282.009	1.865	3.500	283.769	-3.00	6.075	283.692	-3.00	7.212	282.933	
-8.670	281.719	-6.075	283.449	-3.00	-3.500	283.526	-3.00	1117+0.000			283.631	281.805	1.826	3.500	283.526	-3.00	6.075	283.449	-3.00	8.319	281.953	
-8.669	281.476	-6.075	283.206	-3.00	-3.500	283.283	-3.00	1118+0.000		PCV	283.388	281.529	1.859	3.500	283.283	-3.00	6.075	283.206	-3.00	8.709	281.450	
-9.611	280.664	-6.075	283.022	-3.00	-3.500	283.099	-3.00	1119+0.000			283.204	281.202	2.002	3.500	283.099	-3.00	6.075	283.022	-3.00	8.809	281.199	
-10.415	280.061	-6.075	282.955	-3.00	-3.500	283.032	-3.00	1120+0.000			283.137	281.424	1.713	3.500	283.032	-3.00	6.075	282.955	-3.00	9.347	280.773	
-10.460	280.082	-6.075	283.005	-3.00	-3.500	283.082	-3.00	1121+0.000			283.187	282.198	0.989	3.500	283.082	-3.00	6.075	283.005	-3.00	11.208	279.583	
-10.552	280.188	-6.075	283.172	-3.00	-3.500	283.249	-3.00	1122+0.000			283.354	282.225	1.129	3.500	283.249	-3.00	6.075	283.172	-3.00	10.099	280.489	
-10.321	280.407	-6.075	283.237	-3.00	-3.500	283.314	-3.00	1122+5.383	PT		283.419	281.916	1.504	3.500	283.314	-3.00	6.075	283.237	-3.00	10.122	280.539	
-9.928	280.888	-6.075	283.456	-3.00	-3.500	283.534	-3.00	1123+0.000			283.639	281.729	1.910	3.500	283.534	-3.00	6.075	283.456	-3.00	9.823	280.958	
-8.956	281.937	-6.075	283.858	-3.00	-3.500	283.935	-3.00	1124+0.000			284.040	281.781	2.259	3.500	283.935	-3.00	6.075	283.858	-3.00	9.853	281.339	
-8.071	283.046	-6.075	284.377	-3.00	-3.500	284.454	-3.00	1125+0.000			284.559	282.319	2.240	3.500	284.454	-3.00	6.075	284.377	-3.00	9.534	282.071	
-7.486	284.072	-6.075	285.013	-3.00	-3.500	285.090	-3.00	1126+0.000			285.195	283.319	1.876	3.500	285.090	-3.00	6.075	285.013	-3.00	10.636	281.972	
-7.026	285.132	-6.075	285.766	-3.00	-3.500	285.843	-3.00	1127+0.000			285.948	284.364	1.585	3.500	285.843	-3.00	6.075	285.766	-3.00	13.804	280.613	
-6.648	286.254	-6.075	286.636	-3.00	-3.500	286.714	-3.00	1128+0.000		PTV	286.819	285.523	1.295	3.500	286.714	-3.00	6.075	286.636	-3.00	8.044	285.324	

Engenheiro
Engenheiro Everaldo Tadeu Bezerra de Castro
Responsável Técnico
Engenheiro Civil
CREA: MT 1205190473

Engenheiro
Engenheiro Henrique Eufrazio Segura
Responsável Técnico
Engenheiro Civil
CREA: 121248337-7

Volum 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara)- Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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SINFRA P202604098A





Nota de Serviço de Terraplenagem da MT-338. Table with columns for Lado Esquerdo, Eixo, and Lado Direito, including Offsets, elevations, and slopes.

Responsável Técnico: Engenheiro Everaldo Tadeu Bezerra de Castro, CREA-MT 1205190473. Responsável Execução: Engenheiro Civil Fabiano Henrique Eufrazio Segura, CREA: 121248337-7.

VOLUME 3C - Nota de Serviço e Cálculo de Volume. Rodovia: MT-338. Trecho: Entr. MT-235 (Juara)- Entr. MT-417. Sub Trecho: KM 664,67 - KM 689,27. Extensão Total: 24,445 km.

HASH: 41 98a5b5c891a1a02089c1874b55aca14324a0426d3b1e675ac8af5a176c4. Documento assinado digitalmente, valide em https://aquisicoes.seplag.mt.gov.br/flow/bee-pub/#/validar/4V2L-967E-0U67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Junado em 15/01/2026. 16:57:36 por AMANDA ARAUJO.





Table titled 'Nota de Serviço de Terraplenagem da MT-338' with columns for Lado Esquerdo, Eixo (Estaca, Geometria Horizontal, Geometria Vertical, Cota Projeto, Cota Terreno, Cota Vermelha), Lado Direito, and Offsets. It contains detailed data for stationing and elevations.

Handwritten signatures and stamps for Engenheiro Everaldo Tadeu Bezerra de Castro (CREA-MT 1208199473) and Engenheiro Civil Fabrício Henrique Eufrazio Segura (CREA: 121248337-7).

VOLUME 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km

HASH: 41198a5b9b9891a1a02089cd874bb55aca14324a0426bd3b1e675ac8af5a176c4. Documento assinado digitalmente, valide em https://autenticacao.sesplag.mt.gov.br/flow/bep/pub/#/validar/4VZL-967E-0167-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Consultado em 15/01/2026. 16:57:36 por AMANDA ARAUJO.



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Nota de Serviço de Terraplenagem da MT-338																						
Lado Esquerdo									Eixo						Lado Direito							
Offset		Bordo da Plataforma			Bordo Pista de Rolamento				Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo Pista de Rolamento			Bordo da Plataforma			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)							Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.364	329.774	-6.075	329.967	-3.00	-3.500	330.044	-3.00	1213+0.000			330.149	329.184	0.965	3.500	330.044	-3.00	6.075	329.967	-3.00	6.921	329.403	
-6.682	330.027	-6.075	330.432	-3.00	-3.500	330.509	-3.00	1214+0.000			330.614	329.597	1.017	3.500	330.509	-3.00	6.075	330.432	-3.00	7.324	329.599	
-6.697	330.482	-6.075	330.897	-3.00	-3.500	330.974	-3.00	1215+0.000			331.079	329.800	1.279	3.500	330.974	-3.00	6.075	330.897	-3.00	7.716	329.803	
-7.024	330.729	-6.075	331.362	-3.00	-3.500	331.439	-3.00	1216+0.000			331.544	330.034	1.510	3.500	331.439	-3.00	6.075	331.362	-3.00	8.077	330.027	
-6.734	331.388	-6.075	331.827	-3.00	-3.500	331.904	-3.00	1217+0.000			332.009	330.576	1.433	3.500	331.904	-3.00	6.075	331.827	-3.00	8.053	330.508	
-7.120	331.595	-6.075	332.292	-3.00	-3.500	332.369	-3.00	1218+0.000			332.474	331.324	1.150	3.500	332.369	-3.00	6.075	332.292	-3.00	7.173	331.560	
-6.973	332.158	-6.075	332.757	-3.00	-3.500	332.834	-3.00	1219+0.000			332.939	331.802	1.137	3.500	332.834	-3.00	6.075	332.757	-3.00	7.417	331.862	
-7.015	332.595	-6.075	333.222	-3.00	-3.500	333.299	-3.00	1220+0.000			333.404	332.413	0.991	3.500	333.299	-3.00	6.075	333.222	-3.00	7.214	332.462	

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Engenheiro Everaldo Tadeu Bezerra de Castro
Responsável Técnica
Engenheiro Civil
CREA-MT 1205190473

Fabrice Henrique Eufrazio Segura
Comprova
Engenheiro Civil
CREA: 11248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Nota de Serviço de Terraplenagem - Ramo Norte											
Lado Esquerdo				Eixo				Bordo da Plataforma			
Offset		Bordo da Plataforma		Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo da Plataforma		Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)					Afast. (m)	Cota (m)	Afast. (m)	Cota (m)
-7,010	332,820	-6,150	333,393	0+0,00	333,393	333,000	0,393	6,150	333,393	7,136	332,736
-7,271	333,002	-6,323	333,631	0+15,20	333,654	333,233	0,421	6,150	333,652	6,773	333,240
-7,706	333,058	-6,738	333,691	1+0,00	333,737	333,124	0,613	6,151	333,737	6,816	333,293
-9,187	333,355	-8,464	333,820	1+10,20	333,912	334,064	-0,152	6,538	333,879	7,403	333,313
-12,050	333,612	-11,476	333,949	2+0,00	334,080	333,694	0,386	9,206	334,001	10,598	333,165
-14,585	333,693	-14,066	333,989	2+5,20	334,170	333,602	0,568	11,816	334,064	13,318	333,235
-17,981	333,799	-17,416	334,099	2+10,46	334,260	333,714	0,546	15,569	334,138	17,523	333,170

Nota de Serviço de Terraplenagem - Ramo Oeste											
Lado Esquerdo				Eixo				Bordo da Plataforma			
Offset		Bordo da Plataforma		Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo da Plataforma		Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)					Afast. (m)	Cota (m)	Afast. (m)	Cota (m)
-8,254	332,010	-6,150	333,413	0+0,00	333,413	332,288	1,125	6,150	333,413	7,966	332,202
-8,737	332,180	-6,500	332,676	0+15,20	333,681	332,287	1,394	6,150	333,681	8,044	332,418
-9,299	332,248	-7,040	333,730	1+0,00	333,765	332,370	1,395	6,151	333,767	8,118	332,461
-11,223	332,489	-9,037	333,883	1+10,20	333,945	332,563	1,382	6,952	333,930	8,992	332,613
-14,659	332,799	-12,564	334,038	2+0,00	334,118	332,803	1,315	10,301	334,032	12,303	332,858
-17,819	332,830	-15,455	334,122	2+5,20	334,210	332,878	1,332	13,387	334,091	15,447	333,003
-19,917	332,878	-17,408	334,173	2+8,04	334,260	332,912	1,348	15,575	334,133	17,765	333,051

Nota de Serviço de Terraplenagem - Ramo Sul											
Lado Esquerdo				Eixo				Bordo da Plataforma			
Offset		Bordo da Plataforma		Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo da Plataforma		Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)					Afast. (m)	Cota (m)	Afast. (m)	Cota (m)
-7,410	332,598	-6,150	333,439	0+0,00	333,439	332,413	1,026	6,150	333,439	7,549	332,506
-7,128	333,047	-6,150	333,696	0+15,00	333,696	332,936	0,760	6,150	333,696	7,354	332,893
-7,133	333,204	-6,235	333,786	1+0,00	333,781	333,083	0,698	6,151	333,781	7,122	333,144
-8,662	333,381	-7,768	333,954	1+9,70	333,947	333,570	0,377	6,866	333,943	7,392	333,601
-12,558	333,573	-11,721	334,060	2+0,00	334,124	333,601	0,523	10,347	334,057	10,918	333,731
-15,621	333,367	-14,273	334,107	2+4,40	334,199	333,554	0,645	12,890	334,106	13,470	333,799
-18,576	333,259	-16,836	334,147	2+8,04	334,260	333,573	0,687	15,575	334,151	15,870	334,065

Nota de Serviço de Terraplenagem - Rótula											
Lado Esquerdo				Eixo				Bordo da Plataforma			
Offset		Bordo da Plataforma		Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo da Plataforma		Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)					Afast. (m)	Cota (m)	Afast. (m)	Cota (m)
Ramo Norte											
-30,000	334,500	-6,000	334,500	1+0,00	334,380	333,196	1,184	6,572	334,243	8,509	333,010
Ramo Oeste											
-30,000	334,500	-6,000	334,500	0+0,00	334,380	333,027	1,353	6,000	334,260		
-30,000	334,500	-6,000	334,500	1+0,00	334,380	333,291	1,089	6,000	334,260	7,701	333,170
-30,000	334,500	-6,000	334,500	1+14,64	334,380	333,491	0,889	6,000	334,260	7,298	333,419
-30,000	334,500	-6,000	334,500	2+0,00	334,380	333,600	0,780	6,000	334,260	7,124	333,523
-30,000	334,500	-6,000	334,500	3+0,00	334,380	333,801	0,579	6,000	334,260		
Ramo Sul											
-30,000	334,500	-6,000	334,500	0+0,00	334,380	333,606	0,774	6,000	334,260		
-30,000	334,500	-6,000	334,500	1+0,00	334,380	334,390	-0,010	6,000	334,260	6,259	334,383
-30,000	334,500	-6,000	334,500	2+0,00	334,380	334,796	-0,416	6,000	334,260	6,517	334,825
-30,000	334,500	-6,000	334,500	2+18,45	334,380	334,808	-0,428	6,000	334,260	6,602	334,930
-30,000	334,500	-6,000	334,500	3+0,00	334,380	334,801	-0,421	6,000	334,260	6,578	334,894
-30,000	334,500	-6,000	334,500	4+0,00	334,380	334,549	-0,169	6,000	334,260	6,509	334,800
-30,000	334,500	-6,000	334,500	5+0,00	334,380	333,982	0,398	6,000	334,260		
-30,000	334,500	-6,000	334,500	5+16,89	334,380	333,715	0,665	6,000	334,260		

Engenheiro
Responsável
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Carregador
Responsável
Fabrício Henrique Esfrázio Segura
Engenheiro Civil
CREA: 121148537-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



HASH: 4198a5b3b9891a1a02089c874bb55ac14324a0426bcb1e675ac8af65a176c4. Documento assinado digitalmente, valide em https://aquilicoses.seplag.mt.gov.br/flowbee-pub/#/validar/AW2L-967E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA-PRO-2025/18731





Everaldo Tadeu Bezerra de Castro
Responsável Técnica
Engenheiro Civil
CREA-MT 1205190473

Fabrizio Henrique Esfrasio Segura
Coordenador
Engenheiro Civil
CREA: 1212482337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



HASH: 4198a6b3b9891a1a02089c0874bb555ca114324a0426bcb1e675ac8af5a17664. Documento assinado digitalmente, valide em <https://aquilicosos.seplag.mt.gov.br/flowbee-pub/#/validar/AW2L-9P7E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026. 16:57:36 por AMANDA ARAUJO.

3.3 – RELATÓRIO DE ALINHAMENTO HORIZONTAL POR ESTACA



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 16/01/2026 às 10:27:13.
Documento Nº: 33637864-6764 - consulta à autenticidade em <https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=33637864-6764>



SINFRACAP202604098A



Estaqueamento		
MT-338		
Estaca	Leste	Norte
0+0,000	444.341,662	8.759.133,531
1+0,000	444.340,344	8.759.153,488
2+0,000	444.339,027	8.759.173,444
3+0,000	444.337,709	8.759.193,401
4+0,000	444.336,392	8.759.213,357
5+0,000	444.335,074	8.759.233,314
6+0,000	444.333,757	8.759.253,270
7+0,000	444.332,440	8.759.273,227
8+0,000	444.331,122	8.759.293,184
9+0,000	444.329,805	8.759.313,140
10+0,000	444.328,487	8.759.333,097
11+0,000	444.327,170	8.759.353,053
12+0,000	444.325,852	8.759.373,010
13+0,000	444.324,535	8.759.392,966
14+0,000	444.323,217	8.759.412,923
15+0,000	444.321,900	8.759.432,879
16+0,000	444.320,583	8.759.452,836
17+0,000	444.319,273	8.759.472,793
18+0,000	444.318,045	8.759.492,755
19+0,000	444.316,915	8.759.512,723
20+0,000	444.315,884	8.759.532,697
21+0,000	444.314,952	8.759.552,675
22+0,000	444.314,119	8.759.572,658
23+0,000	444.313,384	8.759.592,644
24+0,000	444.312,749	8.759.612,634
24+7,131	444.309,573	8.759.619,604
25+0,000	444.312,212	8.759.632,627
26+0,000	444.311,774	8.759.652,622
27+0,000	444.311,435	8.759.672,619
28+0,000	444.311,195	8.759.692,618
29+0,000	444.311,054	8.759.712,617
30+0,000	444.311,011	8.759.732,617
31+0,000	444.311,068	8.759.752,617
32+0,000	444.311,223	8.759.772,616
33+0,000	444.311,438	8.759.792,615
34+0,000	444.311,654	8.759.812,614
35+0,000	444.311,870	8.759.832,613
36+0,000	444.312,085	8.759.852,612
37+0,000	444.312,287	8.759.872,611
38+0,000	444.312,401	8.759.892,610
39+0,000	444.312,416	8.759.912,610
40+0,000	444.312,332	8.759.932,610
41+0,000	444.312,149	8.759.952,609
42+0,000	444.311,867	8.759.972,607
43+0,000	444.311,487	8.759.992,604
44+0,000	444.311,007	8.760.012,598
45+0,000	444.310,429	8.760.032,589

Estaqueamento		
MT-338		
Estaca	Leste	Norte
46+0,000	444.309,752	8.760.052,578
47+0,000	444.308,976	8.760.072,563
47+13,989	444.314,608	8.760.086,587
48+0,000	444.308,101	8.760.092,544
49+0,000	444.307,127	8.760.112,520
50+0,000	444.306,055	8.760.132,491
51+0,000	444.304,884	8.760.152,457
52+0,000	444.303,614	8.760.172,416
53+0,000	444.302,245	8.760.192,370
54+0,000	444.300,778	8.760.212,316
55+0,000	444.299,212	8.760.232,254
56+0,000	444.297,548	8.760.252,185
57+0,000	444.295,785	8.760.272,107
58+0,000	444.293,923	8.760.292,020
59+0,000	444.291,964	8.760.311,924
60+0,000	444.289,964	8.760.331,824
61+0,000	444.287,964	8.760.351,723
62+0,000	444.285,964	8.760.371,623
63+0,000	444.283,965	8.760.391,523
64+0,000	444.281,965	8.760.411,423
65+0,000	444.279,965	8.760.431,323
66+0,000	444.277,966	8.760.451,222
67+0,000	444.275,966	8.760.471,122
68+0,000	444.273,966	8.760.491,022
69+0,000	444.271,966	8.760.510,922
70+0,000	444.269,967	8.760.530,821
71+0,000	444.267,967	8.760.550,721
72+0,000	444.265,967	8.760.570,621
73+0,000	444.263,968	8.760.590,521
74+0,000	444.261,968	8.760.610,420
75+0,000	444.259,968	8.760.630,320
76+0,000	444.257,968	8.760.650,220
77+0,000	444.255,969	8.760.670,120
78+0,000	444.253,969	8.760.690,020
79+0,000	444.251,969	8.760.709,919
80+0,000	444.249,970	8.760.729,819
81+0,000	444.247,970	8.760.749,719
82+0,000	444.245,970	8.760.769,619
83+0,000	444.243,970	8.760.789,518
84+0,000	444.241,971	8.760.809,418
85+0,000	444.239,971	8.760.829,318
86+0,000	444.237,971	8.760.849,218
87+0,000	444.235,972	8.760.869,118
88+0,000	444.233,972	8.760.889,017
89+0,000	444.231,972	8.760.908,917
90+0,000	444.229,972	8.760.928,817
91+0,000	444.227,973	8.760.948,717

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Engenheiro
Responsável Técnica
Engenheiro Especializado Tabela Brasileira de Castro
Engenheiro Civil
CREA-MT 1205190473

Engenheiro
Responsável
Fabricação/Impressão/Edição/Assinatura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
92+0,000	444.225,973	8.760.968,616
93+0,000	444.223,973	8.760.988,516
94+0,000	444.221,836	8.761.008,401
94+16,975	444.220,276	8.761.025,306
95+0,000	444.219,077	8.761.028,209
96+0,000	444.215,168	8.761.047,818
97+0,000	444.209,729	8.761.067,059
98+0,000	444.202,743	8.761.085,793
99+0,000	444.194,257	8.761.103,897
100+0,000	444.184,325	8.761.121,251
101+0,000	444.173,015	8.761.137,739
102+0,000	444.160,401	8.761.153,252
103+0,000	444.146,567	8.761.167,688
103+6,460	444.182,894	8.761.190,679
104+0,000	444.131,604	8.761.180,951
104+1,593	444.201,817	8.761.208,999
105+0,000	444.115,612	8.761.192,952
106+0,000	444.098,697	8.761.203,613
107+0,000	444.080,970	8.761.212,862
108+0,000	444.062,550	8.761.220,639
109+0,000	444.043,558	8.761.226,891
110+0,000	444.024,128	8.761.231,611
110+5,582	444.018,818	8.761.233,398
111+0,000	444.004,441	8.761.235,124
112+0,000	443.984,642	8.761.237,952
113+0,000	443.964,818	8.761.240,597
114+0,000	443.944,993	8.761.243,241
115+0,000	443.925,169	8.761.245,884
116+0,000	443.905,344	8.761.248,527
117+0,000	443.885,520	8.761.251,170
118+0,000	443.865,695	8.761.253,813
119+0,000	443.845,871	8.761.256,456
120+0,000	443.826,046	8.761.259,100
121+0,000	443.806,221	8.761.261,743
122+0,000	443.786,397	8.761.264,386
123+0,000	443.766,572	8.761.267,029
124+0,000	443.746,748	8.761.269,672
125+0,000	443.726,923	8.761.272,315
126+0,000	443.707,099	8.761.274,959
127+0,000	443.687,274	8.761.277,602
128+0,000	443.667,449	8.761.280,245
129+0,000	443.647,625	8.761.282,888
130+0,000	443.627,800	8.761.285,531
131+0,000	443.607,976	8.761.288,174
132+0,000	443.588,151	8.761.290,818
133+0,000	443.568,327	8.761.293,461
134+0,000	443.548,502	8.761.296,104

Estaqueamento		
MT-338		
Estaca	Leste	Norte
135+0,000	443.528,677	8.761.298,747
136+0,000	443.508,853	8.761.301,390
137+0,000	443.489,028	8.761.304,034
138+0,000	443.469,204	8.761.306,677
139+0,000	443.449,379	8.761.309,320
140+0,000	443.429,555	8.761.311,963
141+0,000	443.409,730	8.761.314,606
142+0,000	443.389,906	8.761.317,255
143+0,000	443.370,116	8.761.320,142
143+11,891	443.358,294	8.761.321,464
144+0,000	443.350,453	8.761.323,782
145+0,000	443.331,070	8.761.328,692
146+0,000	443.312,145	8.761.335,144
147+0,000	443.293,808	8.761.343,114
148+0,000	443.276,179	8.761.352,549
149+0,000	443.259,377	8.761.363,388
149+11,651	443.242,340	8.761.351,654
149+18,949	443.232,351	8.761.338,256
150+0,000	443.243,513	8.761.375,557
151+0,000	443.228,690	8.761.388,976
152+0,000	443.215,009	8.761.403,557
153+0,000	443.202,559	8.761.419,203
154+0,000	443.191,423	8.761.435,809
155+0,000	443.181,611	8.761.453,232
155+1,460	443.180,310	8.761.454,167
156+0,000	443.172,793	8.761.471,181
157+0,000	443.164,500	8.761.489,381
158+0,000	443.156,308	8.761.507,626
159+0,000	443.148,117	8.761.525,872
160+0,000	443.139,925	8.761.544,117
161+0,000	443.131,733	8.761.562,362
162+0,000	443.123,542	8.761.580,608
163+0,000	443.115,350	8.761.598,853
164+0,000	443.107,158	8.761.617,099
165+0,000	443.098,967	8.761.635,344
166+0,000	443.090,775	8.761.653,590
167+0,000	443.082,583	8.761.671,835
168+0,000	443.074,392	8.761.690,081
169+0,000	443.066,200	8.761.708,326
170+0,000	443.058,008	8.761.726,572
171+0,000	443.049,817	8.761.744,817
172+0,000	443.041,625	8.761.763,062
173+0,000	443.033,433	8.761.781,308
174+0,000	443.025,242	8.761.799,553
175+0,000	443.017,050	8.761.817,799
176+0,000	443.008,858	8.761.836,044
177+0,000	443.000,667	8.761.854,290

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[Assinatura]
Responsável Técnica
Engenheira Especialista Taisa Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

[Assinatura]
Responsável
Fabricante/Operador/Entregador Seguro
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
178+0,000	442.992,475	8.761.872,535
179+0,000	442.984,283	8.761.890,781
180+0,000	442.976,092	8.761.909,026
181+0,000	442.967,900	8.761.927,272
182+0,000	442.959,708	8.761.945,517
183+0,000	442.951,517	8.761.963,762
184+0,000	442.943,325	8.761.982,008
185+0,000	442.935,133	8.762.000,253
186+0,000	442.926,942	8.762.018,499
187+0,000	442.918,750	8.762.036,744
188+0,000	442.910,558	8.762.054,990
189+0,000	442.902,367	8.762.073,235
190+0,000	442.894,175	8.762.091,481
191+0,000	442.885,983	8.762.109,726
192+0,000	442.877,792	8.762.127,971
193+0,000	442.869,600	8.762.146,217
194+0,000	442.861,408	8.762.164,462
195+0,000	442.853,185	8.762.182,694
196+0,000	442.844,873	8.762.200,884
197+0,000	442.836,470	8.762.219,034
198+0,000	442.827,979	8.762.237,141
199+0,000	442.819,397	8.762.255,207
200+0,000	442.810,727	8.762.273,230
201+0,000	442.801,967	8.762.291,209
202+0,000	442.793,119	8.762.309,146
202+13,257	442.790,445	8.762.322,520
203+0,000	442.784,182	8.762.327,038
204+0,000	442.775,157	8.762.344,886
205+0,000	442.766,044	8.762.362,689
206+0,000	442.756,842	8.762.380,446
207+0,000	442.747,553	8.762.398,158
208+0,000	442.738,177	8.762.415,824
209+0,000	442.728,713	8.762.433,443
210+0,000	442.719,162	8.762.451,016
211+0,000	442.709,525	8.762.468,540
212+0,000	442.699,831	8.762.486,034
213+0,000	442.690,137	8.762.503,528
214+0,000	442.680,456	8.762.521,028
215+0,000	442.670,852	8.762.538,572
216+0,000	442.661,336	8.762.556,162
217+0,000	442.651,906	8.762.573,800
218+0,000	442.642,564	8.762.591,484
219+0,000	442.633,309	8.762.609,214
220+0,000	442.624,142	8.762.626,989
221+0,000	442.615,063	8.762.644,810
222+0,000	442.606,072	8.762.662,675
223+0,000	442.597,170	8.762.680,584

Estaqueamento		
MT-338		
Estaca	Leste	Norte
223+13,138	442.586,827	8.762.689,954
224+0,000	442.588,356	8.762.698,538
225+0,000	442.579,632	8.762.716,534
226+0,000	442.570,996	8.762.734,574
227+0,000	442.562,450	8.762.752,656
228+0,000	442.553,993	8.762.770,780
229+0,000	442.545,626	8.762.788,946
230+0,000	442.537,349	8.762.807,152
231+0,000	442.529,162	8.762.825,400
232+0,000	442.521,065	8.762.843,688
233+0,000	442.513,059	8.762.862,015
234+0,000	442.505,143	8.762.880,382
235+0,000	442.497,258	8.762.898,762
236+0,000	442.489,374	8.762.917,143
237+0,000	442.481,490	8.762.935,523
238+0,000	442.473,606	8.762.953,903
239+0,000	442.465,721	8.762.972,284
240+0,000	442.457,837	8.762.990,664
241+0,000	442.449,953	8.763.009,045
242+0,000	442.442,068	8.763.027,425
243+0,000	442.434,184	8.763.045,805
244+0,000	442.426,300	8.763.064,186
245+0,000	442.418,416	8.763.082,566
246+0,000	442.410,531	8.763.100,946
247+0,000	442.402,647	8.763.119,327
248+0,000	442.394,763	8.763.137,707
249+0,000	442.386,878	8.763.156,088
250+0,000	442.378,994	8.763.174,468
251+0,000	442.371,110	8.763.192,848
252+0,000	442.363,124	8.763.211,185
252+18,667	442.355,867	8.763.228,384
253+0,000	442.354,611	8.763.229,281
254+0,000	442.345,097	8.763.246,868
255+0,000	442.334,246	8.763.263,662
256+0,000	442.322,065	8.763.279,518
257+0,000	442.308,634	8.763.294,330
258+0,000	442.294,043	8.763.308,000
259+0,000	442.278,388	8.763.320,438
260+0,000	442.261,774	8.763.331,561
261+0,000	442.244,309	8.763.341,296
262+0,000	442.226,110	8.763.349,578
262+7,004	442.261,054	8.763.391,184
263+0,000	442.207,298	8.763.356,352
263+5,923	442.274,164	8.763.418,856
264+0,000	442.187,998	8.763.361,573
265+0,000	442.168,336	8.763.365,207
266+0,000	442.148,444	8.763.367,229

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Responsável Técnica
Engenheiro Especialista Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Responsável
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
267+0,000	442.128,454	8.763.367,626
268+0,000	442.108,497	8.763.366,396
269+0,000	442.088,706	8.763.363,549
269+13,847	442.075,020	8.763.361,436
270+0,000	442.069,167	8.763.359,294
271+0,000	442.049,842	8.763.354,146
272+0,000	442.030,617	8.763.348,633
273+0,000	442.011,400	8.763.343,092
274+0,000	441.992,182	8.763.337,552
275+0,000	441.972,965	8.763.332,011
276+0,000	441.953,748	8.763.326,470
277+0,000	441.934,531	8.763.320,929
278+0,000	441.915,314	8.763.315,388
279+0,000	441.896,097	8.763.309,847
280+0,000	441.876,880	8.763.304,306
281+0,000	441.857,663	8.763.298,765
282+0,000	441.838,445	8.763.293,224
283+0,000	441.819,228	8.763.287,683
284+0,000	441.800,011	8.763.282,142
285+0,000	441.780,794	8.763.276,601
286+0,000	441.761,577	8.763.271,060
286+17,831	441.744,444	8.763.266,120
287+0,000	441.742,139	8.763.266,340
288+0,000	441.722,492	8.763.262,620
289+0,000	441.702,616	8.763.260,447
289+17,501	441.685,464	8.763.256,689
289+19,227	441.685,451	8.763.249,111
290+0,000	441.682,629	8.763.259,899
291+0,000	441.662,664	8.763.260,978
292+0,000	441.642,853	8.763.263,677
292+16,549	441.626,516	8.763.266,323
293+0,000	441.623,293	8.763.267,838
294+0,000	441.603,962	8.763.272,963
295+0,000	441.584,750	8.763.278,521
296+0,000	441.565,552	8.763.284,127
297+0,000	441.546,354	8.763.289,734
298+0,000	441.527,156	8.763.295,341
299+0,000	441.507,958	8.763.300,948
300+0,000	441.488,760	8.763.306,555
301+0,000	441.469,562	8.763.312,162
302+0,000	441.450,364	8.763.317,769
303+0,000	441.431,166	8.763.323,375
304+0,000	441.411,968	8.763.328,982
305+0,000	441.392,770	8.763.334,589
306+0,000	441.373,572	8.763.340,196
307+0,000	441.354,374	8.763.345,803
308+0,000	441.335,176	8.763.351,410

Estaqueamento		
MT-338		
Estaca	Leste	Norte
309+0,000	441.315,978	8.763.357,017
310+0,000	441.296,780	8.763.362,624
311+0,000	441.277,582	8.763.368,230
312+0,000	441.258,384	8.763.373,837
313+0,000	441.239,186	8.763.379,444
314+0,000	441.220,021	8.763.385,162
314+18,351	441.202,373	8.763.390,196
315+0,000	441.201,034	8.763.391,440
316+0,000	441.182,434	8.763.398,781
317+0,000	441.164,464	8.763.407,547
318+0,000	441.147,267	8.763.417,747
318+17,207	441.129,883	8.763.421,385
319+0,000	441.130,956	8.763.429,311
319+0,271	441.123,739	8.763.413,161
320+0,000	441.115,640	8.763.442,164
321+0,000	441.101,420	8.763.456,221
322+0,000	441.088,390	8.763.471,386
322+13,940	441.079,419	8.763.482,057
323+0,000	441.076,476	8.763.487,447
324+0,000	441.065,314	8.763.504,041
325+0,000	441.054,468	8.763.520,845
326+0,000	441.043,648	8.763.537,665
327+0,000	441.032,827	8.763.554,485
328+0,000	441.022,007	8.763.571,306
329+0,000	441.011,187	8.763.588,126
330+0,000	441.000,367	8.763.604,946
331+0,000	440.989,547	8.763.621,767
332+0,000	440.978,726	8.763.638,587
333+0,000	440.967,906	8.763.655,407
334+0,000	440.957,086	8.763.672,228
335+0,000	440.946,266	8.763.689,048
336+0,000	440.935,446	8.763.705,868
337+0,000	440.924,625	8.763.722,689
338+0,000	440.913,805	8.763.739,509
339+0,000	440.902,985	8.763.756,329
340+0,000	440.892,165	8.763.773,149
341+0,000	440.881,345	8.763.789,970
342+0,000	440.870,524	8.763.806,790
343+0,000	440.859,704	8.763.823,610
344+0,000	440.848,884	8.763.840,431
345+0,000	440.838,064	8.763.857,251
346+0,000	440.827,244	8.763.874,071
347+0,000	440.816,423	8.763.890,892
348+0,000	440.805,603	8.763.907,712
349+0,000	440.794,783	8.763.924,532
350+0,000	440.783,963	8.763.941,353
351+0,000	440.773,143	8.763.958,173

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Responsável Técnico
Engenheiro Especialista Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Responsável
Engenheiro Especialista Edmarcio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
352+0,000	440.762,322	8.763.974,993
353+0,000	440.751,502	8.763.991,814
354+0,000	440.740,682	8.764.008,634
355+0,000	440.729,862	8.764.025,454
356+0,000	440.719,042	8.764.042,275
357+0,000	440.708,221	8.764.059,095
358+0,000	440.697,401	8.764.075,915
359+0,000	440.686,581	8.764.092,736
360+0,000	440.675,761	8.764.109,556
361+0,000	440.664,941	8.764.126,376
362+0,000	440.654,120	8.764.143,197
363+0,000	440.643,300	8.764.160,017
364+0,000	440.632,480	8.764.176,837
365+0,000	440.621,660	8.764.193,658
366+0,000	440.610,840	8.764.210,478
367+0,000	440.600,019	8.764.227,298
368+0,000	440.589,199	8.764.244,118
369+0,000	440.578,379	8.764.260,939
370+0,000	440.567,558	8.764.277,764
371+0,000	440.557,188	8.764.294,860
371+3,990	440.554,580	8.764.297,935
372+0,000	440.547,626	8.764.312,422
373+0,000	440.539,384	8.764.330,639
374+0,000	440.532,652	8.764.349,466
375+0,000	440.527,473	8.764.368,778
376+0,000	440.523,882	8.764.388,448
376+3,772	440.511,199	8.764.387,860
376+8,762	440.497,897	8.764.386,050
377+0,000	440.521,904	8.764.408,344
378+0,000	440.521,550	8.764.428,336
379+0,000	440.522,824	8.764.448,289
380+0,000	440.525,717	8.764.468,074
380+18,325	440.528,974	8.764.486,107
381+0,000	440.530,098	8.764.487,584
382+0,000	440.535,487	8.764.506,843
383+0,000	440.541,353	8.764.525,963
384+0,000	440.547,285	8.764.545,063
385+0,000	440.553,218	8.764.564,163
386+0,000	440.559,150	8.764.583,263
387+0,000	440.565,082	8.764.602,363
388+0,000	440.571,014	8.764.621,463
389+0,000	440.576,947	8.764.640,563
390+0,000	440.582,879	8.764.659,663
391+0,000	440.588,811	8.764.678,763
392+0,000	440.594,743	8.764.697,863
393+0,000	440.600,676	8.764.716,963
394+0,000	440.606,608	8.764.736,063

Estaqueamento		
MT-338		
Estaca	Leste	Norte
395+0,000	440.612,540	8.764.755,163
396+0,000	440.618,473	8.764.774,263
397+0,000	440.624,405	8.764.793,363
398+0,000	440.630,337	8.764.812,463
399+0,000	440.636,269	8.764.831,563
400+0,000	440.642,202	8.764.850,663
401+0,000	440.648,134	8.764.869,763
402+0,000	440.654,066	8.764.888,863
403+0,000	440.659,998	8.764.907,963
404+0,000	440.665,958	8.764.927,054
405+0,000	440.672,160	8.764.946,068
405+3,593	440.672,929	8.764.949,594
406+0,000	440.678,897	8.764.964,898
407+0,000	440.686,425	8.764.983,425
408+0,000	440.694,807	8.765.001,582
409+0,000	440.704,025	8.765.019,329
410+0,000	440.714,059	8.765.036,628
411+0,000	440.724,887	8.765.053,441
412+0,000	440.736,486	8.765.069,732
413+0,000	440.748,830	8.765.085,465
413+8,685	440.732,787	8.765.103,473
413+13,114	440.723,211	8.765.111,486
414+0,000	440.761,894	8.765.100,607
415+0,000	440.775,648	8.765.115,124
416+0,000	440.790,063	8.765.128,986
417+0,000	440.805,107	8.765.142,161
418+0,000	440.820,748	8.765.154,622
419+0,000	440.836,953	8.765.166,342
420+0,000	440.853,685	8.765.177,294
421+0,000	440.870,894	8.765.187,482
421+3,458	440.873,697	8.765.189,533
422+0,000	440.888,438	8.765.197,084
423+0,000	440.906,154	8.765.206,365
424+0,000	440.923,908	8.765.215,573
425+0,000	440.941,662	8.765.224,781
426+0,000	440.959,416	8.765.233,989
427+0,000	440.977,171	8.765.243,197
428+0,000	440.994,925	8.765.252,405
429+0,000	441.012,679	8.765.261,613
430+0,000	441.030,434	8.765.270,821
431+0,000	441.048,188	8.765.280,029
432+0,000	441.065,942	8.765.289,237
433+0,000	441.083,696	8.765.298,444
434+0,000	441.101,451	8.765.307,652
435+0,000	441.119,205	8.765.316,860
436+0,000	441.136,959	8.765.326,068
437+0,000	441.154,714	8.765.335,276

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[Assinatura]
Responsável Técnica
Engenheira Especialista Taisa Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

[Assinatura]
Responsável
Fabricio Henrique da Faria Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
438+0,000	441.172,468	8.765.344,484
439+0,000	441.190,222	8.765.353,692
440+0,000	441.207,976	8.765.362,900
441+0,000	441.225,731	8.765.372,108
442+0,000	441.243,485	8.765.381,315
443+0,000	441.261,239	8.765.390,523
444+0,000	441.278,994	8.765.399,731
445+0,000	441.296,748	8.765.408,939
446+0,000	441.314,502	8.765.418,147
447+0,000	441.332,256	8.765.427,355
448+0,000	441.350,011	8.765.436,563
449+0,000	441.367,765	8.765.445,771
450+0,000	441.385,519	8.765.454,979
451+0,000	441.403,274	8.765.464,186
452+0,000	441.421,028	8.765.473,394
453+0,000	441.438,782	8.765.482,602
454+0,000	441.456,536	8.765.491,810
455+0,000	441.474,291	8.765.501,018
456+0,000	441.492,045	8.765.510,226
457+0,000	441.509,799	8.765.519,434
458+0,000	441.527,554	8.765.528,642
459+0,000	441.545,295	8.765.537,875
460+0,000	441.562,984	8.765.547,207
461+0,000	441.580,619	8.765.556,642
462+0,000	441.598,198	8.765.566,179
463+0,000	441.615,722	8.765.575,818
464+0,000	441.633,190	8.765.585,559
465+0,000	441.650,600	8.765.595,402
466+0,000	441.667,953	8.765.605,345
467+0,000	441.685,248	8.765.615,390
468+0,000	441.702,484	8.765.625,535
469+0,000	441.719,660	8.765.635,780
470+0,000	441.736,777	8.765.646,124
470+3,554	441.743,760	8.765.640,773
471+0,000	441.753,834	8.765.656,568
472+0,000	441.770,829	8.765.667,112
473+0,000	441.787,763	8.765.677,753
474+0,000	441.804,634	8.765.688,494
475+0,000	441.821,443	8.765.699,332
476+0,000	441.838,188	8.765.710,268
477+0,000	441.854,870	8.765.721,301
478+0,000	441.871,487	8.765.732,430
479+0,000	441.888,039	8.765.743,657
480+0,000	441.904,525	8.765.754,979
481+0,000	441.920,945	8.765.766,397
482+0,000	441.937,299	8.765.777,911
483+0,000	441.953,617	8.765.789,474

Estaqueamento		
MT-338		
Estaca	Leste	Norte
484+0,000	441.969,936	8.765.801,037
485+0,000	441.986,254	8.765.812,600
486+0,000	442.002,573	8.765.824,163
487+0,000	442.009,167	8.765.828,836
488+0,000	442.025,486	8.765.840,399
489+0,000	442.041,804	8.765.851,962
490+0,000	442.058,123	8.765.863,525
491+0,000	442.074,442	8.765.875,088
492+0,000	442.090,760	8.765.886,651
493+0,000	442.107,079	8.765.898,214
494+0,000	442.123,397	8.765.909,777
495+0,000	442.139,716	8.765.921,340
496+0,000	442.156,034	8.765.932,903
497+0,000	442.172,353	8.765.944,466
498+0,000	442.188,672	8.765.956,030
499+0,000	442.204,990	8.765.967,593
500+0,000	442.221,309	8.765.979,156
501+0,000	442.237,627	8.765.990,719
502+0,000	442.253,946	8.766.002,282
503+0,000	442.270,264	8.766.013,845
504+0,000	442.286,583	8.766.025,408
505+0,000	442.302,901	8.766.036,971
506+0,000	442.319,220	8.766.048,534
507+0,000	442.335,539	8.766.060,097
508+0,000	442.351,857	8.766.071,660
509+0,000	442.368,176	8.766.083,223
509+8,370 TE	442.375,005	8.766.088,062
510+0,000	442.384,483	8.766.094,802
511+0,000	442.400,589	8.766.106,659
512+0,000	442.416,132	8.766.119,240
512+8,370 EC	442.422,371	8.766.124,819
513+0,000	442.430,702	8.766.132,932
514+0,000	442.444,033	8.766.147,833
515+0,000	442.456,019	8.766.163,835
516+0,000	442.466,571	8.766.180,818
517+0,000	442.475,608	8.766.198,653
518+0,000	442.483,061	8.766.217,205
519+0,000	442.488,876	8.766.236,335
520+0,000	442.493,007	8.766.255,897
521+0,000	442.495,423	8.766.275,744
522+0,000	442.496,107	8.766.295,726
523+0,000	442.495,053	8.766.315,692
524+0,000	442.492,268	8.766.335,491
525+0,000	442.487,775	8.766.354,973
526+0,000	442.481,607	8.766.373,991
527+0,000	442.473,810	8.766.392,402
528+0,000	442.464,444	8.766.410,067
529+0,000	442.453,579	8.766.426,851
530+0,000	442.441,298	8.766.442,628

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Amorim
Responsável Técnico
Engenheiro Especializado Tabela Becerra de Castro
Engenheiro Civil
CREA-MT 1205190473

[Assinatura]
Responsável
Fabricante/Projeta/Execução Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417
Sub Trecho: KM 664,67 - KM 689,27
Extensão Total: 24,445 km



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SINFRA/PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
531+0,000	442.427,693	8.766.457,279
532+0,000	442.412,867	8.766.470,693
533+0,000	442.396,932	8.766.482,768
533+3,093 CE	442.394,376	8.766.484,510
534+0,000	442.380,038	8.766.493,464
535+0,000	442.362,507	8.766.503,087
536+0,000	442.344,663	8.766.512,118
536+3,093 ET	442.341,893	8.766.513,495
537+0,000	442.326,752	8.766.521,018
538+0,000	442.308,841	8.766.529,917
539+0,000	442.290,930	8.766.538,816
540+0,000	442.273,019	8.766.547,714
541+0,000	442.255,107	8.766.556,613
542+0,000	442.237,196	8.766.565,512
543+0,000	442.219,285	8.766.574,411
544+0,000	442.201,374	8.766.583,310
545+0,000	442.183,463	8.766.592,209
546+0,000	442.165,552	8.766.601,108
547+0,000	442.147,641	8.766.610,007
548+0,000	442.129,729	8.766.618,906
549+0,000	442.111,818	8.766.627,805
550+0,000	442.093,907	8.766.636,704
551+0,000	442.075,996	8.766.645,603
552+0,000	442.058,085	8.766.654,501
553+0,000	442.040,174	8.766.663,400
554+0,000	442.022,262	8.766.672,299
555+0,000	442.004,351	8.766.681,198
556+0,000	441.986,440	8.766.690,097
557+0,000	441.968,529	8.766.698,996
558+0,000	441.950,618	8.766.707,895
559+0,000	441.932,707	8.766.716,794
559+0,913 PC	441.931,889	8.766.717,200
560+0,000	441.914,819	8.766.725,740
561+0,000	441.896,984	8.766.734,790
562+0,000	441.879,202	8.766.743,944
563+0,000	441.861,473	8.766.753,201
564+0,000	441.843,799	8.766.762,561
565+0,000	441.826,179	8.766.772,024
566+0,000	441.808,614	8.766.781,589
567+0,000	441.791,106	8.766.791,256
568+0,000	441.773,654	8.766.801,025
569+0,000	441.756,259	8.766.810,895
570+0,000	441.738,922	8.766.820,866
571+0,000	441.721,643	8.766.830,938
572+0,000	441.704,423	8.766.841,110
573+0,000	441.687,263	8.766.851,382
574+0,000	441.670,163	8.766.861,754
575+0,000	441.653,123	8.766.872,225
576+0,000	441.636,144	8.766.882,795
577+0,000	441.619,227	8.766.893,464
578+0,000	441.602,373	8.766.904,231

Estaqueamento		
MT-338		
Estaca	Leste	Norte
579+0,000	441.585,582	8.766.915,096
580+0,000	441.568,854	8.766.926,058
581+0,000	441.552,190	8.766.937,118
582+0,000	441.535,590	8.766.948,274
583+0,000	441.519,056	8.766.959,526
584+0,000	441.502,588	8.766.970,875
584+1,824 PT	441.501,089	8.766.971,915
584+19,657 TE	441.486,440	8.766.982,084
585+0,000	441.486,158	8.766.982,280
586+0,000	441.469,691	8.766.993,630
587+0,000	441.453,008	8.767.004,660
587+19,657 EC	441.436,213	8.767.014,871
588+0,000	441.435,916	8.767.015,042
589+0,000	441.418,289	8.767.024,485
590+0,000	441.400,153	8.767.032,910
591+0,000	441.381,566	8.767.040,287
592+0,000	441.362,589	8.767.046,594
593+0,000	441.343,284	8.767.051,809
594+0,000	441.323,713	8.767.055,916
595+0,000	441.303,940	8.767.058,901
596+0,000	441.284,029	8.767.060,755
597+0,000	441.264,044	8.767.061,472
597+10,600 CE	441.253,445	8.767.061,390
598+0,000	441.244,051	8.767.061,056
599+0,000	441.224,099	8.767.059,689
600+0,000	441.204,195	8.767.057,742
600+10,600 ET	441.193,656	8.767.056,605
601+0,000	441.184,311	8.767.055,588
602+0,000	441.164,428	8.767.053,426
603+0,000	441.144,545	8.767.051,263
604+0,000	441.124,663	8.767.049,100
605+0,000	441.104,780	8.767.046,937
606+0,000	441.084,897	8.767.044,774
607+0,000	441.065,015	8.767.042,611
607+3,242 TE	441.061,792	8.767.042,260
608+0,000	441.045,127	8.767.040,493
609+0,000	441.025,203	8.767.038,764
610+0,000	441.005,224	8.767.037,889
610+3,242 EC	441.001,983	8.767.037,859
611+0,000	440.985,232	8.767.038,288
612+0,000	440.965,317	8.767.040,079
613+0,000	440.945,575	8.767.043,256
614+0,000	440.926,103	8.767.047,801
615+0,000	440.906,995	8.767.053,694
616+0,000	440.888,344	8.767.060,905
617+0,000	440.870,242	8.767.069,399
618+0,000	440.852,776	8.767.079,135
618+14,466 CE	440.840,588	8.767.086,925
619+0,000	440.836,031	8.767.090,064
620+0,000	440.819,993	8.767.102,009
621+0,000	440.804,445	8.767.114,588

Assinatura
Responsável Técnica
Engenheira Especialista Tereza Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

Assinatura
Corresponsável
Fabricio Henrique da Silva Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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SINFRA-PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
621+14,466 ET	440.793,349	8.767.123,870
622+0,000	440.789,112	8.767.127,429
623+0,000	440.773,797	8.767.140,293
624+0,000	440.758,483	8.767.153,156
625+0,000	440.743,168	8.767.166,019
626+0,000	440.727,854	8.767.178,882
627+0,000	440.712,539	8.767.191,746
627+8,135 TE	440.706,310	8.767.196,978
628+0,000	440.697,237	8.767.204,624
629+0,000	440.682,148	8.767.217,750
630+0,000	440.667,643	8.767.231,516
630+8,135 EC	440.662,005	8.767.237,379
631+0,000	440.654,129	8.767.246,252
632+0,000	440.641,855	8.767.262,036
633+0,000	440.630,905	8.767.278,766
634+0,000	440.621,353	8.767.296,331
635+0,000	440.613,261	8.767.314,615
636+0,000	440.606,683	8.767.333,496
637+0,000	440.601,664	8.767.352,850
638+0,000	440.598,235	8.767.372,549
639+0,000	440.596,420	8.767.392,460
640+0,000	440.596,231	8.767.412,454
641+0,000	440.597,669	8.767.432,397
642+0,000	440.600,724	8.767.452,156
643+0,000	440.605,377	8.767.471,602
644+0,000	440.611,597	8.767.490,604
645+0,000	440.619,341	8.767.509,038
646+0,000	440.628,560	8.767.526,781
647+0,000	440.639,191	8.767.543,715
648+0,000	440.651,165	8.767.559,727
649+0,000	440.664,401	8.767.574,713
650+0,000	440.678,813	8.767.588,572
651+0,000	440.694,305	8.767.601,213
651+10,839 CE	440.703,115	8.767.607,525
652+0,000	440.710,768	8.767.612,559
653+0,000	440.727,970	8.767.622,757
654+0,000	440.745,585	8.767.632,227
654+10,839 ET	440.755,206	8.767.637,220
655+0,000	440.763,343	8.767.641,429
656+0,000	440.781,107	8.767.650,618
657+0,000	440.798,870	8.767.659,808
658+0,000	440.816,634	8.767.668,997
659+0,000	440.834,398	8.767.678,187
660+0,000	440.852,162	8.767.687,376
661+0,000	440.869,926	8.767.696,565
662+0,000	440.887,690	8.767.705,755
663+0,000	440.905,454	8.767.714,944
664+0,000	440.923,217	8.767.724,134
665+0,000	440.940,981	8.767.733,323
666+0,000	440.958,745	8.767.742,512
667+0,000	440.976,509	8.767.751,702

Estaqueamento		
MT-338		
Estaca	Leste	Norte
668+0,000	440.994,273	8.767.760,891
669+0,000	441.012,037	8.767.770,081
670+0,000	441.029,801	8.767.779,270
671+0,000	441.047,565	8.767.788,459
672+0,000	441.065,328	8.767.797,649
673+0,000	441.083,092	8.767.806,838
674+0,000	441.100,856	8.767.816,028
675+0,000	441.118,620	8.767.825,217
676+0,000	441.136,384	8.767.834,406
677+0,000	441.154,148	8.767.843,596
678+0,000	441.171,912	8.767.852,785
679+0,000	441.189,675	8.767.861,975
680+0,000	441.207,439	8.767.871,164
681+0,000	441.225,203	8.767.880,353
682+0,000	441.242,967	8.767.889,543
683+0,000	441.260,731	8.767.898,732
684+0,000	441.278,495	8.767.907,922
685+0,000	441.296,259	8.767.917,111
686+0,000	441.314,022	8.767.926,301
687+0,000	441.331,786	8.767.935,490
688+0,000	441.349,550	8.767.944,679
689+0,000	441.367,314	8.767.953,869
690+0,000	441.385,078	8.767.963,058
691+0,000	441.402,842	8.767.972,248
692+0,000	441.420,606	8.767.981,437
693+0,000	441.438,369	8.767.990,626
694+0,000	441.456,133	8.767.999,816
694+13,325 TE	441.467,968	8.768.005,938
695+0,000	441.473,896	8.768.009,008
696+0,000	441.491,583	8.768.018,344
697+0,000	441.508,996	8.768.028,179
697+13,325 EC	441.520,329	8.768.035,185
698+0,000	441.525,898	8.768.038,866
699+0,000	441.542,094	8.768.050,594
700+0,000	441.557,506	8.768.063,335
701+0,000	441.572,072	8.768.077,035
702+0,000	441.585,733	8.768.091,638
703+0,000	441.598,431	8.768.107,085
704+0,000	441.610,115	8.768.123,313
704+16,560 CE	441.618,988	8.768.137,293
705+0,000	441.620,738	8.768.140,255
706+0,000	441.630,356	8.768.157,788
707+0,000	441.639,284	8.768.175,684
707+16,560 ET	441.646,420	8.768.190,627
708+0,000	441.647,894	8.768.193,736
709+0,000	441.656,468	8.768.211,805
710+0,000	441.665,042	8.768.229,874
711+0,000	441.673,616	8.768.247,943
712+0,000	441.682,190	8.768.266,012
713+0,000	441.690,764	8.768.284,081
714+0,000	441.699,338	8.768.302,150

Assinatura
Responsável Técnica
Engenheira Especialista Tereza Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

Assinatura
Corresponsável
Fabricio Henrique da Rocha Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
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SINFRA/PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
715+0,000	441.707,911	8.768.320,219
716+0,000	441.716,485	8.768.338,288
717+0,000	441.725,059	8.768.356,357
717+1,492 TE	441.725,699	8.768.357,705
718+0,000	441.733,661	8.768.374,412
719+0,000	441.742,456	8.768.392,374
720+0,000	441.751,652	8.768.410,134
720+1,492 EC	441.752,360	8.768.411,448
721+0,000	441.761,420	8.768.427,585
722+0,000	441.771,791	8.768.444,685
723+0,000	441.782,753	8.768.461,412
724+0,000	441.794,292	8.768.477,746
725+0,000	441.806,395	8.768.493,668
726+0,000	441.819,046	8.768.509,157
726+7,501 CE	441.823,929	8.768.514,851
727+0,000	441.832,223	8.768.524,201
728+0,000	441.845,809	8.768.538,877
729+0,000	441.859,629	8.768.553,334
729+7,501 ET	441.864,838	8.768.558,732
730+0,000	441.873,519	8.768.567,724
731+0,000	441.887,410	8.768.582,113
732+0,000	441.901,302	8.768.596,501
733+0,000	441.915,193	8.768.610,890
734+0,000	441.929,084	8.768.625,278
735+0,000	441.942,976	8.768.639,667
736+0,000	441.956,867	8.768.654,056
737+0,000	441.970,758	8.768.668,444
738+0,000	441.984,650	8.768.682,833
739+0,000	441.998,541	8.768.697,221
740+0,000	442.012,432	8.768.711,610
741+0,000	442.026,324	8.768.725,998
742+0,000	442.040,215	8.768.740,387
743+0,000	442.054,106	8.768.754,776
744+0,000	442.067,998	8.768.769,164
745+0,000	442.081,889	8.768.783,553
746+0,000	442.095,780	8.768.797,941
747+0,000	442.109,672	8.768.812,330
747+3,212 TE	442.111,903	8.768.814,641
748+0,000	442.123,530	8.768.826,750
749+0,000	442.137,103	8.768.841,438
750+0,000	442.150,035	8.768.856,692
750+3,212 EC	442.152,026	8.768.859,212
751+0,000	442.161,967	8.768.872,738
752+0,000	442.172,751	8.768.889,576
753+0,000	442.182,334	8.768.907,126
754+0,000	442.190,670	8.768.925,302
755+0,000	442.197,718	8.768.944,014
756+0,000	442.203,444	8.768.963,173
757+0,000	442.207,820	8.768.982,684
758+0,000	442.210,825	8.769.002,453
759+0,000	442.212,443	8.769.022,383

Estaqueamento		
MT-338		
Estaca	Leste	Norte
760+0,000	442.212,667	8.769.042,378
761+0,000	442.211,497	8.769.062,340
762+0,000	442.208,936	8.769.082,171
763+0,000	442.204,999	8.769.101,776
764+0,000	442.199,705	8.769.121,058
765+0,000	442.193,078	8.769.139,924
766+0,000	442.185,152	8.769.158,282
767+0,000	442.175,965	8.769.176,042
768+0,000	442.165,561	8.769.193,118
769+0,000	442.153,992	8.769.209,428
770+0,000	442.141,313	8.769.224,890
770+7,117 CE	442.136,545	8.769.230,174
771+0,000	442.127,602	8.769.239,445
772+0,000	442.113,115	8.769.253,232
773+0,000	442.098,199	8.769.266,555
773+7,117 ET	442.092,848	8.769.271,248
774+0,000	442.083,159	8.769.279,738
775+0,000	442.068,117	8.769.292,920
776+0,000	442.053,076	8.769.306,101
777+0,000	442.038,034	8.769.319,282
778+0,000	442.022,992	8.769.332,463
779+0,000	442.007,950	8.769.345,644
780+0,000	441.992,908	8.769.358,826
781+0,000	441.977,867	8.769.372,007
782+0,000	441.962,825	8.769.385,188
783+0,000	441.947,783	8.769.398,369
784+0,000	441.932,741	8.769.411,550
785+0,000	441.917,699	8.769.424,732
785+5,713	441.913,402	8.769.428,497
Igualdade de estacas (785+5,713 = 792+0,00)		
792+0,000	441.913,402	8.769.428,497
793+0,000	441.898,361	8.769.441,678
794+0,000	441.883,319	8.769.454,860
795+0,000	441.868,277	8.769.468,041
796+0,000	441.853,235	8.769.481,222
797+0,000	441.838,193	8.769.494,403
798+0,000	441.823,152	8.769.507,584
799+0,000	441.808,110	8.769.520,766
800+0,000	441.793,068	8.769.533,947
801+0,000	441.778,026	8.769.547,128
802+0,000	441.762,984	8.769.560,309
803+0,000	441.747,943	8.769.573,490
804+0,000	441.732,901	8.769.586,672
805+0,000	441.717,859	8.769.599,853
806+0,000	441.702,817	8.769.613,034
807+0,000	441.687,775	8.769.626,215
808+0,000	441.672,733	8.769.639,396
809+0,000	441.657,692	8.769.652,578
810+0,000	441.642,650	8.769.665,759
811+0,000	441.627,608	8.769.678,940
812+0,000	441.612,566	8.769.692,121

Engenheiro
Responsável Técnica
Engenheiro Especializado Trabalho Básico de Castro
Engenheiro Civil
CREA-MT 1205190473

Engenheiro
Corresponsável
Fabricante/Operador/Execução Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
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SINFRA-PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
813+0,000	441.597,524	8.769.705,302
814+0,000	441.582,483	8.769.718,484
815+0,000	441.567,441	8.769.731,665
816+0,000	441.552,399	8.769.744,846
817+0,000	441.537,357	8.769.758,027
818+0,000	441.522,315	8.769.771,208
819+0,000	441.507,274	8.769.784,390
820+0,000	441.492,232	8.769.797,571
821+0,000	441.477,175	8.769.810,735
822+0,000	441.462,047	8.769.823,817
823+0,000	441.446,843	8.769.836,811
823+3,841	441.444,218	8.769.839,646
824+0,000	441.431,564	8.769.849,717
825+0,000	441.416,211	8.769.862,533
826+0,000	441.400,783	8.769.875,260
827+0,000	441.385,317	8.769.887,941
828+0,000	441.369,851	8.769.900,622
829+0,000	441.354,385	8.769.913,303
830+0,000	441.338,919	8.769.925,984
831+0,000	441.323,453	8.769.938,665
832+0,000	441.307,988	8.769.951,346
833+0,000	441.292,522	8.769.964,027
834+0,000	441.277,056	8.769.976,708
835+0,000	441.261,590	8.769.989,389
836+0,000	441.246,124	8.770.002,070
837+0,000	441.230,658	8.770.014,751
838+0,000	441.215,193	8.770.027,432
839+0,000	441.199,727	8.770.040,113
840+0,000	441.184,261	8.770.052,794
841+0,000	441.168,795	8.770.065,475
842+0,000	441.153,329	8.770.078,156
843+0,000	441.137,864	8.770.090,837
844+0,000	441.122,398	8.770.103,518
845+0,000	441.106,932	8.770.116,199
846+0,000	441.091,466	8.770.128,880
847+0,000	441.076,000	8.770.141,561
848+0,000	441.060,534	8.770.154,242
849+0,000	441.045,069	8.770.166,923
850+0,000	441.029,603	8.770.179,604
851+0,000	441.014,137	8.770.192,285
852+0,000	440.998,671	8.770.204,966
853+0,000	440.983,205	8.770.217,647
854+0,000	440.967,740	8.770.230,328
855+0,000	440.952,262	8.770.242,995
856+0,000	440.936,718	8.770.255,580
857+0,000	440.921,100	8.770.268,074
858+0,000	440.905,411	8.770.280,477
858+10,109	440.898,059	8.770.287,462
859+0,000	440.889,649	8.770.292,788
860+0,000	440.873,816	8.770.305,008
861+0,000	440.857,913	8.770.317,135

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Engenheiro Civil
Responsável Técnica
Engenheiro Everaldo Toledo Bezerra de Castro
CREA-MT 1205190473

Engenheiro Civil
Corresponsável
Fabricio Henrique da Rocha Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Estaqueamento		
MT-338		
Estaca	Leste	Norte
862+0,000	440.841,939	8.770.329,170
863+0,000	440.825,901	8.770.341,120
864+0,000	440.809,852	8.770.353,054
865+0,000	440.793,803	8.770.364,988
866+0,000	440.777,754	8.770.376,922
867+0,000	440.761,705	8.770.388,857
868+0,000	440.745,656	8.770.400,791
869+0,000	440.729,606	8.770.412,725
870+0,000	440.713,557	8.770.424,659
871+0,000	440.697,508	8.770.436,594
872+0,000	440.681,459	8.770.448,528
873+0,000	440.665,410	8.770.460,462
874+0,000	440.649,361	8.770.472,396
875+0,000	440.633,312	8.770.484,331
876+0,000	440.617,263	8.770.496,265
877+0,000	440.601,214	8.770.508,199
878+0,000	440.585,165	8.770.520,133
879+0,000	440.569,124	8.770.532,079
880+0,000	440.553,144	8.770.544,105
881+0,000	440.537,234	8.770.556,224
882+0,000	440.521,394	8.770.568,435
882+11,989	440.511,348	8.770.575,024
883+0,000	440.505,627	8.770.580,739
884+0,000	440.489,930	8.770.593,134
885+0,000	440.474,307	8.770.605,620
886+0,000	440.458,756	8.770.618,196
887+0,000	440.443,275	8.770.630,859
888+0,000	440.427,811	8.770.643,542
889+0,000	440.412,348	8.770.656,226
890+0,000	440.396,884	8.770.668,910
891+0,000	440.381,420	8.770.681,593
892+0,000	440.365,957	8.770.694,277
893+0,000	440.350,493	8.770.706,960
894+0,000	440.335,029	8.770.719,644
895+0,000	440.319,565	8.770.732,328
896+0,000	440.304,102	8.770.745,011
897+0,000	440.288,638	8.770.757,695
898+0,000	440.273,174	8.770.770,379
899+0,000	440.257,711	8.770.783,062
900+0,000	440.242,247	8.770.795,746
901+0,000	440.226,783	8.770.808,429
902+0,000	440.211,320	8.770.821,113
903+0,000	440.195,856	8.770.833,797
904+0,000	440.180,392	8.770.846,480
905+0,000	440.164,928	8.770.859,164
906+0,000	440.149,465	8.770.871,847
907+0,000	440.134,001	8.770.884,531
908+0,000	440.118,537	8.770.897,215
909+0,000	440.103,074	8.770.909,898
910+0,000	440.087,610	8.770.922,582
911+0,000	440.072,146	8.770.935,266

Estaqueamento		
MT-338		
Estaca	Leste	Norte
912+0,000	440.056,683	8.770.947,949
913+0,000	440.041,219	8.770.960,633
914+0,000	440.025,755	8.770.973,316
915+0,000	440.010,291	8.770.986,000
916+0,000	439.994,828	8.770.998,684
917+0,000	439.979,364	8.771.011,367
918+0,000	439.963,900	8.771.024,051
919+0,000	439.948,437	8.771.036,734
920+0,000	439.932,973	8.771.049,418
921+0,000	439.917,509	8.771.062,102
922+0,000	439.902,046	8.771.074,785
923+0,000	439.886,582	8.771.087,469
924+0,000	439.871,118	8.771.100,153
924+18,804	439.856,579	8.771.112,078
925+0,000	439.855,652	8.771.112,832
926+0,000	439.840,158	8.771.125,479
927+0,000	439.824,663	8.771.138,125
928+0,000	439.809,168	8.771.150,770
929+0,000	439.793,673	8.771.163,415
930+0,000	439.778,178	8.771.176,061
931+0,000	439.762,683	8.771.188,706
932+0,000	439.747,188	8.771.201,351
933+0,000	439.731,693	8.771.213,997
934+0,000	439.716,198	8.771.226,642
935+0,000	439.700,703	8.771.239,287
936+0,000	439.685,208	8.771.251,933
937+0,000	439.669,713	8.771.264,578
938+0,000	439.654,218	8.771.277,223
939+0,000	439.638,723	8.771.289,869
940+0,000	439.623,228	8.771.302,514
941+0,000	439.607,733	8.771.315,159
942+0,000	439.592,238	8.771.327,805
943+0,000	439.576,743	8.771.340,450
944+0,000	439.561,247	8.771.353,095
945+0,000	439.545,752	8.771.365,741
946+0,000	439.530,257	8.771.378,386
947+0,000	439.514,762	8.771.391,031
948+0,000	439.499,267	8.771.403,677
949+0,000	439.483,772	8.771.416,322
950+0,000	439.468,277	8.771.428,967
951+0,000	439.452,782	8.771.441,613
952+0,000	439.437,287	8.771.454,258
953+0,000	439.421,792	8.771.466,903
954+0,000	439.406,297	8.771.479,549
955+0,000	439.390,802	8.771.492,199
956+0,000	439.375,306	8.771.504,911
957+0,000	439.359,811	8.771.517,699
958+0,000	439.344,314	8.771.530,562
958+8,846	439.337,464	8.771.535,723
959+0,000	439.329,424	8.771.543,502
960+0,000	439.314,238	8.771.556,516

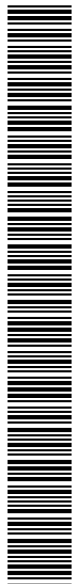
Assinatura
Responsável Técnica
Engenheiro Especializado Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Assinatura
Corresponsável
Fabricio Henrique da Silva Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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SINFRA-PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
961+0,000	439.299,116	8.771.569,606
962+0,000	439.284,059	8.771.582,770
963+0,000	439.269,049	8.771.595,987
964+0,000	439.254,041	8.771.609,207
965+0,000	439.239,034	8.771.622,427
966+0,000	439.224,026	8.771.635,647
967+0,000	439.209,018	8.771.648,867
968+0,000	439.194,010	8.771.662,087
969+0,000	439.179,002	8.771.675,307
970+0,000	439.163,995	8.771.688,527
971+0,000	439.148,987	8.771.701,746
972+0,000	439.133,979	8.771.714,966
973+0,000	439.118,971	8.771.728,186
974+0,000	439.103,963	8.771.741,406
975+0,000	439.088,955	8.771.754,626
976+0,000	439.073,948	8.771.767,846
977+0,000	439.058,940	8.771.781,066
978+0,000	439.043,932	8.771.794,286
979+0,000	439.028,924	8.771.807,506
980+0,000	439.013,916	8.771.820,725
981+0,000	438.998,909	8.771.833,945
982+0,000	438.983,901	8.771.847,165
983+0,000	438.968,893	8.771.860,385
984+0,000	438.953,885	8.771.873,605
985+0,000	438.938,877	8.771.886,825
986+0,000	438.923,869	8.771.900,045
987+0,000	438.908,862	8.771.913,265
988+0,000	438.893,854	8.771.926,485
989+0,000	438.878,846	8.771.939,704
990+0,000	438.863,838	8.771.952,924
991+0,000	438.848,830	8.771.966,144
992+0,000	438.833,823	8.771.979,364
993+0,000	438.818,815	8.771.992,584
994+0,000	438.803,807	8.772.005,804
995+0,000	438.788,799	8.772.019,024
996+0,000	438.773,791	8.772.032,244
997+0,000	438.758,783	8.772.045,463
998+0,000	438.743,774	8.772.058,682
999+0,000	438.728,720	8.772.071,849
1000+0,000	438.713,601	8.772.084,942
1001+0,000	438.698,418	8.772.097,960
1001+18,873	438.684,590	8.772.110,818
1002+0,000	438.683,170	8.772.110,902
1003+0,000	438.667,859	8.772.123,769
1004+0,000	438.652,484	8.772.136,560
1005+0,000	438.637,046	8.772.149,275
1006+0,000	438.621,546	8.772.161,914
1007+0,000	438.606,008	8.772.174,507
1008+0,000	438.590,471	8.772.187,100
1009+0,000	438.574,933	8.772.199,693
1010+0,000	438.559,396	8.772.212,286

Estaqueamento		
MT-338		
Estaca	Leste	Norte
1011+0,000	438.543,858	8.772.224,879
1012+0,000	438.528,320	8.772.237,472
1013+0,000	438.512,783	8.772.250,065
1014+0,000	438.497,245	8.772.262,658
1015+0,000	438.481,708	8.772.275,251
1016+0,000	438.466,170	8.772.287,844
1017+0,000	438.450,632	8.772.300,437
1018+0,000	438.435,095	8.772.313,030
1019+0,000	438.419,557	8.772.325,623
1020+0,000	438.404,020	8.772.338,216
1021+0,000	438.388,482	8.772.350,809
1022+0,000	438.372,944	8.772.363,402
1023+0,000	438.357,407	8.772.375,995
1024+0,000	438.341,869	8.772.388,588
1025+0,000	438.326,331	8.772.401,181
1026+0,000	438.310,794	8.772.413,774
1027+0,000	438.295,256	8.772.426,366
1028+0,000	438.279,719	8.772.438,959
1029+0,000	438.264,181	8.772.451,552
1030+0,000	438.248,643	8.772.464,145
1031+0,000	438.233,106	8.772.476,738
1032+0,000	438.217,568	8.772.489,331
1033+0,000	438.202,031	8.772.501,924
1034+0,000	438.186,493	8.772.514,517
1035+0,000	438.170,955	8.772.527,110
1036+0,000	438.155,418	8.772.539,703
1037+0,000	438.139,880	8.772.552,296
1038+0,000	438.124,343	8.772.564,889
1039+0,000	438.108,817	8.772.577,497
1040+0,000	438.093,442	8.772.590,288
1040+5,932	438.088,659	8.772.593,810
1041+0,000	438.078,437	8.772.603,509
1042+0,000	438.064,031	8.772.617,379
1043+0,000	438.050,336	8.772.631,952
1044+0,000	438.037,386	8.772.647,191
1045+0,000	438.025,216	8.772.663,058
1046+0,000	438.013,854	8.772.679,515
1047+0,000	438.003,329	8.772.696,519
1047+5,260	437.987,285	8.772.689,423
1047+8,886	437.977,601	8.772.683,821
1048+0,000	437.993,668	8.772.714,029
1049+0,000	437.984,895	8.772.732,000
1050+0,000	437.977,032	8.772.750,387
1051+0,000	437.970,098	8.772.769,144
1052+0,000	437.964,112	8.772.788,225
1053+0,000	437.959,087	8.772.807,582
1053+17,874	437.954,931	8.772.824,966
1054+0,000	437.954,963	8.772.827,150
1055+0,000	437.951,458	8.772.846,840
1056+0,000	437.948,247	8.772.866,581
1057+0,000	437.945,076	8.772.886,328

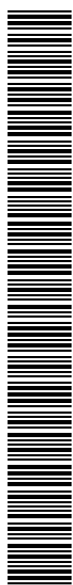
[Assinatura]
Responsável Técnica
Engenheira Especialista Tereza Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

[Assinatura]
Corresponsável
Fabricante/Operador Estrada Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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SINFRA-PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
1058+0,000	437.941,904	8.772.906,075
1059+0,000	437.938,733	8.772.925,822
1060+0,000	437.935,561	8.772.945,569
1061+0,000	437.932,389	8.772.965,316
1062+0,000	437.929,218	8.772.985,063
1063+0,000	437.926,046	8.773.004,809
1064+0,000	437.922,875	8.773.024,556
1065+0,000	437.919,703	8.773.044,303
1066+0,000	437.916,531	8.773.064,050
1067+0,000	437.913,360	8.773.083,797
1068+0,000	437.910,188	8.773.103,544
1069+0,000	437.907,016	8.773.123,291
1070+0,000	437.903,845	8.773.143,038
1071+0,000	437.900,673	8.773.162,785
1072+0,000	437.897,502	8.773.182,532
1073+0,000	437.894,330	8.773.202,279
1074+0,000	437.891,158	8.773.222,026
1075+0,000	437.887,987	8.773.241,773
1076+0,000	437.884,815	8.773.261,519
1077+0,000	437.881,644	8.773.281,266
1078+0,000	437.878,472	8.773.301,013
1079+0,000	437.875,300	8.773.320,760
1080+0,000	437.872,129	8.773.340,507
1081+0,000	437.868,957	8.773.360,254
1082+0,000	437.865,785	8.773.380,001
1083+0,000	437.862,614	8.773.399,748
1084+0,000	437.859,442	8.773.419,495
1085+0,000	437.856,271	8.773.439,242
1086+0,000	437.853,099	8.773.458,989
1087+0,000	437.849,927	8.773.478,736
1088+0,000	437.846,756	8.773.498,482
1089+0,000	437.843,584	8.773.518,229
1090+0,000	437.840,413	8.773.537,976
1091+0,000	437.837,241	8.773.557,723
1092+0,000	437.834,069	8.773.577,470
1093+0,000	437.830,898	8.773.597,217
1094+0,000	437.827,726	8.773.616,964
1095+0,000	437.824,554	8.773.636,711
1096+0,000	437.821,383	8.773.656,458
1097+0,000	437.818,211	8.773.676,205
1098+0,000	437.815,040	8.773.695,952
1099+0,000	437.811,868	8.773.715,699
1100+0,000	437.808,696	8.773.735,446
1101+0,000	437.805,525	8.773.755,192
1102+0,000	437.802,353	8.773.774,939
1103+0,000	437.799,182	8.773.794,686
1104+0,000	437.796,010	8.773.814,433
1105+0,000	437.792,838	8.773.834,180
1106+0,000	437.789,667	8.773.853,927
1107+0,000	437.786,495	8.773.873,674
1108+0,000	437.783,323	8.773.893,421

Estaqueamento		
MT-338		
Estaca	Leste	Norte
1109+0,000	437.780,153	8.773.913,168
1110+0,000	437.777,042	8.773.932,925
1111+0,000	437.774,030	8.773.952,696
1112+0,000	437.771,115	8.773.972,483
1113+0,000	437.768,298	8.773.992,283
1114+0,000	437.765,579	8.774.012,098
1115+0,000	437.762,958	8.774.031,925
1115+11,470	437.759,303	8.774.042,974
1116+0,000	437.760,435	8.774.051,765
1117+0,000	437.758,010	8.774.071,618
1118+0,000	437.755,684	8.774.091,482
1119+0,000	437.753,455	8.774.111,357
1120+0,000	437.751,325	8.774.131,244
1121+0,000	437.749,294	8.774.151,140
1122+0,000	437.747,361	8.774.171,047
1123+0,000	437.745,500	8.774.190,960
1124+0,000	437.743,642	8.774.210,873
1125+0,000	437.741,785	8.774.230,787
1126+0,000	437.739,927	8.774.250,700
1127+0,000	437.738,070	8.774.270,614
1128+0,000	437.736,212	8.774.290,528
1129+0,000	437.734,355	8.774.310,441
1130+0,000	437.732,497	8.774.330,355
1131+0,000	437.730,640	8.774.350,268
1132+0,000	437.728,782	8.774.370,182
1133+0,000	437.726,925	8.774.390,095
1134+0,000	437.725,067	8.774.410,009
1135+0,000	437.723,210	8.774.429,923
1136+0,000	437.721,352	8.774.449,836
1137+0,000	437.719,495	8.774.469,750
1138+0,000	437.717,638	8.774.489,663
1139+0,000	437.715,780	8.774.509,577
1140+0,000	437.713,923	8.774.529,490
1141+0,000	437.712,065	8.774.549,404
1142+0,000	437.710,208	8.774.569,317
1143+0,000	437.708,350	8.774.589,231
1144+0,000	437.706,493	8.774.609,145
1145+0,000	437.704,635	8.774.629,058
1146+0,000	437.702,778	8.774.648,972
1147+0,000	437.700,920	8.774.668,885
1148+0,000	437.699,063	8.774.688,799
1149+0,000	437.697,205	8.774.708,712
1150+0,000	437.695,348	8.774.728,626
1151+0,000	437.693,490	8.774.748,539
1152+0,000	437.691,633	8.774.768,453
1153+0,000	437.689,775	8.774.788,367
1154+0,000	437.687,918	8.774.808,280
1155+0,000	437.686,060	8.774.828,194
1156+0,000	437.684,203	8.774.848,107
1157+0,000	437.682,346	8.774.868,021
1158+0,000	437.680,488	8.774.887,934

[Assinatura]
Responsável Técnica
Engenheira Especialista Tereza Bezerra de Castro
Engenheira Civil
CREA-MT 1205190473

[Assinatura]
Responsável
Fabricante/Engenheiro Edinaldo Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



HASH: 4198a5b39891a1a02089c874bb55aca14324a0426bcb1e675ac8af65a176c4. Documento assinado digitalmente, valide em https://aquilicosos.seplag.mt.gov.br/flowbee-pub/#/validar/4W2L-967E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA/PRO-2025/18731





Estaqueamento		
MT-338		
Estaca	Leste	Norte
1159+0,000	437.678,631	8.774.907,848
1160+0,000	437.676,773	8.774.927,761
1161+0,000	437.674,916	8.774.947,675
1162+0,000	437.673,058	8.774.967,589
1163+0,000	437.671,201	8.774.987,502
1164+0,000	437.669,343	8.775.007,416
1165+0,000	437.667,486	8.775.027,329
1166+0,000	437.665,628	8.775.047,243
1167+0,000	437.663,771	8.775.067,156
1168+0,000	437.661,913	8.775.087,070
1169+0,000	437.660,056	8.775.106,983
1170+0,000	437.658,198	8.775.126,897
1171+0,000	437.656,341	8.775.146,811
1172+0,000	437.654,483	8.775.166,724
1173+0,000	437.652,626	8.775.186,638
1174+0,000	437.650,768	8.775.206,551
1175+0,000	437.648,911	8.775.226,465
1176+0,000	437.647,054	8.775.246,378
1177+0,000	437.645,196	8.775.266,292
1178+0,000	437.643,339	8.775.286,206
1179+0,000	437.641,481	8.775.306,119
1180+0,000	437.639,624	8.775.326,033
1181+0,000	437.637,766	8.775.345,946
1182+0,000	437.635,909	8.775.365,860
1183+0,000	437.634,051	8.775.385,773
1184+0,000	437.632,194	8.775.405,687
1185+0,000	437.630,336	8.775.425,600
1186+0,000	437.628,479	8.775.445,514
1187+0,000	437.626,621	8.775.465,428
1188+0,000	437.624,764	8.775.485,341
1189+0,000	437.622,906	8.775.505,255
1190+0,000	437.621,049	8.775.525,168
1191+0,000	437.619,191	8.775.545,082
1192+0,000	437.617,334	8.775.564,995
1193+0,000	437.615,477	8.775.584,909
1194+0,000	437.613,619	8.775.604,822
1195+0,000	437.611,762	8.775.624,736
1196+0,000	437.609,904	8.775.644,650
1197+0,000	437.608,047	8.775.664,563
1198+0,000	437.606,189	8.775.684,477
1199+0,000	437.604,332	8.775.704,390
1200+0,000	437.602,474	8.775.724,304
1201+0,000	437.600,617	8.775.744,217
1202+0,000	437.598,759	8.775.764,131
1203+0,000	437.596,902	8.775.784,044
1204+0,000	437.595,044	8.775.803,958
1205+0,000	437.593,187	8.775.823,872
1206+0,000	437.591,329	8.775.843,785
1207+0,000	437.589,472	8.775.863,699
1208+0,000	437.587,614	8.775.883,612
1209+0,000	437.585,757	8.775.903,526

Estaqueamento		
MT-338		
Estaca	Leste	Norte
1210+0,000	437.583,899	8.775.923,439
1211+0,000	437.582,042	8.775.943,353
1212+0,000	437.580,185	8.775.963,266
1213+0,000	437.578,327	8.775.983,180
1214+0,000	437.576,470	8.776.003,094
1215+0,000	437.574,612	8.776.023,007
1216+0,000	437.572,755	8.776.042,921
1217+0,000	437.570,897	8.776.062,834
1218+0,000	437.569,040	8.776.082,748
1219+0,000	437.567,182	8.776.102,661
1220+0,000	437.565,325	8.776.122,575
1221+0,000	437.563,467	8.776.142,489
1222+0,000	437.561,610	8.776.162,402
1223+0,000	437.559,752	8.776.182,316
1224+0,000	437.557,895	8.776.202,229
1224+9,963	437.556,970	8.776.212,149
1225+0,000	437.547,271	8.776.214,733

Estaqueamento: Rótula Ramo Sul		
Estaca	Norte	Este
0+0,000	8.776.176,304	437.560,313
1+0,000	8.776.183,458	437.578,715
2+0,000	8.776.199,242	437.590,576
3+0,000	8.776.218,908	437.592,329
4+0,000	8.776.236,541	437.583,447
5+0,000	8.776.246,837	437.566,600
5+16,894	8.776.247,442	437.549,872

Estaqueamento: Rótula Ramo Norte		
Estaca	Norte	Este
0+0,000	8.776.247,442	437.549,872
1+0,000	8.776.238,391	437.532,325
1+2,368 PI	8.776.243,032	437.527,943
2+0,000	8.776.221,446	437.522,191
2+0,029	8.776.221,418	437.522,183

Estaqueamento: Rótula Ramo Oeste		
Estaca	Norte	Este
0+0,000	8.776.221,418	437.522,183
1+0,000	8.776.201,677	437.522,526
2+0,000	8.776.185,086	437.533,229
2+11,652 PI	8.776.171,507	437.508,884
3+0,000	8.776.176,635	437.551,073
3+9,272	8.776.176,304	437.560,313

Assinatura
Responsável Técnica
Engenheiro Especializado Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Assinatura
Corresponsável
Fabricio Henrique da Rocha Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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SINFRA-PRO-2025/18731






Responsável Técnica
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473


Coordenador
Engenheiro Fabrício Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
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4.0 – VOLUME DE TERRAPLENA GEM



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 16/01/2026 às 10:27:13.
Documento Nº: 33637864-6764 - consulta à autenticidade em <https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=33637864-6764>



SINFRACAP202604098A




Responsável Técnica
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473


Coordenador
Engenheiro Fabrício Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
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4.1 – MT-338



SINFRACAP202604098A





Volume de Terraplenagem da MT-388

Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Vol, Acum, (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
0+0,000	0,000	0,000	8,300	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
1+0,000	10,000	0,000	5,730	0,000	0,000	0,000	0,000	0,000	109,590	30,680	140,270	140,270	-140,270
2+0,000	10,000	0,000	4,860	0,000	0,000	0,000	0,000	0,000	99,190	6,730	105,920	246,190	-246,190
3+0,000	10,000	0,000	4,140	0,000	0,000	0,000	0,000	0,000	83,440	6,650	90,090	336,270	-336,270
4+0,000	10,000	0,000	4,660	0,000	0,000	0,000	0,000	0,000	75,260	12,810	88,070	424,340	-424,340
5+0,000	10,000	0,030	1,380	0,280	0,000	0,000	0,280	0,280	52,270	8,140	60,410	484,750	-484,750
6+0,000	10,000	2,050	0,080	20,750	0,000	0,000	20,750	21,030	13,840	0,740	14,580	499,330	-478,310
7+0,000	10,000	3,100	0,000	51,470	0,000	0,000	51,470	72,500	0,800	0,000	0,800	500,130	-427,630
8+0,000	10,000	1,360	0,240	44,610	0,000	0,000	44,610	117,110	2,370	0,000	2,370	502,510	-385,400
9+0,000	10,000	0,040	3,660	14,040	0,000	0,000	14,040	131,150	37,110	1,850	38,960	541,470	-410,310
10+0,000	10,000	0,000	11,430	0,440	0,000	0,000	0,440	131,590	103,410	47,520	150,930	692,390	-560,800
11+0,000	10,000	0,000	21,240	0,000	0,000	0,000	0,000	131,590	126,130	200,600	326,730	1.019,120	-887,530
12+0,000	10,000	0,000	26,330	0,000	0,000	0,000	0,000	131,590	128,000	347,660	475,660	1.494,780	-1.363,190
13+0,000	10,000	0,000	34,320	0,000	0,000	0,000	0,000	131,590	145,260	461,240	606,500	2.101,280	-1.969,690
14+0,000	10,000	0,000	35,600	0,000	0,000	0,000	0,000	131,590	149,790	549,420	699,210	2.800,490	-2.668,900
15+0,000	10,000	0,000	37,380	0,000	0,000	0,000	0,000	131,590	132,520	597,300	729,820	3.530,310	-3.398,720
16+0,000	10,000	0,000	38,000	0,000	0,000	0,000	0,000	131,590	114,900	638,990	753,890	4.284,200	-4.162,610
16+11,951	5,980	0,000	42,290	0,000	0,000	0,000	0,000	131,590	68,650	411,120	479,770	4.763,970	-4.632,380
17+0,000	4,020	0,000	51,510	0,000	0,000	0,000	0,000	131,590	55,840	321,660	377,500	5.141,470	-5.009,880
18+0,000	10,000	0,000	38,040	0,000	0,000	0,000	0,000	131,590	138,740	756,740	895,480	6.036,960	-5.905,370
19+0,000	10,000	0,000	37,780	0,000	0,000	0,000	0,000	131,590	114,900	643,280	758,180	6.795,140	-6.663,540
20+0,000	10,000	0,000	26,250	0,000	0,000	0,000	0,000	131,590	135,610	504,660	640,270	7.435,400	-7.303,810
21+0,000	10,000	0,000	10,840	0,000	0,000	0,000	0,000	131,590	148,270	222,590	370,860	7.806,270	-7.674,670
22+0,000	10,000	1,110	0,130	11,130	0,000	0,000	11,130	142,720	71,460	38,270	109,730	7.915,990	-7.773,270
23+0,000	10,000	5,490	0,000	65,990	0,000	0,000	65,990	208,720	1,350	0,000	1,350	7.917,340	-7.708,630
24+0,000	10,000	8,280	0,000	137,690	0,000	0,000	137,690	346,410	0,000	0,000	0,000	7.917,340	-7.570,930
24+7,055	3,530	7,600	0,000	56,020	0,000	0,000	56,020	402,430	0,000	0,000	0,000	7.917,340	-7.514,910
25+0,000	6,470	4,440	0,000	77,940	0,000	0,000	77,940	480,370	0,000	0,000	0,000	7.917,340	-7.436,970
26+0,000	10,000	0,670	0,190	51,090	0,000	0,000	51,090	531,470	1,890	0,000	1,890	7.919,230	-7.387,760
27+0,000	10,000	0,000	9,020	6,670	0,000	0,000	6,670	538,140	59,180	32,860	92,040	8.011,270	-7.473,130
28+0,000	10,000	0,000	21,420	0,000	0,000	0,000	0,000	538,140	114,740	189,620	304,360	8.315,640	-7.777,500
29+0,000	10,000	0,000	26,520	0,000	0,000	0,000	0,000	538,140	131,480	347,880	479,360	8.794,990	-8.256,850
30+0,000	10,000	0,000	29,660	0,000	0,000	0,000	0,000	538,140	150,790	410,940	561,730	9.356,720	-8.818,580
31+0,000	10,000	0,000	34,380	0,000	0,000	0,000	0,000	538,140	156,340	484,010	640,350	9.997,070	-9.458,930
32+0,000	10,000	0,000	24,950	0,000	0,000	0,000	0,000	538,140	155,390	437,920	593,310	10.590,380	-10.052,240
32+2,159	1,080	0,000	25,320	0,000	0,000	0,000	0,000	538,140	16,410	37,850	54,260	10.644,640	-10.106,500
33+0,000	8,920	0,000	21,600	0,000	0,000	0,000	0,000	538,140	119,230	299,290	418,520	11.063,160	-10.525,020
34+0,000	10,000	0,000	14,400	0,000	0,000	0,000	0,000	538,140	127,220	232,720	359,940	11.423,100	-10.884,960
35+0,000	10,000	1,160	5,730	9,320	2,330	0,000	11,650	549,790	111,340	89,960	201,300	11.624,390	-11.074,600
36+0,000	10,000	1,190	3,130	18,808	4,702	0,000	23,510	573,300	69,560	19,010	88,570	11.712,970	-11.139,660
36+9,428	4,710	2,380	1,820	13,432	3,358	0,000	16,790	590,090	21,050	2,260	23,310	11.736,280	-11.146,180
37+0,000	5,290	9,610	1,410	50,672	12,668	0,000	63,340	653,440	15,450	1,620	17,070	11.753,350	-11.099,910
38+0,000	10,000	8,520	0,000	145,056	36,264	0,000	181,320	834,760	12,580	1,530	14,110	11.767,450	-10.932,700
39+0,000	10,000	25,910	0,000	275,504	68,876	0,000	344,380	1.179,130	0,000	0,000	0,000	11.767,450	-10.588,320
40+0,000	10,000	34,890	0,000	486,440	121,610	0,000	608,050	1.787,190	0,000	0,000	0,000	11.767,450	-9.980,270
41+0,000	10,000	41,410	0,000	610,384	152,596	0,000	762,980	2.550,170	0,000	0,000	0,000	11.767,450	-9.217,280
42+0,000	10,000	47,310	0,000	709,704	177,426	0,000	887,130	3.437,300	0,000	0,000	0,000	11.767,450	-8.330,160
43+0,000	10,000	34,600	0,000	655,208	163,802	0,000	819,010	4.256,310	0,000	0,000	0,000	11.767,450	-7.511,140
44+0,000	10,000	14,490	0,000	392,712	98,178	0,000	490,890	4.747,200	0,000	0,000	0,000	11.767,450	-7.020,250
45+0,000	10,000	11,460	0,000	207,616	51,904	0,000	259,520	5.006,720	0,000	0,000	0,000	11.767,450	-6.760,740
46+0,000	10,000	0,880	0,240	98,720	24,680	0,000	123,400	5.130,120	2,380	0,000	2,380	11.769,830	-6.639,710
47+0,000	10,000	0,000	12,650	7,056	1,764	0,000	8,820	5.138,940	79,520	49,360	128,880	11.898,710	-6.759,770
47+13,759	6,880	0,000	20,610	0,000	0,000	0,000	0,000	5.138,940	101,580	127,260	228,840	12.127,550	-6.988,610
48+0,000	3,120	0,000	21,090	0,000	0,000	0,000	0,000	5.138,940	39,930	90,210	130,140	12.257,690	-7.118,750
49+0,000	10,000	0,000	31,350	0,000	0,000	0,000	0,000	5.138,940	135,000	389,410	524,410	12.782,100	-7.643,160
50+0,000	10,000	0,000	24,540	0,000	0,000	0,000	0,000	5.138,940	147,760	411,160	558,920	13.341,030	-8.202,090
51+0,000	10,000	0,000	19,270	0,000	0,000	0,000	0,000	5.138,940	141,500	296,590	438,090	13.779,110	-8.640,180
52+0,000	10,000	1,690	7,490	13,504	3,376	0,000	16,880	5.155,820	110,630	156,950	267,580	14.046,690	-8.890,870
53+0,000	10,000	15,020	0,270	133,672	33,418	0,000	167,090	5.322,910	42,080	35,540	77,620	14.124,310	-8.801,400
54+0,000	10,000	43,280	0,000	466,432	116,608	0,000	583,040	5.905,950	2,740	0,000	2,740	14.127,040	-8.221,100
55+0,000	10,000	81,420	0,000	997,624	249,406	0,000	1.247,030	7.152,980	0,000	0,000	0,000	14.127,040	-6.974,070
56+0,000	10,000	90,940	0,000	1.378,872	344,718	0,000	1.723,590	8.876,560	0,000	0,000	0,000	14.127,040	-5.250,480
57+0,000	10,000	81,930	0,000	1.382,984	345,746	0,000	1.728,730	10.605,300	0,000	0,000	0,000	14.127,040	-3.521,750
58+0,000	10,000	69,050	0,000	1.207,864	301,966	0,000	1.509,830	12.115,120	0,000	0,000	0,000	14.127,040	-2.011,920
58+18,089	9,040	76,620	0,000	1.054,024	263,506	0,000	1.317,530	13.432,650	0,000	0,000	0,000	14.127,040	-694,390
59+0,000	0,960	79,150	0,000	1.19,088	29,772	0,000	148,860	13.581,510	0,000	0,000	0,000	14.127,040	-545,540
60+0,000	10,000	86,580	0,000	1.325,824	331,456	0,000	1.657,280	15.238,790	0,000	0,000	0,000	14.127,040	1.111,740
61+0,000	10,000	78,880	0,000	1.323,664	330,916	0,000	1.654,580	16.893,360	0,000	0,000	0,000	14.127,040	2.766,320
62+0,000	10,000	65,760	0,000	1.157,136	289,284	0,000	1.446,420	18.339,780	0,000	0,000	0,000	14.127,040	4.212,740
63+0,000	10,000	50,630	0,000	931,152	232,788	0,000	1.163,940	19.503,720	0,000	0,000	0,000	14.127,040	5.376,680

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Volume 3C – Nota de Serviço e Cálculo de Volume



Volume de Terraplenagem da MT-388

Table with columns: Estaca, Semi Distância (m), Área de Corte (m²), Volume de Corte (m³) [1° Cat., 2° Cat., 3° Cat., de Total], Volume Camada Final (m³), Volume Corpo de Aterro (m³), Volume Total do Aterro (m³), Vol. Acum. Aterro (m³), Dif. Vol. Acum. (m³)

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Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473

Engenheira Fabriceleirique Eufrazio Segura
Engenheira Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-388
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Table with columns: Estaca, Semi Distância (m), Área de Corte (m²), Área de Aterro (m²), Volume de Corte (m³) (1° Cat., 2° Cat., 3° Cat., Volume de Total), Vol. Acum. Corte (m³), Volume Camada Final (m³), Volume Corpo de Aterro (m³), Volume Total do Aterro (m³), Vol. Acum. Aterro (m³), Dif. Vol. Acum. (m³). Rows range from 124+0.000 to 183+0.000.

HASH: 419ba5b9891a1a02089c874bb55ac14324a04262bcb1e675ac6af5a176c4. Documento assinado digitalmente, valide em https://aquissos.seplag.mt.gov.br/flowbee/pub/#/validar/4W2L-9E7E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA-PRO-2025/18731

Responsável Técnico: Engenheiro Everaldo Tadeu Bezerra de Castro, CREA-MT 1205190473
Cargo/Profissão: Coordenador, Fabrício Henrique Eufrazio Segura, Engenheiro Civil, CREA: 121248337-7

Volume 3C - Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417
Sub Trecho: KM 664,67 - KM 689,27
Extensão Total: 24,445 km





Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)	Vol, Acum, Corte (m³)					
184+0,000	10,000	13,930	0,000	182,460	0,000	0,000	182,460	47.402,730	2,580	1,250	3,830	33.335,490	14.067,240
185+0,000	10,000	31,280	0,000	452,080	0,000	0,000	452,080	47.854,810	0,000	0,000	0,000	33.335,490	14.519,320
186+0,000	10,000	53,390	0,000	846,740	0,000	0,000	846,740	48.701,550	0,000	0,000	0,000	33.335,490	15.366,060
187+0,000	10,000	84,690	0,000	1.380,870	0,000	0,000	1.380,870	50.082,420	0,000	0,000	0,000	33.335,490	16.746,920
188+0,000	10,000	105,850	0,000	1.905,430	0,000	0,000	1.905,430	51.987,880	0,000	0,000	0,000	33.335,490	18.652,360
189+0,000	10,000	119,170	0,000	2.250,170	0,000	0,000	2.250,170	54.238,020	0,000	0,000	0,000	33.335,490	20.902,530
190+0,000	10,000	120,790	0,000	2.399,580	0,000	0,000	2.399,580	56.637,600	0,000	0,000	0,000	33.335,490	23.302,110
191+0,000	10,000	101,330	0,000	2.221,200	0,000	0,000	2.221,200	58.858,800	0,000	0,000	0,000	33.335,490	25.523,300
192+0,000	10,000	72,260	0,000	1.735,910	0,000	0,000	1.735,910	60.594,710	0,000	0,000	0,000	33.335,490	27.259,220
193+0,000	10,000	62,370	0,000	1.346,370	0,000	0,000	1.346,370	61.941,080	0,000	0,000	0,000	33.335,490	28.605,590
194+0,000	10,000	48,810	0,000	1.111,850	0,000	0,000	1.111,850	63.052,930	0,000	0,000	0,000	33.335,490	29.717,440
194+3,220	1,610	45,660	0,000	152,080	0,000	0,000	152,080	63.205,010	0,000	0,000	0,000	33.335,490	29.869,510
195+0,000	8,390	34,370	0,000	671,450	0,000	0,000	671,450	63.876,450	0,000	0,000	0,000	33.335,490	30.540,960
196+0,000	10,000	25,280	0,000	596,550	0,000	0,000	596,550	64.473,000	0,000	0,000	0,000	33.335,490	31.137,510
197+0,000	10,000	13,150	0,000	384,330	0,000	0,000	384,330	64.857,330	0,000	0,000	0,000	33.335,490	31.521,840
198+0,000	10,000	4,350	0,600	175,000	0,000	0,000	175,000	65.032,330	6,050	0,000	6,050	33.341,540	31.690,790
199+0,000	10,000	0,860	5,520	52,060	0,000	0,000	52,060	65.084,380	48,820	12,420	61,240	33.402,780	31.681,600
200+0,000	10,000	0,010	14,560	8,710	0,000	0,000	8,710	65.093,090	98,700	102,110	200,810	33.603,600	31.489,490
201+0,000	10,000	0,000	20,610	0,140	0,000	0,000	0,140	65.093,240	113,380	238,290	351,670	33.955,270	31.137,960
202+0,000	10,000	0,000	23,240	0,000	0,000	0,000	0,000	65.093,240	128,700	309,770	438,470	34.393,740	30.699,490
202+13,157	6,580	0,000	25,370	0,000	0,000	0,000	0,000	65.093,240	91,810	227,970	319,780	34.713,520	30.379,720
203+0,000	3,420	0,000	27,490	0,000	0,000	0,000	0,000	65.093,240	50,260	130,590	180,850	34.894,360	30.198,870
204+0,000	10,000	0,000	25,870	0,000	0,000	0,000	0,000	65.093,240	152,860	380,700	533,560	35.427,930	29.665,310
205+0,000	10,000	0,000	23,140	0,000	0,000	0,000	0,000	65.093,240	143,110	346,910	490,020	35.917,940	29.175,290
206+0,000	10,000	0,000	20,270	0,000	0,000	0,000	0,000	65.093,240	141,780	292,320	434,100	36.352,040	28.741,190
207+0,000	10,000	0,000	19,330	0,000	0,000	0,000	0,000	65.093,240	143,920	252,160	396,080	36.748,120	28.345,110
208+0,000	10,000	0,000	14,670	0,000	0,000	0,000	0,000	65.093,240	140,830	199,200	340,030	37.088,150	28.005,080
209+0,000	10,000	0,000	8,830	0,000	0,000	0,000	0,000	65.093,240	127,290	107,740	235,030	37.323,180	27.770,050
210+0,000	10,000	0,000	2,900	0,000	0,000	0,000	0,000	65.093,240	85,480	31,930	117,380	37.440,570	27.652,670
211+0,000	10,000	0,000	2,520	0,000	0,000	0,000	0,000	65.093,240	51,970	2,280	54,250	37.494,820	27.598,420
211+3,095	1,550	0,000	3,180	0,000	0,000	0,000	0,000	65.093,240	8,120	0,700	8,820	37.503,640	27.589,590
212+0,000	8,450	0,000	6,040	0,000	0,000	0,000	0,000	65.093,240	70,110	7,810	77,920	37.581,570	27.511,670
213+0,000	10,000	0,000	8,370	0,000	0,000	0,000	0,000	65.093,240	111,680	32,380	144,060	37.725,630	27.367,610
213+9,084	4,540	0,000	10,360	0,000	0,000	0,000	0,000	65.093,240	57,000	28,060	85,060	37.810,690	27.282,550
214+0,000	5,460	0,000	12,210	0,000	0,000	0,000	0,000	65.093,240	68,610	54,590	123,200	37.933,880	27.159,350
215+0,000	10,000	0,000	13,400	0,000	0,000	0,000	0,000	65.093,240	114,900	141,170	256,070	38.189,950	26.903,280
216+0,000	10,000	0,000	20,550	0,000	0,000	0,000	0,000	65.093,240	133,390	206,100	339,490	38.529,440	26.563,790
217+0,000	10,000	0,000	23,180	0,000	0,000	0,000	0,000	65.093,240	133,390	303,920	437,310	38.966,750	26.126,490
218+0,000	10,000	0,000	24,960	0,000	0,000	0,000	0,000	65.093,240	133,460	347,910	481,370	39.448,120	25.645,110
219+0,000	10,000	0,000	25,100	0,000	0,000	0,000	0,000	65.093,240	157,690	342,900	500,590	39.948,710	25.144,520
220+0,000	10,000	0,000	7,980	0,000	0,000	0,000	0,000	65.093,240	143,330	187,480	330,810	40.279,520	24.813,710
221+0,000	10,000	10,170	0,000	101,730	0,000	0,000	101,730	65.194,970	61,650	18,130	79,780	40.359,310	24.835,660
222+0,000	10,000	25,340	0,000	355,180	0,000	0,000	355,180	65.550,150	0,000	0,000	0,000	40.359,310	25.190,840
223+0,000	10,000	35,950	0,000	612,900	0,000	0,000	612,900	66.163,050	0,000	0,000	0,000	40.359,310	25.803,750
223+12,965	6,480	36,320	0,000	468,450	0,000	0,000	468,450	66.631,500	0,000	0,000	0,000	40.359,310	26.272,200
224+0,000	3,520	35,880	0,000	253,970	0,000	0,000	253,970	66.885,470	0,000	0,000	0,000	40.359,310	26.526,170
225+0,000	10,000	31,500	0,000	673,760	0,000	0,000	673,760	67.559,240	0,000	0,000	0,000	40.359,310	27.199,930
226+0,000	10,000	23,520	0,000	550,160	0,000	0,000	550,160	68.109,390	0,000	0,000	0,000	40.359,310	27.750,090
227+0,000	10,000	17,430	0,000	409,460	0,000	0,000	409,460	68.518,850	0,000	0,000	0,000	40.359,310	28.159,540
228+0,000	10,000	7,520	1,010	249,440	0,000	0,000	249,440	68.768,290	8,920	1,220	10,140	40.369,440	28.398,850
229+0,000	10,000	2,910	4,130	104,240	0,000	0,000	104,240	68.872,530	36,510	14,880	51,390	40.420,840	28.451,690
230+0,000	10,000	0,000	8,170	29,070	0,000	0,000	29,070	68.901,600	60,800	62,170	122,970	40.543,810	28.357,790
231+0,000	10,000	0,000	19,180	0,000	0,000	0,000	0,000	68.901,600	101,930	171,640	273,570	40.817,380	28.084,220
232+0,000	10,000	0,000	20,060	0,000	0,000	0,000	0,000	68.901,600	144,480	247,960	392,440	41.209,810	27.691,790
233+0,000	10,000	0,000	22,940	0,000	0,000	0,000	0,000	68.901,600	144,940	285,000	429,940	41.639,750	27.261,850
233+16,846	8,420	0,000	25,190	0,000	0,000	0,000	0,000	68.901,600	123,340	282,050	405,390	42.045,140	26.866,460
234+0,000	1,580	0,000	25,400	0,000	0,000	0,000	0,000	68.901,600	23,150	56,650	79,800	42.124,950	26.776,650
235+0,000	10,000	0,000	27,170	0,000	0,000	0,000	0,000	68.901,600	127,000	398,710	525,710	42.650,650	26.250,950
236+0,000	10,000	0,000	32,040	0,000	0,000	0,000	0,000	68.901,600	114,900	477,180	592,080	43.242,730	25.658,870
237+0,000	10,000	0,000	21,310	0,000	0,000	0,000	0,000	68.901,600	136,650	396,850	533,500	43.776,230	25.125,370
238+0,000	10,000	0,000	19,980	0,020	0,000	0,000	0,020	68.901,620	135,000	277,850	412,850	44.189,080	24.712,540
239+0,000	10,000	0,000	24,070	0,020	0,000	0,000	0,020	68.901,630	113,250	327,190	440,440	44.629,520	24.272,120
240+0,000	10,000	0,000	18,510	0,000	0,000	0,000	0,000	68.901,630	134,680	291,080	425,760	45.055,280	23.846,360
241+0,000	10,000	0,000	24,480	0,000	0,000	0,000	0,000	68.901,630	146,090	283,780	429,870	45.485,150	23.416,480
242+0,000	10,000	0,000	24,860	0,000	0,000	0,000	0,000	68.901,630	144,020	349,380	493,400	45.978,550	22.923,080
243+0,000	10,000	0,000	19,350	0,000	0,000	0,000	0,000	68.901,630	141,100	301,040	442,140	46.420,690	22.480,940
244+0,000	10,000	0,130	10,310	1,310	0,000	0,000	1,310	68.902,950	134,900	161,730	296,630	46.717,320	22.185,630
245+0,000	10,000	0,750	1,800	8,800	0,000	0,000	8,800	68.911,740	83,180	37,940	121,120	46.838,440	22.073,310
246+0,000	10,000	7,770	0,000	85,140	0,000	0,000	85,140	68.996,880	14,210	3,810	18,020	46.856,460	22.140,430
247+0,000	10,000	21,810	0,000	295,710	0,000	0,000	295,710	69.292,590					



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)						
							Vol. Acum. Corte (m³)						
249+0,000	10,000	24,670	0,000	521,660	0,000	0,000	521,660	70.307,230	0,000	0,000	46.856,460	23.450,770	
249+18,886	9,440	22,290	0,000	443,440	0,000	0,000	443,440	70.750,670	0,000	0,000	46.856,460	23.894,210	
250+0,000	0,560	22,360	0,000	24,880	0,000	0,000	24,880	70.775,540	0,000	0,000	46.856,460	23.919,090	
250+18,636	9,320	18,190	0,000	377,860	0,000	0,000	377,860	71.153,410	0,000	0,000	46.856,460	24.296,950	
251+0,000	0,680	17,330	0,000	24,240	0,000	0,000	24,240	71.177,640	0,000	0,000	46.856,460	24.321,180	
251+0,636	0,320	17,080	0,000	10,940	0,000	0,000	10,940	71.188,580	0,000	0,000	46.856,460	24.332,120	
252+0,000	9,680	13,440	0,000	295,520	0,000	0,000	295,520	71.484,100	0,000	0,000	46.856,460	24.627,650	
252+2,386	1,190	12,800	0,000	31,300	0,000	0,000	31,300	71.515,400	0,000	0,000	46.856,460	24.658,940	
253+0,000	8,810	12,380	0,000	221,610	0,000	0,000	221,610	71.737,010	0,000	0,000	46.856,460	24.880,560	
253+18,636	9,320	10,310	0,000	210,920	0,000	0,000	210,920	71.947,930	0,000	0,000	46.856,460	25.091,480	
254+0,000	0,680	9,930	0,000	13,810	0,000	0,000	13,810	71.961,740	0,000	0,000	46.856,460	25.105,290	
255+0,000	10,000	5,650	0,210	154,570	0,000	0,000	154,570	72.116,320	2,110	0,000	46.858,560	25.257,750	
256+0,000	10,000	3,520	2,010	90,290	0,000	0,000	90,290	72.206,610	20,810	1,820	46.881,190	25.325,420	
257+0,000	10,000	6,430	3,430	97,760	0,000	0,000	97,760	72.304,370	41,780	13,650	46.936,620	25.367,750	
258+0,000	10,000	10,650	0,000	168,770	0,000	0,000	168,770	72.473,150	23,110	11,830	46.971,570	25.501,580	
259+0,000	10,000	15,540	0,000	259,660	0,000	0,000	259,660	72.732,810	0,030	0,000	46.971,590	25.761,220	
260+0,000	10,000	22,710	0,000	379,860	0,000	0,000	379,860	73.112,670	0,000	0,000	46.971,590	26.141,080	
261+0,000	10,000	30,480	0,000	528,940	0,000	0,000	528,940	73.641,610	0,000	0,000	46.971,590	26.670,020	
261+6,227	3,110	31,450	0,000	191,790	0,000	0,000	191,790	73.833,400	0,000	0,000	46.971,590	26.861,810	
262+0,000	6,890	31,950	0,000	434,200	0,000	0,000	434,200	74.267,600	0,000	0,000	46.971,590	27.296,010	
263+0,000	10,000	34,280	0,000	658,980	0,000	0,000	658,980	74.926,580	0,000	0,000	46.971,590	27.954,990	
264+0,000	10,000	35,090	0,000	690,750	0,000	0,000	690,750	75.617,330	0,000	0,000	46.971,590	28.645,740	
265+0,000	10,000	34,460	0,000	693,000	0,000	0,000	693,000	76.310,390	0,000	0,000	46.971,590	29.338,740	
266+0,000	10,000	31,090	0,000	652,750	0,000	0,000	652,750	76.963,080	0,000	0,000	46.971,590	29.991,490	
267+0,000	10,000	16,480	7,710	471,730	0,000	0,000	471,730	77.434,810	20,730	57,760	47.050,080	30.384,730	
268+0,000	10,000	3,280	12,630	194,600	0,000	0,000	194,600	77.629,410	67,330	138,200	47.255,610	30.373,800	
268+13,819	6,910	0,000	21,440	22,200	0,000	0,000	22,200	77.651,610	74,380	161,990	47.491,980	30.159,630	
269+0,000	3,090	0,000	29,080	0,000	0,000	0,000	0,000	77.651,610	42,680	113,720	47.648,380	30.003,230	
270+0,000	10,000	0,000	42,110	0,000	0,000	0,000	0,000	77.651,610	136,390	575,750	47.812,680	29.291,090	
270+10,069	5,030	0,000	47,700	0,000	0,000	0,000	0,000	77.651,610	89,230	382,940	48.112,680	28.838,930	
271+0,000	4,970	0,000	48,410	0,000	0,000	0,000	0,000	77.651,610	67,790	409,430	48.289,900	28.361,710	
271+11,819	5,910	0,000	47,720	0,000	0,000	0,000	0,000	77.651,610	68,340	499,720	48.857,960	27.793,650	
271+13,819	1,000	0,000	47,550	0,000	0,000	0,000	0,000	77.651,610	13,580	81,690	49.953,230	27.698,380	
272+0,000	3,090	0,000	45,720	0,000	0,000	0,000	0,000	77.651,610	41,980	246,290	50.241,500	27.410,110	
272+13,569	6,780	0,000	42,310	0,000	0,000	0,000	0,000	77.651,610	77,950	519,280	50.838,730	26.812,870	
273+0,000	3,220	0,000	42,420	0,000	0,000	0,000	0,000	77.651,610	43,740	228,680	51.111,170	26.540,440	
274+0,000	10,000	0,000	61,650	0,000	0,000	0,000	0,000	77.651,610	161,580	879,080	52.151,810	25.499,800	
275+0,000	10,000	0,000	28,800	0,000	0,000	0,000	0,000	77.651,610	158,800	745,730	53.066,350	24.595,260	
276+0,000	10,000	0,000	22,230	0,000	0,000	0,000	0,000	77.651,610	149,040	361,320	53.566,710	24.084,900	
277+0,000	10,000	0,000	18,490	0,000	0,000	0,000	0,000	77.651,610	145,130	262,030	53.973,870	23.677,740	
278+0,000	10,000	0,000	13,050	0,000	0,000	0,000	0,000	77.651,610	142,100	173,270	54.289,240	23.362,370	
279+0,000	10,000	0,000	5,610	0,000	0,000	0,000	0,000	77.651,610	108,840	77,820	54.475,910	23.175,700	
280+0,000	10,000	1,210	0,010	12,080	0,000	0,000	12,080	77.663,690	38,730	17,510	54.532,150	23.131,540	
281+0,000	10,000	5,850	0,000	70,610	0,000	0,000	70,610	77.734,290	0,070	0,030	54.532,250	23.202,050	
282+0,000	10,000	7,820	0,000	136,770	0,000	0,000	136,770	77.871,070	0,000	0,000	54.532,250	23.338,820	
283+0,000	10,000	9,080	0,000	169,050	0,000	0,000	169,050	78.040,120	0,000	0,000	54.532,250	23.507,870	
283+18,050	9,020	11,390	0,000	184,710	0,000	0,000	184,710	78.224,830	0,000	0,000	54.532,250	23.692,580	
284+0,000	0,980	11,450	0,000	22,270	0,000	0,000	22,270	78.247,100	0,000	0,000	54.532,250	23.714,850	
284+17,800	8,900	11,390	0,000	203,200	0,000	0,000	203,200	78.450,300	0,000	0,000	54.532,250	23.918,050	
284+19,800	1,000	11,150	0,000	22,540	0,000	0,000	22,540	78.472,840	0,000	0,000	54.532,250	23.940,590	
285+0,000	0,100	11,100	0,000	2,230	0,000	0,000	2,230	78.475,070	0,000	0,000	54.532,250	23.942,820	
286+0,000	10,000	9,750	0,000	208,550	0,000	0,000	208,550	78.683,620	0,000	0,000	54.532,250	24.151,370	
286+1,550	0,770	9,560	0,000	14,970	0,000	0,000	14,970	78.698,590	0,000	0,000	54.532,250	24.166,340	
287+0,000	9,230	6,520	0,000	148,250	0,000	0,000	148,250	78.846,830	0,000	0,000	54.532,250	24.314,590	
287+17,800	8,900	1,620	0,280	72,180	0,000	0,000	72,180	78.919,020	1,690	0,860	54.534,800	24.384,220	
288+0,000	1,100	1,170	0,220	3,070	0,000	0,000	3,070	78.922,090	0,450	0,100	54.535,350	24.386,740	
289+0,000	10,000	0,730	3,800	18,820	0,000	0,000	18,820	78.940,900	40,290	0,000	54.575,640	24.365,270	
289+17,160	8,580	5,080	6,720	48,740	0,000	0,000	48,740	79.989,640	70,440	20,390	54.666,470	24.323,170	
290+0,000	1,420	4,890	7,340	14,160	0,000	0,000	14,160	79.003,800	12,500	7,460	54.686,420	24.317,380	
291+0,000	10,000	0,670	11,450	54,330	0,000	0,000	54,330	79.058,130	103,560	85,740	54.875,730	24.182,400	
291+16,521	8,260	0,000	14,260	5,370	0,000	0,000	5,370	79.063,500	118,100	95,860	55.089,680	23.973,820	
292+0,000	1,740	0,000	15,160	0,000	0,000	0,000	0,000	79.063,500	25,080	26,120	55.140,860	23.922,640	
293+0,000	10,000	0,000	17,820	0,000	0,000	0,000	0,000	79.063,500	140,000	192,710	55.473,570	23.589,930	
293+12,771	6,390	0,000	19,930	0,000	0,000	0,000	0,000	79.063,500	94,550	147,760	55.715,880	23.347,620	
294+0,000	3,610	0,000	19,570	0,000	0,000	0,000	0,000	79.063,500	53,010	89,780	55.858,670	23.204,830	
294+14,521	7,260	0,000	17,420	0,000	0,000	0,000	0,000	79.063,500	105,220	163,360	56.127,260	22.936,240	
294+16,521	1,000	0,000	16,840	0,000	0,000	0,000	0,000	79.063,500	12,490	21,770	56.161,520	22.901,980	
295+0,000	1,740	0,000	16,190	0,000	0,000	0,000	0,000	79.063,500	19,990	37,470	56.218,980	22.844,520	
295+16,271	8,140	0,000	14,130	0,000	0,000	0,000	0,000	79.063,500	106,120	140,490	56.465,590	22.597,910	
296+0,000	1,860	0,000	14,290	0,000	0,000	0,000	0,000	79.063,500	27,270	25,710	56.518,570	22.544,930	
297+0,000	10,000	0,000	10,840	0,000	0,000	0,000	0,000	79.063,500	133,620	117,680	56.769,860	22.293,640	

Engenheiro
 Responsável Técnica
 Engenheiro Everaldo Tadeu Bezerra de Castro
 CREA-MT 1205190473

Engenheiro
 Coordenador
 Fabrício Henrique Eufrazio Segura
 Engenheiro Civil
 CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km



HASH: 419ba5b9b991a102089c874bb55ae14324a0426bcb1e675a6f6a5176c4. Documento assinado digitalmente, valide em <https://requisitos.seplag.mt.gov.br/validar-pub/#/validar/AV2L-9E7E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
298+0,000	10,000	1,210	2,160	12,090	0,000	0,000	12,090	79.075,590	75,440	54,630	130,070	56.899,940	22.175,650
299+0,000	10,000	2,010	0,790	32,210	0,000	0,000	32,210	79.107,800	22,950	6,540	29,490	56.929,430	22.178,370
300+0,000	10,000	5,980	0,000	79,880	0,000	0,000	79,880	79.187,680	7,880	0,000	7,880	56.937,290	22.250,390
301+0,000	10,000	5,130	0,000	111,100	0,000	0,000	111,100	79.298,780	0,000	0,000	0,000	56.937,290	22.361,500
302+0,000	10,000	6,380	0,000	115,160	0,000	0,000	115,160	79.413,950	0,000	0,000	0,000	56.937,290	22.476,660
303+0,000	10,000	6,150	0,520	125,360	0,000	0,000	125,360	79.539,300	4,850	0,380	5,230	56.942,510	22.596,790
304+0,000	10,000	12,210	0,000	183,680	0,000	0,000	183,680	79.722,990	4,850	0,380	5,230	56.947,740	22.775,250
305+0,000	10,000	11,100	0,000	233,190	0,000	0,000	233,190	79.956,180	0,000	0,000	0,000	56.947,740	23.008,440
306+0,000	10,000	12,930	0,000	240,380	0,000	0,000	240,380	80.196,560	0,000	0,000	0,000	56.947,740	23.248,820
307+0,000	10,000	13,600	0,000	265,370	0,000	0,000	265,370	80.461,930	0,000	0,000	0,000	56.947,740	23.514,190
308+0,000	10,000	11,090	0,000	246,960	0,000	0,000	246,960	80.708,890	0,000	0,000	0,000	56.947,740	23.761,150
309+0,000	10,000	6,600	0,000	176,970	0,000	0,000	176,970	80.885,870	0,000	0,000	0,000	56.947,740	23.938,130
310+0,000	10,000	1,000	0,940	76,000	0,000	0,000	76,000	80.961,860	7,100	2,330	9,430	56.957,160	24.004,700
311+0,000	10,000	0,000	5,880	9,960	0,000	0,000	9,960	80.971,820	63,770	4,470	68,240	57.025,410	23.946,410
311+18,570	9,280	0,000	8,100	0,000	0,000	0,000	0,000	80.971,820	113,700	16,080	129,780	57.155,180	23.816,630
312+0,000	0,720	0,000	8,150	0,000	0,000	0,000	0,000	80.971,820	9,440	2,180	11,620	57.166,800	23.805,010
312+18,320	9,160	0,000	10,840	0,000	0,000	0,000	0,000	80.971,820	113,290	60,650	173,940	57.340,750	23.631,070
313+0,000	0,840	0,000	11,020	0,000	0,000	0,000	0,000	80.971,820	10,640	7,720	18,360	57.359,110	23.612,710
313+0,320	0,160	0,000	11,050	0,000	0,000	0,000	0,000	80.971,820	2,030	1,500	3,530	57.362,640	23.609,180
314+0,000	9,840	0,000	14,300	0,000	0,000	0,000	0,000	80.971,820	114,260	135,120	249,380	57.612,020	23.359,800
314+2,070	1,030	0,000	14,240	0,000	0,000	0,000	0,000	80.971,820	13,210	16,320	29,530	57.641,550	23.330,270
315+0,000	8,970	0,000	14,810	0,000	0,000	0,000	0,000	80.971,820	115,430	145,630	261,060	57.902,610	23.069,210
315+18,320	9,160	0,000	18,400	0,000	0,000	0,000	0,000	80.971,820	117,890	187,520	305,410	58.208,020	22.763,800
316+0,000	0,840	0,000	18,430	0,000	0,000	0,000	0,000	80.971,820	11,490	19,460	30,950	58.238,970	22.732,850
317+0,000	10,000	0,000	22,010	0,000	0,000	0,000	0,000	80.971,820	136,440	270,160	406,600	58.645,560	22.326,250
318+0,000	10,000	0,030	19,670	0,320	0,000	0,000	0,320	80.972,130	123,170	297,100	420,270	59.065,840	21.906,300
318+16,115	8,060	0,000	18,510	0,250	0,000	0,000	0,250	80.972,390	92,830	218,180	311,010	59.376,850	21.595,540
319+0,000	1,940	0,000	19,710	0,000	0,000	0,000	0,000	80.972,390	23,850	50,380	74,230	59.451,080	21.521,310
320+0,000	10,000	0,000	25,300	0,000	0,000	0,000	0,000	80.972,390	133,000	320,410	453,410	59.904,500	21.067,890
321+0,000	10,000	0,000	23,910	0,000	0,000	0,000	0,000	80.972,390	150,160	344,640	494,800	60.399,290	20.573,090
321+13,911	6,960	0,000	19,670	0,000	0,000	0,000	0,000	80.972,390	97,450	207,430	304,880	60.704,180	20.268,210
322+0,000	3,040	0,000	17,130	0,000	0,000	0,000	0,000	80.972,390	41,490	71,200	112,690	60.816,860	20.155,530
323+0,000	10,000	0,000	6,060	0,000	0,000	0,000	0,000	80.972,390	116,540	116,570	233,110	61.049,970	19.922,420
323+0,161	5,080	1,630	1,090	8,200	0,000	0,000	8,200	80.980,590	26,340	10,190	36,530	61.086,500	19.894,100
324+0,000	4,920	8,210	0,000	48,370	0,000	0,000	48,370	81.028,960	5,120	0,260	5,380	61.091,880	19.937,090
324+11,911	5,960	18,290	0,000	157,770	0,000	0,000	157,770	81.186,740	0,000	0,000	0,000	61.091,880	20.094,860
324+13,911	1,000	19,530	0,000	37,810	0,000	0,000	37,810	81.224,550	0,000	0,000	0,000	61.091,880	20.132,670
325+0,000	3,040	23,780	0,000	131,850	0,000	0,000	131,850	81.356,400	0,000	0,000	0,000	61.091,880	20.264,520
325+13,661	6,830	28,320	0,000	355,860	0,000	0,000	355,860	81.712,260	0,000	0,000	0,000	61.091,880	20.620,380
326+0,000	3,170	29,460	0,000	183,120	0,000	0,000	183,120	81.895,370	0,000	0,000	0,000	61.091,880	20.803,500
327+0,000	10,000	28,170	0,000	576,250	0,000	0,000	576,250	82.471,620	0,000	0,000	0,000	61.091,880	21.379,740
328+0,000	10,000	29,470	0,000	576,330	0,000	0,000	576,330	83.047,950	0,000	0,000	0,000	61.091,880	21.956,080
329+0,000	10,000	30,850	0,000	603,140	0,000	0,000	603,140	83.651,090	0,000	0,000	0,000	61.091,880	22.559,220
330+0,000	10,000	34,170	0,000	650,150	0,000	0,000	650,150	84.301,240	0,000	0,000	0,000	61.091,880	23.209,360
331+0,000	10,000	35,900	0,000	700,700	0,000	0,000	700,700	85.001,930	0,000	0,000	0,000	61.091,880	23.910,060
332+0,000	10,000	29,280	0,000	651,810	0,000	0,000	651,810	85.653,750	0,000	0,000	0,000	61.091,880	24.561,870
333+0,000	10,000	19,190	0,000	484,690	0,000	0,000	484,690	86.138,430	0,000	0,000	0,000	61.091,880	25.046,560
334+0,000	10,000	8,050	0,000	272,350	0,000	0,000	272,350	86.410,780	0,000	0,000	0,000	61.091,880	25.318,910
335+0,000	10,000	0,000	3,100	80,510	0,000	0,000	80,510	86.491,290	30,960	0,000	30,960	61.122,840	25.368,450
336+0,000	10,000	0,000	11,340	0,050	0,000	0,000	0,050	86.491,340	100,390	43,970	144,360	61.267,200	25.224,140
337+0,000	10,000	0,000	17,510	0,000	0,000	0,000	0,000	86.491,340	126,870	161,630	288,500	61.555,700	24.935,640
338+0,000	10,000	0,000	28,770	0,000	0,000	0,000	0,000	86.491,340	114,900	347,910	462,810	62.018,510	24.472,830
339+0,000	10,000	0,000	47,360	0,000	0,000	0,000	0,000	86.491,340	114,900	646,410	761,310	62.779,830	23.711,510
340+0,000	10,000	0,000	4,540	0,000	0,000	0,000	0,000	86.491,340	88,020	431,030	519,050	63.298,870	23.192,470
341+0,000	10,000	8,260	0,000	82,560	0,000	0,000	82,560	86.573,890	30,570	14,870	45,440	63.344,310	23.229,580
342+0,000	10,000	28,480	0,000	367,370	0,000	0,000	367,370	86.941,260	0,000	0,000	0,000	63.344,310	23.596,960
343+0,000	10,000	51,430	0,000	799,090	0,000	0,000	799,090	87.740,350	0,000	0,000	0,000	63.344,310	24.396,040
344+0,000	10,000	68,710	0,000	1.201,380	0,000	0,000	1.201,380	88.941,730	0,000	0,000	0,000	63.344,310	25.597,420
345+0,000	10,000	88,140	0,000	1.568,470	0,000	0,000	1.568,470	90.510,200	0,000	0,000	0,000	63.344,310	27.165,890
346+0,000	10,000	101,610	0,000	1.897,420	0,000	0,000	1.897,420	92.407,620	0,000	0,000	0,000	63.344,310	29.063,310
347+0,000	10,000	104,880	0,000	2.064,810	0,000	0,000	2.064,810	94.472,430	0,000	0,000	0,000	63.344,310	31.128,120
348+0,000	10,000	92,640	0,000	1.975,120	0,000	0,000	1.975,120	96.447,550	0,000	0,000	0,000	63.344,310	33.103,240
349+0,000	10,000	71,130	0,000	1.637,630	0,000	0,000	1.637,630	98.085,180	0,000	0,000	0,000	63.344,310	34.740,870
350+0,000	10,000	46,800	0,000	1.179,290	0,000	0,000	1.179,290	99.264,470	0,000	0,000	0,000	63.344,310	35.920,160
351+0,000	10,000	26,050	0,000	728,520	0,000	0,000	728,520	99.993,000	0,000	0,000	0,000	63.344,310	36.648,690
352+0,000	10,000	7,630	0,000	336,800	0,000	0,000	336,800	100.329,790	0,000	0,000	0,000	63.344,310	36.985,480
353+0,000	10,000	0,000	4,130	76,300	0,000	0,000	76,300	100.406,090	36,980	4,280	41,260	63.385,570	37.020,530
354+0,000	10,000	0,000	11,510	0,000	0,000	0,000	0,000	100.406,090	106,140	50,170	156,310	63.541,880	36.864,210
355+0,000	10,000	0,000	23,050	0,000	0,000	0,000	0,000	100.406,090	126,620	218,950	345,570	63.887,450	36.518,650
356+0,000	10,000	0,000	27,720	0,000	0,000	0,000	0,000	100.406,090	114,900	392,770	507,670	64.395,120	36.010,970
357+0,000	10,000	0,000	22,800	0,000	0,000	0,000	0,000	100.406,					



Volume de Terraplenagem da MT-388

Table with columns: Estaca, Semi Distância (m), Área de Corte (m²), Área de Aterro (m²), Volume de Corte (m³) (1° Cat., 2° Cat., 3° Cat., de Total), Vol. Acum. Corte (m³), Volume Camada Final (m³), Volume Corpo de Aterro (m³), Volume Total do Aterro (m³), Vol. Acum. Aterro (m³), Dif. Vol. Acum. (m³)

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Responsável Técnica: Engenheiro Everaldo Tadeu Bezerra de Castro
CREA-MT 1205190473

Coordenador: Fabrício Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-2



HASH: 419ba5b9b991a102089c874bb55ac14324a0426bcb1e675ac8af5a176c4. Documento assinado digitalmente, valide em https://aquilicosos.seplag.mt.gov.br/flowbee-pub/#/validar/4W2L-9E7E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA-PRO-2025/18731-1375





Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)	
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						Vol. Acum. Corte (m³)
413+0.000	10,000	0,000	36,670	0,000	0,000	0,000	0,000	116.702,810	155,450	590,900	746,350	76.780,380	39.922,430
414+0.000	10,000	0,000	36,170	0,000	0,000	0,000	0,000	116.702,810	178,470	553,270	731,740	77.512,120	39.190,690
415+0.000	10,000	0,000	34,950	0,000	0,000	0,000	0,000	116.702,810	190,010	524,160	714,170	78.226,290	38.476,520
415+10,960	5,480	0,000	39,290	0,000	0,000	0,000	0,000	116.702,810	84,500	323,670	408,170	78.634,460	38.068,350
416+0.000	4,520	0,000	42,660	0,000	0,000	0,000	0,000	116.702,810	71,270	300,120	371,390	79.005,850	37.696,960
417+0.000	10,000	0,000	40,670	0,000	0,000	0,000	0,000	116.702,810	173,390	662,490	835,880	79.841,730	36.861,080
418+0.000	10,000	0,000	51,970	0,000	0,000	0,000	0,000	116.702,810	178,030	750,980	929,010	80.770,740	35.932,070
419+0.000	10,000	0,000	68,560	0,000	0,000	0,000	0,000	116.702,810	162,330	1.045,450	1.207,780	81.978,520	34.724,290
420+0.000	10,000	0,000	28,860	0,000	0,000	0,000	0,000	116.702,810	119,700	856,830	976,530	82.955,050	33.747,760
421+0.000	10,000	0,000	32,200	0,000	0,000	0,000	0,000	116.702,810	119,700	495,090	614,790	83.569,840	33.132,970
422+0.000	10,000	0,000	26,190	0,000	0,000	0,000	0,000	116.702,810	130,100	458,660	588,760	84.158,600	32.544,210
422+17,555	8,780	0,000	16,590	0,000	0,000	0,000	0,000	116.702,810	137,150	240,410	377,560	84.536,160	32.166,650
423+0.000	1,220	0,000	15,980	0,000	0,000	0,000	0,000	116.702,810	21,030	18,800	39,830	84.575,990	32.126,820
424+0.000	10,000	0,000	9,340	0,000	0,000	0,000	0,000	116.702,810	164,710	88,830	253,540	84.829,530	31.873,280
424+1,992	1,000	0,000	7,950	0,000	0,000	0,000	0,000	116.702,810	13,790	3,420	17,210	84.846,740	31.856,070
425+0.000	9,000	2,850	0,430	25,690	0,000	0,000	25,690	116.728,500	55,040	20,340	75,380	84.922,120	31.806,380
425+3,555	1,780	3,900	0,150	12,000	0,000	0,000	12,000	116.740,500	0,480	0,560	1,040	84.923,160	31.817,340
425+17,555	7,000	10,610	0,000	101,590	0,000	0,000	101,590	116.842,090	1,060	0,000	1,060	84.924,220	31.917,870
426+0.000	1,220	11,250	0,000	26,730	0,000	0,000	26,730	116.868,820	0,000	0,000	0,000	84.924,220	31.944,600
426+5,117	2,560	13,610	0,000	63,600	0,000	0,000	63,600	116.932,420	0,000	0,000	0,000	84.924,220	32.008,200
427+0.000	7,440	15,320	0,000	215,260	0,000	0,000	215,260	117.147,680	0,000	0,000	0,000	84.924,220	32.223,460
428+0.000	10,000	16,600	0,000	319,200	0,000	0,000	319,200	117.466,880	0,000	0,000	0,000	84.924,220	32.542,660
429+0.000	10,000	20,610	0,000	372,140	0,000	0,000	372,140	117.839,020	0,000	0,000	0,000	84.924,220	32.914,800
430+0.000	10,000	22,990	0,000	436,030	0,000	0,000	436,030	118.275,050	0,000	0,000	0,000	84.924,220	33.350,830
431+0.000	10,000	24,350	0,000	473,460	0,000	0,000	473,460	118.748,510	0,000	0,000	0,000	84.924,220	33.824,290
432+0.000	10,000	21,580	0,000	459,340	0,000	0,000	459,340	119.207,850	0,000	0,000	0,000	84.924,220	34.283,630
433+0.000	10,000	18,890	0,000	404,650	0,000	0,000	404,650	119.612,500	0,000	0,000	0,000	84.924,220	34.688,280
434+0.000	10,000	17,910	0,000	367,990	0,000	0,000	367,990	119.980,490	0,000	0,000	0,000	84.924,220	35.056,270
435+0.000	10,000	23,440	0,000	413,490	0,000	0,000	413,490	120.393,980	0,000	0,000	0,000	84.924,220	35.469,760
436+0.000	10,000	17,810	0,000	412,480	0,000	0,000	412,480	120.806,460	0,000	0,000	0,000	84.924,220	35.882,240
437+0.000	10,000	11,820	0,000	296,340	0,000	0,000	296,340	121.102,800	0,000	0,000	0,000	84.924,220	36.178,580
438+0.000	10,000	7,220	0,000	190,410	0,000	0,000	190,410	121.293,210	0,000	0,000	0,000	84.924,220	36.368,990
439+0.000	10,000	1,730	0,000	89,500	0,000	0,000	89,500	121.382,710	0,000	0,000	0,000	84.924,220	36.458,490
440+0.000	10,000	0,000	3,240	17,310	0,000	0,000	17,310	121.400,020	31,010	1,340	32,350	84.926,570	36.443,450
441+0.000	10,000	1,580	3,110	15,830	0,000	0,000	15,830	121.415,850	62,070	1,420	63,490	85.020,060	36.395,790
442+0.000	10,000	2,920	2,170	44,990	0,000	0,000	44,990	121.460,800	50,790	2,100	52,890	85.022,950	36.387,890
443+0.000	10,000	3,560	1,150	64,720	0,000	0,000	64,720	121.525,560	31,230	2,020	33,250	85.106,200	36.419,360
444+0.000	10,000	4,910	0,540	84,690	0,000	0,000	84,690	121.610,250	16,920	0,000	16,920	85.123,120	36.487,130
445+0.000	10,000	2,930	0,030	78,470	0,000	0,000	78,470	121.688,720	5,710	0,000	5,710	85.128,830	36.559,890
446+0.000	10,000	0,000	6,130	29,340	0,000	0,000	29,340	121.718,060	61,580	0,000	61,580	85.190,410	36.527,650
447+0.000	10,000	0,000	10,660	0,000	0,000	0,000	0,000	121.718,060	139,180	28,730	167,910	85.358,320	36.359,740
448+0.000	10,000	0,000	10,000	0,000	0,000	0,000	0,000	121.718,060	157,280	49,340	206,620	85.564,940	36.153,120
449+0.000	10,000	0,000	20,440	0,000	0,000	0,000	0,000	121.718,060	165,070	139,280	304,350	85.869,290	35.848,770
450+0.000	10,000	0,000	29,390	0,000	0,000	0,000	0,000	121.718,060	175,480	322,730	498,210	86.367,500	35.350,560
451+0.000	10,000	0,000	37,620	0,000	0,000	0,000	0,000	121.718,060	182,740	487,300	670,040	87.037,540	34.680,520
452+0.000	10,000	0,000	42,100	0,000	0,000	0,000	0,000	121.718,060	150,390	646,830	797,220	87.834,760	33.883,300
453+0.000	10,000	0,000	44,020	0,000	0,000	0,000	0,000	121.718,060	135,760	725,480	861,240	88.696,000	33.022,060
454+0.000	10,000	0,000	52,190	0,000	0,000	0,000	0,000	121.718,060	182,240	779,890	962,130	89.658,130	32.059,930
455+0.000	10,000	0,000	52,960	0,000	0,000	0,000	0,000	121.718,060	187,240	864,290	1.051,530	90.709,660	31.008,400
456+0.000	10,000	0,000	47,290	0,000	0,000	0,000	0,000	121.718,060	166,260	836,240	1.002,500	91.712,160	30.005,900
456+4,848	2,420	0,000	47,800	0,000	0,000	0,000	0,000	121.718,060	44,460	186,030	230,490	91.942,650	29.775,410
457+0.000	7,580	0,000	48,720	0,000	0,000	0,000	0,000	121.718,060	152,490	578,780	731,270	92.673,920	29.044,140
458+0.000	10,000	0,000	46,630	0,000	0,000	0,000	0,000	121.718,060	199,370	754,070	953,440	93.627,360	28.090,700
459+0.000	10,000	0,000	37,730	0,000	0,000	0,000	0,000	121.718,060	191,470	652,060	843,530	94.470,890	27.247,170
460+0.000	10,000	0,000	17,500	0,000	0,000	0,000	0,000	121.718,060	179,050	373,270	552,320	95.023,210	26.694,850
461+0.000	10,000	4,080	0,000	28,532	12,228	0,000	40,760	121.758,820	86,160	88,870	175,030	95.198,240	26.560,580
462+0.000	10,000	7,530	0,000	81,263	34,827	0,000	116,090	121.874,910	0,000	0,000	0,000	95.198,240	26.676,670
463+0.000	10,000	22,630	0,000	211,134	90,486	0,000	301,620	122.176,530	0,000	0,000	0,000	95.198,240	26.978,290
464+0.000	10,000	40,080	0,000	438,977	188,133	0,000	627,110	122.803,640	0,000	0,000	0,000	95.198,240	27.605,400
465+0.000	10,000	55,230	0,000	667,191	285,939	0,000	953,130	123.756,770	0,000	0,000	0,000	95.198,240	28.558,530
466+0.000	10,000	72,480	0,000	893,963	383,127	0,000	1.277,090	125.033,860	0,000	0,000	0,000	95.198,240	29.835,620
467+0.000	10,000	82,430	0,000	1.084,328	464,712	0,000	1.549,040	126.582,900	0,000	0,000	0,000	95.198,240	31.384,660
468+0.000	10,000	72,400	0,000	1.083,782	464,478	0,000	1.548,260	128.131,160	0,000	0,000	0,000	95.198,240	32.932,920
469+0.000	10,000	58,280	0,000	914,760	392,040	0,000	1.306,800	129.437,960	0,000	0,000	0,000	95.198,240	34.239,720
470+0.000	10,000	44,600	0,000	720,181	308,649	0,000	1.028,830	130.466,790	0,000	0,000	0,000	95.198,240	35.268,550
470+15,411	7,710	30,790	0,000	406,693	174,297	0,000	580,990	131.047,780	0,000	0,000	0,000	95.198,240	35.849,540
471+0.000	2,290	28,120	0,000	94,619	40,551	0,000	135,170	131.182,950	0,000	0,000	0,000	95.198,240	35.984,710
472+0.000	10,000	25,230	0,000	373,436	160,044	0,000	533,480	131.716,430	0,000	0,000	0,000	95.198,240	36.518,190
473+0.000	10,000	22,820	0,000	336,322	144,138	0,000	480,460	132.196,890	0,000	0,000	0,000	95.198,240	36.998,650
474+0.000	10,000	14,310	0,000	259,938	111,402	0,000	371,340	132.568,230	0,000	0,000	0,000	95.198,240	37.369,990
475+0.000	10,0												



Volume de Terraplenagem da MT-388

Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)	
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
476+0,000	10,000	0,000	23,240	21,150	0,000	0,000	21,150	132.753,660	89,280	169,110	258,390	95,482,620	37,271,040
477+0,000	10,000	0,000	22,050	0,000	0,000	0,000	0,000	132.753,660	127,840	325,100	452,940	95,935,560	36,818,100
478+0,000	10,000	0,000	19,780	0,000	0,000	0,000	0,000	132.753,660	129,930	288,430	418,360	96,353,920	36,399,740
479+0,000	10,000	0,000	17,000	0,000	0,000	0,000	0,000	132.753,660	155,340	212,490	367,830	96,721,750	36,031,910
480+0,000	10,000	0,000	13,620	0,000	0,000	0,000	0,000	132.753,660	163,910	142,310	306,220	97,027,970	35,725,690
481+0,000	10,000	0,000	11,470	0,000	0,000	0,000	0,000	132.753,660	152,600	98,350	250,950	97,278,920	35,474,740
482+0,000	10,000	2,780	5,800	27,760	0,000	0,000	27,760	132.781,420	115,050	57,710	172,760	97,451,680	35,329,740
483+0,000	10,000	5,730	2,250	85,090	0,000	0,000	85,090	132.866,510	62,720	17,820	80,540	97,532,220	35,334,290
484+0,000	10,000	17,870	0,000	236,060	0,000	0,000	236,060	133.102,570	19,210	3,290	22,500	97,554,720	35,547,850
485+0,000	10,000	21,230	0,000	391,020	0,000	0,000	391,020	133.493,590	0,000	0,000	0,000	97,554,720	35,938,870
485+5,975	2,990	22,010	0,000	129,190	0,000	0,000	129,190	133.622,780	0,000	0,000	0,000	97,554,720	36,068,060
486+0,000	7,010	21,330	0,000	303,980	0,000	0,000	303,980	133.926,760	0,000	0,000	0,000	97,554,720	36,372,040
486+11,918	0,000	16,350	0,000	224,600	0,000	0,000	224,600	134.151,360	0,000	0,000	0,000	97,554,720	36,596,640
487+0,000	4,400	13,580	0,000	120,940	0,000	0,000	120,940	134.272,300	0,000	0,000	0,000	97,554,720	36,717,580
488+0,000	10,000	9,370	0,000	229,440	0,000	0,000	229,440	134.501,740	0,000	0,000	0,000	97,554,720	36,947,020
489+0,000	10,000	6,700	0,000	160,710	0,000	0,000	160,710	134.662,450	0,000	0,000	0,000	97,554,720	37,107,730
490+0,000	10,000	4,640	0,000	113,480	0,000	0,000	113,480	134.775,930	0,000	0,000	0,000	97,554,720	37,221,210
491+0,000	10,000	2,790	0,000	74,360	0,000	0,000	74,360	134.850,290	0,000	0,000	0,000	97,554,720	37,295,570
492+0,000	10,000	4,900	0,000	76,860	0,000	0,000	76,860	134.927,150	0,000	0,000	0,000	97,554,720	37,372,430
493+0,000	10,000	6,730	0,000	116,230	0,000	0,000	116,230	135.043,380	0,000	0,000	0,000	97,554,720	37,488,660
494+0,000	10,000	4,490	0,000	112,150	0,000	0,000	112,150	135.155,530	0,000	0,000	0,000	97,554,720	37,600,810
495+0,000	10,000	1,210	1,050	57,000	0,000	0,000	57,000	135.212,530	10,460	0,000	10,460	97,565,180	37,647,350
496+0,000	10,000	0,630	1,330	18,460	0,000	0,000	18,460	135.230,990	22,100	1,680	23,780	97,588,960	37,642,030
497+0,000	10,000	0,000	6,450	6,340	0,000	0,000	6,340	135.237,330	64,800	13,040	77,840	97,666,800	37,570,530
498+0,000	10,000	0,000	15,800	0,000	0,000	0,000	0,000	135.237,330	110,600	111,900	222,500	97,889,300	37,348,030
499+0,000	10,000	0,000	17,430	0,000	0,000	0,000	0,000	135.237,330	126,420	205,820	332,240	98,221,540	37,015,790
500+0,000	10,000	0,000	19,580	0,000	0,000	0,000	0,000	135.237,330	141,710	228,380	370,090	98,591,630	36,645,700
501+0,000	10,000	0,000	18,330	0,000	0,000	0,000	0,000	135.237,330	130,200	248,920	379,120	98,970,750	36,266,580
502+0,000	10,000	0,000	17,190	0,000	0,000	0,000	0,000	135.237,330	126,940	228,240	355,180	99,325,930	35,911,400
503+0,000	10,000	0,000	20,680	0,000	0,000	0,000	0,000	135.237,330	126,940	251,780	378,720	99,704,650	35,532,680
504+0,000	10,000	0,000	20,010	0,000	0,000	0,000	0,000	135.237,330	127,200	279,740	406,940	100,111,590	35,125,740
505+0,000	10,000	0,000	21,870	0,000	0,000	0,000	0,000	135.237,330	143,410	275,420	418,830	100,530,420	34,706,910
506+0,000	10,000	0,000	21,660	0,000	0,000	0,000	0,000	135.237,330	131,110	304,190	435,300	100,965,720	34,271,610
507+0,000	10,000	0,000	19,140	0,000	0,000	0,000	0,000	135.237,330	114,900	293,140	408,040	101,373,760	33,863,570
508+0,000	10,000	0,000	21,360	0,000	0,000	0,000	0,000	135.237,330	114,900	290,130	405,030	101,778,790	33,458,540
508+8,620	4,310	0,000	23,250	0,000	0,000	0,000	0,000	135.237,330	54,910	137,370	192,280	101,971,070	33,266,260
509+0,000	5,690	0,000	23,820	0,000	0,000	0,000	0,000	135.237,330	79,010	188,830	267,840	102,238,910	32,998,420
509+8,370	4,180	0,000	27,600	0,000	0,000	0,000	0,000	135.237,330	60,810	154,360	215,170	102,454,080	32,783,250
509+10,370	1,000	0,000	28,040	0,000	0,000	0,000	0,000	135.237,330	13,390	42,250	55,640	102,509,720	32,727,610
510+0,000	4,820	0,000	38,680	0,000	0,000	0,000	0,000	135.237,330	61,790	259,490	321,280	102,831,000	32,406,330
510+12,120	6,060	0,000	37,990	0,000	0,000	0,000	0,000	135.237,330	78,580	386,050	464,630	103,295,630	31,941,700
511+0,000	3,940	0,000	34,880	0,000	0,000	0,000	0,000	135.237,330	55,340	231,770	287,110	103,582,740	31,654,590
512+0,000	10,000	0,000	14,720	0,000	0,000	0,000	0,000	135.237,330	156,910	342,550	499,460	104,082,200	31,155,130
512+8,370	4,180	0,200	8,110	0,840	0,000	0,000	0,840	135.238,170	53,400	43,430	96,830	104,179,030	31,059,140
513+0,000	5,820	2,140	1,070	13,450	0,000	0,000	13,450	135.251,620	34,110	20,210	54,320	104,233,350	31,018,270
514+0,000	10,000	7,810	0,000	98,580	0,000	0,000	98,580	135.350,200	5,940	4,980	10,920	104,244,270	31,105,930
515+0,000	10,000	19,450	0,000	270,050	0,000	0,000	270,050	135.620,250	0,000	0,000	0,000	104,244,270	31,375,980
516+0,000	10,000	35,770	0,000	547,810	0,000	0,000	547,810	136.168,060	0,000	0,000	0,000	104,244,270	31,923,790
517+0,000	10,000	50,150	0,000	855,210	0,000	0,000	855,210	137.023,270	0,000	0,000	0,000	104,244,270	32,779,000
518+0,000	10,000	61,300	0,000	1.110,610	0,000	0,000	1.110,610	138.133,880	0,000	0,000	0,000	104,244,270	33,889,610
519+0,000	10,000	67,990	0,000	1.287,940	0,000	0,000	1.287,940	139.421,820	0,000	0,000	0,000	104,244,270	35,177,550
520+0,000	10,000	62,060	0,000	1.296,620	0,000	0,000	1.296,620	140.718,440	0,000	0,000	0,000	104,244,270	36,474,170
521+0,000	10,000	47,720	0,000	1.095,800	0,000	0,000	1.095,800	141.814,240	0,000	0,000	0,000	104,244,270	37,569,970
522+0,000	10,000	32,160	0,000	797,520	0,000	0,000	797,520	142.611,760	0,000	0,000	0,000	104,244,270	38,367,490
522+15,732	7,870	21,660	0,000	422,230	0,000	0,000	422,230	143.033,990	0,000	0,000	0,000	104,244,270	38,789,720
523+0,000	2,130	19,380	0,000	87,230	0,000	0,000	87,230	143.121,220	0,000	0,000	0,000	104,244,270	38,876,950
524+0,000	10,000	11,210	0,000	304,260	0,000	0,000	304,260	143.425,480	0,000	0,000	0,000	104,244,270	39,181,210
525+0,000	10,000	3,440	5,640	145,090	0,000	0,000	145,090	143.570,570	23,700	33,860	57,560	104,301,830	39,288,740
526+0,000	10,000	1,180	9,880	45,290	0,000	0,000	45,290	143.615,860	75,880	82,000	157,880	104,459,710	39,156,150
527+0,000	10,000	0,500	10,140	16,410	0,000	0,000	16,410	143.632,270	95,280	107,910	203,190	104,662,900	38,969,370
528+0,000	10,000	0,000	22,190	4,860	0,000	0,000	4,860	143.637,130	104,150	221,630	325,780	104,988,680	38,648,450
529+0,000	10,000	0,000	1,850	0,000	0,000	0,000	0,000	143.637,130	75,870	165,650	241,520	105,230,200	38,406,930
530+0,000	10,000	0,000	5,330	0,000	0,000	0,000	0,000	143.637,130	59,190	13,330	72,520	105,302,720	38,334,410
531+0,000	10,000	0,000	18,470	0,000	0,000	0,000	0,000	143.637,130	121,690	118,030	239,720	105,542,440	38,094,690
532+0,000	10,000	0,000	18,730	0,000	0,000	0,000	0,000	143.637,130	138,370	234,680	373,050	105,915,490	37,721,640
533+0,000	10,000	0,000	11,020	0,000	0,000	0,000	0,000	143.637,130	134,730	163,080	297,810	106,213,300	37,423,830
533+3,093	1,550	0,000	9,950	0,000	0,000	0,000	0,000	143.637,130	21,340	11,090	32,430	106,245,730	37,391,400
534+0,000	8,450	0,130	6,250	1,040	0,000	0,000	1,040	143.638,170	91,120	46,830	137,950	106,383,680	37,254,490
534+19,343	9,670	1,090	0,520	11,640	0,000	0,000	11,640	143.649,810	45,500	20,480	65,980	106,449,660	37,200,150
535+0,000	0,330	1,320	0,400	0,									



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)	Vol. Acum. Corte (m³)					
536+3.093	1,000	10,220	0,000	19,550	0,000	0,000	19,550	143.780.960	0,000	0,000	0,000	106.453,980	37.326,980
537+0.000	8,450	18,090	0,000	239,260	0,000	0,000	239,260	144.020.220	0,000	0,000	0,000	106.453,980	37.566,240
537+2.843	1,420	17,960	0,000	51,240	0,000	0,000	51,240	144.071.460	0,000	0,000	0,000	106.453,980	37.617.480
538+0.000	8,580	20,250	0,000	327,790	0,000	0,000	327,790	144.399.250	0,000	0,000	0,000	106.453,980	37.945,270
539+0.000	10,000	18,100	0,000	383,510	0,000	0,000	383,510	144.782.760	0,000	0,000	0,000	106.453,980	38.328,780
540+0.000	10,000	11,270	0,000	293,680	0,000	0,000	293,680	145.076.440	0,000	0,000	0,000	106.453,980	38.622.460
541+0.000	10,000	3,060	0,000	143,300	0,000	0,000	143,300	145.219.740	0,000	0,000	0,000	106.453,980	38.765,760
542+0.000	10,000	0,000	5,480	30,590	0,000	0,000	30,590	145.250.330	48.330	6.490	54.820	106.508,800	38.741.530
543+0.000	10,000	0,000	12,550	0,000	0,000	0,000	0,000	145.250.330	105.780	74.560	180,340	106.689,140	38.561.190
544+0.000	10,000	0,000	18,570	0,000	0,000	0,000	0,000	145.250.330	126.760	184.500	311,260	107.000,400	38.249,930
545+0.000	10,000	0,000	20,720	0,000	0,000	0,000	0,000	145.250.330	140,500	252,440	392,940	107.393,340	37.856,990
546+0.000	10,000	0,000	20,400	0,000	0,000	0,000	0,000	145.250.330	144,550	266,610	411,160	107.804,500	37.445,830
547+0.000	10,000	0,000	23,020	0,000	0,000	0,000	0,000	145.250.330	146,950	287,260	434,210	108.238,710	37.011,620
548+0.000	10,000	0,000	15,930	0,000	0,000	0,000	0,000	145.250.330	148,460	241,080	389,540	108.628,250	36.622,080
549+0.000	10,000	0,000	4,470	0,000	0,000	0,000	0,000	145.250.330	119,050	85,010	204,060	108.832,310	36.418,020
550+0.000	10,000	11,660	0,000	93,248	23,312	0,000	116,560	145.366,890	44,170	0,580	44,750	108.877,060	36.489,830
551+0.000	10,000	26,130	0,000	302,312	75,578	0,000	377,890	145.744,780	0,000	0,000	0,000	108.877,060	36.867,720
552+0.000	10,000	34,370	0,000	484,056	121,014	0,000	605,070	146.349,850	0,000	0,000	0,000	108.877,060	37.472,790
553+0.000	10,000	38,380	0,000	582,016	145,504	0,000	727,520	147.077,370	0,000	0,000	0,000	108.877,060	38.200,310
554+0.000	10,000	44,020	0,000	659,200	164,800	0,000	824,000	147.901,370	0,000	0,000	0,000	108.877,060	39.024,310
555+0.000	10,000	48,190	0,000	737,712	184,428	0,000	922,140	148.823,510	0,000	0,000	0,000	108.877,060	39.946,450
556+0.000	10,000	52,270	0,000	803,728	200,932	0,000	1.004,660	149.828,170	0,000	0,000	0,000	108.877,060	40.951,110
557+0.000	10,000	57,660	0,000	879,512	219,878	0,000	1.099,390	150.927,560	0,000	0,000	0,000	108.877,060	42.050,500
558+0.000	10,000	60,120	0,000	942,296	235,574	0,000	1.177,870	152.105,430	0,000	0,000	0,000	108.877,060	43.228,370
559+0.000	10,000	59,050	0,000	953,360	238,340	0,000	1.191,700	153.297,130	0,000	0,000	0,000	108.877,060	44.420,070
559+0.913	0,460	59,210	0,000	43,200	10,800	0,000	54,000	153.351,130	0,000	0,000	0,000	108.877,060	44.474,070
560+0.000	9,540	55,820	0,000	878,256	219,564	0,000	1.097,820	154.448,950	0,000	0,000	0,000	108.877,060	45.571,890
561+0.000	10,000	48,640	0,000	835,720	208,930	0,000	1.044,650	155.493,600	0,000	0,000	0,000	108.877,060	46.616,540
562+0.000	10,000	40,270	0,000	711,320	177,830	0,000	889,150	156.382,750	0,000	0,000	0,000	108.877,060	47.505,690
563+0.000	10,000	31,190	0,000	571,696	142,924	0,000	714,620	157.097,370	0,000	0,000	0,000	108.877,060	48.220,310
564+0.000	10,000	22,030	0,000	425,728	106,432	0,000	532,160	157.629,530	0,000	0,000	0,000	108.877,060	48.752,470
565+0.000	10,000	15,840	0,000	302,952	75,738	0,000	378,690	158.008,220	0,000	0,000	0,000	108.877,060	49.131,160
566+0.000	10,000	10,200	0,000	208,344	52,086	0,000	260,430	158.268,650	0,000	0,000	0,000	108.877,060	49.391,690
567+0.000	10,000	4,800	0,000	150,000	0,000	0,000	150,000	158.418,650	0,000	0,000	0,000	108.877,060	49.541,590
568+0.000	10,000	2,110	0,040	69,100	0,000	0,000	69,100	158.487,750	0,410	0,000	0,410	108.877,060	49.610,280
569+0.000	10,000	0,440	2,870	25,500	0,000	0,000	25,500	158.513,250	28,070	1,030	29,100	108.906,670	49.606,680
570+0.000	10,000	0,000	6,570	4,390	0,000	0,000	4,390	158.517,640	75,930	18,470	94,400	109.000,970	49.516,670
571+0.000	10,000	0,000	9,600	0,000	0,000	0,000	0,000	158.517,640	113,260	48,430	161,690	109.162,660	49.354,980
571+11,368	5,680	0,000	15,250	0,000	0,000	0,000	0,000	158.517,640	69,600	71,670	141,270	109.303,930	49.213,710
572+0.000	4,320	0,000	16,400	0,000	0,000	0,000	0,000	158.517,640	55,700	80,910	136,610	109.440,540	49.077,100
573+0.000	10,000	0,000	22,850	0,000	0,000	0,000	0,000	158.517,640	142,220	250,270	392,490	109.833,030	48.684,610
574+0.000	10,000	0,000	24,360	0,000	0,000	0,000	0,000	158.517,640	128,040	344,090	472,130	110.305,160	48.212,480
575+0.000	10,000	0,000	27,600	0,000	0,000	0,000	0,000	158.517,640	114,900	404,700	519,600	110.824,760	47.692,880
576+0.000	10,000	0,000	29,310	0,000	0,000	0,000	0,000	158.517,640	129,730	439,290	569,020	111.393,780	47.123,860
577+0.000	10,000	0,000	26,510	0,000	0,000	0,000	0,000	158.517,640	129,730	428,390	558,120	111.951,900	46.565,740
578+0.000	10,000	0,000	22,590	0,000	0,000	0,000	0,000	158.517,640	114,900	376,050	490,950	112.442,850	46.074,790
579+0.000	10,000	0,000	18,640	0,000	0,000	0,000	0,000	158.517,640	114,900	297,360	412,260	112.855,110	45.662,530
580+0.000	10,000	0,000	14,090	0,000	0,000	0,000	0,000	158.517,640	131,860	195,410	327,270	113.182,380	45.335,260
581+0.000	10,000	0,000	4,600	0,000	0,000	0,000	0,000	158.517,640	115,670	71,270	186,940	113.369,320	45.148,320
582+0.000	10,000	0,000	9,530	0,000	0,000	0,000	0,000	158.517,640	86,650	54,690	141,340	113.510,660	45.006,980
583+0.000	10,000	0,460	7,780	4,580	0,000	0,000	4,580	158.522,220	65,220	107,840	173,060	113.683,720	44.838,500
583+19,907	9,950	3,320	3,990	37,590	0,000	0,000	37,590	158.559,810	33,180	83,950	117,130	113.800,850	44.758,960
584+0.000	0,050	3,330	3,980	0,310	0,000	0,000	0,310	158.560,120	0,180	0,190	0,370	113.801,220	44.758,900
584+1,824	0,910	3,530	3,900	6,260	0,000	0,000	6,260	158.566,380	3,550	3,640	7,190	113.808,410	44.757,970
584+19,657	8,920	4,750	3,090	73,850	0,000	0,000	73,850	158.640,230	19,780	42,600	62,380	113.870,790	44.769,440
585+0.000	0,170	4,790	3,080	1,640	0,000	0,000	1,640	158.641,870	0,310	0,750	1,060	113.871,850	44.770,020
585+1,657	0,830	4,950	3,040	8,070	0,000	0,000	8,070	158.649,940	2,460	2,610	5,070	113.876,920	44.773,020
586+0.000	9,170	4,660	2,610	88,160	0,000	0,000	88,160	158.738,100	28,630	23,170	51,800	113.928,720	44.809,380
586+3,407	1,700	4,300	2,010	15,270	0,000	0,000	15,270	158.753,370	3,750	4,120	7,870	113.936,590	44.816,780
587+0.000	8,300	4,130	4,080	70,290	0,000	0,000	70,290	158.823,660	24,630	25,550	50,180	113.986,770	44.836,890
587+19,657	9,830	0,810	8,660	48,970	0,000	0,000	48,970	158.872,630	65,240	58,920	124,160	114.110,930	44.761,700
588+0.000	0,170	0,810	0,480	0,280	0,000	0,000	0,280	158.872,910	1,450	1,490	2,940	114.113,870	44.759,040
589+0.000	10,000	0,930	5,240	17,350	0,000	0,000	17,350	158.890,260	68,870	67,880	136,750	114.250,620	44.639,640
590+0.000	10,000	0,000	32,520	9,160	0,000	0,000	9,160	158.899,420	105,630	271,000	376,630	114.627,250	44.272,170
591+0.000	10,000	0,000	33,320	0,000	0,000	0,000	0,000	158.899,420	147,670	508,420	656,090	115.283,340	43.616,080
592+0.000	10,000	0,000	38,060	0,000	0,000	0,000	0,000	158.899,420	154,030	558,450	712,480	115.995,820	42.903,600
592+15,128	7,560	0,000	41,680	0,000	0,000	0,000	0,000	158.899,420	118,810	485,070	603,880	116.599,700	42.299,720
593+0.000	2,440	0,000	42,150	0,000	0,000	0,000	0,000	158.899,420	40,070	164,120	204,190	116.803,890	42.095,530
594+0.000	10,000	0,000	45,420	0,000	0,000	0,000	0,000	158.899,420	146,010	734,790	880,800	117.684,690	41.214,730
595+0.000													



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif. Vol, Acum, (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)							
597+0.000	10,000	0,000	38,300	0,000	0,000	0,000	0,000	158.899,420	168,640	615,560	784,200	120.250,800	38.648,620	
597+10.600	5,300	0,000	40,870	0,000	0,000	0,000	0,000	158.899,420	76,150	346,540	422,690	120.673,490	38.225,930	
598+0.000	4,700	0,000	34,840	0,000	0,000	0,000	0,000	158.899,420	65,400	292,160	357,560	121.031,050	37.868,370	
599+0.000	10,000	0,000	30,380	0,000	0,000	0,000	0,000	158.899,420	137,690	515,760	653,450	121.684,500	37.214,920	
599+6.850	3,420	0,000	28,160	0,000	0,000	0,000	0,000	158.899,420	46,080	154,390	200,470	121.884,970	37.014,450	
600+0.000	6,580	0,000	24,020	0,000	0,000	0,000	0,000	158.899,420	96,600	246,470	343,070	122.228,040	36.671,380	
600+8.600	4,300	0,000	23,370	0,000	0,000	0,000	0,000	158.899,420	62,190	141,600	203,790	122.431,830	36.467,590	
600+10.600	1,000	0,000	23,130	0,000	0,000	0,000	0,000	158.899,420	14,520	31,990	46,510	122.478,340	36.421,080	
601+0.000	4,700	0,000	22,300	0,000	0,000	0,000	0,000	158.899,420	67,080	146,470	213,550	122.691,890	36.207,530	
601+10.350	5,170	0,000	21,670	0,000	0,000	0,000	0,000	158.899,420	66,620	160,890	227,510	122.919,400	35.980,020	
602+0.000	4,830	0,000	23,000	0,000	0,000	0,000	0,000	158.899,420	61,260	154,270	215,530	123.134,930	35.764,490	
603+0.000	10,000	0,000	19,990	0,000	0,000	0,000	0,000	158.899,420	137,650	292,290	429,940	123.564,870	35.334,550	
604+0.000	10,000	0,000	18,260	0,000	0,000	0,000	0,000	158.899,420	135,880	246,660	382,540	123.947,410	34.952,010	
605+0.000	10,000	0,000	14,880	0,000	0,000	0,000	0,000	158.899,420	132,030	199,430	331,460	124.278,870	34.620,550	
606+0.000	10,000	0,000	12,870	0,000	0,000	0,000	0,000	158.899,420	123,820	153,760	277,580	124.556,450	34.342,970	
606+3.492	1,750	0,000	12,840	0,000	0,000	0,000	0,000	158.899,420	21,070	23,830	44,900	124.601,350	34.298,070	
607+0.000	8,250	0,000	10,760	0,000	0,000	0,000	0,000	158.899,420	103,340	91,440	194,780	124.796,130	34.103,290	
607+3.242	1,620	0,000	11,180	0,000	0,000	0,000	0,000	158.899,420	19,660	15,860	35,560	124.831,680	34.067,740	
607+5.242	1,000	0,000	11,540	0,000	0,000	0,000	0,000	158.899,420	12,530	10,190	22,720	124.854,400	34.045,020	
608+0.000	7,380	0,000	15,860	0,000	0,000	0,000	0,000	158.899,420	93,060	109,150	202,210	125.056,610	33.842,810	
608+6.992	3,500	0,000	20,240	0,000	0,000	0,000	0,000	158.899,420	46,260	79,920	126,180	125.182,790	33.716,630	
609+0.000	6,500	0,000	22,510	0,000	0,000	0,000	0,000	158.899,420	86,790	191,040	277,830	125.460,620	33.438,890	
610+0.000	10,000	0,000	27,610	0,000	0,000	0,000	0,000	158.899,420	135,070	366,350	501,420	125.962,040	32.937,380	
610+3.242	1,620	0,000	29,660	0,000	0,000	0,000	0,000	158.899,420	24,990	67,830	92,820	126.054,860	32.844,560	
611+0.000	8,380	0,000	40,560	0,000	0,000	0,000	0,000	158.899,420	117,210	474,060	591,270	126.646,130	32.253,290	
612+0.000	10,000	0,000	45,450	0,000	0,000	0,000	0,000	158.899,420	122,100	741,680	863,780	127.509,910	31.389,510	
613+0.000	10,000	0,000	40,460	0,000	0,000	0,000	0,000	158.899,420	122,100	739,090	861,190	128.371,100	30.528,320	
614+0.000	10,000	0,000	41,980	0,000	0,000	0,000	0,000	158.899,420	143,850	683,220	827,070	129.198,170	29.701,250	
614+8.854	4,430	0,000	38,550	0,000	0,000	0,000	0,000	158.899,420	71,660	285,810	357,470	129.555,640	29.343,780	
615+0.000	5,570	0,000	29,760	0,000	0,000	0,000	0,000	158.899,420	85,690	295,560	381,250	129.936,890	28.962,530	
616+0.000	10,000	0,000	16,390	0,000	0,000	0,000	0,000	158.899,420	135,720	325,960	461,680	130.398,570	28.500,850	
617+0.000	10,000	0,200	3,990	1,990	0,000	0,000	1,990	158.901,410	100,730	103,440	204,170	130.602,740	28.298,670	
618+0.000	10,000	1,390	0,900	15,640	0,000	0,000	15,640	158.917,050	48,870	0,620	49,490	130.652,230	28.264,820	
618+14.466	7,230	1,690	0,560	21,930	0,000	0,000	21,930	158.938,980	9,820	0,950	10,770	130.663,000	28.275,980	
619+0.000	2,770	1,640	0,470	9,110	0,000	0,000	9,110	158.948,090	2,550	0,360	2,910	130.665,910	28.282,180	
620+0.000	10,000	1,380	0,030	30,060	0,000	0,000	30,060	158.978,150	5,090	0,000	5,090	130.671,000	28.307,150	
620+10.716	5,360	0,540	0,100	10,280	0,000	0,000	10,280	158.988,430	0,680	0,000	0,680	130.671,680	28.316,750	
621+0.000	4,640	0,000	1,630	2,490	0,000	0,000	2,490	158.990,920	8,040	0,000	8,040	130.679,720	28.311,200	
621+12.466	6,230	0,010	1,660	0,090	0,000	0,000	0,090	158.991,010	19,770	0,760	20,530	130.700,250	28.290,760	
621+14.466	1,000	0,020	1,490	0,030	0,000	0,000	0,030	158.991,040	2,920	0,230	3,150	130.703,400	28.287,640	
622+0.000	2,770	0,000	2,170	0,050	0,000	0,000	0,050	158.991,090	9,180	0,940	10,120	130.713,520	28.277,570	
622+14.216	7,110	0,000	3,780	0,000	0,000	0,000	0,000	158.991,090	38,120	4,180	42,300	130.755,820	28.235,270	
623+0.000	2,890	0,010	4,170	0,040	0,000	0,000	0,040	158.991,130	21,970	1,400	23,010	130.778,830	28.212,300	
624+0.000	10,000	0,000	4,480	0,150	0,000	0,000	0,150	158.991,280	78,140	8,440	86,580	130.865,410	28.125,870	
625+0.000	10,000	0,000	6,080	0,000	0,000	0,000	0,000	158.991,280	85,560	20,040	105,600	130.971,010	28.020,270	
626+0.000	10,000	0,000	8,450	0,000	0,000	0,000	0,000	158.991,280	117,820	27,480	145,300	131.116,310	27.874,970	
626+8.385	4,190	0,000	10,180	0,000	0,000	0,000	0,000	158.991,280	52,670	25,230	78,100	131.194,410	27.796,870	
627+0.000	5,810	0,000	14,270	0,000	0,000	0,000	0,000	158.991,280	66,730	75,270	142,000	131.336,410	27.654,870	
627+8.135	4,070	0,000	16,380	0,000	0,000	0,000	0,000	158.991,280	46,730	77,930	124,660	131.461,070	27.530,210	
627+10.135	1,000	0,000	18,360	0,000	0,000	0,000	0,000	158.991,280	12,990	21,740	34,730	131.495,800	27.495,480	
628+0.000	4,930	0,000	16,010	0,000	0,000	0,000	0,000	158.991,280	70,810	98,710	169,520	131.665,320	27.325,960	
628+11.885	5,940	0,000	12,450	0,000	0,000	0,000	0,000	158.991,280	84,520	84,590	169,110	131.834,430	27.156,850	
629+0.000	4,060	0,000	12,560	0,000	0,000	0,000	0,000	158.991,280	57,980	43,510	101,490	131.935,920	27.055,360	
630+0.000	10,000	0,000	19,910	0,000	0,000	0,000	0,000	158.991,280	145,850	179,070	324,920	132.260,840	26.730,440	
630+8.135	4,070	0,000	22,200	0,000	0,000	0,000	0,000	158.991,280	60,430	111,060	171,490	132.432,330	26.558,950	
631+0.000	5,930	0,000	22,700	0,000	0,000	0,000	0,000	158.991,280	80,320	186,820	267,140	132.699,470	26.291,810	
632+0.000	10,000	0,000	21,990	0,000	0,000	0,000	0,000	158.991,280	138,140	310,420	448,560	133.148,030	25.843,250	
633+0.000	10,000	0,000	24,150	0,000	0,000	0,000	0,000	158.991,280	154,890	308,310	463,200	133.611,230	25.380,050	
634+0.000	10,000	0,000	23,910	0,000	0,000	0,000	0,000	158.991,280	156,010	326,720	482,730	134.093,960	24.897,320	
635+0.000	10,000	0,000	25,860	0,000	0,000	0,000	0,000	158.991,280	157,410	342,910	500,320	134.594,280	24.397,000	
636+0.000	10,000	0,000	31,680	0,000	0,000	0,000	0,000	158.991,280	154,300	424,180	578,480	135.172,760	23.818,520	
637+0.000	10,000	0,000	30,990	0,000	0,000	0,000	0,000	158.991,280	150,700	478,710	629,410	135.802,170	23.189,110	
638+0.000	10,000	0,000	35,880	0,000	0,000	0,000	0,000	158.991,280	136,680	534,720	671,400	136.473,570	22.517,710	
639+0.000	10,000	0,000	47,730	0,000	0,000	0,000	0,000	158.991,280	122,100	718,400	840,500	137.314,070	21.677,210	
640+0.000	10,000	0,000	35,130	0,000	0,000	0,000	0,000	158.991,280	136,270	697,120	833,390	138.147,460	20.843,820	
640+19.487	9,740	0,000	37,400	0,000	0,000	0,000	0,000	158.991,280	132,770	578,090	710,860	138.858,320	20.132,960	
641+0.000	0,260	0,000	37,440	0,000	0,000	0,000	0,000	158.991,280	3,130	16,070	19,200	138.877,520	20.113,760	
642+0.000	10,000	0,000	37,980	0,000	0,000	0,000	0,000	158.991,280	122,100	636,820	758,920	139.636,440	19.354,840	
643+0.000	10,000	0,000	39,910	0,000	0,000	0,000	0,000	158.991,280	145,340	638,650	783,990	140.420,430	18.570,850	
644+0.000	10,000	0,000	39,350	0,000	0,000	0,000	0,000	158.991,280	145,350	652,380	797,730	141.218,160	17.773,120	
645+0.0														



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif. Vol, Acum, (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
647+0,000	10,000	0,000	17,420	0,000	0,000	0,000	0,000	158.991,280	122,100	322,000	444,100	143.031,950	15.959,330
648+0,000	10,000	0,080	8,040	0,760	0,000	0,000	0,760	158.992,040	119,360	138,030	257,390	143.289,340	15.702,700
649+0,000	10,000	0,490	4,650	5,550	0,000	0,000	5,550	158.997,580	100,290	28,470	128,760	143.418,100	15.579,490
650+0,000	10,000	0,170	10,950	6,470	0,000	0,000	6,470	159.004,060	95,030	63,540	158,570	143.576,670	15.427,390
651+0,000	10,000	0,000	14,560	1,680	0,000	0,000	1,680	159.005,740	123,570	134,780	258,350	143.835,020	15.170,720
651+0,839	5,420	0,000	16,280	0,000	0,000	0,000	0,000	159.005,740	71,290	97,280	168,570	144.003,590	15.002,150
652+0,000	4,580	0,000	18,240	0,000	0,000	0,000	0,000	159.005,740	61,780	97,140	158,920	144.162,510	14.843,230
653+0,000	10,000	0,000	23,890	0,000	0,000	0,000	0,000	159.005,740	133,000	288,820	421,820	144.584,330	14.421,410
653+7,089	3,540	0,000	26,170	0,000	0,000	0,000	0,000	159.005,740	46,180	131,270	177,450	144.761,780	14.243,960
654+0,000	6,460	0,000	30,750	0,000	0,000	0,000	0,000	159.005,740	83,300	284,150	367,450	145.129,230	13.876,510
654+8,839	4,420	0,000	33,040	0,000	0,000	0,000	0,000	159.005,740	51,020	230,900	281,920	145.411,150	13.594,590
654+10,839	1,000	0,000	33,400	0,000	0,000	0,000	0,000	159.005,740	13,100	53,340	66,440	145.477,590	13.528,150
655+0,000	4,580	0,000	33,320	0,000	0,000	0,000	0,000	159.005,740	60,000	245,590	305,590	145.783,180	13.222,560
655+10,589	5,290	0,000	32,310	0,000	0,000	0,000	0,000	159.005,740	60,840	286,630	347,470	146.130,650	12.875,090
656+0,000	4,710	0,000	32,590	0,000	0,000	0,000	0,000	159.005,740	61,920	243,480	305,400	146.436,050	12.569,690
657+0,000	10,000	0,000	33,430	0,000	0,000	0,000	0,000	159.005,740	131,580	528,620	660,200	147.096,250	11.909,490
658+0,000	10,000	0,000	26,100	0,000	0,000	0,000	0,000	159.005,740	134,990	460,300	595,290	147.691,540	11.314,200
659+0,000	10,000	0,000	25,050	0,000	0,000	0,000	0,000	159.005,740	146,640	364,840	511,480	148.203,020	10.802,720
660+0,000	10,000	0,000	25,500	0,000	0,000	0,000	0,000	159.005,740	126,550	378,900	505,450	148.708,470	10.297,270
661+0,000	10,000	0,000	20,340	0,000	0,000	0,000	0,000	159.005,740	127,630	330,740	458,370	149.166,840	9.838,900
662+0,000	10,000	0,000	14,890	0,000	0,000	0,000	0,000	159.005,740	127,630	224,610	352,240	149.519,080	9.486,660
663+0,000	10,000	0,000	13,980	0,000	0,000	0,000	0,000	159.005,740	127,560	161,120	288,680	149.807,760	9.197,980
664+0,000	10,000	0,000	9,260	0,000	0,000	0,000	0,000	159.005,740	137,760	94,680	232,440	150.040,200	8.965,540
665+0,000	10,000	0,000	7,810	0,000	0,000	0,000	0,000	159.005,740	124,540	46,170	170,710	150.210,910	8.794,830
666+0,000	10,000	0,000	6,520	0,000	0,000	0,000	0,000	159.005,740	116,550	26,700	143,250	150.354,160	8.651,580
667+0,000	10,000	0,000	4,910	0,000	0,000	0,000	0,000	159.005,740	105,330	8,910	114,240	150.468,400	8.537,340
668+0,000	10,000	0,000	14,360	0,000	0,000	0,000	0,000	159.005,740	106,830	85,820	192,650	150.661,050	8.344,690
669+0,000	10,000	0,930	0,270	9,330	0,000	0,000	9,330	159.015,070	63,860	82,420	146,280	150.807,330	8.207,740
670+0,000	10,000	1,780	4,630	27,130	0,000	0,000	27,130	159.042,200	30,310	18,700	49,010	150.856,340	8.185,860
671+0,000	10,000	4,580	4,300	63,580	0,000	0,000	63,580	159.105,780	55,430	33,920	89,350	150.945,690	8.160,090
672+0,000	10,000	2,210	2,940	67,860	0,000	0,000	67,860	159.173,640	52,870	19,580	72,450	151.018,140	8.155,500
673+0,000	10,000	11,620	0,000	138,260	0,000	0,000	138,260	159.311,900	25,070	4,350	29,420	151.047,560	8.264,340
674+0,000	10,000	26,650	0,000	382,690	0,000	0,000	382,690	159.694,590	0,000	0,000	0,000	151.047,560	8.647,030
675+0,000	10,000	36,480	0,000	631,300	0,000	0,000	631,300	160.325,880	0,000	0,000	0,000	151.047,560	9.278,330
676+0,000	10,000	32,580	0,000	448,884	138,118	103,589	690,590	161.016,480	0,000	0,000	0,000	151.047,560	9.968,920
677+0,000	10,000	32,040	0,000	420,043	129,244	96,933	646,220	161.662,700	0,000	0,000	0,000	151.047,560	10.615,140
678+0,000	10,000	39,840	0,000	467,207	143,756	107,817	718,780	162.381,480	0,000	0,000	0,000	151.047,560	11.333,920
679+0,000	10,000	56,970	0,000	629,233	193,610	145,208	968,050	163.349,530	0,000	0,000	0,000	151.047,560	12.301,970
680+0,000	10,000	73,970	0,000	851,117	261,882	196,412	1.309,410	164.659,940	0,000	0,000	0,000	151.047,560	13.611,380
681+0,000	10,000	87,030	0,000	1.046,500	322,000	241,500	1.610,000	166.268,940	0,000	0,000	0,000	151.047,560	15.221,380
682+0,000	10,000	95,800	0,000	1.188,402	365,862	274,247	1.828,310	168.097,250	0,000	0,000	0,000	151.047,560	17.049,690
683+0,000	10,000	94,320	0,000	1.235,826	380,254	285,191	1.901,270	169.998,520	0,000	0,000	0,000	151.047,560	18.950,960
684+0,000	10,000	86,140	0,000	1.172,997	360,922	270,692	1.804,610	171.803,130	0,000	0,000	0,000	151.047,560	20.755,570
685+0,000	10,000	83,510	0,000	1.102,712	339,296	254,472	1.696,480	173.499,610	0,000	0,000	0,000	151.047,560	22.452,050
686+0,000	10,000	81,060	0,000	1.069,679	329,132	246,849	1.645,660	175.145,270	0,000	0,000	0,000	151.047,560	24.097,710
687+0,000	10,000	71,610	0,000	992,355	305,340	229,005	1.526,700	176.671,970	0,000	0,000	0,000	151.047,560	25.624,410
688+0,000	10,000	64,740	0,000	896,301	272,708	204,531	1.363,540	178.035,510	0,000	0,000	0,000	151.047,560	28.987,950
689+0,000	10,000	56,050	0,000	785,109	241,572	181,179	1.207,860	179.243,370	0,000	0,000	0,000	151.047,560	28.195,810
690+0,000	10,000	47,100	0,000	670,456	206,294	154,721	1.031,470	180.274,840	0,000	0,000	0,000	151.047,560	29.227,280
691+0,000	10,000	43,570	0,000	589,349	181,338	136,004	906,690	181.181,530	0,000	0,000	0,000	151.047,560	30.133,970
692+0,000	10,000	39,300	0,000	538,616	165,728	124,296	828,640	182.010,170	0,000	0,000	0,000	151.047,560	30.962,610
693+0,000	10,000	34,850	0,000	481,969	148,298	111,224	741,490	182.751,660	0,000	0,000	0,000	151.047,560	31.704,100
693+16,614	8,310	32,310	0,000	382,674	111,592	83,694	557,960	183.309,620	0,000	0,000	0,000	151.047,560	32.282,060
694+0,000	1,690	31,530	0,000	70,252	21,616	16,212	108,080	183.417,700	0,000	0,000	0,000	151.047,560	32.370,140
694+13,325	6,660	30,430	0,000	268,346	82,568	61,926	412,840	183.830,540	0,000	0,000	0,000	151.047,560	32.782,980
694+18,325	2,500	29,800	0,000	97,877	30,116	22,587	150,580	183.981,120	0,000	0,000	0,000	151.047,560	32.933,560
695+0,000	0,840	30,230	0,000	32,682	10,056	7,542	50,280	184.031,400	0,000	0,000	0,000	151.047,560	32.983,840
696+0,000	10,000	29,010	0,000	384,833	118,410	88,808	592,050	184.623,450	0,000	0,000	0,000	151.047,560	33.575,890
696+0,035	0,020	29,000	0,000	0,663	0,204	0,153	1,020	184.624,470	0,000	0,000	0,000	151.047,560	33.576,910
697+0,000	9,980	29,990	0,000	382,116	117,574	88,181	587,870	185.212,340	0,000	0,000	0,000	151.047,560	34.164,780
697+13,325	6,660	31,730	0,000	266,318	81,944	61,458	409,720	185.622,060	0,000	0,000	0,000	151.047,560	34.574,500
698+0,000	3,340	31,480	0,000	136,526	42,008	31,506	210,040	185.832,100	0,000	0,000	0,000	151.047,560	34.784,540
699+0,000	10,000	31,240	0,000	405,860	124,880	93,660	624,400	186.456,500	0,000	0,000	0,000	151.047,560	35.408,940
700+0,000	10,000	25,740	0,000	368,823	113,484	85,113	567,420	187.023,920	0,000	0,000	0,000	151.047,560	35.976,360
701+0,000	10,000	20,720	0,000	301,035	92,626	69,470	463,130	187.487,050	0,000	0,000	0,000	151.047,560	36.439,490
701+4,942	2,470	20,730	0,000	66,573	20,484	15,363	102,420	187.589,470	0,000	0,000	0,000	151.047,560	36.541,910
702+0,000	7,530	15,900	0,000	178,711	54,988	41,241	274,940	187.864,410	0,000	0,000	0,000	151.047,560	36.816,850
703+0,000	10,000	13,420	0,000	291,960	0,000	0,000	291,960	188.156,370	0,000	0,000	0,000	151.047,560	37.108,810
704+0,000	10,000	9,640	0,000	229,390	0,000	0,000	229,390	188.385,760	0,000	0,000	0,000	151.047,560	37.338,200
704+16,560	8,280	6,360	0,040	13									



Table with columns: Estaca, Semi Distância (m), Área de Corte (m²), Área de Aterro (m²), Volume de Corte (m³) (1° Cat., 2° Cat., 3° Cat., Volume de Total), Vol. Acum. Corte (m³), Volume Camada Final (m³), Volume Corpo de Aterro (m³), Volume Total do Aterro (m³), Vol. Acum. Aterro (m³), Dif. Vol. Acum. (m³). Includes a sub-section for 'Início do Alargamento do Corte intervalo 749+0,00 a 761+0,00'.

Responsável Técnico: Engenheiro Everaldo Tadeu Bezerra de Castro

Coordenador: Fabrício Henrique Eufrazio Segura

Volume 3C - Nota de Serviço e Cálculo de Volume Rodovia: MT-338 Trecho: Entr. MT-235 (Juara/MT) - Entr. MT-417 Sub Trecho: KM 664,67 - KM 689,27 Extensão Total: 24,445 km



HASH: 419ba3b9891a02089c874bb55a5a14324a0426bcb1e6f5ac8af5a176c4. Documento assinado digitalmente, valide em https://requisitoses.seplag.mt.gov.br/flowbee-pub/#/validar/4WZL-967E-QU67-X9XJ. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



SINFRA-PRO-2025/18731





Volume de Terraplenagem da MT-388													
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)	Vol. Acum. Corte (m³)					
758+0,000	10,000	80,230	0,000	1.145,567	352,482	264,362	1.762,410	213.104,900	0,000	0,000	0,000	164.820,300	48.284,600
759+0,000	10,000	57,870	0,000	895,531	275,548	206,661	1.377,740	214.482,640	0,000	0,000	0,000	164.820,300	49.662,340
760+0,000	10,000	38,030	0,000	621,147	191,122	143,342	955,610	215.438,250	0,000	0,000	0,000	164.820,300	50.617,950
760+5,164	2,580	32,610	0,000	118,086	36,334	27,251	181,670	215.619,920	0,000	0,000	0,000	164.820,300	50.799,620
761+0,000	7,420	21,380	0,000	398,790	0,000	0,000	398,790	216.018,710	0,000	0,000	0,000	164.820,300	51.198,410
Final do Alargamento do Corte intervalo 749+0,00 a 761+0,00													
762+0,000	10,000	8,740	0,000	299,380	0,000	0,000	299,380	216.318,090	0,020	0,010	0,030	164.820,300	51.497,760
763+0,000	10,000	0,100	6,180	87,530	0,000	0,000	87,530	216.406,620	38,590	23,970	62,560	164.882,890	51.522,730
764+0,000	10,000	0,000	16,920	0,970	0,000	0,000	0,970	216.406,590	116,320	116,760	233,080	165.115,970	51.290,620
765+0,000	10,000	0,000	29,140	0,000	0,000	0,000	0,000	216.406,590	151,400	312,210	463,610	165.579,580	50.827,010
766+0,000	10,000	0,000	35,230	0,000	0,000	0,000	0,000	216.406,590	155,860	491,190	647,050	166.226,630	50.179,960
767+0,000	10,000	0,000	36,400	0,000	0,000	0,000	0,000	216.406,590	143,260	576,650	719,910	166.946,540	49.460,050
768+0,000	10,000	0,000	38,090	0,000	0,000	0,000	0,000	216.406,590	136,580	612,810	749,390	167.695,930	48.710,660
769+0,000	10,000	0,000	35,450	0,000	0,000	0,000	0,000	216.406,590	158,690	582,040	740,730	168.436,660	47.969,930
770+0,000	10,000	0,000	29,070	0,000	0,000	0,000	0,000	216.406,590	162,100	487,430	649,530	169.086,190	47.320,400
770+7,117	3,560	0,000	26,020	0,000	0,000	0,000	0,000	216.406,590	49,810	147,190	197,000	169.283,190	47.123,400
771+0,000	6,440	0,000	20,270	0,000	0,000	0,000	0,000	216.406,590	85,270	213,770	299,040	169.582,230	46.824,360
772+0,000	10,000	0,000	13,910	0,000	0,000	0,000	0,000	216.406,590	130,330	211,700	342,030	169.924,260	46.482,330
772+1,578	0,790	0,000	13,400	0,000	0,000	0,000	0,000	216.406,590	10,280	11,270	21,550	169.945,810	46.460,780
773+0,000	9,210	0,000	10,660	0,000	0,000	0,000	0,000	216.406,590	129,390	92,350	221,740	170.167,550	46.239,040
773+3,117	1,560	0,000	9,840	0,000	0,000	0,000	0,000	216.406,590	19,700	12,260	31,960	170.199,510	46.207,080
773+7,117	2,000	0,000	7,970	0,000	0,000	0,000	0,000	216.406,590	24,640	10,980	35,620	170.235,130	46.171,460
774+0,000	6,440	0,000	6,750	0,000	0,000	0,000	0,000	216.406,590	78,090	16,730	94,820	170.329,950	46.076,640
774+4,655	2,330	0,000	6,080	0,000	0,000	0,000	0,000	216.406,590	24,860	5,010	29,870	170.359,820	46.046,770
775+0,000	7,670	0,000	6,280	0,000	0,000	0,000	0,000	216.406,590	81,880	12,950	94,830	170.454,650	45.951,940
776+0,000	10,000	0,000	6,320	0,000	0,000	0,000	0,000	216.406,590	106,600	19,390	125,990	170.580,640	45.825,960
777+0,000	10,000	0,000	10,970	0,000	0,000	0,000	0,000	216.406,590	108,680	64,210	172,890	170.753,530	45.653,060
778+0,000	10,000	0,000	11,790	0,000	0,000	0,000	0,000	216.406,590	110,680	116,910	227,590	170.981,120	45.425,470
779+0,000	10,000	0,000	10,520	0,000	0,000	0,000	0,000	216.406,590	110,480	112,630	223,110	171.204,230	45.202,360
780+0,000	10,000	0,030	9,610	0,260	0,000	0,000	0,260	216.406,850	98,160	103,130	201,290	171.405,520	45.001,330
781+0,000	10,000	0,000	10,450	0,260	0,000	0,000	0,260	216.407,110	99,720	100,870	200,590	171.606,110	44.801,000
782+0,000	10,000	0,000	9,240	0,000	0,000	0,000	0,000	216.407,110	102,730	94,190	196,920	171.803,030	44.604,080
783+0,000	10,000	0,120	6,920	1,160	0,000	0,000	1,160	216.408,270	84,350	77,230	161,580	171.964,610	44.443,660
784+0,000	10,000	0,000	7,770	1,160	0,000	0,000	1,160	216.409,430	89,910	56,950	146,860	172.111,470	44.297,960
785+0,000	10,000	0,000	6,210	0,000	0,000	0,000	0,000	216.409,430	85,970	53,870	139,840	172.251,310	44.158,120
785+5,713	2,860	0,000	5,730	0,000	0,000	0,000	0,000	216.409,430	20,700	13,420	34,120	172.285,430	44.124,000
Igualdade de estacas, Estaca 785+5,713 = Estaca 792+0,00													
793+0,000	10,000	0,070	5,220	0,730	0,000	0,000	0,730	216.410,160	59,630	49,840	109,470	172.394,900	44.015,260
794+0,000	10,000	0,240	4,640	3,140	0,000	0,000	3,140	216.413,300	46,390	52,250	98,640	172.493,540	43.919,760
795+0,000	10,000	0,680	3,180	9,180	0,000	0,000	9,180	216.422,480	37,920	40,300	78,220	172.571,760	43.850,720
796+0,000	10,000	0,630	3,050	13,060	0,000	0,000	13,060	216.435,540	38,290	23,960	62,250	172.634,010	43.801,530
797+0,000	10,000	0,080	5,520	7,110	0,000	0,000	7,110	216.442,650	51,470	34,200	85,670	172.719,680	43.722,970
798+0,000	10,000	0,000	7,300	0,810	0,000	0,000	0,810	216.443,460	72,600	55,550	128,150	172.847,830	43.595,630
799+0,000	10,000	0,000	9,390	0,000	0,000	0,000	0,000	216.443,460	104,220	62,640	166,860	173.014,690	43.428,770
800+0,000	10,000	0,000	8,390	0,000	0,000	0,000	0,000	216.443,460	126,680	51,080	177,760	173.192,450	43.251,010
801+0,000	10,000	0,000	8,250	0,000	0,000	0,000	0,000	216.443,460	130,200	36,180	166,380	173.358,830	43.084,630
802+0,000	10,000	0,000	9,040	0,000	0,000	0,000	0,000	216.443,460	133,770	39,190	172,960	173.531,790	42.911,670
803+0,000	10,000	0,000	13,180	0,000	0,000	0,000	0,000	216.443,460	139,430	82,840	222,270	173.754,060	42.689,400
804+0,000	10,000	0,000	16,810	0,000	0,000	0,000	0,000	216.443,460	143,530	156,450	299,980	174.054,040	42.389,420
805+0,000	10,000	0,000	20,780	0,000	0,000	0,000	0,000	216.443,460	148,880	227,080	375,960	174.430,000	42.013,460
806+0,000	10,000	0,000	28,910	0,000	0,000	0,000	0,000	216.443,460	146,190	350,750	496,940	174.926,940	41.516,520
807+0,000	10,000	0,000	24,040	0,000	0,000	0,000	0,000	216.443,460	128,890	400,670	529,560	175.456,500	40.986,960
808+0,000	10,000	0,000	26,730	0,000	0,000	0,000	0,000	216.443,460	114,900	382,870	507,770	175.964,270	40.479,190
809+0,000	10,000	0,000	25,000	0,000	0,000	0,000	0,000	216.443,460	132,910	384,470	517,380	176.481,650	39.961,810
810+0,000	10,000	0,000	21,640	0,000	0,000	0,000	0,000	216.443,460	144,510	321,930	466,440	176.948,090	39.495,370
811+0,000	10,000	0,000	15,320	0,000	0,000	0,000	0,000	216.443,460	140,690	228,940	369,630	177.317,720	39.125,740
812+0,000	10,000	0,000	9,020	0,000	0,000	0,000	0,000	216.443,460	130,110	113,290	243,400	177.561,120	38.882,340
813+0,000	10,000	0,050	3,670	0,540	0,000	0,000	0,540	216.444,000	95,160	31,690	126,850	177.687,970	38.756,030
814+0,000	10,000	0,000	5,580	0,540	0,000	0,000	0,540	216.444,540	82,580	9,860	92,440	177.780,410	38.684,130
815+0,000	10,000	0,180	2,720	1,780	0,000	0,000	1,780	216.446,320	73,130	9,860	82,990	177.863,400	38.582,920
816+0,000	10,000	1,120	0,930	12,930	0,000	0,000	12,930	216.459,250	36,120	0,380	36,500	177.899,900	38.559,350
817+0,000	10,000	3,750	0,000	48,680	0,000	0,000	48,680	216.507,930	8,890	0,380	9,270	177.909,170	38.598,760
818+0,000	10,000	3,200	0,000	69,540	0,000	0,000	69,540	216.577,470	0,000	0,000	0,000	177.909,170	38.668,300
819+0,000	10,000	5,860	0,000	90,570	0,000	0,000	90,570	216.668,040	0,000	0,000	0,000	177.909,170	38.758,870
820+0,000	10,000	4,250	0,000	101,030	0,000	0,000	101,030	216.769,070	0,000	0,000	0,000	177.909,170	38.859,900
820+7,478	3,740	3,800	0,000	30,070	0,000	0,000	30,070	216.799,140	0,000	0,000	0,000	177.909,170	38.889,970
821+0,000	6,260	2,510	0,000	39,460	0,000	0,000	39,460	216.838,600	0,000	0,000	0,000	177.909,170	38.929,430
822+0,000	10,000	0,660	0,290	31,700	0,000	0,000	31,700	216.870,300	2,940	0,000	2,940	177.912,110	38.958,190
823+0,000	10,000	1,240	0,000	19,020	0,000	0,000	19,020	216.889,320	2,940	0,000	2,940	177.915,050	38.974,270
823+3,836	1,920	1,350	0,010	4,970	0,000	0,000	4,970	216.894,290	0,030	0,000	0,030	177.915,080	38.979,210
824+0,000	8,080	4,650	0,000	48,500	0,000	0,000	48,500	216.942,790	0,110	0,000	0,110	177.915	



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)	
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)						Vol. Acum. Corte (m³)
826+0,000	10,000	5,150	0,000	139,820	0,000	0,000	139,820	217,217,420	0,000	0,000	177,915,190	39,302,230	
826+0,193	0,100	5,130	0,000	0,990	0,000	0,000	0,990	217,218,410	0,000	0,000	177,915,190	39,303,220	
827+0,000	9,900	1,090	0,160	61,550	0,000	0,000	61,550	217,279,960	1,560	0,000	177,916,750	39,363,210	
828+0,000	10,000	0,320	0,970	14,060	0,000	0,000	14,060	217,294,020	10,640	0,680	177,928,070	39,365,950	
829+0,000	10,000	0,310	0,430	6,270	0,000	0,000	6,270	217,300,290	13,400	0,680	177,942,150	39,358,140	
830+0,000	10,000	0,000	7,460	3,060	0,000	0,000	3,060	217,303,350	71,620	7,340	178,021,110	39,282,240	
831+0,000	10,000	0,000	13,190	0,000	0,000	0,000	0,000	217,303,350	136,000	70,500	206,500	178,227,610	39,075,740
832+0,000	10,000	0,000	21,270	0,000	0,000	0,000	0,000	217,303,350	144,990	199,590	344,580	178,572,190	38,731,160
833+0,000	10,000	0,000	27,650	0,000	0,000	0,000	0,000	217,303,350	151,560	337,670	489,230	179,061,420	38,241,930
834+0,000	10,000	0,000	29,110	0,000	0,000	0,000	0,000	217,303,350	148,090	419,540	567,630	179,629,050	37,674,300
835+0,000	10,000	0,000	27,100	0,000	0,000	0,000	0,000	217,303,350	145,190	416,860	562,050	180,191,100	37,112,250
836+0,000	10,000	0,000	25,280	0,000	0,000	0,000	0,000	217,303,350	145,630	378,090	523,720	180,714,820	36,588,530
837+0,000	10,000	0,000	23,370	0,000	0,000	0,000	0,000	217,303,350	130,700	355,800	486,500	181,201,320	36,102,030
838+0,000	10,000	0,000	21,040	0,000	0,000	0,000	0,000	217,303,350	128,420	315,700	444,120	181,645,440	35,657,910
839+0,000	10,000	0,000	14,090	0,000	0,000	0,000	0,000	217,303,350	143,770	207,510	351,280	181,996,720	35,306,630
840+0,000	10,000	0,000	46,120	0,000	0,000	0,000	0,000	217,303,350	130,250	471,870	602,120	182,598,840	34,704,510
841+0,000	10,000	0,000	14,240	0,000	0,000	0,000	0,000	217,303,350	137,440	466,220	603,660	183,202,500	34,100,850
842+0,000	10,000	0,000	18,540	0,000	0,000	0,000	0,000	217,303,350	131,440	196,430	327,870	183,530,370	33,772,980
843+0,000	10,000	0,000	18,400	0,000	0,000	0,000	0,000	217,303,350	108,890	260,580	369,470	183,899,840	33,403,510
844+0,000	10,000	0,000	18,880	0,000	0,000	0,000	0,000	217,303,350	129,230	243,640	372,870	184,272,710	33,030,640
845+0,000	10,000	0,000	19,190	0,000	0,000	0,000	0,000	217,303,350	129,220	251,510	380,730	184,653,440	32,649,910
846+0,000	10,000	0,000	21,790	0,000	0,000	0,000	0,000	217,303,350	128,850	280,930	409,780	185,063,220	32,240,130
847+0,000	10,000	0,000	17,790	0,000	0,000	0,000	0,000	217,303,350	140,900	254,890	395,790	185,459,010	31,844,340
848+0,000	10,000	0,000	18,350	0,000	0,000	0,000	0,000	217,303,350	139,940	221,520	361,460	185,820,470	31,482,880
849+0,000	10,000	0,000	21,210	0,000	0,000	0,000	0,000	217,303,350	127,890	267,750	395,640	186,216,110	31,087,240
850+0,000	10,000	0,000	20,520	0,000	0,000	0,000	0,000	217,303,350	127,230	290,070	417,300	186,633,410	30,669,940
851+0,000	10,000	0,000	12,910	0,000	0,000	0,000	0,000	217,303,350	140,870	193,400	334,270	186,967,680	30,335,670
852+0,000	10,000	0,000	6,300	0,000	0,000	0,000	0,000	217,303,350	131,760	60,250	192,010	187,159,690	30,143,660
853+0,000	10,000	0,000	9,150	0,000	0,000	0,000	0,000	217,303,350	117,840	36,640	154,480	187,314,170	29,989,180
854+0,000	10,000	0,000	11,180	0,000	0,000	0,000	0,000	217,303,350	114,620	88,730	203,350	187,517,520	29,785,830
854+8,649	4,320	0,000	10,090	0,000	0,000	0,000	0,000	217,303,350	54,180	37,790	91,970	187,609,490	29,693,860
855+0,000	5,680	0,000	9,430	0,000	0,000	0,000	0,000	217,303,350	77,650	33,110	110,760	187,720,250	29,583,100
856+0,000	10,000	0,000	12,850	0,000	0,000	0,000	0,000	217,303,350	139,330	83,520	222,850	187,943,100	29,360,250
857+0,000	10,000	0,000	9,740	0,000	0,000	0,000	0,000	217,303,350	137,450	88,450	225,900	188,169,000	29,134,350
858+0,000	10,000	0,000	7,520	0,000	0,000	0,000	0,000	217,303,350	123,000	49,580	172,580	188,341,580	28,961,770
858+10,094	5,050	0,000	6,420	0,000	0,000	0,000	0,000	217,303,350	55,220	15,160	70,380	188,411,960	28,891,390
859+0,000	4,950	0,000	7,230	0,000	0,000	0,000	0,000	217,303,350	58,960	8,660	67,620	188,479,580	28,823,770
860+0,000	10,000	0,000	7,680	0,000	0,000	0,000	0,000	217,303,350	122,170	26,910	149,080	188,628,660	28,674,690
861+0,000	10,000	0,000	8,040	0,000	0,000	0,000	0,000	217,303,350	113,750	43,470	157,220	188,785,880	28,517,470
862+0,000	10,000	0,000	10,340	0,000	0,000	0,000	0,000	217,303,350	126,140	57,710	183,850	188,969,730	28,333,620
862+11,539	5,770	0,000	9,330	0,000	0,000	0,000	0,000	217,303,350	78,030	35,460	113,490	189,083,220	28,220,130
863+0,000	4,230	0,000	9,270	0,000	0,000	0,000	0,000	217,303,350	56,990	21,690	78,680	189,161,900	28,141,450
864+0,000	10,000	0,000	6,570	0,000	0,000	0,000	0,000	217,303,350	126,960	31,370	158,330	189,320,230	27,983,120
865+0,000	10,000	0,000	6,930	0,000	0,000	0,000	0,000	217,303,350	118,030	16,880	134,910	189,455,140	27,848,210
866+0,000	10,000	0,000	5,780	0,000	0,000	0,000	0,000	217,303,350	112,950	14,120	127,070	189,582,210	27,721,140
867+0,000	10,000	0,080	4,210	0,760	0,000	0,000	0,760	217,304,110	95,470	4,440	99,910	189,682,120	27,621,990
868+0,000	10,000	0,000	6,150	0,760	0,000	0,000	0,760	217,304,870	93,570	10,020	103,590	189,785,710	27,519,160
869+0,000	10,000	0,000	7,650	0,000	0,000	0,000	0,000	217,304,870	114,460	23,530	137,990	189,923,700	27,381,170
870+0,000	10,000	0,000	9,120	0,000	0,000	0,000	0,000	217,304,870	129,670	37,960	167,630	190,091,350	27,213,520
871+0,000	10,000	0,000	8,660	0,000	0,000	0,000	0,000	217,304,870	122,820	54,930	177,750	190,269,100	27,035,770
872+0,000	10,000	0,000	5,080	0,000	0,000	0,000	0,000	217,304,870	88,850	48,520	137,370	190,406,470	26,898,400
873+0,000	10,000	0,190	2,030	1,890	0,000	0,000	1,890	217,306,760	48,270	22,820	71,090	190,477,560	26,829,200
874+0,000	10,000	2,480	0,140	26,670	0,000	0,000	26,670	217,333,430	16,980	4,760	21,740	190,499,300	26,834,130
875+0,000	10,000	7,030	0,000	95,090	0,000	0,000	95,090	217,428,520	1,440	0,000	1,440	190,500,740	26,927,780
876+0,000	10,000	9,290	0,000	163,210	0,000	0,000	163,210	217,591,730	0,000	0,000	0,000	190,500,740	27,090,990
877+0,000	10,000	9,770	0,000	190,650	0,000	0,000	190,650	217,782,380	0,000	0,000	0,000	190,500,740	27,281,640
878+0,000	10,000	10,240	0,000	200,190	0,000	0,000	200,190	217,982,570	0,000	0,000	0,000	190,500,740	27,481,830
878+10,240	5,120	9,880	0,000	103,060	0,000	0,000	103,060	218,085,630	0,000	0,000	0,000	190,500,740	27,584,890
879+0,000	4,880	10,050	0,000	97,250	0,000	0,000	97,250	218,182,880	0,000	0,000	0,000	190,500,740	27,682,140
880+0,000	10,000	10,450	0,000	205,000	0,000	0,000	205,000	218,387,880	0,000	0,000	0,000	190,500,740	27,887,140
881+0,000	10,000	2,580	0,000	130,300	0,000	0,000	130,300	218,518,180	0,000	0,000	0,000	190,500,740	28,017,440
882+0,000	10,000	0,250	7,530	28,270	0,000	0,000	28,270	218,546,450	49,750	25,510	75,260	190,576,000	27,970,450
882+11,973	5,990	0,000	11,720	1,500	0,000	0,000	1,500	218,547,950	71,550	43,690	115,240	190,691,240	27,856,710
883+0,000	4,010	0,000	15,130	0,000	0,000	0,000	0,000	218,547,950	56,960	50,820	107,780	190,799,020	27,748,930
884+0,000	10,000	0,000	21,000	0,000	0,000	0,000	0,000	218,547,950	151,160	210,160	361,320	191,160,340	27,387,610
885+0,000	10,000	0,000	23,770	0,000	0,000	0,000	0,000	218,547,950	155,430	292,330	447,760	191,608,100	26,939,850
886+0,000	10,000	0,000	28,190	0,000	0,000	0,000	0,000	218,547,950	133,880	385,790	519,670	192,127,770	26,420,180
886+13,706	6,850	0,000	32,130	0,000	0,000	0,000	0,000	218,547,950	89,080	324,330	413,410	192,541,180	26,006,770
887+0,000	3,150	0,000	31,180	0,000	0,000	0,000	0,000	218,547,950	40,910	158,360	199,270	192,740,450	25,807,500
888+0,000	10,000	0,000	18,710	0,000	0,000	0,000	0,000	218,547,950					



Volume de Terraplenagem da MT-388

Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)	
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
891+0,000	10,000	0,000	6,570	0,000	0,000	0,000	0,000	218,547,950	121,850	7,410	129,260	193,802,230	24,745,720
892+0,000	10,000	0,000	6,850	0,000	0,000	0,000	0,000	218,547,950	119,130	15,040	134,170	193,936,400	24,611,550
893+0,000	10,000	0,000	6,380	0,000	0,000	0,000	0,000	218,547,950	113,870	18,380	132,250	194,068,650	24,479,300
894+0,000	10,000	0,000	8,090	0,000	0,000	0,000	0,000	218,547,950	121,320	23,370	144,690	194,213,340	24,334,610
895+0,000	10,000	0,000	10,570	0,000	0,000	0,000	0,000	218,547,950	123,430	63,200	186,630	194,399,970	24,147,980
896+0,000	10,000	0,000	9,930	0,000	0,000	0,000	0,000	218,547,950	124,740	80,240	204,980	194,604,950	23,943,000
897+0,000	10,000	0,000	12,080	0,000	0,000	0,000	0,000	218,547,950	124,750	95,300	220,050	194,825,000	23,722,950
898+0,000	10,000	0,000	15,540	0,000	0,000	0,000	0,000	218,547,950	125,580	150,650	276,230	195,101,230	23,446,720
899+0,000	10,000	0,000	17,870	0,000	0,000	0,000	0,000	218,547,950	125,580	208,590	334,170	195,435,400	23,112,550
900+0,000	10,000	0,000	17,900	0,000	0,000	0,000	0,000	218,547,950	126,940	230,830	357,770	195,793,170	22,754,780
901+0,000	10,000	0,000	14,420	0,000	0,000	0,000	0,000	218,547,950	138,740	184,510	323,250	196,116,420	22,431,530
902+0,000	10,000	0,000	5,440	0,000	0,000	0,000	0,000	218,547,950	118,010	80,590	198,600	196,315,020	22,232,930
903+0,000	10,000	0,030	0,810	0,260	0,000	0,000	0,260	218,548,210	56,830	5,630	62,460	196,377,480	22,170,730
904+0,000	10,000	0,070	1,680	0,920	0,000	0,000	0,920	218,549,130	24,790	0,070	24,860	196,402,340	22,146,790
905+0,000	10,000	0,000	5,100	0,660	0,000	0,000	0,660	218,549,790	63,220	4,620	67,840	196,470,180	22,079,610
906+0,000	10,000	0,000	6,520	0,000	0,000	0,000	0,000	218,549,790	97,430	18,840	116,270	196,586,450	21,963,340
907+0,000	10,000	0,000	6,750	0,000	0,000	0,000	0,000	218,549,790	104,330	28,430	132,760	196,719,210	21,830,580
908+0,000	10,000	0,000	4,930	0,000	0,000	0,000	0,000	218,549,790	96,230	20,620	116,850	196,836,060	21,713,730
909+0,000	10,000	0,100	3,190	1,050	0,000	0,000	1,050	218,550,840	71,550	9,670	81,220	196,917,280	21,633,560
910+0,000	10,000	1,270	0,000	13,760	0,000	0,000	13,760	218,564,600	28,730	3,180	31,910	196,949,190	21,615,410
911+0,000	10,000	6,650	0,000	79,240	0,000	0,000	79,240	218,643,840	0,000	0,000	0,000	196,949,190	21,694,650
912+0,000	10,000	12,520	0,000	191,780	0,000	0,000	191,780	218,835,620	0,000	0,000	0,000	196,949,190	21,886,430
913+0,000	10,000	17,470	0,000	299,910	0,000	0,000	299,910	219,135,530	0,000	0,000	0,000	196,949,190	22,186,340
914+0,000	10,000	23,200	0,000	406,700	0,000	0,000	406,700	219,542,230	0,000	0,000	0,000	196,949,190	22,593,040
915+0,000	10,000	28,770	0,000	519,730	0,000	0,000	519,730	220,061,960	0,000	0,000	0,000	196,949,190	23,112,770
916+0,000	10,000	34,450	0,000	632,180	0,000	0,000	632,180	220,694,140	0,000	0,000	0,000	196,949,190	23,744,950
917+0,000	10,000	35,470	0,000	699,180	0,000	0,000	699,180	221,393,320	0,000	0,000	0,000	196,949,190	24,444,130
918+0,000	10,000	33,040	0,000	685,050	0,000	0,000	685,050	222,078,370	0,000	0,000	0,000	196,949,190	25,129,180
919+0,000	10,000	26,780	0,000	598,180	0,000	0,000	598,180	222,676,550	0,000	0,000	0,000	196,949,190	25,727,360
920+0,000	10,000	4,430	0,640	312,120	0,000	0,000	312,120	222,988,670	6,360	0,000	6,360	196,955,550	26,033,120
921+0,000	10,000	0,000	13,930	44,290	0,000	0,000	44,290	223,032,960	73,210	72,470	145,680	197,101,230	25,931,730
922+0,000	10,000	0,000	25,990	0,000	0,000	0,000	0,000	223,032,960	136,770	262,430	399,200	197,500,430	25,532,530
923+0,000	10,000	0,000	30,250	0,000	0,000	0,000	0,000	223,032,960	127,360	435,050	562,410	196,062,940	24,970,120
924+0,000	10,000	0,000	29,890	0,000	0,000	0,000	0,000	223,032,960	132,430	469,050	601,480	196,664,320	24,368,640
924+13,804	6,900	0,000	35,650	0,000	0,000	0,000	0,000	223,032,960	91,410	361,010	452,420	199,116,740	23,916,220
924+18,804	2,500	0,000	39,530	0,000	0,000	0,000	0,000	223,032,960	28,720	159,230	187,950	199,304,690	23,728,270
925+0,000	0,600	0,000	38,030	0,000	0,000	0,000	0,000	223,032,960	8,040	38,340	46,380	199,351,070	23,681,890
925+3,804	1,900	0,000	32,370	0,000	0,000	0,000	0,000	223,032,960	25,590	108,310	133,900	199,484,970	23,547,990
926+0,000	8,100	0,000	30,710	0,000	0,000	0,000	0,000	223,032,960	93,050	417,760	510,810	199,995,780	23,037,180
927+0,000	10,000	0,000	28,950	0,000	0,000	0,000	0,000	223,032,960	114,900	481,680	596,580	200,592,360	22,440,600
928+0,000	10,000	0,000	24,240	0,000	0,000	0,000	0,000	223,032,960	128,800	405,110	531,910	201,124,270	21,908,690
929+0,000	10,000	0,000	17,730	0,000	0,000	0,000	0,000	223,032,960	139,530	280,230	419,760	201,544,030	21,488,930
930+0,000	10,000	0,000	12,000	0,000	0,000	0,000	0,000	223,032,960	139,130	158,260	297,390	201,841,420	21,191,540
931+0,000	10,000	0,000	8,810	0,000	0,000	0,000	0,000	223,032,960	126,400	81,730	208,130	202,049,550	20,983,410
932+0,000	10,000	0,000	6,850	0,000	0,000	0,000	0,000	223,032,960	110,190	46,390	156,580	202,206,130	20,826,830
933+0,000	10,000	0,000	9,330	0,000	0,000	0,000	0,000	223,032,960	110,190	51,610	161,800	202,367,930	20,665,030
934+0,000	10,000	0,000	13,770	0,000	0,000	0,000	0,000	223,032,960	126,900	104,100	231,000	202,598,930	20,434,030
935+0,000	10,000	0,000	18,620	0,000	0,000	0,000	0,000	223,032,960	126,900	197,000	323,900	202,922,830	20,110,130
936+0,000	10,000	0,000	22,600	0,000	0,000	0,000	0,000	223,032,960	114,900	297,260	412,160	203,334,990	19,697,970
937+0,000	10,000	0,000	22,150	0,000	0,000	0,000	0,000	223,032,960	129,830	317,670	447,500	203,782,490	19,250,470
938+0,000	10,000	0,000	21,330	0,000	0,000	0,000	0,000	223,032,960	138,210	296,670	434,880	204,217,370	18,815,590
939+0,000	10,000	0,000	19,380	0,000	0,000	0,000	0,000	223,032,960	136,590	270,550	407,140	204,624,510	18,408,450
940+0,000	10,000	1,120	15,450	11,210	0,000	0,000	11,210	223,044,170	116,260	232,080	348,340	204,972,850	18,071,320
941+0,000	10,000	5,280	7,520	64,050	0,000	0,000	64,050	223,108,220	86,080	143,670	229,750	205,202,600	17,905,620
942+0,000	10,000	10,630	2,380	159,110	0,000	0,000	159,110	223,267,330	58,930	40,130	99,060	205,301,660	17,965,670
943+0,000	10,000	18,080	0,000	287,060	0,000	0,000	287,060	223,554,390	18,350	5,500	23,850	205,325,510	18,228,880
944+0,000	10,000	19,340	0,000	374,160	0,000	0,000	374,160	223,928,550	0,000	0,000	0,000	205,325,510	18,603,040
945+0,000	10,000	18,350	0,000	376,900	0,000	0,000	376,900	224,305,450	0,000	0,000	0,000	205,325,510	18,979,940
946+0,000	10,000	17,200	0,000	355,540	0,000	0,000	355,540	224,660,990	0,000	0,000	0,000	205,325,510	19,335,480
947+0,000	10,000	13,540	0,000	307,410	0,000	0,000	307,410	224,968,400	0,000	0,000	0,000	205,325,510	19,642,890
948+0,000	10,000	11,540	0,000	250,790	0,000	0,000	250,790	225,219,190	0,000	0,000	0,000	205,325,510	19,893,680
949+0,000	10,000	9,130	0,000	206,680	0,000	0,000	206,680	225,425,870	0,000	0,000	0,000	205,325,510	20,100,360
950+0,000	10,000	4,900	0,140	140,320	0,000	0,000	140,320	225,566,190	1,370	0,000	1,370	205,326,880	20,239,310
951+0,000	10,000	2,140	0,560	70,440	0,000	0,000	70,440	225,636,630	6,950	0,000	6,950	205,333,830	20,302,800
952+0,000	10,000	2,090	1,420	42,350	0,000	0,000	42,350	225,678,980	19,620	0,170	19,790	205,363,620	20,326,360
953+0,000	10,000	0,880	6,870	29,700	0,000	0,000	29,700	225,708,680	64,310	18,650	82,960	205,436,580	20,272,100
954+0,000	10,000	0,050	12,610	9,280	0,000	0,000	9,280	225,717,960	108,270	86,620	194,890	205,631,470	20,086,490
954+12,667	6,330	0,000	18,990	0,320	0,000	0,000	0,320	225,718,280	73,120	127,0			



Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)	
				1º Cat.	2º Cat.	3º Cat.	Volume de Total (m³)						
958+8,837	4,420	0,000	35,620	0,000	0,000	0,000	0,000	225.718,280	69,300	254,390	323,690	208,080,190	17,638,090
959+0,000	5,580	0,000	36,090	0,000	0,000	0,000	0,000	225.718,280	75,770	324,480	400,250	208,480,440	17,237,840
960+0,000	10,000	0,000	30,860	0,000	0,000	0,000	0,000	225.718,280	114,900	554,590	669,490	209,149,930	16,568,350
961+0,000	10,000	0,000	21,100	0,000	0,000	0,000	0,000	225.718,280	114,900	404,740	519,640	209,669,570	16,048,710
962+0,000	10,000	0,000	14,700	0,000	0,000	0,000	0,000	225.718,280	114,900	243,150	358,050	210,027,620	15,690,660
962+5,008	2,500	0,000	12,090	0,000	0,000	0,000	0,000	225.718,280	31,540	35,530	67,070	210,094,690	15,623,590
963+0,000	7,500	0,000	10,200	0,000	0,000	0,000	0,000	225.718,280	93,570	73,470	167,040	210,261,730	15,456,550
964+0,000	10,000	0,090	4,820	0,940	0,000	0,000	0,940	225.719,220	104,440	45,670	150,110	210,411,840	15,307,380
965+0,000	10,000	0,000	3,850	0,940	0,000	0,000	0,940	225.720,160	81,990	4,690	86,680	210,498,520	15,221,640
966+0,000	10,000	0,340	5,510	3,370	0,000	0,000	3,370	225.723,520	88,910	4,690	93,600	210,592,120	15,131,410
967+0,000	10,000	0,230	5,740	5,660	0,000	0,000	5,660	225.729,190	102,120	10,390	112,510	210,704,630	15,024,560
968+0,000	10,000	0,070	7,410	2,960	0,000	0,000	2,960	225.732,150	101,850	29,630	131,480	210,836,110	14,896,040
969+0,000	10,000	0,000	10,490	0,670	0,000	0,000	0,670	225.732,820	121,600	57,360	178,960	211,015,070	14,771,750
970+0,000	10,000	0,000	12,470	0,000	0,000	0,000	0,000	225.732,820	130,420	99,200	229,620	211,244,690	14,488,130
971+0,000	10,000	0,000	12,710	0,000	0,000	0,000	0,000	225.732,820	127,170	124,620	251,790	211,496,480	14,236,340
972+0,000	10,000	0,000	12,050	0,000	0,000	0,000	0,000	225.732,820	132,630	114,910	247,540	211,744,020	13,988,800
973+0,000	10,000	0,000	11,120	0,000	0,000	0,000	0,000	225.732,820	136,660	94,960	231,640	211,975,660	13,757,160
974+0,000	10,000	0,000	9,060	0,000	0,000	0,000	0,000	225.732,820	125,000	76,780	201,780	212,177,440	13,555,380
975+0,000	10,000	0,000	9,740	0,000	0,000	0,000	0,000	225.732,820	114,900	73,130	188,030	212,365,470	13,367,350
976+0,000	10,000	0,000	11,800	0,000	0,000	0,000	0,000	225.732,820	126,620	88,820	215,440	212,580,910	13,151,910
977+0,000	10,000	0,000	12,830	0,000	0,000	0,000	0,000	225.732,820	139,060	107,260	246,320	212,827,230	12,905,590
978+0,000	10,000	0,000	12,740	0,000	0,000	0,000	0,000	225.732,820	138,800	116,900	255,700	213,082,930	12,649,890
979+0,000	10,000	0,000	10,910	0,000	0,000	0,000	0,000	225.732,820	139,450	97,060	236,510	213,319,440	12,413,380
980+0,000	10,000	0,000	6,390	0,000	0,000	0,000	0,000	225.732,820	130,120	42,840	172,960	213,492,400	12,240,420
981+0,000	10,000	0,000	2,870	0,000	0,000	0,000	0,000	225.732,820	85,650	6,940	92,590	213,584,990	12,147,830
982+0,000	10,000	0,000	6,740	0,000	0,000	0,000	0,000	225.732,820	85,350	10,780	96,130	213,681,120	12,051,700
983+0,000	10,000	0,000	21,330	0,000	0,000	0,000	0,000	225.732,820	127,670	153,020	280,690	213,961,810	11,771,010
984+0,000	10,000	0,000	26,250	0,000	0,000	0,000	0,000	225.732,820	125,830	349,990	475,820	214,437,630	11,295,190
985+0,000	10,000	0,000	40,220	0,000	0,000	0,000	0,000	225.732,820	135,010	529,670	664,680	215,102,310	10,630,510
986+0,000	10,000	0,000	17,690	0,000	0,000	0,000	0,000	225.732,820	146,910	432,120	579,030	215,681,340	10,051,480
987+0,000	10,000	0,000	7,560	0,000	0,000	0,000	0,000	225.732,820	124,400	128,100	252,500	215,933,840	9,798,980
988+0,000	10,000	2,180	2,270	21,820	0,000	0,000	21,820	225.754,640	77,390	20,950	98,340	216,032,180	9,722,460
989+0,000	10,000	8,940	0,150	111,230	0,000	0,000	111,230	225.865,870	23,800	0,370	24,170	216,066,350	9,809,520
990+0,000	10,000	19,040	0,000	279,760	0,000	0,000	279,760	226.145,630	1,460	0,000	1,460	216,057,810	10,087,820
991+0,000	10,000	26,030	0,520	450,630	0,000	0,000	450,630	226.596,260	3,120	2,100	5,220	216,063,030	10,533,230
992+0,000	10,000	34,600	0,000	606,280	0,000	0,000	606,280	227.202,540	3,120	2,100	5,220	216,068,250	11,134,290
993+0,000	10,000	39,170	0,000	737,740	0,000	0,000	737,740	227.940,280	0,000	0,000	0,000	216,068,250	11,872,030
994+0,000	10,000	32,930	0,000	720,990	0,000	0,000	720,990	228.661,270	0,000	0,000	0,000	216,068,250	12,593,020
995+0,000	10,000	26,020	0,000	589,430	0,000	0,000	589,430	229.250,700	0,000	0,000	0,000	216,068,250	13,182,450
996+0,000	10,000	22,830	0,000	488,430	0,000	0,000	488,430	229.739,130	0,000	0,000	0,000	216,068,250	13,670,880
997+0,000	10,000	18,020	0,000	408,450	0,000	0,000	408,450	230.147,580	0,000	0,000	0,000	216,068,250	14,079,330
997+15,865	7,930	17,910	0,090	284,990	0,000	0,000	284,990	230.432,570	0,200	0,480	0,680	216,068,930	14,363,640
998+0,000	2,070	17,360	0,260	72,920	0,000	0,000	72,920	230.505,490	0,160	0,560	0,720	216,069,650	14,435,840
999+0,000	10,000	15,830	0,060	331,950	0,000	0,000	331,950	230.837,440	0,710	2,530	3,240	216,072,890	14,764,550
1000+0,000	10,000	11,560	0,660	273,960	0,000	0,000	273,960	231.111,400	6,800	0,450	7,250	216,080,140	15,031,260
1001+0,000	10,000	3,780	3,410	153,480	0,000	0,000	153,480	231.264,880	40,720	0,000	40,720	216,120,860	15,144,020
1001+18,861	9,430	0,000	10,810	35,670	0,000	0,000	35,670	231.300,550	86,320	47,760	134,080	216,254,940	15,045,610
1002+0,000	0,570	0,000	11,280	0,000	0,000	0,000	0,000	231.300,550	7,400	5,180	12,580	216,267,520	15,033,030
1003+0,000	10,000	0,000	14,060	0,000	0,000	0,000	0,000	231.300,550	129,900	123,570	253,470	216,520,990	14,779,560
1004+0,000	10,000	3,260	8,900	26,112	6,528	0,000	32,640	231.333,190	104,490	125,150	229,640	216,750,630	14,582,560
1005+0,000	10,000	8,910	2,110	97,392	24,348	0,000	121,740	231.454,930	67,200	42,880	110,080	216,860,710	14,594,220
1006+0,000	10,000	15,180	0,070	192,688	48,172	0,000	240,860	231.695,790	20,850	0,940	21,790	216,882,500	14,813,290
1006+1,857	0,930	15,630	0,030	22,888	5,722	0,000	28,610	231.724,400	0,090	0,000	0,090	216,882,590	14,841,810
1007+0,000	9,070	21,700	0,000	270,928	67,732	0,000	338,660	232.063,060	0,240	0,000	0,240	216,882,830	15,180,230
Início do Alargamento do Corte intervalo 1008+0,00 a 1028+0,00													
1008+0,000	10,000	26,540	0,000	385,960	96,490	0,000	482,450	232.545,510	0,000	0,000	0,000	216,882,830	15,662,680
1009+0,000	10,000	29,460	0,000	447,976	111,994	0,000	559,970	233.105,480	0,000	0,000	0,000	216,882,830	16,222,650
1010+0,000	10,000	31,180	0,000	485,088	121,272	0,000	606,360	233.711,840	0,000	0,000	0,000	216,882,830	16,829,010
1011+0,000	10,000	54,720	0,000	687,160	171,790	0,000	858,950	234.570,790	0,000	0,000	0,000	216,882,830	17,687,960
1012+0,000	10,000	66,010	0,000	965,776	241,444	0,000	1.207,220	235.778,010	0,000	0,000	0,000	216,882,830	18,895,180
1013+0,000	10,000	77,070	0,000	1.144,576	286,144	0,000	1.430,720	237.208,730	0,000	0,000	0,000	216,882,830	20,325,900
1014+0,000	10,000	106,570	0,000	1.469,048	367,262	0,000	1.836,310	239.045,040	0,000	0,000	0,000	216,882,830	22,162,210
1015+0,000	10,000	108,410	0,000	1.719,808	429,952	0,000	2.149,760	241.194,800	0,000	0,000	0,000	216,882,830	24,311,970
1016+0,000	10,000	103,550	0,000	1.695,688	423,922	0,000	2.119,610	243.314,410	0,000	0,000	0,000	216,882,830	26,431,580
1017+0,000	10,000	99,590	0,000	1.625,152	406,288	0,000	2.031,440	245.345,850	0,000	0,000	0,000	216,882,830	28,463,020
1018+0,000	10,000	96,840	0,000	1.571,448	392,862	0,000	1.964,310	247.310,160	0,000	0,000	0,000	216,882,830	30,427,330
1019+0,000	10,000	93,440	0,000	1.522,208	380,552	0,000	1.902,760	249.212,920	0,000	0,000	0,000	216,882,830	32,330,090
1020+0,000	10,000	80,760	0,000	1.393,616	348,404	0,000	1.742,020	250.954,940	0,000	0,000	0,000	216,882,830	34,072,110
1021+0,000	10,000	71,840	0,000	1.220,848	305,212	0,000	1.526,060	252.481,000	0,000	0,000	0,000	216,882,830	35,598,170
1022+0,000	10,000	62,320	0,000	1.073,320	268,330	0,000	1.341,650	253.822,650	0,000	0,000	0,000	216,882,830	36,939,820
1023+0,000	10,000	53,630</											



Volume de Terraplenagem da MT-388														
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)				Vol. Acum. Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)	
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)							
1025+0,000	10,000	33,880	0,000	602,600	150,650	0,000	753,250	256,686,140	0,000	0,000	0,000	216,882,830	39,803,310	
1026+0,000	10,000	25,520	0,000	475,184	118,796	0,000	593,980	257,280,120	0,000	0,000	0,000	216,882,830	40,397,290	
1027+0,000	10,000	16,510	0,000	336,280	84,070	0,000	420,350	257,700,470	0,000	0,000	0,000	216,882,830	40,817,640	
1028+0,000	10,000	14,130	0,000	245,128	61,282	0,000	306,410	258,006,880	0,000	0,000	0,000	216,882,830	41,124,050	
Final do Alargamento do Corte Intervalo 1008+0,00 a 1028+0,00														
1029+0,000	10,000	11,120	0,400	201,976	50,494	0,000	252,470	258,259,350	4,000	0,000	4,000	216,886,830	41,372,520	
1030+0,000	10,000	8,210	0,610	154,600	38,650	0,000	193,250	258,452,600	10,010	0,060	10,070	216,896,900	41,565,700	
1031+0,000	10,000	7,070	0,790	122,256	30,564	0,000	152,820	258,605,420	13,920	0,060	13,980	216,910,880	41,694,540	
1032+0,000	10,000	5,980	0,090	104,480	26,120	0,000	130,600	258,736,020	8,840	0,000	8,840	216,919,720	41,816,300	
1033+0,000	10,000	5,310	0,000	90,384	22,596	0,000	112,980	258,849,000	0,930	0,000	0,930	216,920,650	41,928,350	
1034+0,000	10,000	5,340	0,000	85,232	21,308	0,000	106,540	258,955,540	0,000	0,000	0,000	216,920,650	42,034,890	
1035+0,000	10,000	2,380	0,000	61,800	15,450	0,000	77,250	259,032,790	0,000	0,000	0,000	216,920,650	42,112,140	
1036+0,000	10,000	1,690	1,410	32,640	8,160	0,000	40,800	259,073,590	14,070	0,000	14,070	216,934,720	42,138,870	
1037+0,000	10,000	0,240	5,200	15,456	3,864	0,000	19,320	259,092,910	64,870	1,210	66,080	217,000,800	42,092,110	
1037+15,302	7,650	0,010	8,040	1,512	0,378	0,000	1,890	259,094,800	84,400	16,930	101,330	217,102,130	41,992,670	
1038+0,000	2,350	0,000	8,640	0,016	0,004	0,000	0,020	259,094,820	27,950	11,230	39,180	217,141,310	41,953,510	
1038+5,920	2,960	0,000	9,900	0,000	0,000	0,000	0,000	259,094,820	34,610	20,260	54,870	217,196,180	41,898,640	
1038+16,920	5,500	0,000	11,130	0,000	0,000	0,000	0,000	259,094,820	64,770	50,930	115,700	217,311,880	41,782,940	
1039+0,000	1,540	0,000	11,090	0,000	0,000	0,000	0,000	259,094,820	18,110	16,120	34,230	217,346,110	41,748,710	
1039+18,537	9,270	0,000	13,400	0,000	0,000	0,000	0,000	259,094,820	107,330	119,470	226,800	217,572,910	41,521,910	
1040+0,000	0,730	0,000	13,540	0,000	0,000	0,000	0,000	259,094,820	9,170	10,530	19,700	217,592,610	41,502,210	
1041+0,000	10,000	0,000	14,180	0,000	0,000	0,000	0,000	259,094,820	137,200	139,650	276,850	217,869,460	41,225,360	
1041+5,920	2,960	0,000	13,800	0,000	0,000	0,000	0,000	259,094,820	41,790	41,030	82,820	217,952,280	41,142,540	
1042+0,000	7,040	0,000	14,400	0,000	0,000	0,000	0,000	259,094,820	92,130	106,110	198,240	218,150,520	40,944,300	
1043+0,000	10,000	0,000	16,000	0,000	0,000	0,000	0,000	259,094,820	131,970	171,920	303,890	218,454,410	40,640,410	
1044+0,000	10,000	0,000	17,510	0,000	0,000	0,000	0,000	259,094,820	135,860	200,120	335,980	218,790,390	40,304,430	
1045+0,000	10,000	0,290	15,440	2,900	0,000	0,000	2,900	259,097,720	114,600	216,870	331,470	219,121,860	39,975,860	
1046+0,000	10,000	0,480	11,060	7,660	0,000	0,000	7,660	259,105,380	103,140	164,170	267,310	219,389,170	39,716,210	
1047+0,000	10,000	0,080	8,320	5,560	0,000	0,000	5,560	259,110,940	89,790	106,010	195,800	219,584,970	39,525,970	
1047+1,891	0,950	0,050	8,550	0,120	0,000	0,000	0,120	259,111,060	8,670	7,280	15,950	219,600,920	39,510,140	
1048+0,000	9,050	0,050	7,370	0,840	0,000	0,000	0,840	259,111,900	95,250	50,280	145,530	219,746,450	39,365,450	
1049+0,000	10,000	0,270	8,190	3,080	0,000	0,000	3,080	259,114,980	83,670	73,550	157,220	219,903,670	39,211,310	
1050+0,000	10,000	0,030	10,590	2,880	0,000	0,000	2,880	259,117,860	76,950	112,620	189,570	220,093,240	39,024,620	
1051+0,000	10,000	0,230	11,510	2,490	0,000	0,000	2,490	259,120,350	93,640	128,920	222,560	220,315,800	38,804,550	
1052+0,000	10,000	0,170	10,000	3,910	0,000	0,000	3,910	259,124,260	103,720	112,690	216,410	220,532,210	38,592,050	
1052+17,863	8,930	0,040	8,330	1,840	0,000	0,000	1,840	259,126,100	99,570	64,950	164,520	220,696,730	38,429,370	
1053+0,000	1,070	0,020	8,260	0,070	0,000	0,000	0,070	259,126,170	12,440	5,280	17,720	220,714,450	38,411,720	
1054+0,000	10,000	0,000	6,960	0,230	0,000	0,000	0,230	259,126,400	119,610	32,820	152,430	220,866,880	38,259,520	
1054+5,245	2,620	0,000	6,900	0,000	0,000	0,000	0,000	259,126,400	31,960	4,400	36,360	220,903,240	38,223,160	
1055+0,000	7,380	0,350	4,850	2,600	0,000	0,000	2,600	259,129,000	75,750	10,920	86,670	220,989,910	38,139,090	
1055+6,863	3,430	0,170	4,770	1,790	0,000	0,000	1,790	259,130,790	28,980	4,020	33,000	221,022,910	38,107,880	
1055+17,863	5,500	0,000	5,860	0,940	0,000	0,000	0,940	259,131,730	52,230	6,220	58,450	221,081,360	38,050,370	
1056+0,000	1,070	0,000	5,660	0,000	0,000	0,000	0,000	259,131,730	10,940	1,370	12,310	221,093,670	38,038,060	
1056+8,481	4,240	0,400	3,400	1,700	0,000	0,000	1,700	259,133,430	34,580	3,820	38,400	221,132,070	38,001,360	
1057+0,000	5,760	1,440	3,220	10,630	0,000	0,000	10,630	259,144,060	36,530	1,570	38,100	221,170,170	37,973,890	
1058+0,000	10,000	1,770	3,440	32,150	0,000	0,000	32,150	259,176,210	63,830	2,750	66,580	221,236,750	37,939,460	
1059+0,000	10,000	2,210	2,440	39,800	0,000	0,000	39,800	259,216,010	54,720	4,080	58,800	221,295,550	37,920,460	
1060+0,000	10,000	1,960	1,940	41,720	0,000	0,000	41,720	259,257,730	41,910	1,860	43,770	221,339,320	37,918,410	
1061+0,000	10,000	1,280	3,030	32,470	0,000	0,000	32,470	259,290,200	47,100	2,520	49,620	221,388,940	37,901,260	
1062+0,000	10,000	1,330	1,980	26,190	0,000	0,000	26,190	259,316,390	48,100	2,000	50,100	221,439,040	37,877,350	
1063+0,000	10,000	1,610	0,850	29,440	0,000	0,000	29,440	259,345,830	28,310	0,000	28,310	221,467,350	37,878,480	
1064+0,000	10,000	2,010	0,010	36,190	0,000	0,000	36,190	259,382,020	8,590	0,000	8,590	221,475,940	37,906,080	
1065+0,000	10,000	1,540	0,810	35,510	0,000	0,000	35,510	259,417,530	7,840	0,430	8,270	221,484,210	37,933,320	
1066+0,000	10,000	0,760	0,680	22,990	0,000	0,000	22,990	259,440,520	14,530	0,430	14,960	221,499,170	37,941,350	
1067+0,000	10,000	0,190	1,560	9,440	0,000	0,000	9,440	259,449,960	21,990	0,430	22,420	221,521,590	37,928,370	
1068+0,000	10,000	0,110	1,500	2,960	0,000	0,000	2,960	259,452,920	29,640	0,990	30,630	221,552,220	37,900,700	
1069+0,000	10,000	0,000	2,160	1,080	0,000	0,000	1,080	259,454,000	35,590	1,050	36,640	221,588,860	37,865,140	
1070+0,000	10,000	0,000	5,190	0,000	0,000	0,000	0,000	259,454,000	61,600	11,900	73,500	221,662,360	37,791,640	
1071+0,000	10,000	0,860	3,500	8,570	0,000	0,000	8,570	259,462,570	74,920	12,010	86,930	221,749,290	37,713,280	
1072+0,000	10,000	0,110	3,650	9,720	0,000	0,000	9,720	259,472,290	61,900	9,660	71,560	221,820,850	37,651,440	
1073+0,000	10,000	0,880	3,330	9,950	0,000	0,000	9,950	259,482,240	58,470	11,390	69,860	221,890,710	37,591,530	
1074+0,000	10,000	0,940	4,680	18,240	0,000	0,000	18,240	259,500,480	71,100	9,090	80,190	221,970,900	37,529,580	
1075+0,000	10,000	0,000	4,640	9,430	0,000	0,000	9,430	259,509,910	81,160	12,140	93,300	222,064,200	37,445,710	
1076+0,000	10,000	0,660	4,120	6,620	0,000	0,000	6,620	259,516,530	79,190	8,490	87,680	222,151,880	37,364,650	
1077+0,000	10,000	0,570	2,600	12,290	0,000	0,000	12,290	259,528,820	63,830	3,420	67,250	222,219,130	37,309,690	
1078+0,000	10,000	0,260	1,960	8,240	0,000	0,000	8,240	259,537,060	45,170	0,420	45,590	222,264,720	37,272,340	
1079+0,000	10,000	0,690	2,850	9,490	0,000	0,000	9,490	259,546,550	46,940	1,140	48,080	222,312,800	37,233,750	
1080+0,000	10,000	2,410	1,610	30,990	0,000	0,000	30,990	259,577,540	43,590	1,040	44,630	222,357,430	37,220,110	
1081+0,000	10,000	3,850	0,140	62,600	0,000	0,000	62,600	259,640,140	17,530	0,000	17,530	222,374,960	37,265,180	
1082+0,000	10,000	6,780	0,000	106,330	0,000	0,000	106,330	259,746,470	1,410	0,000	1,410	222,376,370	37,370,100	
1083+0,000	10,000	8,120	0,000	149,040	0,000	0,000	149,040	259,895,510	0,000					



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Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)	Vol. Acum. Corte (m³)					
1085+0,000	10,000	14,180	0,000	291,660	0,000	0,000	291,660	260,418,320	0,000	0,000	222,376,370	38,041,950	
1086+0,000	10,000	17,050	0,000	312,300	0,000	0,000	312,300	260,730,620	0,000	0,000	222,376,370	38,354,250	
1087+0,000	10,000	12,440	0,000	294,950	0,000	0,000	294,950	261,025,570	0,000	0,000	222,376,370	38,649,200	
1088+0,000	10,000	0,000	4,100	124,420	0,000	0,000	124,420	261,149,990	29,670	11,300	222,417,340	38,732,650	
1089+0,000	10,000	0,000	21,880	0,000	0,000	0,000	0,000	261,149,990	102,330	157,400	222,677,070	38,472,920	
1090+0,000	10,000	0,000	42,110	0,000	0,000	0,000	0,000	261,149,990	130,110	509,770	223,316,950	37,833,040	
1091+0,000	10,000	0,000	41,530	0,000	0,000	0,000	0,000	261,149,990	114,900	721,500	224,153,350	36,996,640	
1092+0,000	10,000	0,000	49,520	0,000	0,000	0,000	0,000	261,149,990	141,870	768,630	225,063,850	36,086,140	
1093+0,000	10,000	0,000	52,460	0,000	0,000	0,000	0,000	261,149,990	163,290	856,570	226,083,710	35,066,280	
1094+0,000	10,000	0,000	49,140	0,000	0,000	0,000	0,000	261,149,990	160,950	855,110	227,099,770	34,050,220	
1095+0,000	10,000	0,000	31,550	0,000	0,000	0,000	0,000	261,149,990	158,650	648,300	227,906,720	33,243,270	
1096+0,000	10,000	0,000	17,880	0,000	0,000	0,000	0,000	261,149,990	149,770	344,510	228,401,000	32,748,990	
1097+0,000	10,000	0,000	8,760	0,000	0,000	0,000	0,000	261,149,990	128,990	137,430	228,667,380	32,482,610	
1098+0,000	10,000	0,000	4,910	0,000	0,000	0,000	0,000	261,149,990	96,420	40,310	228,804,110	32,345,880	
1099+0,000	10,000	1,030	0,620	10,300	0,000	0,000	10,300	261,160,290	46,840	8,440	228,859,390	32,300,900	
1100+0,000	10,000	4,500	0,000	55,300	0,000	0,000	55,300	261,215,590	6,190	0,000	228,865,580	32,350,010	
1101+0,000	10,000	5,160	0,000	96,590	0,000	0,000	96,590	261,312,180	0,000	0,000	228,865,580	32,446,600	
1102+0,000	10,000	6,630	0,000	117,850	0,000	0,000	117,850	261,430,030	0,000	0,000	228,865,580	32,564,450	
1103+0,000	10,000	9,670	0,000	162,940	0,000	0,000	162,940	261,592,970	0,000	0,000	228,865,580	32,727,390	
1104+0,000	10,000	10,010	0,000	196,810	0,000	0,000	196,810	261,789,780	0,000	0,000	228,865,580	32,924,200	
1105+0,000	10,000	8,460	0,000	184,750	0,000	0,000	184,750	261,974,530	0,000	0,000	228,865,580	33,108,950	
1106+0,000	10,000	4,270	0,040	127,350	0,000	0,000	127,350	262,101,880	0,400	0,000	228,865,980	33,235,900	
1107+0,000	10,000	3,520	0,230	77,940	0,000	0,000	77,940	262,179,820	2,660	0,000	228,868,640	33,311,180	
1108+0,000	10,000	0,440	1,900	39,640	0,000	0,000	39,640	262,219,460	21,290	0,000	228,889,390	33,329,530	
1108+17,459	8,730	8,730	0,000	4,930	3,880	0,000	3,880	262,223,340	58,110	1,550	228,949,590	33,273,750	
1109+0,000	1,270	0,000	5,200	0,000	0,000	0,000	0,000	262,223,340	12,620	0,250	228,962,460	33,260,880	
1110+0,000	10,000	0,000	7,710	0,000	0,000	0,000	0,000	262,223,340	109,250	19,840	229,091,550	33,131,790	
1111+0,000	10,000	0,000	10,790	0,000	0,000	0,000	0,000	262,223,340	125,770	59,270	229,276,590	32,946,750	
1112+0,000	10,000	0,000	14,260	0,000	0,000	0,000	0,000	262,223,340	134,780	115,740	229,527,110	32,696,230	
1113+0,000	10,000	0,000	18,040	0,000	0,000	0,000	0,000	262,223,340	135,330	187,640	229,860,080	32,373,260	
1114+0,000	10,000	0,000	21,050	0,000	0,000	0,000	0,000	262,223,340	137,560	253,320	230,240,960	31,982,380	
1115+0,000	10,000	0,000	21,920	0,000	0,000	0,000	0,000	262,223,340	137,950	291,750	230,670,660	31,552,680	
1115+11,421	5,710	0,000	23,230	0,000	0,000	0,000	0,000	262,223,340	79,030	178,790	230,928,480	31,294,860	
1116+0,000	4,290	0,000	23,690	0,000	0,000	0,000	0,000	262,223,340	54,300	146,960	231,129,740	31,093,600	
1117+0,000	10,000	0,000	25,250	0,000	0,000	0,000	0,000	262,223,340	130,410	359,010	231,619,160	30,604,180	
1118+0,000	10,000	0,000	26,010	0,000	0,000	0,000	0,000	262,223,340	130,410	382,240	232,131,810	30,091,530	
1119+0,000	10,000	0,000	29,760	0,000	0,000	0,000	0,000	262,223,340	114,900	442,810	232,689,520	29,533,820	
1120+0,000	10,000	0,000	30,710	0,000	0,000	0,000	0,000	262,223,340	114,900	489,780	233,294,200	28,929,140	
1121+0,000	10,000	0,000	24,770	0,000	0,000	0,000	0,000	262,223,340	135,780	419,030	233,849,010	28,374,330	
1122+0,000	10,000	0,000	29,250	0,000	0,000	0,000	0,000	262,223,340	135,780	404,420	234,389,210	27,834,130	
1122+5,383	2,690	0,000	31,320	0,000	0,000	0,000	0,000	262,223,340	36,270	126,730	234,562,210	27,671,130	
1123+0,000	7,310	0,000	32,430	0,000	0,000	0,000	0,000	262,223,340	112,590	353,330	235,018,130	27,205,210	
1124+0,000	10,000	0,000	34,110	0,000	0,000	0,000	0,000	262,223,340	153,250	512,140	235,683,520	26,539,820	
1125+0,000	10,000	0,000	31,340	0,000	0,000	0,000	0,000	262,223,340	147,670	506,800	236,337,990	25,885,350	
1126+0,000	10,000	0,000	27,540	0,000	0,000	0,000	0,000	262,223,340	150,020	438,760	236,926,770	25,296,570	
1127+0,000	10,000	0,000	27,570	0,000	0,000	0,000	0,000	262,223,340	146,890	404,180	237,477,840	24,745,500	
1128+0,000	10,000	0,000	15,570	0,000	0,000	0,000	0,000	262,223,340	139,110	292,260	237,909,210	24,314,130	
1129+0,000	10,000	0,000	10,130	0,000	0,000	0,000	0,000	262,223,340	125,010	131,980	238,166,200	24,057,140	
1130+0,000	10,000	0,020	6,460	0,190	0,000	0,000	0,190	262,223,530	108,790	57,140	238,332,130	23,891,400	
1131+0,000	10,000	0,000	10,300	0,190	0,000	0,000	0,190	262,223,720	120,580	47,030	238,499,740	23,723,980	
1132+0,000	10,000	0,000	11,840	0,000	0,000	0,000	0,000	262,223,720	132,680	88,730	238,721,150	23,502,570	
1133+0,000	10,000	1,500	8,690	15,030	0,000	0,000	15,030	262,238,750	95,470	109,860	238,926,480	23,312,270	
1134+0,000	10,000	6,260	5,170	77,630	0,000	0,000	77,630	262,316,380	62,480	76,090	239,065,050	23,251,330	
1135+0,000	10,000	9,750	2,520	160,140	0,000	0,000	160,140	262,476,520	53,350	23,510	239,141,910	23,334,610	
1136+0,000	10,000	12,590	0,460	223,410	0,000	0,000	223,410	262,699,930	23,990	5,830	239,171,730	23,528,200	
1137+0,000	10,000	15,580	0,000	281,680	0,000	0,000	281,680	262,981,610	4,610	0,000	239,176,340	23,805,270	
1138+0,000	10,000	13,490	0,000	290,750	0,000	0,000	290,750	263,272,360	0,000	0,000	239,176,340	24,096,020	
1139+0,000	10,000	25,030	0,000	385,230	0,000	0,000	385,230	263,657,590	0,000	0,000	239,176,340	24,481,250	
1140+0,000	10,000	31,770	0,000	567,940	0,000	0,000	567,940	264,225,530	0,000	0,000	239,176,340	25,049,190	
1141+0,000	10,000	19,580	0,000	513,500	0,000	0,000	513,500	264,739,030	0,000	0,000	239,176,340	25,562,690	
1142+0,000	10,000	13,340	0,000	329,230	0,000	0,000	329,230	265,068,260	0,000	0,000	239,176,340	25,891,920	
1143+0,000	10,000	7,940	0,000	212,810	0,000	0,000	212,810	265,281,070	0,000	0,000	239,176,340	26,104,730	
1144+0,000	10,000	3,980	0,210	119,210	0,000	0,000	119,210	265,400,280	2,130	0,000	239,178,470	26,221,810	
1145+0,000	10,000	2,940	1,370	69,220	0,000	0,000	69,220	265,469,500	15,850	0,000	239,194,320	26,275,180	
1146+0,000	10,000	1,840	2,320	47,790	0,000	0,000	47,790	265,517,290	34,730	2,170	239,231,220	26,286,070	
1147+0,000	10,000	1,580	1,660	34,140	0,000	0,000	34,140	265,551,430	37,570	2,170	239,270,960	26,280,470	
1148+0,000	10,000	7,740	0,000	93,200	0,000	0,000	93,200	265,644,630	16,560	0,000	239,287,520	26,357,110	
1149+0,000	10,000	4,210	0,000	119,550	0,000	0,000	119,550	265,764,180	0,000	0,000	239,287,520	26,476,660	
1150+0,000	10,000	1,380	1,370	55,900	0,000	0,000	55,900	265,820,080	13,730	0,000	239,301,250	26,518,830	
1151+0,000	10,000	2,010	3,030	33,890	0,000	0,000	33,890	265,853,970	42,610	1,390	239,345,250	26,508,720	
1152+0,000	10,000	1,690	4,190	37,020	0,000	0,000	37,020	265,890,990	68,930	3,250	239,417,430	26,473,560	
1153+0,000	10,000	1,230	7,520	29,200	0,000	0,000	29,200	265,920,190	93,220	23,880	239,534,530	26,385,660	



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Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)						
				Vol. Acum. Corte (m³)	Vol. Acum. Final (m³)								
1154+0,000	10,000	1,600	10,120	28,350	0,000	0,000	28,350	265,948,540	108,230	68,150	176,380	239,710,910	26,237,630
1155+0,000	10,000	1,280	11,190	28,820	0,000	0,000	28,820	265,977,360	99,480	113,580	213,060	239,923,970	26,053,390
1156+0,000	10,000	0,000	12,440	12,770	0,000	0,000	12,770	265,990,130	113,420	122,810	236,230	240,160,200	25,829,930
1157+0,000	10,000	0,310	14,250	3,100	0,000	0,000	3,100	265,993,230	118,970	147,900	266,870	240,427,070	25,566,160
1158+0,000	10,000	0,430	14,150	7,390	0,000	0,000	7,390	266,000,620	110,210	173,800	284,010	240,711,080	25,289,540
1159+0,000	10,000	0,000	8,560	4,290	0,000	0,000	4,290	266,004,910	117,410	109,680	227,090	240,938,170	25,066,740
1160+0,000	10,000	0,000	13,800	0,000	0,000	0,000	0,000	266,004,910	114,590	108,990	223,580	241,161,750	24,843,160
1161+0,000	10,000	0,000	12,840	0,000	0,000	0,000	0,000	266,004,910	112,740	153,690	266,430	241,428,180	24,576,730
1162+0,000	10,000	0,000	12,240	0,000	0,000	0,000	0,000	266,004,910	111,690	139,150	250,840	241,679,020	24,325,890
1163+0,000	10,000	0,050	9,260	0,470	0,000	0,000	0,470	266,005,380	120,750	94,300	215,050	241,894,070	24,111,310
1164+0,000	10,000	0,160	9,210	2,040	0,000	0,000	2,040	266,007,420	123,610	61,100	184,710	242,078,780	23,928,640
1165+0,000	10,000	0,300	10,460	4,600	0,000	0,000	4,600	266,012,020	107,690	89,020	196,710	242,275,490	23,736,530
1166+0,000	10,000	0,520	10,440	8,220	0,000	0,000	8,220	266,020,240	103,160	105,890	209,050	242,484,540	23,535,700
1167+0,000	10,000	0,840	8,370	13,590	0,000	0,000	13,590	266,033,830	91,270	96,780	188,050	242,672,590	23,361,240
1168+0,000	10,000	1,310	7,570	21,540	0,000	0,000	21,540	266,055,370	81,410	77,940	159,350	242,831,940	23,223,430
1169+0,000	10,000	1,720	7,160	30,330	0,000	0,000	30,330	266,085,700	74,330	72,940	147,270	242,979,210	23,106,490
1170+0,000	10,000	1,180	9,260	28,980	0,000	0,000	28,980	266,114,680	83,690	80,510	164,200	243,143,410	22,971,270
1171+0,000	10,000	0,050	8,960	12,310	0,000	0,000	12,310	266,126,990	101,380	80,870	182,250	243,325,660	22,801,330
1172+0,000	10,000	1,360	7,370	14,150	0,000	0,000	14,150	266,141,140	97,600	65,760	163,360	243,489,020	22,652,120
1173+0,000	10,000	1,370	6,160	27,360	0,000	0,000	27,360	266,168,500	83,910	51,410	135,320	243,624,340	22,544,160
1174+0,000	10,000	0,610	5,620	19,850	0,000	0,000	19,850	266,188,350	81,160	36,600	117,760	243,742,100	22,446,250
1175+0,000	10,000	0,280	3,620	8,870	0,000	0,000	8,870	266,197,220	81,420	10,950	92,370	243,834,470	22,362,750
1176+0,000	10,000	0,120	3,610	3,960	0,000	0,000	3,960	266,201,180	69,880	2,450	72,330	243,906,800	22,294,380
1177+0,000	10,000	0,000	5,600	1,190	0,000	0,000	1,190	266,202,370	83,700	8,460	92,160	243,998,960	22,203,410
1178+0,000	10,000	0,000	7,880	0,000	0,000	0,000	0,000	266,202,370	114,760	20,080	134,840	244,133,800	22,068,570
1179+0,000	10,000	0,000	7,980	0,000	0,000	0,000	0,000	266,202,370	132,470	26,140	158,610	244,292,410	21,909,960
1180+0,000	10,000	0,000	11,360	0,000	0,000	0,000	0,000	266,202,370	134,050	59,390	193,440	244,485,850	21,716,520
1181+0,000	10,000	0,000	11,800	0,000	0,000	0,000	0,000	266,202,370	126,210	105,480	231,690	244,717,540	21,484,830
1182+0,000	10,000	0,000	11,850	0,000	0,000	0,000	0,000	266,202,370	126,530	110,040	236,570	244,954,110	21,248,260
1183+0,000	10,000	0,000	11,990	0,000	0,000	0,000	0,000	266,202,370	126,530	111,890	238,420	245,192,530	21,009,840
1184+0,000	10,000	0,000	9,690	0,000	0,000	0,000	0,000	266,202,370	125,650	91,110	216,760	245,409,290	20,793,080
1185+0,000	10,000	0,000	8,910	0,000	0,000	0,000	0,000	266,202,370	125,650	60,350	186,000	245,595,290	20,607,080
1186+0,000	10,000	0,000	10,050	0,000	0,000	0,000	0,000	266,202,370	125,810	63,840	189,650	245,784,940	20,417,430
1187+0,000	10,000	0,000	12,060	0,000	0,000	0,000	0,000	266,202,370	137,400	83,700	221,100	246,006,040	20,196,330
1188+0,000	10,000	0,000	11,340	0,000	0,000	0,000	0,000	266,202,370	132,660	101,280	233,940	246,239,980	19,962,390
1189+0,000	10,000	0,000	11,480	0,000	0,000	0,000	0,000	266,202,370	121,070	107,090	228,160	246,468,140	19,734,230
1190+0,000	10,000	0,000	11,780	0,000	0,000	0,000	0,000	266,202,370	116,060	116,520	232,580	246,700,720	19,501,650
1191+0,000	10,000	0,000	9,150	0,000	0,000	0,000	0,000	266,202,370	124,060	85,210	209,270	246,909,990	19,292,380
1192+0,000	10,000	0,000	8,090	0,040	0,000	0,000	0,040	266,202,410	116,350	56,010	172,360	247,082,350	19,120,060
1193+0,000	10,000	0,020	7,210	0,190	0,000	0,000	0,190	266,202,600	110,210	42,720	152,930	247,235,280	18,967,320
1194+0,000	10,000	0,160	6,800	1,750	0,000	0,000	1,750	266,204,350	106,730	33,330	140,060	247,375,340	18,829,010
1195+0,000	10,000	0,140	7,160	2,960	0,000	0,000	2,960	266,207,310	105,540	34,060	139,600	247,514,940	18,692,370
1196+0,000	10,000	0,040	7,580	1,720	0,000	0,000	1,720	266,209,030	107,590	39,780	147,370	247,662,310	18,546,720
1197+0,000	10,000	0,010	7,840	0,500	0,000	0,000	0,500	266,209,530	112,380	41,770	154,150	247,816,460	18,393,070
1198+0,000	10,000	0,000	8,930	0,150	0,000	0,000	0,150	266,209,680	119,550	48,150	167,700	247,984,160	18,225,520
1199+0,000	10,000	0,210	8,170	2,130	0,000	0,000	2,130	266,211,810	118,680	52,390	171,070	248,155,230	18,056,580
1200+0,000	10,000	0,000	8,130	2,140	0,000	0,000	2,140	266,213,950	121,830	41,240	163,070	248,318,300	17,895,650
1201+0,000	10,000	0,110	5,380	1,130	0,000	0,000	1,130	266,215,080	111,020	24,090	135,110	248,453,410	17,761,670
1202+0,000	10,000	0,540	2,110	6,530	0,000	0,000	6,530	266,221,610	72,310	2,550	74,860	248,528,270	17,693,340
1203+0,000	10,000	2,940	0,000	34,840	0,000	0,000	34,840	266,256,450	21,070	0,000	21,070	248,549,340	17,707,110
1204+0,000	10,000	3,900	0,000	68,410	0,000	0,000	68,410	266,324,860	0,000	0,000	0,000	248,549,340	17,775,520
1205+0,000	10,000	1,590	0,000	54,870	0,000	0,000	54,870	266,379,730	0,020	0,000	0,020	248,549,360	17,830,370
1206+0,000	10,000	5,670	0,000	72,600	0,000	0,000	72,600	266,452,330	0,020	0,000	0,020	248,549,380	17,902,950
1207+0,000	10,000	2,250	0,000	79,180	0,000	0,000	79,180	266,531,510	0,000	0,000	0,000	248,549,380	17,982,130
1208+0,000	10,000	0,420	2,770	26,650	0,000	0,000	26,650	266,558,160	27,210	0,440	27,650	248,577,030	17,981,130
1209+0,000	10,000	0,120	5,380	5,380	0,000	0,000	5,380	266,563,540	79,470	1,970	81,440	248,658,470	17,905,070
1210+0,000	10,000	0,160	7,780	2,750	0,000	0,000	2,750	266,566,290	101,350	30,270	131,620	248,790,090	17,776,200
1211+0,000	10,000	0,000	10,760	1,550	0,000	0,000	1,550	266,567,840	117,200	68,240	185,440	248,975,530	17,592,310
1212+0,000	10,000	0,000	7,310	0,000	0,000	0,000	0,000	266,567,840	123,570	57,110	180,680	249,156,210	17,411,630
1213+0,000	10,000	0,000	9,340	0,000	0,000	0,000	0,000	266,567,840	122,850	43,640	166,490	249,322,700	17,245,140
1214+0,000	10,000	0,000	11,650	0,000	0,000	0,000	0,000	266,567,840	124,840	85,030	209,870	249,532,570	17,035,270
1215+0,000	10,000	0,000	14,560	0,000	0,000	0,000	0,000	266,567,840	127,550	134,550	262,100	249,794,670	16,773,170
1216+0,000	10,000	0,000	17,690	0,000	0,000	0,000	0,000	266,567,840	141,280	181,320	322,600	250,117,270	16,450,570
1217+0,000	10,000	0,000	17,590	0,000	0,000	0,000	0,000	266,567,840	142,290	210,540	352,830	250,470,100	16,097,740
1218+0,000	10,000	0,000	12,870	0,000	0,000	0,000	0,000	266,567,840	139,580	164,980	304,560	250,774,660	15,793,180
1219+0,000	10,000	0,000	13,470	0,000	0,000	0,000	0,000	266,567,840	125,920	137,440	263,360	251,038,020	15,529,820
1220+0,000	10,000	0,000	11,610	0,000	0,000	0,000	0,000	266,567,840	114,900	135,860	250,760	251,288,780	15,279,060

HASH: 419ba9998991a02089c874bb55aca14324a0426bcb1e6f5acaf65176c4. Documento assinado digitalmente, valide em <https://aquissos.seplag.mt.gov.br/flowbee-pub/#/validar/AW2L-967E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.



Quadro Resumo		
Corte	Área	15.374,090 m ²
	Volume de Material de 1º Categoria	232.329,961 m ³
	Volume de Material de 2º Categoria	27.643,375 m ³
	Volume de Material de 3º Categoria	6.594,504 m ³
	Volume	266.567,840 m³
Aterro	Área	14.965,880 m ²
	Volume de Camada Final	87.461,220 m ³
	Volume de Camada de aterro	163.827,560 m ³

HASH: 4198a5f3b9891a1a02089c1874bb55aca14324a0426bd3b1e675ac8af5a176c4. Documento assinado digitalmente, valide em <https://aquissicoses.seplag.mt.gov.br/flowbee-pub/#/validar/AW2L-9E7E-QU67-X9XJ>. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/01/2026. Juntado em 15/01/2026 16:57:36 por AMANDA ARAUJO.


Responsável Técnica
Engenheiro Everaldo Tadeu Bezerra de Castro
Engenheiro Civil
CREA-MT 1205190473


Coordenador
Engenheiro Fabrício Henrique Eufrazio Segura
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km






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4.2 – REBAIXO/SUBSTITUIÇÃO DO SUB LEITO MT-338



SINFRACAP202604098A



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 16/01/2026 às 10:27:13.
Documento Nº: 33637864-6764 - consulta à autenticidade em <https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=33637864-6764>



Volume de Rebaixo MT-338 Lote 01					
Esta ca	Semi Distância	Volume de Corte (m³)			Vol, Acum, Corte (m³)
		1° Cat.	2° Cat.	3° Cat.	
35+0,000	10,000	7,320	1,830	0,000	9,150
36+0,000	10,000	22,400	5,600	0,000	37,150
36+9,428	4,710	17,904	4,476	0,000	59,530
37+0,000	5,290	26,928	6,732	0,000	93,190
38+0,000	10,000	62,856	15,714	0,000	171,760
39+0,000	10,000	69,624	17,406	0,000	258,790
40+0,000	10,000	65,456	16,364	0,000	340,610
41+0,000	10,000	71,032	17,758	0,000	429,400
42+0,000	10,000	71,032	17,758	0,000	518,190
43+0,000	10,000	71,760	17,940	0,000	607,890
44+0,000	10,000	71,752	17,938	0,000	697,580
45+0,000	10,000	66,864	16,716	0,000	781,160
46+0,000	10,000	69,744	17,436	0,000	868,340
47+0,000	10,000	33,512	8,378	0,000	910,230
Sub Total		728,184	182,046	0,000	910,230
52+0,000	10,000	14,368	3,592	0,000	17,960
53+0,000	10,000	42,816	10,704	0,000	71,480
54+0,000	10,000	59,088	14,772	0,000	145,340
55+0,000	10,000	61,280	15,320	0,000	221,940
56+0,000	10,000	72,848	18,212	0,000	313,000
57+0,000	10,000	72,856	18,214	0,000	404,070
58+0,000	10,000	72,416	18,104	0,000	494,590
58+18,089	9,040	76,272	19,068	0,000	589,930
59+0,000	0,960	8,128	2,032	0,000	600,090
60+0,000	10,000	85,656	21,414	0,000	707,160
61+0,000	10,000	85,440	21,360	0,000	813,960
62+0,000	10,000	83,744	20,936	0,000	918,640
63+0,000	10,000	72,080	18,020	0,000	1.008,740
64+0,000	10,000	61,280	15,320	0,000	1.085,340
65+0,000	10,000	67,672	16,918	0,000	1.169,930
66+0,000	10,000	67,680	16,920	0,000	1.254,530
67+0,000	10,000	59,320	14,830	0,000	1.328,680
68+0,000	10,000	37,400	9,350	0,000	1.375,430
Sub Total		1.100,344	275,086	0,000	1.375,430
91+0,000	10,000	36,224	9,056	0,000	45,280
91+17,193	8,600	57,160	14,290	0,000	116,730
92+0,000	1,400	9,576	2,394	0,000	128,700
92+16,943	8,470	57,824	14,456	0,000	200,980
92+18,943	1,000	6,128	1,532	0,000	208,640
93+0,000	0,530	3,752	0,938	0,000	213,330
94+0,000	10,000	83,032	20,758	0,000	317,120
94+0,693	0,350	2,984	0,746	0,000	320,850
95+0,000	9,650	83,040	20,760	0,000	424,650
95+16,943	8,470	72,608	18,152	0,000	515,410
96+0,000	1,530	11,480	2,870	0,000	529,760
97+0,000	10,000	65,120	16,280	0,000	611,160
98+0,000	10,000	76,072	19,018	0,000	706,250
99+0,000	10,000	76,072	19,018	0,000	801,340
100+0,000	10,000	65,120	16,280	0,000	882,740
101+0,000	10,000	72,432	18,108	0,000	973,280
102+0,000	10,000	79,208	19,802	0,000	1.072,290

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CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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Volume de Rebaixo MT-338 Lote 01					
Estaca	Semi Distância	Volume de Corte (m³)			Vol, Acum, Corte (m³)
		1° Cat.	2° Cat.	3° Cat.	
102+11,248	5,620	40,432	10,108	0,000	1.122,830
103+0,000	4,380	28,496	7,124	0,000	1.158,450
104+0,000	10,000	71,848	17,962	0,000	1.248,260
105+0,000	10,000	80,416	20,104	0,000	1.348,780
106+0,000	10,000	82,544	20,636	0,000	1.451,960
107+0,000	10,000	73,976	18,494	0,000	1.544,430
108+0,000	10,000	73,192	18,298	0,000	1.635,920
109+0,000	10,000	81,088	20,272	0,000	1.737,280
109+5,553	2,780	22,384	5,596	0,000	1.765,260
110+0,000	7,220	57,272	14,318	0,000	1.836,850
Sub Total		1.469,480	367,370	0,000	1.836,850
461+0,000	10,000	52,689	22,581	0,000	75,270
462+0,000	10,000	106,624	45,696	0,000	227,590
463+0,000	10,000	112,441	48,189	0,000	388,220
464+0,000	10,000	110,572	47,388	0,000	546,180
465+0,000	10,000	119,056	51,024	0,000	716,260
466+0,000	10,000	107,205	45,945	0,000	869,410
467+0,000	10,000	111,853	47,937	0,000	1.029,200
468+0,000	10,000	111,860	47,940	0,000	1.189,000
469+0,000	10,000	106,729	45,741	0,000	1.341,470
470+0,000	10,000	117,488	50,352	0,000	1.509,310
470+3,177	1,590	77,189	33,081	0,000	1.619,580
471+0,000	8,410	25,018	10,722	0,000	1.655,320
472+0,000	10,000	118,524	50,796	0,000	1.824,640
473+0,000	10,000	116,956	50,124	0,000	1.991,720
474+0,000	10,000	114,387	49,023	0,000	2.155,130
475+0,000	10,000	90,195	38,655	0,000	2.283,980
Sub Total		1.598,786	685,194	0,000	2.283,980
550+0,000	10,000	36,184	9,046	0,000	45,230
551+0,000	10,000	61,280	15,320	0,000	121,830
552+0,000	10,000	69,112	17,278	0,000	208,220
553+0,000	10,000	69,112	17,278	0,000	294,610
554+0,000	10,000	61,280	15,320	0,000	371,210
555+0,000	10,000	71,912	17,978	0,000	461,100
556+0,000	10,000	81,440	20,360	0,000	562,900
557+0,000	10,000	70,808	17,702	0,000	651,410
558+0,000	10,000	61,280	15,320	0,000	728,010
559+0,000	10,000	73,128	18,282	0,000	819,420
559+0,913	0,460	3,336	0,834	0,000	823,590
560+0,000	9,540	58,480	14,620	0,000	896,690
561+0,000	10,000	72,176	18,044	0,000	986,910
562+0,000	10,000	72,176	18,044	0,000	1.077,130
563+0,000	10,000	61,280	15,320	0,000	1.153,730
564+0,000	10,000	68,392	17,098	0,000	1.239,220
565+0,000	10,000	74,688	18,672	0,000	1.332,580
566+0,000	10,000	72,752	18,188	0,000	1.423,520

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Responsável Técnica
Engenheiro Civil
CREA-MT 1205190473

Eng. Fabrício Henrique Eufrazio Segura
Coordenador
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Volume de Rebaixo MT-338 Lote 01					
Estaca	Semi Distância	Volume de Corte (m³)			Vol, Acum, Corte (m³)
		1° Cat.	2° Cat.	3° Cat.	
Sub Total		1.138,816	284,704	0,000	1.423,520
676+0,000	10,000	55,913	17,204	12,903	86,020
677+0,000	10,000	55,907	17,202	12,902	172,030
678+0,000	10,000	57,103	17,570	13,178	259,880
679+0,000	10,000	57,109	17,572	13,179	347,740
680+0,000	10,000	49,790	15,320	11,490	424,340
681+0,000	10,000	60,515	18,620	13,965	517,440
682+0,000	10,000	71,936	22,134	16,601	628,110
683+0,000	10,000	72,683	22,364	16,773	739,930
684+0,000	10,000	61,256	18,848	14,136	834,170
685+0,000	10,000	59,417	18,282	13,712	925,580
686+0,000	10,000	59,423	18,284	13,713	1.017,000
687+0,000	10,000	49,790	15,320	11,490	1.093,600
688+0,000	10,000	59,209	18,218	13,664	1.184,690
689+0,000	10,000	67,945	20,906	15,680	1.289,220
690+0,000	10,000	66,970	20,606	15,455	1.392,250
691+0,000	10,000	65,806	20,248	15,186	1.493,490
692+0,000	10,000	57,356	17,648	13,236	1.581,730
693+0,000	10,000	55,848	17,184	12,888	1.667,650
693+16,614	8,310	51,330	15,794	11,846	1.746,620
694+0,000	1,690	10,459	3,218	2,414	1.762,710
694+13,325	6,660	41,295	12,706	9,530	1.826,240
694+18,325	2,500	15,607	4,802	3,602	1.850,250
695+0,000	0,840	5,200	1,600	1,200	1.858,250
696+0,000	10,000	61,451	18,908	14,181	1.952,790
696+0,035	0,020	0,111	0,034	0,026	1.952,960
697+0,000	9,980	61,594	18,952	14,214	2.047,720
697+13,325	6,660	37,915	11,666	8,750	2.106,050
698+0,000	3,340	19,130	5,886	4,415	2.135,480
699+0,000	10,000	62,550	19,246	14,435	2.231,710
700+0,000	10,000	63,271	19,468	14,601	2.329,050
701+0,000	10,000	63,648	19,584	14,688	2.426,970
701+4,942	2,470	15,425	4,746	3,560	2.450,700
702+0,000	7,530	46,716	14,374	10,781	2.522,570
Sub Total		1.639,671	504,514	378,386	2.522,570
750+0,000	10,000	64,857	19,956	14,967	99,780
750+3,212	1,610	10,985	3,380	2,535	116,680
751+0,000	8,390	50,830	15,640	11,730	194,880
752+0,000	10,000	52,910	16,280	12,210	276,280
753+0,000	10,000	62,231	19,148	14,361	372,020
754+0,000	10,000	72,553	22,324	16,743	483,640
755+0,000	10,000	73,925	22,746	17,060	597,370
756+0,000	10,000	74,113	22,804	17,103	711,390
757+0,000	10,000	63,414	19,512	14,634	808,950
758+0,000	10,000	52,910	16,280	12,210	890,350
759+0,000	10,000	60,132	18,502	13,877	982,860
760+0,000	10,000	66,027	20,316	15,237	1.084,440
760+5,164	2,580	15,184	4,672	3,504	1.107,800

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Engenheiro
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Engenheiro
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Volume de Rebaixo MT-338 Lote 01					
Estaca	Semi Distância	Volume de Corte (m³)			Vol, Acum, Corte (m³)
		1° Cat.	2° Cat.	3° Cat.	
Sub Total		720,070	221,560	166,170	1.107,800
1004+0,000	10,000	11,616	2,904	0,000	14,520
1005+0,000	10,000	33,848	8,462	0,000	56,830
1006+0,000	10,000	52,312	13,078	0,000	122,220
1006+1,857	0,930	5,616	1,404	0,000	129,240
1007+0,000	9,070	55,400	13,850	0,000	198,490
1008+0,000	10,000	61,280	15,320	0,000	275,090
1009+0,000	10,000	69,432	17,358	0,000	361,880
1010+0,000	10,000	69,432	17,358	0,000	448,670
1011+0,000	10,000	70,632	17,658	0,000	536,960
1012+0,000	10,000	82,456	20,614	0,000	640,030
1013+0,000	10,000	84,744	21,186	0,000	745,960
1014+0,000	10,000	85,256	21,314	0,000	852,530
1015+0,000	10,000	87,888	21,972	0,000	962,390
1016+0,000	10,000	87,720	21,930	0,000	1.072,040
1017+0,000	10,000	84,912	21,228	0,000	1.178,180
1018+0,000	10,000	87,448	21,862	0,000	1.287,490
1019+0,000	10,000	75,984	18,996	0,000	1.382,470
1020+0,000	10,000	71,368	17,842	0,000	1.471,680
1021+0,000	10,000	71,368	17,842	0,000	1.560,890
1022+0,000	10,000	61,280	15,320	0,000	1.637,490
1023+0,000	10,000	68,816	17,204	0,000	1.723,510
1024+0,000	10,000	68,816	17,204	0,000	1.809,530
1025+0,000	10,000	67,104	16,776	0,000	1.893,410
1026+0,000	10,000	72,344	18,086	0,000	1.983,840
1027+0,000	10,000	66,520	16,630	0,000	2.066,990
1028+0,000	10,000	61,280	15,320	0,000	2.143,590
1029+0,000	10,000	62,272	15,568	0,000	2.221,430
1030+0,000	10,000	57,496	14,374	0,000	2.293,300
1031+0,000	10,000	50,168	12,542	0,000	2.356,010
1032+0,000	10,000	59,120	14,780	0,000	2.429,910
1033+0,000	10,000	65,448	16,362	0,000	2.511,720
1034+0,000	10,000	66,288	16,572	0,000	2.594,580
1035+0,000	10,000	70,928	17,732	0,000	2.683,240
1036+0,000	10,000	54,648	13,662	0,000	2.751,550
1037+0,000	10,000	24,032	6,008	0,000	2.781,590
1037+15,302	7,650	5,000	1,250	0,000	2.787,840
1038+0,000	2,350	0,872	0,218	0,000	2.788,930
Sub Total		2.231,144	557,786	0,000	2.788,930

Quadro Resumo	
Volume de Material de 1° Categoria	10.626,495 m³
Volume de Material de 2° Categoria	3.078,260 m³
Volume de Material de 3° Categoria	544,556 m³
Volume Total	14.249,310 m³

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Engenheiro Civil
CREA-MT 1205190473

Fabrizio Henrique Eufrazio Segura
Coordenador
Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km






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4.3 – INTERSEÇÃO



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Volume de Terraplenagem da Interseção - Ramo Norte										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	7,110	0,000	0,000	0,000	0,000	0,000	0,000	0,000
0+0,300	0,150	0,000	7,090	0,000	0,000	1,430	0,700	2,130	2,130	-2,130
0+15,200	7,450	0,000	5,870	0,000	0,000	56,740	39,850	96,590	98,720	-98,720
1+0,000	2,400	0,000	7,700	0,000	0,000	20,540	12,040	32,580	131,300	-131,290
1+10,200	5,100	0,620	5,110	3,150	3,150	52,240	13,090	65,330	196,630	-193,480
2+0,000	4,900	0,000	11,440	3,020	6,170	67,810	13,280	81,090	277,720	-271,550
2+5,200	2,600	0,000	16,000	0,000	6,170	59,300	12,040	71,340	349,060	-342,890
2+10,459	2,630	0,000	19,790	0,000	6,170	79,450	14,660	94,110	443,170	-437,000

Quadro Resumo		
Corte	Área	0,620 m²
	Volume	6,170 m³
Aterro	Área	80,110 m²
	Volume de Camada Final	337,510 m³
	Volume de Camada de aterro	105,660 m³

Volume de Terraplenagem da Interseção - Ramo Oeste										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	17,240	0,000	0,000	0,000	0,000	0,000	0,000	0,000
0+0,300	0,150	0,000	16,850	0,000	0,000	2,580	2,530	5,110	5,110	-5,110
0+15,200	7,450	0,000	20,410	0,000	0,000	116,320	161,270	277,590	282,710	-282,710
1+0,000	2,400	0,000	21,310	0,000	0,000	38,910	61,240	100,150	382,850	-382,850
1+10,200	5,100	0,000	24,690	0,000	0,000	102,620	132,020	234,640	617,490	-617,490
2+0,000	4,900	0,000	31,350	0,000	0,000	121,040	153,590	274,630	892,120	-892,120
2+5,200	2,600	0,000	39,220	0,000	0,000	83,810	99,670	183,480	1.075,600	-1.075,600
2+8,037	1,420	0,000	45,510	0,000	0,000	55,950	64,260	120,210	1.195,800	-1.195,800

Quadro Resumo		
Corte	Área	0,000 m²
	Volume	0,000 m³
Aterro	Área	216,580 m²
	Volume de Camada Final	521,230 m³
	Volume de Camada de aterro	674,580 m³

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Responsável Técnica
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 CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
 Rodovia: MT-338
 Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
 Sub Trecho: KM 664,67 – KM 689,27
 Extensão Total: 24,445 km





Volume de Terraplenagem da Interseção - Ramo Sul										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	13,780	0,000	0,000	0,000	0,000	0,000	0,000	0,000
0+0,300	0,150	0,000	13,710	0,000	0,000	2,590	1,530	4,120	4,120	-4,120
0+15,000	7,350	0,000	10,230	0,000	0,000	125,110	50,850	175,960	180,080	-180,080
1+0,000	2,500	0,000	8,260	0,000	0,000	40,580	5,660	46,240	226,320	-226,320
1+9,700	4,850	0,000	6,860	0,000	0,000	71,460	1,910	73,370	299,690	-299,690
2+0,000	5,150	0,000	10,700	0,000	0,000	88,690	1,770	90,460	390,140	-390,140
2+4,400	2,200	0,000	17,010	0,000	0,000	55,760	5,210	60,970	451,110	-451,110
2+7,963	1,780	0,000	21,090	0,000	0,000	57,900	9,970	67,870	518,980	-518,970

Quadro Resumo		
Corte	Área	0,000 m²
	Volume	0,000 m³
Aterro	Área	101,640 m²
	Volume de Camada Final	442,090 m³
	Volume de Camada de aterro	76,900 m³

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Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km





Volume de Terraplenagem da Interseção - Rótula Ramo Norte										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	20,320	0,000	0,000	0,000	0,000	0,000	0,000	0,000
1+0,000	0,000	0,000	34,570	0,000	0,000	286,370	124,650	411,020	411,020	-411,020
2+0,029	0,010	0,000	37,470	0,000	0,000	0,840	0,730	1,570	1.444,130	-1.444,130

Quadro Resumo		
Corte	Área	0,000 m²
	Volume	0,000 m³
Aterro	Área	92,360 m²
	Volume de Camada Final	287,210 m³
	Volume de Camada de aterro	125,380 m³

Volume de Terraplenagem da Interseção - Rótula Ramo Oeste										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	37,470	0,000	0,000	0,000	0,000	0,000	0,000	0,000
1+0,000	0,000	0,000	34,820	0,000	0,000	293,620	238,690	532,310	532,310	-532,310
1+14,636	7,320	0,000	29,080	0,000	0,000	218,160	119,900	338,060	870,360	-870,360
2+0,000	2,680	0,000	26,400	0,000	0,000	79,140	26,700	105,840	976,210	-976,210
3+0,000	10,000	0,000	19,250	0,000	0,000	278,700	40,790	319,490	1.295,700	-1.295,700
3+9,272	4,640	0,000	23,230	0,000	0,000	126,220	11,930	138,150	1.433,850	-1.433,850

Quadro Resumo		
Corte	Área	0,000 m²
	Volume	0,000 m³
Aterro	Área	170,250 m²
	Volume de Camada Final	995,840 m³
	Volume de Camada de aterro	438,010 m³

Volume de Terraplenagem da Interseção - Rótula Ramo Sul										
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)	Vol, Acum, Corte (m³)	Volume Camada Final (m³)	Volume Corpo de Aterro (m³)	Volume Total do Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
0+0,000	0,000	0,000	23,230	0,000	0,000	0,000	0,000	0,000	0,000	0,000
1+0,000	0,000	0,500	10,220	5,580	5,580	198,390	24,700	223,090	223,090	-217,510
2+0,000	10,000	5,730	3,180	62,300	67,880	68,030	0,000	68,030	291,120	-223,250
2+18,447	9,220	5,820	3,490	107,000	174,870	20,670	0,000	20,670	311,790	-136,910
3+0,000	0,780	5,410	3,690	8,900	183,770	1,980	0,000	1,980	313,770	-130,000
4+0,000	10,000	2,510	5,850	82,640	266,410	39,400	0,000	39,400	353,170	-86,760
5+0,000	10,000	0,000	14,520	27,350	293,770	120,990	0,000	120,990	474,160	-180,400
5+16,894	8,450	0,000	20,320	0,000	293,770	192,640	9,290	201,930	676,100	-382,330

Quadro Resumo		
Corte	Área	19,970 m²
	Volume	293,770 m³
Aterro	Área	84,500 m²
	Volume de Camada Final	642,100 m³
	Volume de Camada de aterro	33,990 m³

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Engenheiro Civil
CREA: 121248337-7

Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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4.4- VOLUME DE ALARGAMENTO DE CORTE

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Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-338
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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Volume de Terraplenagem da MT-388 - Alargamento do corte (Capacidade)											
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Corpo de Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)	Vol, Acum, Corte (m³)			
749+0,000	5,620	15,000	0,000	38,020	0,000	0,000	38,020	38,020	0,000	0,000	84,390
750+0,000	10,000	48,240	0,000	119,119	36,652	27,489	183,260	221,280	0,000	0,000	714,930
750+3,212	1,610	51,760	0,000	23,745	7,306	5,480	36,530	257,810	0,000	0,000	875,530
751+0,000	8,390	72,320	0,000	132,698	40,830	30,623	204,150	461,960	0,000	0,000	1.911,430
752+0,000	10,000	92,900	0,000	193,889	59,658	44,744	298,290	760,250	0,000	0,000	3.557,000
753+0,000	10,000	102,640	0,000	222,001	68,308	51,231	341,540	1.101,790	0,000	0,000	5.508,260
754+0,000	10,000	109,000	0,000	239,051	73,554	55,166	367,770	1.469,560	0,000	0,000	7.623,190
755+0,000	10,000	127,000	0,000	264,856	81,494	61,120	407,470	1.877,030	0,000	0,000	9.980,160
756+0,000	10,000	125,540	0,000	279,923	86,130	64,597	430,650	2.307,680	0,000	0,000	12.500,900
757+0,000	10,000	116,660	0,000	270,862	83,342	62,507	416,710	2.724,390	0,000	0,000	14.918,170
758+0,000	10,000	98,680	0,000	250,660	77,126	57,845	385,630	3.110,020	0,000	0,000	17.066,210
759+0,000	10,000	71,660	0,000	207,825	63,946	47,960	319,730	3.429,750	0,000	0,000	18.763,680
760+0,000	10,000	47,860	0,000	151,840	46,720	35,040	233,600	3.663,350	0,000	0,000	19.952,890
760+5,164	2,580	41,510	0,000	31,057	9,556	7,167	47,780	3.711,130	0,000	0,000	20.182,340
761+0,000	7,420	27,560	0,000	110,290	0,000	0,000	110,290	3.821,420	0,000	0,000	20.691,420

Quadro Resumo		
Corte	Área	1.148,330 m²
	Volume de Material de 1° Categoria	2.535,832 m³
	Volume de Material de 2° Categoria	734,622 m³
	Volume de Material de 3° Categoria	550,967 m³
	Volume	3.821,420 m³

Volume de Terraplenagem da MT-388 - Alargamento do corte (Capacidade)											
Estaca	Semi Distância (m)	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m³)					Volume Corpo de Aterro (m³)	Vol, Acum, Aterro (m³)	Dif, Vol, Acum, (m³)
				1° Cat.	2° Cat.	3° Cat.	Volume de Total (m³)	Vol, Acum, Corte (m³)			
1007+0,000	0,000	63,150	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
1008+0,000	10,000	73,370	0,000	706,232	176,558	0,000	882,790	882,790	0,000	0,000	1.167,410
1009+0,000	10,000	76,190	0,000	748,496	187,124	0,000	935,620	1.818,410	0,000	0,000	2.452,580
1010+0,000	10,000	88,530	0,000	832,608	208,152	0,000	1.040,760	2.859,170	0,000	0,000	3.861,850
1011+0,000	10,000	132,170	0,000	1.078,384	269,596	0,000	1.347,980	4.207,150	0,000	0,000	5.765,190
1012+0,000	10,000	153,630	0,000	1.320,608	330,152	0,000	1.650,760	5.857,910	0,000	0,000	8.254,340
1013+0,000	10,000	177,720	0,000	1.506,256	376,564	0,000	1.882,820	7.740,730	0,000	0,000	11.130,550
1014+0,000	10,000	226,270	0,000	1.762,896	440,724	0,000	2.203,620	9.944,350	0,000	0,000	14.649,700
1015+0,000	10,000	233,430	0,000	1.957,776	489,444	0,000	2.447,220	12.391,570	0,000	0,000	18.668,200
1016+0,000	10,000	232,610	0,000	2.032,584	508,146	0,000	2.540,730	14.932,300	0,000	0,000	22.707,390
1017+0,000	10,000	227,410	0,000	2.054,960	513,740	0,000	2.568,700	17.501,000	0,000	0,000	26.668,740
1018+0,000	10,000	219,660	0,000	2.005,064	501,266	0,000	2.506,330	20.007,330	0,000	0,000	30.515,310
1019+0,000	10,000	211,850	0,000	1.929,840	482,460	0,000	2.412,300	22.419,630	0,000	0,000	34.225,360
1020+0,000	10,000	188,800	0,000	1.811,616	452,904	0,000	2.264,520	24.684,150	0,000	0,000	37.662,710
1021+0,000	10,000	170,660	0,000	1.654,896	413,724	0,000	2.068,620	26.752,770	0,000	0,000	40.735,230
1022+0,000	10,000	150,510	0,000	1.496,056	374,014	0,000	1.870,070	28.622,840	0,000	0,000	43.474,020
1023+0,000	10,000	132,500	0,000	1.336,440	334,110	0,000	1.670,550	30.293,390	0,000	0,000	45.873,270
1024+0,000	10,000	111,220	0,000	1.189,144	297,286	0,000	1.486,430	31.779,820	0,000	0,000	47.918,170
1025+0,000	10,000	94,800	0,000	1.045,544	261,386	0,000	1.306,930	33.086,750	0,000	0,000	49.630,180
1026+0,000	10,000	80,300	0,000	925,560	231,390	0,000	1.156,950	34.243,700	0,000	0,000	51.066,700
1027+0,000	10,000	63,620	0,000	815,056	203,764	0,000	1.018,820	35.262,520	0,000	0,000	52.222,270
1028+0,000	10,000	57,150	0,000	721,032	180,258	0,000	901,290	36.163,810	0,000	0,000	53.176,790

Quadro Resumo		
Corte	Área	3.165,550 m²
	Volume de Material de 1° Categoria	28.931,048 m³
	Volume de Material de 2° Categoria	7.232,762 m³
	Volume de Material de 3° Categoria	0,000 m³
	Volume	36.163,810 m³

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Responsável
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Volume 3C – Nota de Serviço e Cálculo de Volume
Rodovia: MT-388
Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417
Sub Trecho: KM 664,67 – KM 689,27
Extensão Total: 24,445 km



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5.0- TERMO DE ENCERRAMENTO



SINFRACAP202604098A





O presente volume corresponde ao **Volume 3C - Cálculo de Volume e Nota de Serviço de Terraplenagem** referente ao Projeto Executivo de Engenharia para Implantação/Pavimentação da Rodovia MT-338, Trecho: Entr. MT-235 (Juara/MT) – Entr. MT-417, Sub trecho: KM 664,67 – KM 689,27; Extensão aproximadamente 24,445 km, possui 96 (noventa e seis) páginas numericamente ordenadas.

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Volume 3C – Nota de Serviço e Cálculo de Volume
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