



GOVERNO DO ESTADO DE MATO GROSSO

SECRETARIA DE ESTADO DE INFRAESTRUTURA E LOGÍSTICA
SUPERINTENDÊNCIA DE PROJETOS DE OBRAS RODOVIÁRIAS

PROJETO EXECUTIVO DE IMPLANTAÇÃO E PAVIMENTAÇÃO DE RODOVIA MT -208

RODOVIA: MT-208

TRECHO: FIM DUPLICAÇÃO (FIM PU NOVA GUARITA) / DIV. COLÍDER / NOVA GUARITA

EXTENSÃO: 13,644 km

MUNICÍPIOS: NOVA GUARITA-MT / COLÍDER-MT

CÓDIGO S.R.E.: 208EEMT0020 / 208EEMT0025

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

NOVEMBRO/2025



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Direção: Secretaria Adjunta de Obras Rodoviárias-SAOR
Coordenação: Superintendência de Projetos de Obras Rodoviárias-SPOR
Elaboração: Dunamis Engenharia E Consultoria Ltda.
Resp. Técnicos: Engº. Civil Marcos V. Monteiro Meireles – CREA RN 1215070136

NOVEMBRO/2025



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SUMÁRIO

1 - APRESENTAÇÃO	4
2 - MAPA DE SITUAÇÃO	6
3 - NOTA DE SERVIÇO DE TERRAPLANAGEM	8
4 - CÁLCULO DE VOLUME	33
5 - COORDENADA DO EIXO LOCADO	54
15 - DECLARAÇÃO DE RESPONSABILIDADE	64
16 - TERMO DE ENCERRAMENTO	66

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1 - APRESENTAÇÃO



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1. A DUNAMIS ENGENHARIA E CONSULTORIA apresenta o **VOLUME 3C – CÁLCULO DE VOLUME E NOTA DE SERVIÇO DE TERRAPLANAGEM**, referente ao **Projeto Executivo de Implantação e Pavimentação Asfáltica da Rodovia MT-208**, Trecho: Fim Duplicação (Fim PU Nova Guarita) / Div. Colíder / Nova Guarita e Extensão: 13,644 km.
2. O Projeto em sua forma de apresentação, consta de 7 (sete) volumes, conforme especificados nas diretrizes básicas para a elaboração de estudos e projetos rodoviários – Publicação IPR 727 – DNIT (2006) e assim identificados:
3. VOLUME 1 - RELATÓRIO DO PROJETO E DOCUMENTOS PARA A CONCORRÊNCIA
4. Objetivo:
5. Fornecer os estudos realizados e os projetos desenvolvidos, bem como os elementos necessários a elaboração da Proposta para a Concorrência de Construção.
6. VOLUME 2 - PROJETO DE EXECUÇÃO
7. Objetivo:
8. Apresentar em formato A-3 as plantas, gráficos e desenhos necessários à execução da obra projetada.
9. VOLUME 3 – MEMÓRIA JUSTIFICATIVA
10. Objetivo:
11. Fornecer o detalhamento e as justificativas técnicas e memórias de cálculos referentes ao projeto elaborado.
12. VOLUME 3 A - ESTUDOS GEOTÉCNICOS
13. Objetivo:
14. Apresentar em formato A-4, as informações das características dos solos estudados no subleito e áreas de jazida e caixas de empréstimos, através dos ensaios e cálculos feitos em laboratório.
15. VOLUME 3 C – CÁLCULO DE VOLUME E NOTA DE SERVIÇO SDE TERRAPLENAGEM
16. Objetivo:
17. Apresentar em formato A-4 os volumes e notas de serviços de terraplenagem, calculados para o projeto em questão.
18. VOLUME 3 E – RELATÓRIO FINAL DE AVALIAÇÃO AMBIENTAL
19. Objetivo:
20. Apresentar em formato A-4 os documentos básicos para os entendimentos do órgão ambiental competente, para proceder ao licenciamento do empreendimento.
21. VOLUME 4 – ORÇAMENTO E PLANO DE EXECUÇÃO DA OBRA
22. Objetivo:
23. Fornecer o custo de todas as obras necessárias à execução do projeto.

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2 - MAPA DE SITUAÇÃO



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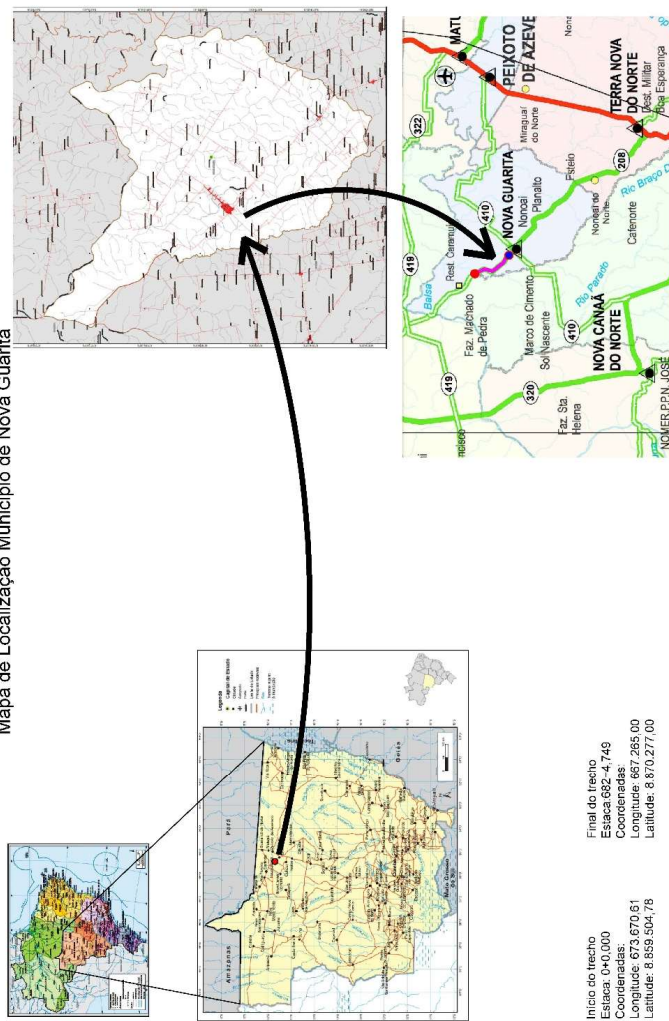
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Mapa de Localização Município de Nova Guarita



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		TÍTULO: "IMPLANTAÇÃO DE PAVIMENTO RIGIDO EM NOVA GUARITA (MT) - COLÍMBIA"		MS -
	ASSUNTO: MAPA DE SITUAÇÃO		ESCALA:	
				SIC



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3 – NOTA DE SERVIÇO DE TERRAPLANAGEM



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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.561	283.503	100.00	-6.393	283.335	0.95	0+0.000			283.274	283.389	-0.115	6.393	283.050	-3.49	6.760	283.418	100.00
-7.310	282.710	-66.67	-6.393	283.322	5.52	0+12.651	PC		282.969	282.906	0.063	6.393	282.616	-5.52	6.480	282.703	100.00
-7.298	282.539	-66.67	-6.393	283.143	3.61	0+15.000			282.912	282.811	0.101	6.393	282.681	-3.61	6.576	282.559	-66.67
-7.689	282.119	-66.67	-6.393	282.983	3.00	1+0.000			282.792	282.609	0.183	6.393	282.600	-3.00	6.828	282.310	-66.67
-7.962	281.857	-66.67	-6.393	282.903	3.00	1+3.336			282.711	282.451	0.260	6.393	282.519	-3.00	6.939	282.155	-66.67
-8.045	281.761	-66.67	-6.393	282.863	3.00	1+5.000			282.671	282.389	0.282	6.393	282.479	-3.00	6.939	282.115	-66.67
-8.272	281.489	-66.67	-6.393	282.742	3.00	1+10.000			282.551	282.197	0.353	6.393	282.359	-3.00	6.910	282.014	-66.67
-8.714	281.259	-66.67	-6.393	282.807	5.52	1+14.020	PT		282.454	282.036	0.418	6.393	282.100	-5.52	6.653	281.927	-66.67
-8.769	280.975	-66.67	-6.393	282.560	3.91	2+0.000			282.309	281.791	0.519	6.393	281.989	-5.02	6.687	281.793	-66.67
-8.238	280.478	-66.67	-6.393	281.708	-1.87	3+0.000			281.827	281.050	0.778	6.393	281.636	-3.00	7.136	281.140	-66.67
-7.667	280.303	-66.67	-6.393	281.153	-3.00	4+0.000		PCV	281.345	280.537	0.808	6.393	281.153	-3.00	7.651	280.314	-66.67
-7.632	279.859	-66.67	-6.393	280.685	-3.00	5+0.000			280.877	280.134	0.743	6.393	280.685	-3.00	7.350	280.047	-66.67
-7.495	279.556	-66.67	-6.393	280.291	-3.00	6+0.000			280.483	279.739	0.744	6.393	280.291	-3.00	7.165	279.776	-66.67
-7.617	279.160	-66.67	-6.393	279.976	-3.00	7+0.000			280.168	279.418	0.750	6.393	279.976	-3.00	7.409	279.299	-66.67
-7.223	279.188	-66.67	-6.393	279.742	-3.00	8+0.000			279.933	279.265	0.668	6.393	279.742	-3.00	7.370	279.090	-66.67
-6.875	279.265	-66.67	-6.393	279.587	-3.00	9+0.000		PTV	279.779	279.250	0.528	6.393	279.587	-3.00	7.543	278.820	-66.67
-8.292	278.493	-66.67	-6.393	279.759	0.96	10+0.000			279.697	279.128	0.569	6.393	279.506	-3.00	7.883	278.512	-66.67
-8.368	278.454	-66.67	-6.393	279.771	1.20	10+0.958	PC		279.694	279.117	0.578	6.393	279.502	-3.00	7.905	278.494	-66.67
-8.646	278.320	-66.67	-6.393	279.822	2.21	10+5.000			279.681	279.081	0.600	6.393	279.489	-3.00	8.085	278.361	-66.67
-8.802	278.250	-66.67	-6.393	279.856	3.00	10+10.000			279.664	279.061	0.603	6.393	279.472	-3.00	8.499	278.068	-66.67
-8.886	278.176	-66.67	-6.393	279.839	3.00	10+15.000			279.647	279.042	0.605	6.393	279.455	-3.00	8.915	277.773	-66.67
-8.972	278.102	-66.67	-6.393	279.822	3.00	11+0.000			279.630	279.014	0.616	6.393	279.438	-3.00	9.261	277.526	-66.67
-9.037	278.048	-66.67	-6.393	279.810	3.00	11+3.462			279.619	278.992	0.627	6.393	279.427	-3.00	9.482	277.367	-66.67
-9.035	278.044	-66.67	-6.393	279.805	3.00	11+5.000			279.613	278.984	0.630	6.393	279.422	-3.00	9.510	277.343	-66.67
-9.006	278.046	-66.67	-6.393	279.788	3.00	11+10.000			279.597	278.970	0.627	6.393	279.405	-3.00	9.604	277.264	-66.67
-8.979	278.047	-66.67	-6.393	279.772	3.00	11+15.000			279.580	278.955	0.625	6.393	279.388	-3.00	9.699	277.184	-66.67
-8.925	278.047	-66.67	-6.393	279.735	2.69	12+0.000			279.563	278.939	0.624	6.393	279.371	-3.00	9.796	277.102	-66.67
-8.850	278.000	-66.67	-6.393	279.638	1.44	12+5.000			279.546	278.928	0.619	6.393	279.355	-3.00	9.744	277.120	-66.67
-8.844	277.985	-66.67	-6.393	279.620	1.20	12+5.966	PT		279.543	278.928	0.615	6.393	279.351	-3.00	9.700	277.146	-66.67
-8.581	277.890	-66.67	-6.393	279.348	-2.31	13+0.000			279.496	278.945	0.551	6.393	279.304	-3.00	9.054	277.530	-66.67
-8.317	277.954	-66.67	-6.393	279.237	-3.00	14+0.000			279.429	278.736	0.692	6.393	279.237	-3.00	9.373	277.250	-66.67
-8.658	277.659	-66.67	-6.393	279.170	-3.00	15+0.000			279.362	278.588	0.773	6.393	279.170	-3.00	9.185	277.308	-66.67
-8.212	277.890	-66.67	-6.393	279.103	-3.00	16+0.000			279.295	278.388	0.907	6.393	279.103	-3.00	9.039	277.338	-66.67
-7.973	277.982	-66.67	-6.393	279.036	-3.00	17+0.000		PCV	279.227	278.263	0.965	6.393	279.036	-3.00	8.932	277.343	-66.67
-7.893	277.969	-66.67	-6.393	278.969	-3.00	18+0.000			279.161	278.067	1.094	6.393	278.969	-3.00	8.543	277.535	-66.67
-7.683	278.089	-66.67	-6.393	278.949	-3.00	19+0.000			279.140	278.009	1.131	6.393	278.949	-3.00	8.599	277.478	-66.67
-7.192	278.475	-66.67	-6.393	279.009	-3.00	20+0.000			279.200	278.181	1.019	6.393	279.009	-3.00	8.571	277.556	-66.67
-7.161	278.636	-66.67	-6.393	279.148	-3.00	21+0.000			279.340	278.375	0.965	6.393	279.148	-3.00	8.220	277.930	-66.67
-7.155	278.860	-66.67	-6.393	279.368	-3.00	22+0.000		PTV	279.560	278.663	0.897	6.393	279.368	-3.00	8.014	278.288	-66.67
-7.099	279.182	-66.67	-6.393	279.653	-3.00	23+0.000			279.845	278.998	0.847	6.393	279.653	-3.00	7.856	278.678	-66.67
-7.118	279.461	-66.67	-6.393	279.944	-3.00	24+0.000			280.136	279.305	0.831	6.393	279.944	-3.00	7.701	279.072	-66.67
-7.268	279.651	-66.67	-6.393	280.235	-3.00	25+0.000			280.427	279.667	0.760	6.393	280.235	-3.00	7.783	279.308	-66.67
-6.813	280.246	-66.67	-6.393	280.526	-3.00	26+0.000			280.718	280.036	0.682	6.393	280.526	-3.00	7.558	279.749	-66.67
-6.785	280.555	-66.67	-6.393	280.817	-3.00	27+0.000			281.009	280.370	0.638	6.393	280.817	-3.00	7.401	280.145	-66.67
-6.590	280.977	-66.67	-6.393	281.108	-3.00	28+0.000			281.300	280.688	0.612	6.393	281.108	-3.00	7.175	280.586	-66.67
-6.635	281.237	-66.67	-6.393	281.399	-3.00	29+0.000			281.591	281.037	0.554	6.393	281.399	-3.00	7.014	280.984	-66.67

Engenharia e Consultoria

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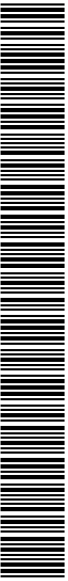
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.750	281.452	-66.67	-6.393	281.690	-3.00	30+0.000			281.882	281.357	0.524	6.393	281.690	-3.00	7.033	281.263	-66.67
-6.707	281.771	-66.67	-6.393	281.981	-3.00	31+0.000			282.173	281.733	0.440	6.393	281.981	-3.00	6.779	281.723	-66.67
-6.744	282.038	-66.67	-6.393	282.272	-3.00	32+0.000			282.463	282.140	0.324	6.393	282.272	-3.00	6.930	281.914	-66.67
-6.913	282.216	-66.67	-6.393	282.563	-3.00	33+0.000			282.754	282.381	0.374	6.393	282.563	-3.00	6.993	282.163	-66.67
-6.894	282.519	-66.67	-6.393	282.854	-3.00	34+0.000			283.045	282.638	0.407	6.393	282.854	-3.00	7.203	282.313	-66.67
-6.946	282.775	-66.67	-6.393	283.144	-3.00	35+0.000			283.336	282.883	0.454	6.393	283.144	-3.00	7.320	282.526	-66.67
-7.035	283.007	-66.67	-6.393	283.435	-3.00	36+0.000		PCV	283.627	283.133	0.494	6.393	283.435	-3.00	7.561	282.656	-66.67
-7.061	283.256	-66.67	-6.393	283.701	-3.00	37+0.000			283.893	283.367	0.526	6.393	283.701	-3.00	7.628	282.877	-66.67
-6.979	283.498	-66.67	-6.393	283.889	-3.00	38+0.000			284.081	283.459	0.622	6.393	283.889	-3.00	7.638	283.059	-66.67
-7.157	283.487	-66.67	-6.393	283.997	-3.00	39+0.000			284.189	283.484	0.705	6.393	283.997	-3.00	7.729	283.106	-66.67
-7.391	283.359	-66.67	-6.393	284.024	-3.00	40+0.000			284.216	283.433	0.783	6.393	284.024	-3.00	7.626	283.202	-66.67
-7.341	283.340	-66.67	-6.393	283.972	-3.00	41+0.000		PTV	284.164	283.488	0.675	6.393	283.972	-3.00	7.646	283.137	-66.67
-7.276	283.252	-66.67	-6.393	283.842	-3.00	42+0.000			284.033	283.487	0.546	6.393	283.842	-3.00	7.364	283.194	-66.67
-6.870	283.368	-66.67	-6.393	283.686	-3.00	43+0.000			283.878	283.532	0.346	6.393	283.686	-3.00	7.006	283.277	-66.67
-6.566	283.415	-66.67	-6.393	283.530	-3.00	44+0.000			283.722	283.608	0.114	6.393	283.530	-3.00	6.719	283.313	-66.67
-6.577	283.559	100.00	-6.393	283.375	-3.00	45+0.000			283.567	283.683	-0.117	6.393	283.375	-3.00	6.409	283.391	100.00
-6.881	283.708	100.00	-6.393	283.219	-3.00	46+0.000			283.411	283.701	-0.289	6.393	283.219	-3.00	6.608	283.435	100.00
-7.080	283.751	100.00	-6.393	283.064	-3.00	47+0.000			283.256	283.662	-0.407	6.393	283.064	-3.00	6.766	283.437	100.00
-7.086	283.602	100.00	-6.393	282.908	-3.00	48+0.000			283.100	283.504	-0.404	6.393	282.908	-3.00	6.848	283.364	100.00
-6.942	283.302	100.00	-6.393	282.753	-3.00	49+0.000			282.944	283.255	-0.310	6.393	282.753	-3.00	6.914	283.275	100.00
-6.979	283.184	100.00	-6.393	282.597	-3.00	50+0.000			282.789	282.937	-0.148	6.393	282.597	-3.00	6.503	282.707	100.00
-6.812	282.861	100.00	-6.393	282.442	-3.00	51+0.000			282.633	282.623	0.010	6.393	282.442	-3.00	6.810	282.859	100.00
-6.658	282.551	100.00	-6.393	282.286	-3.00	52+0.000			282.478	282.215	0.263	6.393	282.286	-3.00	6.536	282.429	100.00
-6.473	282.077	-66.67	-6.393	282.130	-3.00	53+0.000			282.322	281.698	0.624	6.393	282.130	-3.00	6.566	282.015	-66.67
-7.063	281.528	-66.67	-6.393	281.975	-3.00	54+0.000			282.167	281.195	0.971	6.393	281.975	-3.00	7.156	281.466	-66.67
-7.108	281.487	-66.67	-6.393	281.963	-3.00	54+1.504	PC		282.155	281.156	0.999	6.393	281.963	-3.00	7.213	281.416	-66.67
-7.224	281.382	-66.67	-6.393	281.936	-3.00	54+5.000			282.128	281.073	1.054	6.393	281.936	-3.00	7.331	281.311	-66.67
-7.461	281.185	-66.67	-6.393	281.897	-3.00	54+10.000			282.089	280.993	1.096	6.393	281.897	-3.00	7.514	281.150	-66.67
-7.699	280.987	-66.67	-6.393	281.858	-3.00	54+15.000			282.050	280.911	1.139	6.393	281.858	-3.00	7.687	280.995	-66.67
-7.908	280.809	-66.67	-6.393	281.819	-3.00	55+0.000			282.011	280.830	1.181	6.393	281.819	-3.00	7.859	280.841	-66.67
-8.050	280.684	-66.67	-6.393	281.789	-3.00	55+3.937			281.980	280.766	1.214	6.393	281.789	-3.00	7.995	280.720	-66.67
-8.161	280.601	-66.67	-6.393	281.780	-3.00	55+5.000		PCV	281.972	280.750	1.222	6.393	281.780	-3.00	8.006	280.705	-66.67
-8.685	280.214	-66.67	-6.393	281.742	-3.00	55+10.000			281.934	280.666	1.268	6.393	281.742	-3.00	8.027	280.653	-66.67
-8.797	280.108	-66.67	-6.393	281.711	-3.00	55+15.000			281.903	280.580	1.323	6.393	281.711	-3.00	8.059	280.600	-66.67
-8.929	279.997	-66.67	-6.393	281.688	-3.00	56+0.000			281.880	280.493	1.386	6.393	281.688	-3.00	8.121	280.536	-66.67
-9.105	279.864	-66.67	-6.393	281.672	-3.00	56+5.000			281.864	280.417	1.448	6.393	281.672	-3.00	8.199	280.468	-66.67
-9.196	279.800	-66.67	-6.393	281.670	-3.00	56+6.370	PT		281.861	280.405	1.456	6.393	281.670	-3.00	8.225	280.448	-66.67
-9.935	279.311	-66.67	-6.393	281.673	-3.00	57+0.000			281.864	280.291	1.574	6.393	281.673	-3.00	8.595	280.205	-66.67
-10.519	279.032	-66.67	-6.393	281.782	-3.00	58+0.000		PTV	281.974	280.233	1.741	6.393	281.782	-3.00	8.789	280.185	-66.67
-11.252	278.769	-66.67	-6.393	282.008	-3.00	59+0.000			282.200	280.344	1.856	6.393	282.008	-3.00	8.295	280.740	-66.67
-12.122	278.438	-66.67	-6.393	282.258	-3.00	60+0.000			282.450	280.709	1.741	6.393	282.258	-3.00	8.862	280.612	-66.67
-12.388	278.511	-66.67	-6.393	282.508	-3.00	61+0.000		PCV	282.700	281.090	1.610	6.393	282.508	-3.00	9.320	280.557	-66.67
-10.130	280.248	-66.67	-6.393	282.739	-3.00	62+0.000			282.931	281.715	1.216	6.393	282.739	-3.00	8.332	281.446	-66.67
-8.375	281.582	-66.67	-6.393	282.903	-3.00	63+0.000			283.095	282.257	0.838	6.393	282.903	-3.00	7.219	282.352	-66.67
-7.556	282.222	-66.67	-6.393	282.997	-3.00	64+0.000			283.189	282.676	0.513	6.393	282.997	-3.00	11.050	287.655	100.00
-7.307	282.412	-66.67	-6.393	283.022	-3.00	65+0.000			283.214	282.505	0.709	6.393	283.022	-3.00	9.644	286.274	100.00

Engenharia e Consultoria

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SINFRA-PRO-2026/06335-17A



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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.033	281.884	-66.67	-6.393	282.977	-3.00	66+0.000			283.169	282.187	0.982	6.393	282.977	-3.00	6.630	282.819	-66.67
-9.098	281.059	-66.67	-6.393	282.863	-3.00	67+0.000			283.055	281.731	1.324	6.393	282.863	-3.00	8.309	281.585	-66.67
-9.790	280.414	-66.67	-6.393	282.679	-3.00	68+0.000			282.871	281.399	1.472	6.393	282.679	-3.00	8.585	281.218	-66.67
-10.213	280.040	-66.67	-6.393	282.587	-3.00	68+7.938	PC		282.779	281.294	1.485	6.393	282.587	-3.00	8.509	281.176	-66.67
-10.479	279.837	-66.67	-6.393	282.561	-3.00	68+10.000		PTV	282.753	281.269	1.484	6.393	282.561	-3.00	8.517	281.145	-66.67
-10.244	279.928	-66.67	-6.393	282.496	-3.00	68+15.000			282.688	281.209	1.478	6.393	282.496	-3.00	8.563	281.049	-66.67
-10.004	280.020	-66.67	-6.393	282.428	-3.00	69+0.000			282.620	281.149	1.471	6.393	282.428	-3.00	8.629	280.937	-66.67
-9.764	280.113	-66.67	-6.393	282.361	-3.00	69+4.980			282.553	281.089	1.464	6.393	282.361	-3.00	8.670	280.842	-66.67
-9.763	280.113	-66.67	-6.393	282.361	-3.00	69+5.000			282.553	281.089	1.464	6.393	282.361	-3.00	8.670	280.842	-66.67
-9.612	280.147	-66.67	-6.393	282.293	-3.00	69+10.000			282.485	281.053	1.432	6.393	282.293	-3.00	8.536	280.864	-66.67
-9.459	280.181	-66.67	-6.393	282.226	-3.00	69+15.000			282.418	281.018	1.400	6.393	282.226	-3.00	8.402	280.886	-66.67
-9.306	280.216	-66.67	-6.393	282.158	-3.00	70+0.000			282.350	280.981	1.369	6.393	282.158	-3.00	8.269	280.907	-66.67
-9.244	280.230	-66.67	-6.393	282.131	-3.00	70+2.021	PT		282.323	280.967	1.356	6.393	282.131	-3.00	8.216	280.915	-66.67
-8.708	280.344	-66.67	-6.393	281.888	-3.00	71+0.000			282.080	280.882	1.198	6.393	281.888	-3.00	7.990	280.823	-66.67
-7.857	280.642	-66.67	-6.393	281.618	-3.00	72+0.000		PCV	281.810	280.771	1.039	6.393	281.618	-3.00	7.420	280.933	-66.67
-7.379	280.692	-66.67	-6.393	281.350	-3.00	73+0.000			281.542	280.703	0.838	6.393	281.350	-3.00	7.378	280.693	-66.67
-7.162	280.622	-66.67	-6.393	281.135	-3.00	74+0.000			281.327	280.740	0.588	6.393	281.135	-3.00	6.661	280.957	-66.67
-7.215	280.451	-66.67	-6.393	281.000	-3.00	75+0.000			281.191	280.707	0.485	6.393	281.000	-3.00	6.660	280.821	-66.67
-6.639	280.778	-66.67	-6.393	280.943	-3.00	76+0.000			281.134	280.663	0.471	6.393	280.943	-3.00	6.844	280.642	-66.67
-6.494	280.897	-66.67	-6.393	280.964	-3.00	77+0.000		PTV	281.156	280.671	0.486	6.393	280.964	-3.00	7.003	280.557	-66.67
-7.167	280.523	-66.67	-6.393	281.040	-3.00	78+0.000			281.232	280.655	0.577	6.393	281.040	-3.00	7.164	280.525	-66.67
-7.633	280.291	-66.67	-6.393	281.117	-3.00	79+0.000			281.309	280.653	0.656	6.393	281.117	-3.00	7.278	280.527	-66.67
-7.907	280.185	-66.67	-6.393	281.195	-3.00	80+0.000			281.386	280.693	0.693	6.393	281.195	-3.00	7.620	280.376	-66.67
-7.918	280.255	-66.67	-6.393	281.272	-3.00	81+0.000			281.464	280.686	0.778	6.393	281.272	-3.00	7.283	280.678	-66.67
-7.847	280.380	-66.67	-6.393	281.349	-3.00	82+0.000			281.541	280.665	0.876	6.393	281.349	-3.00	7.421	280.663	-66.67
-7.713	280.546	-66.67	-6.393	281.426	-3.00	83+0.000			281.618	280.677	0.941	6.393	281.426	-3.00	7.471	280.708	-66.67
-7.850	280.532	-66.67	-6.393	281.504	-3.00	84+0.000			281.695	280.698	0.998	6.393	281.504	-3.00	7.505	280.762	-66.67
-7.984	280.520	-66.67	-6.393	281.581	-3.00	85+0.000			281.773	280.665	1.107	6.393	281.581	-3.00	7.913	280.567	-66.67
-8.088	280.528	-66.67	-6.393	281.658	-3.00	86+0.000			281.850	280.619	1.231	6.393	281.658	-3.00	8.081	280.533	-66.67
-8.384	280.408	-66.67	-6.393	281.735	-3.00	87+0.000			281.927	280.602	1.325	6.393	281.735	-3.00	8.266	280.487	-66.67
-8.433	280.452	-66.67	-6.393	281.813	-3.00	88+0.000			282.005	280.567	1.438	6.393	281.813	-3.00	8.409	280.469	-66.67
-8.536	280.461	-66.67	-6.393	281.890	-3.00	89+0.000			282.082	280.543	1.539	6.393	281.890	-3.00	8.748	280.319	-66.67
-8.708	280.424	-66.67	-6.393	281.967	-3.00	90+0.000			282.159	280.598	1.561	6.393	281.967	-3.00	8.767	280.384	-66.67
-8.658	280.534	-66.67	-6.393	282.045	-3.00	91+0.000			282.236	280.669	1.567	6.393	282.045	-3.00	8.752	280.471	-66.67
-8.713	280.575	-66.67	-6.393	282.122	-3.00	92+0.000			282.314	280.717	1.597	6.393	282.122	-3.00	8.843	280.488	-66.67
-8.688	280.669	-66.67	-6.393	282.199	-3.00	93+0.000		PCV	282.391	280.767	1.624	6.393	282.199	-3.00	8.953	280.492	-66.67
-8.648	280.777	-66.67	-6.393	282.280	-3.00	94+0.000			282.472	280.870	1.602	6.393	282.280	-3.00	8.982	280.554	-66.67
-8.656	280.867	-66.67	-6.393	282.376	-3.00	95+0.000			282.568	280.970	1.598	6.393	282.376	-3.00	8.991	280.643	-66.67
-8.632	280.993	-66.67	-6.393	282.485	-3.00	96+0.000			282.677	281.083	1.595	6.393	282.485	-3.00	8.879	280.828	-66.67
-8.656	281.100	-66.67	-6.393	282.609	-3.00	97+0.000			282.801	281.219	1.582	6.393	282.609	-3.00	8.694	281.075	-66.67
-8.616	281.266	-66.67	-6.393	282.748	-3.00	98+0.000			282.940	281.331	1.609	6.393	282.748	-3.00	8.736	281.186	-66.67
-8.469	281.517	-66.67	-6.393	282.901	-3.00	99+0.000			283.093	281.453	1.640	6.393	282.901	-3.00	8.880	281.243	-66.67
-8.565	281.620	-66.67	-6.393	283.068	-3.00	100+0.000		PTV	283.260	281.609	1.651	6.393	283.068	-3.00	8.952	281.362	-66.67
-8.880	281.591	-66.67	-6.393	283.249	-3.00	101+0.000			283.441	281.760	1.681	6.393	283.249	-3.00	9.114	281.435	-66.67
-9.000	281.697	-66.67	-6.393	283.435	-3.00	102+0.000			283.626	281.911	1.716	6.393	283.435	-3.00	8.902	281.762	-66.67
-9.050	281.849	-66.67	-6.393	283.620	-3.00	103+0.000			283.812	282.046	1.766	6.393	283.620	-3.00	9.136	281.791	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.982	282.079	-66.67	-6.393	283.805	-3.00	104+0.000			283.997	282.188	1.809	6.393	283.805	-3.00	9.125	281.984	-66.67
-8.933	282.297	-66.67	-6.393	283.991	-3.00	105+0.000			284.182	282.309	1.874	6.393	283.991	-3.00	9.319	282.039	-66.67
-8.968	282.459	-66.67	-6.393	284.176	-3.00	106+0.000			284.368	282.441	1.926	6.393	284.176	-3.00	9.373	282.189	-66.67
-9.140	282.529	-66.67	-6.393	284.361	-3.00	107+0.000			284.553	282.580	1.973	6.393	284.361	-3.00	9.395	282.360	-66.67
-9.077	282.757	-66.67	-6.393	284.546	-3.00	108+0.000			284.738	282.771	1.967	6.393	284.546	-3.00	9.348	282.576	-66.67
-9.021	282.980	-66.67	-6.393	284.732	-3.00	109+0.000			284.924	282.946	1.978	6.393	284.732	-3.00	9.154	282.890	-66.67
-9.137	283.087	-66.67	-6.393	284.917	-3.00	110+0.000			285.109	283.123	1.986	6.393	284.917	-3.00	9.239	283.019	-66.67
-8.787	283.506	-66.67	-6.393	285.102	-3.00	111+0.000			285.294	283.314	1.980	6.393	285.102	-3.00	9.257	283.193	-66.67
-9.032	283.528	-66.67	-6.393	285.288	-3.00	112+0.000			285.479	283.551	1.928	6.393	285.288	-3.00	9.248	283.384	-66.67
-9.023	283.719	-66.67	-6.393	285.473	-3.00	113+0.000			285.665	283.762	1.902	6.393	285.473	-3.00	9.235	283.578	-66.67
-8.945	283.956	-66.67	-6.393	285.658	-3.00	114+0.000			285.850	283.995	1.855	6.393	285.658	-3.00	9.239	283.760	-66.67
-8.796	284.241	-66.67	-6.393	285.844	-3.00	115+0.000			286.035	284.237	1.799	6.393	285.844	-3.00	9.036	284.081	-66.67
-8.644	284.528	-66.67	-6.393	286.029	-3.00	116+0.000			286.221	284.516	1.704	6.393	286.029	-3.00	8.945	284.327	-66.67
-8.602	284.741	-66.67	-6.393	286.214	-3.00	117+0.000			286.406	284.827	1.578	6.393	286.214	-3.00	8.674	284.693	-66.67
-8.586	284.937	-66.67	-6.393	286.399	-3.00	118+0.000			286.591	285.111	1.480	6.393	286.399	-3.00	8.466	285.017	-66.67
-8.521	285.165	-66.67	-6.393	286.585	-3.00	119+0.000			286.776	285.376	1.401	6.393	286.585	-3.00	8.056	285.476	-66.67
-8.357	285.460	-66.67	-6.393	286.770	-3.00	120+0.000			286.962	285.642	1.319	6.393	286.770	-3.00	7.596	285.967	-66.67
-8.218	285.738	-66.67	-6.393	286.955	-3.00	121+0.000			287.147	285.882	1.265	6.393	286.955	-3.00	7.635	286.127	-66.67
-8.134	285.979	-66.67	-6.393	287.141	-3.00	122+0.000			287.332	286.094	1.239	6.393	287.141	-3.00	7.611	286.328	-66.67
-8.078	286.202	-66.67	-6.393	287.326	-3.00	123+0.000			287.518	286.332	1.186	6.393	287.326	-3.00	7.894	286.325	-66.67
-7.835	286.550	-66.67	-6.393	287.511	-3.00	124+0.000			287.703	286.573	1.130	6.393	287.511	-3.00	7.859	286.533	-66.67
-7.809	286.752	-66.67	-6.393	287.696	-3.00	125+0.000			287.888	286.789	1.099	6.393	287.696	-3.00	7.979	286.639	-66.67
-7.760	286.970	-66.67	-6.393	287.882	-3.00	126+0.000		PCV	288.074	286.986	1.088	6.393	287.882	-3.00	7.546	287.113	-66.67
-7.777	287.128	-66.67	-6.393	288.051	-3.00	127+0.000			288.243	287.182	1.061	6.393	288.051	-3.00	7.604	287.244	-66.67
-7.862	287.165	-66.67	-6.393	288.145	-3.00	128+0.000			288.337	287.398	0.938	6.393	288.145	-3.00	7.610	287.333	-66.67
-7.672	287.304	-66.67	-6.393	288.157	-3.00	129+0.000			288.348	287.521	0.828	6.393	288.157	-3.00	7.691	287.291	-66.67
-7.418	287.402	-66.67	-6.393	288.086	-3.00	130+0.000			288.278	287.500	0.778	6.393	288.086	-3.00	7.403	287.413	-66.67
-7.461	287.222	-66.67	-6.393	287.934	-3.00	131+0.000			288.126	287.333	0.793	6.393	287.934	-3.00	6.994	287.533	-66.67
-7.548	286.973	-66.67	-6.393	287.744	-3.00	131+16.741	TS		287.936	287.065	0.870	6.393	287.744	-3.00	7.197	287.207	-66.67
-7.576	286.911	-66.67	-6.393	287.700	-3.00	132+0.000			287.892	287.004	0.888	6.393	287.700	-3.00	7.239	287.136	-66.67
-7.626	286.807	-66.67	-6.393	287.629	-3.00	132+5.000			287.821	286.911	0.910	6.393	287.629	-3.00	7.294	287.028	-66.67
-7.692	286.686	-66.67	-6.393	287.552	-3.00	132+10.000			287.744	286.818	0.926	6.393	287.552	-3.00	7.234	286.991	-66.67
-7.730	286.579	-66.67	-6.393	287.471	-3.00	132+15.000			287.663	286.722	0.941	6.393	287.471	-3.00	7.062	287.024	-66.67
-7.759	286.473	-66.67	-6.393	287.384	-3.00	133+0.000			287.576	286.623	0.953	6.393	287.384	-3.00	7.291	286.785	-66.67
-7.784	286.365	-66.67	-6.393	287.292	-3.00	133+5.000			287.484	286.525	0.959	6.393	287.292	-3.00	7.160	286.781	-66.67
-7.788	286.265	-66.67	-6.393	287.196	-3.00	133+10.000			287.387	286.426	0.961	6.393	287.196	-3.00	6.989	286.798	-66.67
-7.761	286.181	-66.67	-6.393	287.094	-3.00	133+15.000			287.285	286.325	0.960	6.393	287.094	-3.00	6.984	286.699	-66.67
-7.726	286.097	-66.67	-6.393	286.986	-3.00	134+0.000			287.178	286.225	0.953	6.393	286.986	-3.00	6.991	286.587	-66.67
-7.686	286.012	-66.67	-6.393	286.874	-3.00	134+5.000			287.066	286.142	0.924	6.393	286.874	-3.00	7.141	286.375	-66.67
-7.682	285.897	-66.67	-6.393	286.757	-3.00	134+10.000			286.949	286.056	0.893	6.393	286.757	-3.00	7.250	286.185	-66.67
-7.717	285.751	-66.67	-6.393	286.634	-3.00	134+15.000			286.826	285.964	0.862	6.393	286.634	-3.00	7.295	286.033	-66.67
-7.746	285.604	-66.67	-6.393	286.507	-3.00	135+0.000			286.699	285.880	0.819	6.393	286.553	-2.27	7.399	285.882	-66.67
-7.594	285.573	-66.67	-6.393	286.374	-3.00	135+5.000			286.566	285.857	0.709	6.393	286.473	-1.44	7.306	285.865	-66.67
-7.347	285.600	-66.67	-6.393	286.236	-3.00	135+10.000		PTV	286.428	285.794	0.634	6.393	286.388	-0.62	7.242	285.822	-66.67
-7.248	285.523	-66.67	-6.393	286.094	-3.00	135+15.000			286.286	285.681	0.605	6.393	286.299	0.21	7.205	285.757	-66.67
-7.150	285.446	-66.67	-6.393	285.951	-3.00	136+0.000			286.143	285.568	0.575	6.393	286.209	1.03	7.161	285.697	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.053	285.368	-66.67	-6.393	285.808	-3.00	136+5.000			286.000	285.400	0.600	6.393	286.119	1.86	7.110	285.641	-66.67
-7.039	285.234	-66.67	-6.393	285.665	-3.00	136+10.000			285.857	285.250	0.607	6.393	286.029	2.69	7.040	285.597	-66.67
-7.011	285.077	-66.67	-6.393	285.490	-3.51	136+15.000			285.714	285.146	0.568	6.393	285.939	3.51	6.956	285.563	-66.67
-6.991	285.023	-66.67	-6.393	285.422	-3.80	136+16.741	SC		285.665	285.111	0.554	6.393	285.907	3.80	6.944	285.540	-66.67
-7.011	284.916	-66.67	-6.393	285.329	-3.80	137+0.000			285.571	285.045	0.526	6.393	285.814	3.80	6.968	285.431	-66.67
-7.047	284.750	-66.67	-6.393	285.186	-3.80	137+5.000			285.429	284.948	0.480	6.393	285.671	3.80	7.004	285.264	-66.67
-6.970	284.658	-66.67	-6.393	285.043	-3.80	137+10.000			285.286	284.838	0.448	6.393	285.529	3.80	7.035	285.100	-66.67
-6.856	284.591	-66.67	-6.393	284.900	-3.80	137+15.000			285.143	284.711	0.431	6.393	285.386	3.80	7.016	284.970	-66.67
-6.744	284.523	-66.67	-6.393	284.757	-3.80	138+0.000			285.000	284.589	0.411	6.393	285.243	3.80	6.955	284.868	-66.67
-6.632	284.454	-66.67	-6.393	284.614	-3.80	138+5.000			284.857	284.470	0.387	6.393	285.100	3.80	6.889	284.769	-66.67
-6.600	284.391	-66.67	-6.393	284.530	-3.80	138+7.964			284.772	284.403	0.369	6.393	285.015	3.80	6.849	284.711	-66.67
-6.589	284.341	-66.67	-6.393	284.471	-3.80	138+10.000			284.714	284.354	0.361	6.393	284.957	3.80	6.841	284.658	-66.67
-6.555	284.220	-66.67	-6.393	284.329	-3.80	138+15.000			284.571	284.234	0.338	6.393	284.814	3.80	6.815	284.533	-66.67
-6.526	284.097	-66.67	-6.393	284.186	-3.80	139+0.000			284.429	284.082	0.347	6.393	284.671	3.80	6.724	284.450	-66.67
-6.502	283.970	-66.67	-6.393	284.043	-3.80	139+5.000			284.286	283.917	0.369	6.393	284.529	3.80	6.566	284.413	-66.67
-6.486	283.838	-66.67	-6.393	283.900	-3.80	139+10.000			284.143	283.750	0.393	6.393	284.386	3.80	6.441	284.353	-66.67
-6.581	283.631	-66.67	-6.393	283.757	-3.80	139+15.000			284.000	283.581	0.419	6.393	284.243	3.80	6.550	284.138	-66.67
-6.666	283.455	-66.67	-6.393	283.637	-3.80	139+19.187	CS		283.880	283.437	0.444	6.393	284.123	3.80	6.635	283.962	-66.67
-6.695	283.421	-66.67	-6.393	283.623	-3.67	140+0.000			283.857	283.408	0.449	6.393	284.091	3.67	6.636	283.929	-66.67
-6.858	283.212	-66.67	-6.393	283.523	-3.00	140+5.000			283.714	283.232	0.483	6.393	283.896	2.84	6.637	283.733	-66.67
-6.928	283.023	-66.67	-6.393	283.380	-3.00	140+10.000			283.571	283.035	0.536	6.393	283.700	2.01	6.559	283.589	-66.67
-6.944	282.869	-66.67	-6.393	283.237	-3.00	140+15.000			283.429	282.872	0.556	6.393	283.504	1.19	6.417	283.488	-66.67
-6.961	282.715	-66.67	-6.393	283.094	-3.00	141+0.000			283.286	282.704	0.582	6.393	283.309	0.36	6.440	283.356	100.00
-7.023	282.531	-66.67	-6.393	282.951	-3.00	141+5.000		PCV	283.143	282.535	0.608	6.393	283.113	-0.46	6.458	283.069	-66.67
-7.236	282.246	-66.67	-6.393	282.809	-3.00	141+10.000			283.001	282.385	0.616	6.393	282.918	-1.29	6.517	282.835	-66.67
-7.314	282.058	-66.67	-6.393	282.672	-3.00	141+15.000			282.864	282.227	0.636	6.393	282.729	-2.12	6.444	282.695	-66.67
-7.348	281.906	-66.67	-6.393	282.543	-3.00	142+0.000			282.734	282.067	0.667	6.393	282.546	-2.94	6.539	282.448	-66.67
-7.308	281.810	-66.67	-6.393	282.420	-3.00	142+5.000			282.612	281.903	0.710	6.393	282.420	-3.00	6.740	282.189	-66.67
-7.327	281.682	-66.67	-6.393	282.305	-3.00	142+10.000			282.497	281.708	0.789	6.393	282.305	-3.00	6.892	281.972	-66.67
-7.434	281.503	-66.67	-6.393	282.197	-3.00	142+15.000			282.389	281.483	0.906	6.393	282.197	-3.00	6.934	281.836	-66.67
-7.555	281.321	-66.67	-6.393	282.096	-3.00	143+0.000			282.288	281.256	1.032	6.393	282.096	-3.00	6.990	281.698	-66.67
-7.689	281.138	-66.67	-6.393	282.002	-3.00	143+5.000			282.194	281.011	1.183	6.393	282.002	-3.00	7.058	281.559	-66.67
-7.890	280.917	-66.67	-6.393	281.916	-3.00	143+10.000			282.108	280.750	1.358	6.393	281.916	-3.00	7.209	281.372	-66.67
-8.224	280.615	-66.67	-6.393	281.836	-3.00	143+15.000			282.028	280.581	1.448	6.393	281.836	-3.00	7.515	281.088	-66.67
-8.572	280.311	-66.67	-6.393	281.764	-3.00	144+0.000			281.956	280.412	1.544	6.393	281.764	-3.00	7.831	280.805	-66.67
-8.934	280.004	-66.67	-6.393	281.699	-3.00	144+5.000			281.891	280.245	1.646	6.393	281.699	-3.00	8.230	280.474	-66.67
-9.424	279.620	-66.67	-6.393	281.641	-3.00	144+10.000			281.833	280.118	1.715	6.393	281.641	-3.00	8.590	280.176	-66.67
-10.003	279.183	-66.67	-6.393	281.590	-3.00	144+15.000			281.782	280.034	1.747	6.393	281.590	-3.00	8.732	280.030	-66.67
-10.498	278.816	-66.67	-6.393	281.553	-3.00	144+19.187	ST		281.745	279.965	1.780	6.393	281.553	-3.00	8.859	279.908	-66.67
-10.595	278.744	-66.67	-6.393	281.546	-3.00	145+0.000			281.738	279.951	1.787	6.393	281.546	-3.00	8.885	279.885	-66.67
-11.008	278.366	-66.67	-6.393	281.443	-3.00	146+0.000			281.634	279.847	1.788	6.393	281.443	-3.00	9.249	279.538	-66.67
-9.311	279.508	-66.67	-6.393	281.453	-3.00	147+0.000			281.645	279.968	1.677	6.393	281.453	-3.00	9.574	279.332	-66.67
-8.646	280.076	-66.67	-6.393	281.578	-3.00	148+0.000		PTV	281.770	280.211	1.559	6.393	281.689	-1.27	8.248	280.452	-66.67
-9.041	279.977	-66.67	-6.393	281.743	-3.00	148+14.794	PC		281.935	280.378	1.557	6.393	282.012	1.20	8.696	280.476	-66.67
-9.046	279.977	-66.67	-6.393	281.746	-3.00	148+15.000		PCV	281.938	280.380	1.558	6.393	282.016	1.23	8.734	280.455	-66.67
-9.177	279.952	-66.67	-6.393	281.808	-3.00	149+0.000			282.000	280.415	1.585	6.393	282.132	2.07	9.601	279.993	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9.726	279.644	-66.67	-6.393	281.867	-3.00	149+5.000			282.059	280.451	1.607	6.393	282.244	2.90	10.021	279.825	-66.67
-9.390	279.920	-66.67	-6.393	281.918	-3.00	149+10.000			282.110	280.537	1.574	6.393	282.302	3.00	10.206	279.760	-66.67
-8.491	280.563	-66.67	-6.393	281.963	-3.00	149+15.000			282.154	280.751	1.403	6.393	282.346	3.00	10.053	279.906	-66.67
-8.214	280.785	-66.67	-6.393	282.000	-3.00	150+0.000			282.192	280.967	1.224	6.393	282.383	3.00	9.790	280.119	-66.67
-8.035	280.935	-66.67	-6.393	282.030	-3.00	150+5.000			282.222	281.185	1.037	6.393	282.413	3.00	9.520	280.329	-66.67
-7.620	281.234	-66.67	-6.393	282.053	-3.00	150+10.000			282.245	281.415	0.829	6.393	282.436	3.00	9.175	280.582	-66.67
-7.093	281.601	-66.67	-6.393	282.069	-3.00	150+15.000			282.260	281.696	0.564	6.393	282.452	3.00	8.563	281.005	-66.67
-6.635	281.916	-66.67	-6.393	282.077	-3.00	151+0.000			282.269	281.980	0.289	6.393	282.461	3.00	7.848	281.490	-66.67
-6.549	282.235	100.00	-6.393	282.079	-3.00	151+5.000			282.271	282.266	0.004	6.393	282.462	3.00	7.055	282.021	-66.67
-6.795	282.475	100.00	-6.393	282.073	-3.00	151+10.000			282.265	282.516	-0.251	6.393	282.457	3.00	6.487	282.394	-66.67
-6.958	282.626	100.00	-6.393	282.060	-3.00	151+15.000			282.252	282.633	-0.381	6.393	282.444	3.00	6.584	282.635	100.00
-7.078	282.726	100.00	-6.393	282.040	-3.00	152+0.000			282.232	282.750	-0.518	6.393	282.424	3.00	6.841	282.872	100.00
-7.209	282.830	100.00	-6.393	282.013	-3.00	152+5.000			282.205	282.868	-0.663	6.393	282.397	3.00	7.106	283.110	100.00
-7.293	282.879	100.00	-6.393	281.979	-3.00	152+10.000			282.171	282.945	-0.774	6.393	282.363	3.00	8.662	284.632	100.00
-7.263	282.808	100.00	-6.393	281.938	-3.00	152+15.000			282.129	282.906	-0.776	6.393	282.321	3.00	8.225	284.153	100.00
-7.244	282.741	100.00	-6.393	281.889	-3.00	153+0.000			282.081	282.864	-0.783	6.393	282.273	3.00	7.803	283.683	100.00
-7.243	282.736	100.00	-6.393	281.886	-3.00	153+0.331			282.077	282.862	-0.784	6.393	282.269	3.00	7.775	283.652	100.00
-7.130	282.571	100.00	-6.393	281.834	-3.00	153+5.000			282.025	282.822	-0.797	6.393	282.217	3.00	7.443	283.267	100.00
-6.932	282.310	100.00	-6.393	281.771	-3.00	153+10.000			281.962	282.678	-0.716	6.393	282.154	3.00	8.588	284.350	100.00
-6.640	281.948	100.00	-6.393	281.701	-3.00	153+15.000			281.893	282.336	-0.443	6.393	282.084	3.00	7.989	283.681	100.00
-6.462	281.577	-66.67	-6.393	281.624	-3.00	154+0.000			281.815	281.993	-0.177	6.393	282.007	3.00	7.335	282.950	100.00
-7.187	281.010	-66.67	-6.393	281.539	-3.00	154+5.000			281.731	281.649	0.082	6.393	281.923	3.00	6.686	282.217	100.00
-7.941	280.415	-66.67	-6.393	281.448	-3.00	154+10.000			281.640	281.291	0.349	6.393	281.832	3.00	6.737	281.602	-66.67
-8.442	279.983	-66.67	-6.393	281.350	-3.00	154+15.000			281.541	280.904	0.637	6.393	281.733	3.00	7.202	281.194	-66.67
-8.833	279.617	-66.67	-6.393	281.244	-3.00	155+0.000			281.436	280.518	0.918	6.393	281.627	3.00	7.797	280.691	-66.67
-9.217	279.248	-66.67	-6.393	281.131	-3.00	155+5.000			281.323	280.128	1.195	6.393	281.515	3.00	8.169	280.330	-66.67
-9.515	278.930	-66.67	-6.393	281.011	-3.00	155+10.000			281.203	279.770	1.433	6.393	281.395	3.00	8.520	279.976	-66.67
-9.854	278.576	-66.67	-6.393	280.884	-3.00	155+15.000			281.076	279.597	1.478	6.393	281.268	3.00	8.808	279.657	-66.67
-10.250	278.178	-66.67	-6.393	280.750	-3.00	156+0.000			280.942	279.426	1.516	6.393	281.133	3.00	8.908	279.457	-66.67
-10.565	277.827	-66.67	-6.393	280.609	-3.00	156+5.000			280.800	279.256	1.545	6.393	280.992	3.00	8.975	279.270	-66.67
-10.665	277.612	-66.67	-6.393	280.460	-3.00	156+10.000			280.652	279.121	1.531	6.393	280.844	3.00	8.918	279.160	-66.67
-10.356	277.662	-66.67	-6.393	280.304	-3.00	156+15.000			280.496	279.053	1.443	6.393	280.688	3.00	8.691	279.156	-66.67
-10.040	277.710	-66.67	-6.393	280.142	-3.00	157+0.000		PTV	280.333	278.986	1.348	6.393	280.473	2.18	8.382	279.147	-66.67
-9.716	277.759	-66.67	-6.393	279.975	-3.00	157+5.000			280.167	278.920	1.246	6.393	280.253	1.34	8.008	279.176	-66.67
-9.660	277.767	-66.67	-6.393	279.946	-3.00	157+5.869	PT		280.138	278.909	1.229	6.393	280.214	1.20	7.931	279.189	-66.67
-9.739	277.244	-66.67	-6.393	279.475	-3.00	158+0.000			279.667	278.725	0.942	6.393	279.593	-1.16	7.551	278.821	-66.67
-9.789	277.112	-66.67	-6.393	279.377	-3.00	158+2.940	TS		279.569	278.687	0.882	6.393	279.463	-1.65	7.529	278.706	-66.67
-9.820	277.023	-66.67	-6.393	279.308	-3.00	158+5.000			279.500	278.660	0.840	6.393	279.373	-1.99	7.514	278.625	-66.67
-9.539	277.044	-66.67	-6.393	279.142	-3.00	158+10.000			279.333	278.577	0.756	6.393	279.153	-2.82	7.329	278.529	-66.67
-9.193	277.108	-66.67	-6.393	278.975	-3.00	158+15.000			279.167	278.455	0.711	6.393	278.975	-3.00	7.099	278.504	-66.67
-8.844	277.174	-66.67	-6.393	278.808	-3.00	159+0.000			279.000	278.333	0.667	6.393	278.808	-3.00	6.967	278.425	-66.67
-8.538	277.211	-66.67	-6.393	278.642	-3.00	159+5.000			278.833	278.211	0.622	6.393	278.642	-3.00	6.832	278.348	-66.67
-8.515	277.060	-66.67	-6.393	278.475	-3.00	159+10.000			278.667	278.065	0.602	6.393	278.475	-3.00	8.383	280.465	100.00
-8.915	276.627	-66.67	-6.393	278.308	-3.00	159+15.000			278.500	277.869	0.631	6.393	278.308	-3.00	8.921	280.836	100.00
-9.298	276.204	-66.67	-6.393	278.142	-3.00	160+0.000			278.333	277.671	0.662	6.393	278.142	-3.00	8.803	280.552	100.00
-10.202	275.435	-66.67	-6.393	277.975	-3.00	160+5.000			278.167	277.474	0.693	6.393	277.975	-3.00	8.431	280.013	100.00

Engenharia e Consultoria

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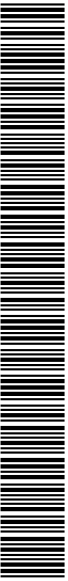
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast.(m)	Cota(m)	Incl.(%)	Afast.(m)	Cota(m)	Incl.(%)							Afast.(m)	Cota(m)	Incl.(%)	Afast.(m)	Cota(m)	Incl.(%)
-10.553	275.035	-66.67	-6.393	277.808	-3.00	160+10.000			278.000	277.259	0.741	6.393	277.808	-3.00	10.231	281.647	100.00
-10.533	274.882	-66.67	-6.393	277.642	-3.00	160+15.000			277.833	277.007	0.826	6.393	277.642	-3.00	10.339	281.588	100.00
-10.512	274.728	-66.67	-6.393	277.475	-3.00	161+0.000			277.667	276.754	0.913	6.393	277.475	-3.00	10.146	281.228	100.00
-10.493	274.575	-66.67	-6.393	277.308	-3.00	161+5.000			277.500	276.499	1.001	6.393	277.308	-3.00	9.973	280.889	100.00
-10.497	274.405	-66.67	-6.393	277.142	-3.00	161+10.000			277.333	276.253	1.081	6.393	277.142	-3.00	8.882	279.631	100.00
-10.314	274.360	-66.67	-6.393	276.975	-3.00	161+15.000			277.167	276.044	1.123	6.393	276.975	-3.00	6.938	276.611	-66.67
-10.210	274.315	-66.67	-6.393	276.859	-2.20	162+0.000			277.000	275.844	1.156	6.393	276.808	-3.00	7.078	276.351	-66.67
-10.109	274.269	-66.67	-6.393	276.747	-1.35	162+5.000			276.833	275.640	1.193	6.393	276.642	-3.00	7.213	276.095	-66.67
-9.936	274.273	-66.67	-6.393	276.635	-0.50	162+10.000		PCV	276.667	275.455	1.211	6.393	276.475	-3.00	7.262	275.895	-66.67
-9.657	274.346	-66.67	-6.393	276.523	0.35	162+15.000			276.500	275.320	1.180	6.393	276.309	-3.00	7.122	275.822	-66.67
-9.425	274.394	-66.67	-6.393	276.416	1.20	163+0.000			276.339	275.181	1.158	6.393	276.147	-3.00	6.983	275.753	-66.67
-9.207	274.438	-66.67	-6.393	276.315	2.05	163+5.000			276.184	275.045	1.139	6.393	275.992	-3.00	6.924	275.638	-66.67
-8.892	274.554	-66.67	-6.393	276.220	2.90	163+10.000			276.035	274.932	1.102	6.393	275.843	-3.00	7.124	275.355	-66.67
-8.698	274.630	-66.67	-6.393	276.167	3.40	163+12.940	SC		275.950	274.892	1.058	6.393	275.733	-3.40	7.087	275.270	-66.67
-8.541	274.677	-66.67	-6.393	276.109	3.40	163+15.000			275.892	274.864	1.028	6.393	275.675	-3.40	7.094	275.207	-66.67
-8.173	274.786	-66.67	-6.393	275.973	3.40	164+0.000			275.756	274.792	0.964	6.393	275.538	-3.40	7.120	275.053	-66.67
-8.862	274.197	-66.67	-6.393	275.843	3.40	164+5.000			275.625	274.704	0.922	6.393	275.408	-3.40	7.098	274.937	-66.67
-9.031	273.960	-66.67	-6.393	275.719	3.40	164+10.000			275.501	274.603	0.898	6.393	275.284	-3.40	7.045	274.849	-66.67
-8.977	273.878	-66.67	-6.393	275.601	3.40	164+15.000			275.384	274.516	0.867	6.393	275.166	-3.40	7.037	274.737	-66.67
-8.926	273.800	-66.67	-6.393	275.490	3.40	165+0.000			275.272	274.430	0.842	6.393	275.055	-3.40	7.038	274.625	-66.67
-8.880	273.726	-66.67	-6.393	275.384	3.40	165+5.000			275.167	274.346	0.821	6.393	274.950	-3.40	7.063	274.503	-66.67
-8.648	273.782	-66.67	-6.393	275.285	3.40	165+10.000			275.068	274.259	0.809	6.393	274.851	-3.40	7.083	274.390	-66.67
-8.497	273.790	-66.67	-6.393	275.193	3.40	165+15.000			274.975	274.167	0.808	6.393	274.758	-3.40	7.061	274.312	-66.67
-8.356	273.797	-66.67	-6.393	275.106	3.40	166+0.000			274.889	274.077	0.812	6.393	274.672	-3.40	7.051	274.233	-66.67
-8.224	273.805	-66.67	-6.393	275.026	3.40	166+5.000			274.809	273.989	0.819	6.393	274.591	-3.40	7.052	274.152	-66.67
-8.258	273.709	-66.67	-6.393	274.952	3.40	166+10.000			274.735	273.904	0.830	6.393	274.517	-3.40	7.066	274.068	-66.67
-8.453	273.511	-66.67	-6.393	274.884	3.40	166+15.000			274.667	273.839	0.828	6.393	274.450	-3.40	7.109	273.972	-66.67
-8.656	273.314	-66.67	-6.393	274.823	3.40	167+0.000			274.606	273.775	0.830	6.393	274.388	-3.40	7.163	273.875	-66.67
-8.199	273.563	-66.67	-6.393	274.768	3.40	167+5.000		PTV	274.550	273.713	0.837	6.393	274.333	-3.40	7.227	273.777	-66.67
-7.393	274.051	-66.67	-6.393	274.717	3.40	167+10.000			274.500	273.650	0.850	6.393	274.283	-3.40	7.282	273.689	-66.67
-8.938	272.970	-66.67	-6.393	274.667	3.40	167+15.000			274.450	273.579	0.871	6.393	274.233	-3.40	7.331	273.607	-66.67
-8.876	272.962	-66.67	-6.393	274.617	3.40	168+0.000			274.400	273.509	0.891	6.393	274.183	-3.40	7.380	273.524	-66.67
-8.811	272.955	-66.67	-6.393	274.567	3.40	168+5.000			274.350	273.440	0.910	6.393	274.133	-3.40	7.429	273.441	-66.67
-8.776	272.928	-66.67	-6.393	274.517	3.40	168+10.000			274.300	273.369	0.931	6.393	274.083	-3.40	7.471	273.364	-66.67
-8.883	272.807	-66.67	-6.393	274.467	3.40	168+15.000			274.250	273.294	0.956	6.393	274.033	-3.40	7.493	273.299	-66.67
-8.878	272.761	-66.67	-6.393	274.417	3.40	169+0.000			274.200	273.219	0.981	6.393	273.983	-3.40	7.515	273.234	-66.67
-8.863	272.720	-66.67	-6.393	274.367	3.40	169+5.000			274.150	273.147	1.003	6.393	273.933	-3.40	7.538	273.169	-66.67
-8.876	272.662	-66.67	-6.393	274.317	3.40	169+10.000			274.100	273.076	1.024	6.393	273.883	-3.40	7.575	273.094	-66.67
-8.853	272.627	-66.67	-6.393	274.267	3.40	169+15.000			274.050	273.015	1.035	6.393	273.833	-3.40	7.655	272.991	-66.67
-8.820	272.599	-66.67	-6.393	274.217	3.40	170+0.000			274.000	272.951	1.049	6.393	273.783	-3.40	7.736	272.887	-66.67
-8.773	272.580	-66.67	-6.393	274.167	3.40	170+5.000			273.950	272.883	1.067	6.393	273.733	-3.40	7.741	272.834	-66.67
-8.714	272.570	-66.67	-6.393	274.117	3.40	170+10.000			273.900	272.809	1.091	6.393	273.683	-3.40	7.728	272.793	-66.67
-8.763	272.487	-66.67	-6.393	274.067	3.40	170+15.000			273.850	272.744	1.106	6.393	273.633	-3.40	7.741	272.734	-66.67
-8.803	272.411	-66.67	-6.393	274.017	3.40	171+0.000			273.800	272.689	1.111	6.393	273.583	-3.40	7.742	272.683	-66.67
-8.821	272.370	-66.67	-6.393	273.989	3.40	171+2.807			273.772	272.657	1.115	6.393	273.555	-3.40	7.741	272.655	-66.67
-8.834	272.340	-66.67	-6.393	273.967	3.40	171+5.000		PCV	273.750	272.630	1.120	6.393	273.533	-3.40	7.741	272.634	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.826	272.294	-66.67	-6.393	273.916	3.40	171+10.000			273.699	272.572	1.127	6.393	273.481	-3.40	7.740	272.583	-66.67
-8.465	272.477	-66.67	-6.393	273.859	3.40	171+15.000			273.641	272.527	1.114	6.393	273.424	-3.40	7.743	272.523	-66.67
-8.101	272.656	-66.67	-6.393	273.795	3.40	172+0.000			273.578	272.478	1.100	6.393	273.360	-3.40	7.735	272.465	-66.67
-7.913	272.712	-66.67	-6.393	273.725	3.40	172+5.000			273.508	272.424	1.084	6.393	273.291	-3.40	7.715	272.409	-66.67
-7.763	272.736	-66.67	-6.393	273.649	3.40	172+10.000			273.432	272.368	1.064	6.393	273.215	-3.40	7.673	272.361	-66.67
-7.827	272.611	-66.67	-6.393	273.567	3.40	172+15.000			273.350	272.305	1.045	6.393	273.132	-3.40	7.635	272.304	-66.67
-7.877	272.489	-66.67	-6.393	273.478	3.40	173+0.000			273.261	272.238	1.023	6.393	273.044	-3.40	7.650	272.206	-66.67
-7.924	272.362	-66.67	-6.393	273.384	3.40	173+5.000			273.166	272.167	0.999	6.393	272.949	-3.40	7.663	272.102	-66.67
-8.274	272.029	-66.67	-6.393	273.283	3.40	173+10.000			273.065	272.092	0.974	6.393	272.848	-3.40	7.664	272.000	-66.67
-8.124	272.021	-66.67	-6.393	273.175	3.40	173+15.000			272.958	271.966	0.992	6.393	272.741	-3.40	7.660	271.896	-66.67
-8.451	271.689	-66.67	-6.393	273.062	3.40	174+0.000			272.844	271.837	1.007	6.393	272.627	-3.40	7.642	271.794	-66.67
-8.764	271.361	-66.67	-6.393	272.942	3.40	174+5.000			272.725	271.706	1.019	6.393	272.507	-3.40	7.612	271.694	-66.67
-9.011	271.071	-66.67	-6.393	272.816	3.40	174+10.000			272.599	271.569	1.030	6.393	272.381	-3.40	7.578	271.591	-66.67
-8.804	271.076	-66.67	-6.393	272.684	3.40	174+15.000			272.466	271.424	1.043	6.393	272.249	-3.40	7.589	271.451	-66.67
-8.584	271.084	-66.67	-6.393	272.545	3.40	175+0.000			272.328	271.276	1.052	6.393	272.110	-3.40	7.596	271.308	-66.67
-8.349	271.096	-66.67	-6.393	272.400	3.40	175+5.000			272.183	271.125	1.058	6.393	271.966	-3.40	7.584	271.171	-66.67
-8.020	271.164	-66.67	-6.393	272.249	3.40	175+10.000			272.032	270.966	1.066	6.393	271.815	-3.40	7.567	271.032	-66.67
-8.062	270.979	-66.67	-6.393	272.092	3.40	175+15.000			271.875	270.777	1.097	6.393	271.657	-3.40	7.450	270.952	-66.67
-8.166	270.746	-66.67	-6.393	271.928	3.40	176+0.000			271.711	270.585	1.126	6.393	271.494	-3.40	7.483	270.766	-66.67
-8.121	270.606	-66.67	-6.393	271.759	3.40	176+5.000			271.541	270.385	1.156	6.393	271.324	-3.40	7.513	270.577	-66.67
-7.982	270.523	-66.67	-6.393	271.583	3.40	176+10.000			271.365	270.159	1.206	6.393	271.148	-3.40	7.535	270.386	-66.67
-8.522	269.981	-66.67	-6.393	271.400	3.40	176+15.000			271.183	269.944	1.239	6.393	270.966	-3.40	7.531	270.207	-66.67
-8.243	269.978	-66.67	-6.393	271.212	3.40	177+0.000			270.994	269.721	1.273	6.393	270.777	-3.40	7.518	270.027	-66.67
-8.294	269.749	-66.67	-6.393	271.017	3.40	177+5.000			270.800	269.494	1.306	6.393	270.582	-3.40	7.477	269.859	-66.67
-8.464	269.435	-66.67	-6.393	270.816	3.40	177+10.000			270.599	269.263	1.336	6.393	270.381	-3.40	7.425	269.693	-66.67
-8.320	269.323	-66.67	-6.393	270.609	3.40	177+15.000			270.391	269.031	1.360	6.393	270.174	-3.40	7.474	269.453	-66.67
-8.223	269.175	-66.67	-6.393	270.395	3.40	178+0.000			270.178	268.795	1.383	6.393	269.960	-3.40	7.520	269.209	-66.67
-8.105	269.033	-66.67	-6.393	270.175	3.40	178+5.000			269.958	268.554	1.404	6.393	269.741	-3.40	7.560	268.963	-66.67
-8.123	268.795	-66.67	-6.393	269.949	3.40	178+10.000			269.732	268.309	1.423	6.393	269.515	-3.40	7.590	268.716	-66.67
-8.500	268.421	-66.67	-6.393	269.826	3.40	178+12.674	CS	PTV	269.608	268.210	1.399	6.393	269.391	-3.40	7.566	268.609	-66.67
-8.545	268.257	-66.67	-6.393	269.692	3.00	178+15.000			269.500	268.123	1.377	6.393	269.308	-3.00	7.583	268.514	-66.67
-8.640	267.906	-66.67	-6.393	269.404	2.15	179+0.000			269.267	267.922	1.345	6.393	269.075	-3.00	7.541	268.309	-66.67
-8.247	267.880	-66.67	-6.393	269.117	1.30	179+5.000			269.033	267.714	1.320	6.393	268.842	-3.00	7.636	268.012	-66.67
-8.056	267.720	-66.67	-6.393	268.829	0.45	179+10.000			268.800	267.502	1.298	6.393	268.608	-3.00	7.716	267.726	-66.67
-7.981	267.483	-66.67	-6.393	268.541	-0.40	179+15.000			268.567	267.234	1.333	6.393	268.375	-3.00	7.703	267.501	-66.67
-7.887	267.258	-66.67	-6.393	268.254	-1.25	180+0.000			268.333	266.963	1.371	6.393	268.142	-3.00	7.689	267.277	-66.67
-7.791	267.034	-66.67	-6.393	267.966	-2.10	180+5.000			268.100	266.676	1.424	6.393	267.908	-3.00	7.673	267.055	-66.67
-7.694	266.811	-66.67	-6.393	267.678	-2.95	180+10.000			267.867	266.358	1.509	6.393	267.675	-3.00	7.687	266.812	-66.67
-7.876	266.453	-66.67	-6.393	267.442	-3.00	180+15.000			267.633	266.101	1.532	6.393	267.442	-3.00	7.720	266.556	-66.67
-7.999	266.137	-66.67	-6.393	267.208	-3.00	181+0.000			267.400	265.842	1.558	6.393	267.208	-3.00	7.756	266.299	-66.67
-8.114	265.827	-66.67	-6.393	266.975	-3.00	181+5.000			267.167	265.584	1.583	6.393	266.975	-3.00	7.793	266.041	-66.67
-8.215	265.526	-66.67	-6.393	266.742	-3.00	181+10.000			266.933	265.328	1.606	6.393	266.742	-3.00	7.824	265.787	-66.67
-8.243	265.275	-66.67	-6.393	266.508	-3.00	181+15.000			266.700	265.057	1.643	6.393	266.508	-3.00	7.930	265.483	-66.67
-8.268	265.025	-66.67	-6.393	266.275	-3.00	182+0.000			266.467	264.771	1.696	6.393	266.275	-3.00	8.038	265.178	-66.67
-8.289	264.777	-66.67	-6.393	266.042	-3.00	182+5.000			266.233	264.481	1.753	6.393	266.042	-3.00	8.146	264.872	-66.67
-8.377	264.485	-66.67	-6.393	265.808	-3.00	182+10.000			266.000	264.164	1.836	6.393	265.808	-3.00	8.312	264.528	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.228	264.351	-66.67	-6.393	265.575	-3.00	182+15.000			265.767	263.881	1.886	6.393	265.575	-3.00	8.365	264.260	-66.67
-8.262	264.095	-66.67	-6.393	265.342	-3.00	183+0.000			265.533	263.597	1.936	6.393	265.342	-3.00	8.911	263.662	-66.67
-8.283	263.848	-66.67	-6.393	265.108	-3.00	183+5.000			265.300	263.301	1.999	6.393	265.108	-3.00	9.019	263.357	-66.67
-8.265	263.626	-66.67	-6.393	264.875	-3.00	183+10.000			265.067	263.007	2.060	6.393	264.875	-3.00	8.871	263.223	-66.67
-8.241	263.409	-66.67	-6.393	264.642	-3.00	183+15.000			264.833	262.737	2.096	6.393	264.642	-3.00	8.948	262.938	-66.67
-8.246	263.172	-66.67	-6.393	264.408	-3.00	184+0.000			264.600	262.440	2.160	6.393	264.408	-3.00	9.051	262.636	-66.67
-8.249	263.045	-66.67	-6.393	264.283	-3.00	184+2.674	ST	PCV	264.475	262.275	2.201	6.393	264.283	-3.00	9.140	262.452	-66.67
-8.409	262.166	-66.67	-6.393	263.511	-3.00	185+0.000			263.702	261.491	2.212	6.393	263.511	-3.00	9.411	261.498	-66.67
-8.847	261.075	-66.67	-6.393	262.712	-3.00	186+0.000			262.904	260.678	2.226	6.393	262.712	-3.00	9.497	260.642	-66.67
-9.008	260.269	-66.67	-6.393	262.013	-3.00	187+0.000			262.205	259.867	2.338	6.393	262.013	-3.00	9.797	259.743	-66.67
-9.683	259.286	-66.67	-6.393	261.479	-3.00	187+17.652	PC		261.671	259.446	2.225	6.393	261.479	-3.00	10.343	258.846	-66.67
-9.775	259.159	-66.67	-6.393	261.414	-3.00	188+0.000			261.606	259.415	2.191	6.393	261.414	-3.00	10.392	258.748	-66.67
-9.978	258.890	-66.67	-6.393	261.280	-3.00	188+5.000			261.472	259.318	2.154	6.393	261.280	-3.00	10.101	258.808	-66.67
-10.200	258.614	-66.67	-6.393	261.152	-3.00	188+10.000			261.344	259.224	2.120	6.393	261.152	-3.00	9.880	258.827	-66.67
-9.966	258.649	-66.67	-6.393	261.031	-3.00	188+15.000			261.222	259.159	2.064	6.393	261.031	-3.00	9.833	258.737	-66.67
-9.750	258.677	-66.67	-6.393	260.915	-3.00	189+0.000			261.107	259.088	2.019	6.393	260.915	-3.00	9.802	258.643	-66.67
-9.544	258.706	-66.67	-6.393	260.806	-3.00	189+5.000			260.998	259.012	1.987	6.393	260.806	-3.00	9.780	258.548	-66.67
-9.349	258.732	-66.67	-6.393	260.703	-3.00	189+10.000			260.895	258.939	1.956	6.393	260.703	-3.00	9.772	258.451	-66.67
-9.581	258.481	-66.67	-6.393	260.607	-3.00	189+15.000			260.799	258.925	1.873	6.393	260.607	-3.00	10.189	258.076	-66.67
-9.816	258.234	-66.67	-6.393	260.517	-3.00	190+0.000			260.708	258.960	1.749	6.393	260.517	-3.00	10.310	257.905	-66.67
-9.985	258.037	-66.67	-6.393	260.432	-3.00	190+5.000			260.624	258.994	1.630	6.393	260.432	-3.00	9.958	258.056	-66.67
-10.007	257.945	-66.67	-6.393	260.355	-3.00	190+9.988			260.547	259.022	1.524	6.393	260.355	-3.00	9.616	258.206	-66.67
-10.007	257.945	-66.67	-6.393	260.355	-3.00	190+10.000			260.546	259.022	1.524	6.393	260.355	-3.00	9.616	258.206	-66.67
-10.026	257.861	-66.67	-6.393	260.283	-3.00	190+15.000			260.475	258.955	1.520	6.393	260.283	-3.00	9.469	258.232	-66.67
-9.605	258.076	-66.67	-6.393	260.218	-3.00	191+0.000			260.410	258.852	1.558	6.393	260.218	-3.00	9.407	258.208	-66.67
-9.753	257.919	-66.67	-6.393	260.159	-3.00	191+5.000			260.350	258.748	1.602	6.393	260.159	-3.00	9.513	258.078	-66.67
-11.487	256.709	-66.67	-6.393	260.106	-3.00	191+10.000			260.298	258.646	1.652	6.393	260.106	-3.00	9.775	257.851	-66.67
-11.738	256.496	-66.67	-6.393	260.059	-3.00	191+15.000			260.251	258.556	1.695	6.393	260.059	-3.00	9.791	257.794	-66.67
-11.624	256.531	-66.67	-6.393	260.019	-3.00	192+0.000			260.211	258.470	1.741	6.393	260.019	-3.00	9.817	257.736	-66.67
-10.964	256.937	-66.67	-6.393	259.985	-3.00	192+5.000			260.177	258.385	1.791	6.393	259.985	-3.00	9.853	257.678	-66.67
-9.694	257.756	-66.67	-6.393	259.957	-3.00	192+10.000			260.149	258.314	1.835	6.393	259.957	-3.00	9.767	257.708	-66.67
-9.568	257.818	-66.67	-6.393	259.935	-3.00	192+15.000			260.127	258.365	1.762	6.393	259.935	-3.00	9.623	257.782	-66.67
-9.455	257.878	-66.67	-6.393	259.920	-3.00	193+0.000			260.112	258.416	1.696	6.393	259.920	-3.00	9.488	257.857	-66.67
-9.407	257.906	-66.67	-6.393	259.915	-3.00	193+2.324	PT		260.107	258.440	1.667	6.393	259.915	-3.00	9.428	257.892	-66.67
-8.837	258.291	-66.67	-6.393	259.921	-3.00	194+0.000			260.113	258.657	1.456	6.393	259.921	-3.00	8.595	258.453	-66.67
-8.271	258.770	-66.67	-6.393	260.023	-3.00	195+0.000		PTV	260.214	259.005	1.210	6.393	260.023	-3.00	7.236	259.460	-66.67
-7.823	259.269	-66.67	-6.393	260.223	-3.00	196+0.000			260.414	259.339	1.075	6.393	260.223	-3.00	6.404	260.234	100.00
-7.824	259.504	-66.67	-6.393	260.458	-3.00	197+0.000			260.650	259.715	0.935	6.393	260.458	-3.00	6.571	260.637	100.00
-7.661	259.848	-66.67	-6.393	260.694	-3.00	198+0.000			260.886	259.968	0.917	6.393	260.694	-3.00	6.403	260.687	-66.67
-7.718	260.046	-66.67	-6.393	260.930	-3.00	199+0.000			261.121	260.097	1.025	6.393	260.930	-3.00	6.935	260.568	-66.67
-8.405	259.823	-66.67	-6.393	261.165	-3.00	200+0.000		PCV	261.357	260.287	1.071	6.393	261.165	-3.00	7.094	260.698	-66.67
-8.139	260.237	-66.67	-6.393	261.401	-3.00	201+0.000			261.593	260.587	1.006	6.393	261.401	-3.00	7.290	260.803	-66.67
-7.681	260.839	-66.67	-6.393	261.698	-3.00	202+0.000			261.890	260.849	1.041	6.393	261.698	-3.00	7.550	260.926	-66.67
-7.741	261.210	-66.67	-6.393	262.109	-3.00	203+0.000			262.301	261.205	1.096	6.393	262.109	-3.00	7.689	261.245	-66.67
-7.242	262.068	-66.67	-6.393	262.635	-3.00	204+0.000			262.826	261.647	1.179	6.393	262.635	-3.00	7.221	262.082	-66.67
-6.694	263.073	-66.67	-6.393	263.274	-3.00	205+0.000			263.466	262.532	0.934	6.393	263.274	-3.00	6.892	262.941	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.619	263.878	-66.67	-6.393	264.028	-3.00	206+0.000			264.220	263.636	0.584	6.393	264.028	-3.00	6.450	263.990	-66.67
-6.615	264.748	-66.67	-6.393	264.897	-3.00	207+0.000		PTV	265.088	264.802	0.286	6.393	264.897	-3.00	6.738	265.242	100.00
-6.775	265.571	-66.67	-6.393	265.826	-3.00	208+0.000			266.018	265.444	0.574	6.393	265.826	-3.00	6.837	266.270	100.00
-6.747	266.519	-66.67	-6.393	266.755	-3.00	209+0.000			266.947	266.591	0.356	6.393	266.755	-3.00	6.908	267.271	100.00
-6.869	267.367	-66.67	-6.393	267.685	-3.00	210+0.000			267.876	267.550	0.327	6.393	267.685	-3.00	6.944	268.236	100.00
-7.142	268.115	-66.67	-6.393	268.614	-3.00	211+0.000			268.806	268.411	0.395	6.393	268.614	-3.00	6.944	269.165	100.00
-7.378	268.887	-66.67	-6.393	269.544	-3.00	212+0.000		PCV	269.735	269.314	0.421	6.393	269.544	-3.00	6.829	269.980	100.00
-7.522	269.710	-66.67	-6.393	270.463	-3.00	213+0.000			270.655	270.056	0.599	6.393	270.463	-3.00	6.477	270.547	100.00
-7.604	270.506	-66.67	-6.393	271.313	-3.00	214+0.000			271.505	270.855	0.649	6.393	271.313	-3.00	6.546	271.211	-66.67
-7.171	271.564	-66.67	-6.393	272.083	-3.00	215+0.000			272.275	271.939	0.335	6.393	272.083	-3.00	7.066	272.757	100.00
-6.507	272.888	100.00	-6.393	272.773	-3.00	216+0.000			272.965	272.974	-0.009	6.393	272.773	-3.00	8.082	274.462	100.00
-6.785	273.775	100.00	-6.393	273.383	-3.00	217+0.000			273.575	273.749	-0.174	6.393	273.383	-3.00	8.168	275.158	100.00
-6.559	274.079	100.00	-6.393	273.913	-3.00	218+0.000			274.104	274.207	-0.103	6.393	273.913	-3.00	7.520	275.040	100.00
-6.602	274.572	100.00	-6.393	274.363	-3.00	219+0.000			274.554	274.712	-0.158	6.393	274.363	-3.00	6.995	274.965	100.00
-6.636	274.976	100.00	-6.393	274.732	-3.00	220+0.000			274.924	275.236	-0.312	6.393	274.732	-3.00	6.840	275.180	100.00
-6.821	275.450	100.00	-6.393	275.022	-3.00	221+0.000			275.214	275.741	-0.527	6.393	275.022	-3.00	6.968	275.597	100.00
-6.764	275.604	100.00	-6.393	275.232	-3.00	222+0.000			275.424	275.888	-0.464	6.393	275.232	-3.00	6.938	275.778	100.00
-6.491	275.297	-66.67	-6.393	275.362	-3.00	223+0.000			275.554	275.730	-0.176	6.393	275.362	-3.00	6.645	275.614	100.00
-7.202	274.872	-66.67	-6.393	275.412	-3.00	224+0.000			275.604	275.261	0.343	6.393	275.412	-3.00	6.801	275.140	-66.67
-7.754	274.474	-66.67	-6.393	275.382	-3.00	225+0.000			275.574	274.734	0.840	6.393	275.382	-3.00	7.770	274.464	-66.67
-8.293	274.004	-66.67	-6.393	275.272	-3.00	226+0.000			275.464	274.216	1.248	6.393	275.272	-3.00	8.216	274.056	-66.67
-8.791	273.482	-66.67	-6.393	275.082	-3.00	227+0.000			275.273	273.698	1.575	6.393	275.082	-3.00	8.376	273.760	-66.67
-8.957	273.102	-66.67	-6.393	274.812	-3.00	228+0.000			275.003	273.334	1.670	6.393	274.812	-3.00	8.558	273.368	-66.67
-8.753	272.888	-66.67	-6.393	274.461	-3.00	229+0.000		PTV	274.653	272.997	1.656	6.393	274.461	-3.00	8.546	273.025	-66.67
-8.641	272.543	-66.67	-6.393	274.042	-3.00	230+0.000			274.233	272.666	1.567	6.393	274.042	-3.00	8.249	272.804	-66.67
-8.409	272.268	-66.67	-6.393	273.612	-3.00	231+0.000			273.804	272.275	1.529	6.393	273.612	-3.00	8.034	272.518	-66.67
-8.349	271.878	-66.67	-6.393	273.182	-3.00	232+0.000			273.374	271.839	1.535	6.393	273.182	-3.00	8.046	272.080	-66.67
-8.458	271.376	-66.67	-6.393	272.753	-3.00	233+0.000			272.944	271.415	1.529	6.393	272.753	-3.00	8.021	271.667	-66.67
-8.493	270.923	-66.67	-6.393	272.323	-3.00	234+0.000			272.515	271.086	1.429	6.393	272.323	-3.00	7.943	271.290	-66.67
-8.325	270.605	-66.67	-6.393	271.893	-3.00	235+0.000			272.085	270.751	1.334	6.393	271.893	-3.00	7.983	270.833	-66.67
-8.259	270.220	-66.67	-6.393	271.464	-3.00	236+0.000			271.656	270.380	1.276	6.393	271.464	-3.00	8.172	270.277	-66.67
-8.099	269.897	-66.67	-6.393	271.034	-3.00	237+0.000			271.226	269.947	1.279	6.393	271.034	-3.00	8.072	269.914	-66.67
-8.071	269.486	-66.67	-6.393	270.605	-3.00	238+0.000			270.796	269.613	1.183	6.393	270.605	-3.00	7.905	269.596	-66.67
-8.010	269.097	-66.67	-6.393	270.175	-3.00	239+0.000			270.367	269.249	1.117	6.393	270.175	-3.00	7.933	269.148	-66.67
-7.802	268.805	-66.67	-6.393	269.745	-3.00	240+0.000		PCV	269.937	268.879	1.058	6.393	269.745	-3.00	7.833	268.785	-66.67
-7.893	268.328	-66.67	-6.393	269.328	-3.00	241+0.000			269.520	268.517	1.003	6.393	269.328	-3.00	7.681	268.469	-66.67
-7.764	268.037	-66.67	-6.393	268.951	-3.00	242+0.000			269.143	268.150	0.992	6.393	268.951	-3.00	7.567	268.168	-66.67
-7.988	267.550	-66.67	-6.393	268.613	-3.00	243+0.000			268.805	267.831	0.974	6.393	268.613	-3.00	7.473	267.893	-66.67
-8.147	267.146	-66.67	-6.393	268.316	-3.00	244+0.000			268.508	267.475	1.033	6.393	268.316	-3.00	7.636	267.487	-66.67
-8.419	266.708	-66.67	-6.393	268.058	-3.00	245+0.000			268.250	267.147	1.103	6.393	268.058	-3.00	7.761	267.146	-66.67
-8.476	266.451	-66.67	-6.393	267.841	-3.00	246+0.000			268.033	266.933	1.099	6.393	267.841	-3.00	7.649	267.003	-66.67
-8.449	266.293	-66.67	-6.393	267.663	-3.00	247+0.000			267.855	266.816	1.039	6.393	267.663	-3.00	7.720	266.778	-66.67
-8.515	266.111	-66.67	-6.393	267.526	-3.00	248+0.000			267.717	266.712	1.005	6.393	267.526	-3.00	7.710	266.647	-66.67
-8.631	265.936	-66.67	-6.393	267.428	-3.00	249+0.000			267.620	266.591	1.029	6.393	267.428	-3.00	7.776	266.506	-66.67
-8.670	265.852	-66.67	-6.393	267.371	-3.00	250+0.000			267.562	266.475	1.088	6.393	267.371	-3.00	8.067	266.254	-66.67
-8.592	265.887	-66.67	-6.393	267.353	-3.00	251+0.000			267.545	266.380	1.165	6.393	267.353	-3.00	8.165	266.172	-66.67

Engenharia e Consultoria
dunamis

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.770	265.790	-66.67	-6.393	267.375	-3.00	252+0.000			267.567	266.379	1.188	6.393	267.375	-3.00	8.137	266.212	-66.67
-8.733	265.878	-66.67	-6.393	267.438	-3.00	253+0.000			267.630	266.365	1.264	6.393	267.438	-3.00	8.136	266.276	-66.67
-8.549	266.103	-66.67	-6.393	267.540	-3.00	254+0.000			267.732	266.409	1.323	6.393	267.540	-3.00	8.107	266.398	-66.67
-8.276	266.427	-66.67	-6.393	267.683	-3.00	255+0.000		PTV	267.875	266.575	1.299	6.393	267.683	-3.00	8.062	266.570	-66.67
-8.101	266.725	-66.67	-6.393	267.864	-3.00	256+0.000			268.056	266.815	1.241	6.393	267.864	-3.00	7.922	266.845	-66.67
-7.877	267.069	-66.67	-6.393	268.059	-3.00	257+0.000			268.251	267.086	1.165	6.393	268.059	-3.00	7.901	267.053	-66.67
-7.793	267.320	-66.67	-6.393	268.253	-3.00	258+0.000			268.445	267.391	1.054	6.393	268.253	-3.00	7.804	267.313	-66.67
-7.975	267.393	-66.67	-6.393	268.448	-3.00	259+0.000		PCV	268.640	267.642	0.998	6.393	268.448	-3.00	7.602	267.642	-66.67
-8.070	267.513	-66.67	-6.393	268.631	-3.00	260+0.000			268.823	267.825	0.998	6.393	268.631	-3.00	7.660	267.786	-66.67
-8.044	267.665	-66.67	-6.393	268.766	-3.00	261+0.000			268.958	268.012	0.946	6.393	268.766	-3.00	7.957	267.723	-66.67
-8.219	267.634	-66.67	-6.393	268.852	-3.00	262+0.000			269.043	268.177	0.867	6.393	268.852	-3.00	7.817	267.902	-66.67
-8.820	267.269	-66.67	-6.393	268.887	-3.00	263+0.000			269.079	268.202	0.877	6.393	268.887	-3.00	10.771	265.968	-66.67
-8.556	267.430	-66.67	-6.393	268.872	-3.00	264+0.000			269.064	268.149	0.915	6.393	268.872	-3.00	10.503	266.132	-66.67
-8.906	267.132	-66.67	-6.393	268.808	-3.00	265+0.000			268.999	268.008	0.991	6.393	268.808	-3.00	8.968	267.090	-66.67
-8.042	267.594	-66.67	-6.393	268.693	-3.00	266+0.000		PTV	268.885	267.839	1.045	6.393	268.693	-3.00	8.225	267.471	-66.67
-7.905	267.522	-66.67	-6.393	268.531	-3.00	267+0.000			268.723	267.692	1.031	6.393	268.531	-3.00	7.983	267.471	-66.67
-7.938	267.470	-66.67	-6.393	268.500	-3.00	267+3.527	PC		268.692	267.667	1.025	6.393	268.500	-3.00	7.973	267.446	-66.67
-7.952	267.448	-66.67	-6.393	268.487	-3.00	267+5.000			268.679	267.657	1.022	6.393	268.487	-3.00	7.969	267.437	-66.67
-7.999	267.373	-66.67	-6.393	268.444	-3.00	267+10.000			268.636	267.621	1.014	6.393	268.444	-3.00	7.956	267.401	-66.67
-7.999	267.372	-66.67	-6.393	268.443	-3.00	267+10.048			268.635	267.621	1.014	6.393	268.443	-3.00	7.957	267.401	-66.67
-8.001	267.328	-66.67	-6.393	268.400	-3.00	267+15.000			268.592	267.579	1.013	6.393	268.400	-3.00	7.973	267.347	-66.67
-8.002	267.314	-66.67	-6.393	268.387	-3.00	267+16.570	PT		268.579	267.566	1.013	6.393	268.387	-3.00	7.978	267.330	-66.67
-8.002	267.284	-66.67	-6.393	268.357	-3.00	268+0.000			268.549	267.536	1.012	6.393	268.357	-3.00	7.990	267.292	-66.67
-7.830	267.225	-66.67	-6.393	268.183	-3.00	269+0.000			268.375	267.344	1.031	6.393	268.183	-3.00	8.095	267.048	-66.67
-7.617	267.193	-66.67	-6.393	268.009	-3.00	270+0.000			268.201	267.157	1.044	6.393	268.009	-3.00	7.978	266.952	-66.67
-7.562	267.056	-66.67	-6.393	267.835	-3.00	271+0.000			268.027	267.000	1.027	6.393	267.835	-3.00	7.967	266.786	-66.67
-7.705	266.786	-66.67	-6.393	267.662	-3.00	272+0.000			267.853	266.853	1.001	6.393	267.662	-3.00	7.925	266.640	-66.67
-7.523	266.734	-66.67	-6.393	267.488	-3.00	273+0.000			267.680	266.689	0.990	6.393	267.488	-3.00	7.937	266.458	-66.67
-7.553	266.541	-66.67	-6.393	267.314	-3.00	274+0.000			267.506	266.549	0.956	6.393	267.314	-3.00	7.714	266.433	-66.67
-7.473	266.420	-66.67	-6.393	267.140	-3.00	275+0.000			267.332	266.411	0.921	6.393	267.140	-3.00	7.679	266.282	-66.67
-7.450	266.261	-66.67	-6.393	266.966	-3.00	276+0.000			267.158	266.250	0.908	6.393	266.966	-3.00	7.708	266.090	-66.67
-7.371	266.140	-66.67	-6.393	266.792	-3.00	277+0.000			266.984	266.109	0.875	6.393	266.792	-3.00	7.599	265.988	-66.67
-7.247	266.049	-66.67	-6.393	266.619	-3.00	278+0.000			266.810	265.956	0.854	6.393	266.619	-3.00	7.575	265.830	-66.67
-7.084	265.984	-66.67	-6.393	266.445	-3.00	279+0.000			266.637	265.812	0.824	6.393	266.445	-3.00	7.535	265.683	-66.67
-7.065	265.823	-66.67	-6.393	266.271	-3.00	280+0.000			266.463	265.712	0.751	6.393	266.271	-3.00	7.472	265.552	-66.67
-7.054	265.656	-66.67	-6.393	266.097	-3.00	281+0.000			266.289	265.553	0.736	6.393	266.097	-3.00	7.425	265.409	-66.67
-7.028	265.499	-66.67	-6.393	265.923	-3.00	282+0.000			266.115	265.365	0.750	6.393	265.923	-3.00	7.429	265.232	-66.67
-7.187	265.220	-66.67	-6.393	265.749	-3.00	283+0.000			265.941	265.154	0.787	6.393	265.749	-3.00	7.434	265.055	-66.67
-7.392	264.909	-66.67	-6.393	265.576	-3.00	284+0.000			265.767	264.889	0.878	6.393	265.576	-3.00	7.472	264.856	-66.67
-7.478	264.678	-66.67	-6.393	265.402	-3.00	285+0.000			265.594	264.658	0.935	6.393	265.402	-3.00	7.545	264.634	-66.67
-7.366	264.579	-66.67	-6.393	265.228	-3.00	286+0.000			265.420	264.416	1.004	6.393	265.228	-3.00	7.828	264.271	-66.67
-7.564	264.273	-66.67	-6.393	265.054	-3.00	287+0.000			265.246	264.187	1.059	6.393	265.054	-3.00	7.911	264.042	-66.67
-7.571	264.095	-66.67	-6.393	264.880	-3.00	288+0.000			265.072	263.987	1.085	6.393	264.880	-3.00	7.909	263.869	-66.67
-7.556	263.931	-66.67	-6.393	264.706	-3.00	289+0.000			264.898	263.789	1.109	6.393	264.706	-3.00	8.056	263.597	-66.67
-7.634	263.705	-66.67	-6.393	264.533	-3.00	290+0.000			264.724	263.579	1.145	6.393	264.533	-3.00	8.168	263.349	-66.67
-7.849	263.388	-66.67	-6.393	264.359	-3.00	291+0.000			264.551	263.383	1.168	6.393	264.359	-3.00	8.146	263.190	-66.67

Engenharia e Consultoria

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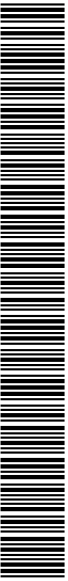
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.979	263.127	-66.67	-6.393	264.185	-3.00	292+0.000			264.377	263.230	1.147	6.393	264.185	-3.00	8.070	263.067	-66.67
-7.993	262.944	-66.67	-6.393	264.011	-3.00	293+0.000			264.203	263.079	1.124	6.393	264.011	-3.00	8.199	262.807	-66.67
-7.962	262.791	-66.67	-6.393	263.837	-3.00	294+0.000			264.029	262.906	1.123	6.393	263.837	-3.00	8.291	262.572	-66.67
-8.028	262.573	-66.67	-6.393	263.663	-3.00	295+0.000			263.855	262.748	1.107	6.393	263.663	-3.00	8.226	262.441	-66.67
-8.129	262.332	-66.67	-6.393	263.490	-3.00	296+0.000			263.681	262.606	1.076	6.393	263.490	-3.00	8.315	262.208	-66.67
-7.810	262.371	-66.67	-6.393	263.316	-3.00	297+0.000			263.508	262.482	1.026	6.393	263.316	-3.00	8.271	262.064	-66.67
-7.887	262.145	-66.67	-6.393	263.142	-3.00	298+0.000			263.334	262.316	1.018	6.393	263.142	-3.00	8.076	262.020	-66.67
-7.858	261.991	-66.67	-6.393	262.968	-3.00	299+0.000			263.160	262.113	1.047	6.393	262.968	-3.00	7.920	261.950	-66.67
-7.868	261.811	-66.67	-6.393	262.794	-3.00	300+0.000			262.986	261.914	1.073	6.393	262.794	-3.00	8.249	261.557	-66.67
-7.933	261.594	-66.67	-6.393	262.621	-3.00	301+0.000		PCV	262.812	261.730	1.082	6.393	262.621	-3.00	8.225	261.399	-66.67
-7.826	261.499	-66.67	-6.393	262.455	-3.00	302+0.000			262.647	261.614	1.033	6.393	262.455	-3.00	8.063	261.341	-66.67
-7.683	261.455	-66.67	-6.393	262.316	-3.00	303+0.000			262.507	261.500	1.008	6.393	262.316	-3.00	8.239	261.085	-66.67
-7.815	261.254	-66.67	-6.393	262.203	-3.00	304+0.000			262.395	261.363	1.032	6.393	262.203	-3.00	8.319	260.919	-66.67
-8.089	260.986	-66.67	-6.393	262.117	-3.00	305+0.000			262.309	261.290	1.019	6.393	262.117	-3.00	8.177	260.927	-66.67
-8.097	260.922	-66.67	-6.393	262.058	-3.00	306+0.000			262.249	261.196	1.053	6.393	262.058	-3.00	8.365	260.743	-66.67
-8.032	260.932	-66.67	-6.393	262.025	-3.00	307+0.000			262.217	261.108	1.108	6.393	262.025	-3.00	7.863	261.045	-66.67
-8.339	260.721	-66.67	-6.393	262.019	-3.00	308+0.000			262.211	261.089	1.121	6.393	262.019	-3.00	7.813	261.072	-66.67
-8.239	260.809	-66.67	-6.393	262.040	-3.00	309+0.000			262.231	261.084	1.147	6.393	262.040	-3.00	8.150	260.868	-66.67
-7.963	261.040	-66.67	-6.393	262.087	-3.00	310+0.000			262.279	261.172	1.106	6.393	262.087	-3.00	8.345	260.785	-66.67
-7.915	261.146	-66.67	-6.393	262.161	-3.00	311+0.000			262.353	261.316	1.037	6.393	262.161	-3.00	8.078	261.037	-66.67
-7.888	261.265	-66.67	-6.393	262.262	-3.00	312+0.000			262.453	261.497	0.956	6.393	262.262	-3.00	7.687	261.399	-66.67
-7.878	261.398	-66.67	-6.393	262.389	-3.00	313+0.000			262.581	261.640	0.941	6.393	262.389	-3.00	7.455	261.680	-66.67
-7.945	261.508	-66.67	-6.393	262.543	-3.00	314+0.000		PTV	262.735	261.684	1.051	6.393	262.543	-3.00	7.886	261.547	-66.67
-8.136	261.561	-66.67	-6.393	262.723	-3.00	315+0.000			262.915	261.779	1.136	6.393	262.723	-3.00	8.143	261.556	-66.67
-8.137	261.749	-66.67	-6.393	262.911	-3.00	316+0.000			263.103	261.902	1.201	6.393	262.911	-3.00	7.720	262.027	-66.67
-8.063	261.986	-66.67	-6.393	263.100	-3.00	317+0.000			263.292	262.068	1.224	6.393	263.100	-3.00	8.130	261.941	-66.67
-7.915	262.273	-66.67	-6.393	263.288	-3.00	318+0.000			263.480	262.278	1.203	6.393	263.288	-3.00	8.404	261.948	-66.67
-7.690	262.612	-66.67	-6.393	263.477	-3.00	319+0.000			263.669	262.517	1.152	6.393	263.477	-3.00	7.980	262.419	-66.67
-7.587	262.869	-66.67	-6.393	263.665	-3.00	320+0.000			263.857	262.736	1.121	6.393	263.665	-3.00	7.438	262.968	-66.67
-7.440	263.155	-66.67	-6.393	263.854	-3.00	321+0.000			264.046	263.004	1.042	6.393	263.854	-3.00	7.484	263.126	-66.67
-7.321	263.424	-66.67	-6.393	264.042	-3.00	322+0.000			264.234	263.264	0.970	6.393	264.042	-3.00	7.974	262.988	-66.67
-7.523	263.477	-66.67	-6.393	264.231	-3.00	323+0.000			264.423	263.508	0.915	6.393	264.231	-3.00	7.938	263.201	-66.67
-7.631	263.594	-66.67	-6.393	264.419	-3.00	324+0.000			264.611	263.728	0.883	6.393	264.419	-3.00	7.741	263.520	-66.67
-7.662	263.762	-66.67	-6.393	264.608	-3.00	325+0.000		PCV	264.800	263.884	0.916	6.393	264.608	-3.00	7.886	263.612	-66.67
-7.673	263.939	-66.67	-6.393	264.792	-3.00	326+0.000			264.984	264.002	0.982	6.393	264.792	-3.00	7.910	263.781	-66.67
-8.206	263.740	-66.67	-6.393	264.949	-3.00	327+0.000			265.140	264.081	1.059	6.393	264.949	-3.00	7.974	263.894	-66.67
-8.518	263.656	-66.67	-6.393	265.073	-3.00	328+0.000			265.265	264.137	1.128	6.393	265.073	-3.00	8.126	263.917	-66.67
-8.466	263.783	-66.67	-6.393	265.166	-3.00	329+0.000			265.357	264.214	1.143	6.393	265.166	-3.00	8.185	263.970	-66.67
-8.414	263.879	-66.67	-6.393	265.226	-3.00	330+0.000			265.418	264.229	1.189	6.393	265.226	-3.00	8.138	264.063	-66.67
-8.352	263.948	-66.67	-6.393	265.255	-3.00	331+0.000			265.446	264.222	1.224	6.393	265.255	-3.00	8.203	264.048	-66.67
-8.248	264.014	-66.67	-6.393	265.251	-3.00	332+0.000			265.443	264.205	1.237	6.393	265.251	-3.00	8.068	264.134	-66.67
-8.080	264.090	-66.67	-6.393	265.215	-3.00	333+0.000			265.407	264.199	1.209	6.393	265.215	-3.00	7.845	264.247	-66.67
-8.088	264.018	-66.67	-6.393	265.148	-3.00	334+0.000			265.340	264.119	1.220	6.393	265.148	-3.00	8.077	264.025	-66.67
-8.116	263.899	-66.67	-6.393	265.048	-3.00	335+0.000			265.240	264.069	1.171	6.393	265.048	-3.00	8.046	263.946	-66.67
-7.831	263.958	-66.67	-6.393	264.917	-3.00	336+0.000		PTV	265.109	264.017	1.092	6.393	264.917	-3.00	7.973	263.863	-66.67
-8.047	263.654	-66.67	-6.393	264.757	-3.00	337+0.000			264.949	263.936	1.013	6.393	264.757	-3.00	8.004	263.683	-66.67

Engenharia e Consultoria

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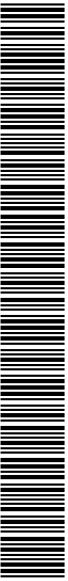
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.072	263.474	-66.67	-6.393	264.594	-3.00	338+0.000			264.786	263.840	0.945	6.393	264.594	-3.00	7.945	263.559	-66.67
-7.930	263.405	-66.67	-6.393	264.430	-3.00	339+0.000			264.622	263.692	0.930	6.393	264.430	-3.00	7.680	263.572	-66.67
-7.637	263.437	-66.67	-6.393	264.267	-3.00	340+0.000			264.458	263.625	0.834	6.393	264.267	-3.00	7.580	263.475	-66.67
-7.738	263.206	-66.67	-6.393	264.103	-3.00	341+0.000			264.295	263.488	0.807	6.393	264.103	-3.00	7.690	263.238	-66.67
-7.598	263.136	-66.67	-6.393	263.940	-3.00	342+0.000			264.131	263.345	0.786	6.393	263.940	-3.00	7.472	263.220	-66.67
-7.379	263.118	-66.67	-6.393	263.776	-3.00	343+0.000			263.968	263.196	0.772	6.393	263.776	-3.00	7.386	263.113	-66.67
-7.357	262.969	-66.67	-6.393	263.612	-3.00	344+0.000		PCV	263.804	262.936	0.868	6.393	263.612	-3.00	7.527	262.856	-66.67
-7.433	262.752	-66.67	-6.393	263.446	-3.00	345+0.000			263.637	262.686	0.951	6.393	263.446	-3.00	7.376	262.790	-66.67
-7.639	262.421	-66.67	-6.393	263.252	-3.00	346+0.000			263.443	262.404	1.039	6.393	263.252	-3.00	7.376	262.596	-66.67
-7.660	262.180	-66.67	-6.393	263.026	-3.00	347+0.000			263.217	262.122	1.096	6.393	263.026	-3.00	7.516	262.277	-66.67
-8.001	261.695	-66.67	-6.393	262.768	-3.00	348+0.000			262.959	261.790	1.169	6.393	262.768	-3.00	7.819	261.817	-66.67
-7.551	261.705	-66.67	-6.393	262.478	-3.00	349+0.000			262.669	261.418	1.251	6.393	262.478	-3.00	7.983	261.418	-66.67
-7.508	261.412	-66.67	-6.393	262.156	-3.00	350+0.000			262.347	261.055	1.292	6.393	262.156	-3.00	7.663	261.308	-66.67
-7.587	261.005	-66.67	-6.393	261.802	-3.00	351+0.000		PTV	261.993	260.682	1.311	6.393	261.802	-3.00	7.795	260.867	-66.67
-7.484	260.693	-66.67	-6.393	261.420	-3.00	352+0.000			261.612	260.371	1.241	6.393	261.420	-3.00	8.176	260.231	-66.67
-7.560	260.257	-66.67	-6.393	261.036	-3.00	353+0.000			261.228	260.057	1.170	6.393	261.036	-3.00	7.930	260.011	-66.67
-7.784	259.724	-66.67	-6.393	260.651	-3.00	354+0.000			260.843	259.588	1.255	6.393	260.651	-3.00	8.114	259.504	-66.67
-7.731	259.374	-66.67	-6.393	260.267	-3.00	355+0.000			260.459	259.198	1.261	6.393	260.267	-3.00	8.215	259.052	-66.67
-7.768	258.965	-66.67	-6.393	259.882	-3.00	356+0.000			260.074	258.829	1.245	6.393	259.882	-3.00	7.522	259.129	-66.67
-7.689	258.634	-66.67	-6.393	259.498	-3.00	357+0.000			259.690	258.450	1.240	6.393	259.498	-3.00	7.803	258.557	-66.67
-7.865	258.132	-66.67	-6.393	259.113	-3.00	358+0.000			259.305	258.059	1.246	6.393	259.113	-3.00	7.811	258.168	-66.67
-7.898	257.725	-66.67	-6.393	258.729	-3.00	359+0.000			258.921	257.620	1.300	6.393	258.729	-3.00	8.528	257.305	-66.67
-7.893	257.344	-66.67	-6.393	258.344	-3.00	360+0.000			258.536	257.249	1.287	6.393	258.344	-3.00	8.210	257.133	-66.67
-8.023	256.873	-66.67	-6.393	257.960	-3.00	361+0.000			258.152	256.870	1.282	6.393	257.960	-3.00	7.597	257.157	-66.67
-8.046	256.473	-66.67	-6.393	257.575	-3.00	362+0.000			257.767	256.459	1.308	6.393	257.575	-3.00	8.027	256.486	-66.67
-7.929	256.167	-66.67	-6.393	257.191	-3.00	363+0.000			257.383	256.010	1.373	6.393	257.191	-3.00	7.422	256.505	-66.67
-7.830	255.848	-66.67	-6.393	256.807	-3.00	364+0.000			256.998	255.705	1.294	6.393	256.807	-3.00	7.704	255.932	-66.67
-7.743	255.522	-66.67	-6.393	256.422	-3.00	365+0.000			256.614	255.249	1.365	6.393	256.422	-3.00	7.783	255.495	-66.67
-7.679	255.180	-66.67	-6.393	256.038	-3.00	366+0.000			256.229	254.947	1.283	6.393	256.038	-3.00	7.933	255.011	-66.67
-7.759	254.742	-66.67	-6.393	255.653	-3.00	367+0.000			255.845	254.525	1.320	6.393	255.653	-3.00	8.109	254.508	-66.67
-7.616	254.453	-66.67	-6.393	255.269	-3.00	368+0.000			255.460	254.118	1.342	6.393	255.269	-3.00	8.198	254.065	-66.67
-7.869	253.899	-66.67	-6.393	254.884	-3.00	369+0.000			255.076	253.765	1.311	6.393	254.884	-3.00	8.209	253.673	-66.67
-7.646	253.664	-66.67	-6.393	254.500	-3.00	370+0.000			254.691	253.354	1.338	6.393	254.500	-3.00	8.168	253.316	-66.67
-7.687	253.252	-66.67	-6.393	254.115	-3.00	371+0.000			254.307	252.944	1.363	6.393	254.115	-3.00	8.110	252.970	-66.67
-7.705	252.856	-66.67	-6.393	253.731	-3.00	372+0.000			253.922	252.523	1.399	6.393	253.731	-3.00	7.867	252.747	-66.67
-7.843	252.379	-66.67	-6.393	253.346	-3.00	373+0.000			253.538	252.109	1.428	6.393	253.346	-3.00	8.030	252.254	-66.67
-7.997	251.892	-66.67	-6.393	252.962	-3.00	374+0.000		PCV	253.153	251.759	1.394	6.393	252.962	-3.00	8.021	251.876	-66.67
-7.988	251.513	-66.67	-6.393	252.570	-3.00	375+0.000			252.761	251.419	1.342	6.393	252.570	-3.00	7.985	251.515	-66.67
-8.318	250.896	-66.67	-6.393	252.162	-3.00	376+0.000			252.353	250.997	1.357	6.393	252.162	-3.00	8.097	251.044	-66.67
-7.904	250.760	-66.67	-6.393	251.738	-3.00	377+0.000			251.930	250.662	1.268	6.393	251.738	-3.00	8.099	250.630	-66.67
-7.389	250.675	-66.67	-6.393	251.299	-3.00	378+0.000			251.491	250.235	1.256	6.393	251.299	-3.00	8.005	250.265	-66.67
-7.988	249.832	-66.67	-6.393	250.844	-3.00	379+0.000		PTV	251.036	249.707	1.329	6.393	250.844	-3.00	7.774	249.975	-66.67
-7.953	249.400	-66.67	-6.393	250.373	-3.00	380+0.000			250.565	249.249	1.317	6.393	250.373	-3.00	7.799	249.503	-66.67
-7.630	249.164	-66.67	-6.393	249.900	-3.00	380+19.791	TS		250.092	248.811	1.281	6.393	249.900	-3.00	7.730	249.098	-66.67
-7.620	249.166	-66.67	-6.393	249.895	-3.00	381+0.000			250.087	248.807	1.280	6.393	249.895	-3.00	7.731	249.092	-66.67
-7.384	249.209	-66.67	-6.393	249.776	-3.00	381+5.000			249.967	248.681	1.286	6.393	249.776	-3.00	7.758	248.960	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-7.148	249.252	-66.67	-6.393	249.656	-3.00	381+10.000			249.848	248.546	1.301	6.393	249.656	-3.00	7.784	248.829	-66.67
-6.972	249.256	-66.67	-6.393	249.536	-3.00	381+15.000			249.728	248.415	1.314	6.393	249.536	-3.00	7.810	248.698	-66.67
-7.028	249.105	-66.67	-6.393	249.417	-3.00	382+0.000			249.609	248.352	1.257	6.393	249.417	-3.00	7.827	248.572	-66.67
-7.095	248.946	-66.67	-6.393	249.297	-3.00	382+5.000			249.489	248.288	1.201	6.393	249.297	-3.00	7.836	248.452	-66.67
-7.161	248.788	-66.67	-6.393	249.178	-3.00	382+10.000			249.370	248.212	1.158	6.393	249.178	-3.00	7.806	248.358	-66.67
-7.226	248.631	-66.67	-6.393	249.058	-3.00	382+15.000			249.250	248.133	1.117	6.393	249.058	-3.00	7.780	248.261	-66.67
-7.184	248.545	-66.67	-6.393	248.939	-3.00	383+0.000			249.130	248.033	1.097	6.393	248.939	-3.00	7.781	248.147	-66.67
-7.135	248.463	-66.67	-6.393	248.819	-3.00	383+5.000			249.011	247.932	1.079	6.393	248.819	-3.00	7.760	248.047	-66.67
-7.085	248.382	-66.67	-6.393	248.700	-3.00	383+10.000			248.891	247.829	1.063	6.393	248.700	-3.00	7.713	247.964	-66.67
-6.935	248.403	-66.67	-6.393	248.614	-2.47	383+15.000			248.772	247.723	1.049	6.393	248.580	-3.00	7.668	247.880	-66.67
-7.332	248.078	-66.67	-6.393	248.548	-1.63	384+0.000			248.652	247.591	1.061	6.393	248.460	-3.00	7.628	247.792	-66.67
-7.541	247.877	-66.67	-6.393	248.482	-0.80	384+5.000			248.533	247.455	1.078	6.393	248.341	-3.00	7609	247691	-66.67
-7.747	247.679	-66.67	-6.393	248.415	0.03	384+10.000			248.413	247.316	1.097	6.393	248.221	-3.00	7616	247573	-66.67
-7.937	247.492	-66.67	-6.393	248.349	0.87	384+15.000			248.293	247.173	1.120	6.393	248.102	-3.00	7625	247453	-66.67
-7.951	247.422	-66.67	-6.393	248.283	1.70	385+0.000			248.174	247.065	1.109	6.393	247.982	-3.00	7.651	247.322	-66.67
-7.874	247.413	-66.67	-6.393	248.216	2.53	385+5.000			248.054	246.940	1.114	6.393	247.863	-3.00	7.678	247.190	-66.67
-7.785	247.411	-66.67	-6.393	248.150	3.37	385+10.000			247.935	246.810	1.124	6.393	247.719	-3.37	7.605	247.100	-66.67
-7.765	247.364	-66.67	-6.393	248.084	4.20	385+15.000			247.815	246.676	1.139	6.393	247.547	-4.20	7.468	247.024	-66.67
-8.157	247.044	-66.67	-6.393	248.020	5.00	385+19.791	SC		247.701	246.564	1.136	6.393	247.381	-5.00	7.373	246.928	-66.67
-8.173	247.029	-66.67	-6.393	248.015	5.00	386+0.000			247.696	246.559	1.137	6.393	247.376	-5.00	7.372	246.923	-66.67
-8.564	246.654	-66.67	-6.393	247.896	5.00	386+5.000			247.576	246.425	1.151	6.393	247.256	-5.00	7.342	246.829	-66.67
-8.543	246.554	-66.67	-6.393	247.776	5.00	386+10.000			247.457	246.284	1.172	6.393	247.137	-5.00	7.309	246.737	-66.67
-8.512	246.461	-66.67	-6.393	247.657	5.00	386+15.000			247.337	246.138	1.199	6.393	247.017	-5.00	7.284	246.640	-66.67
-8.402	246.420	-66.67	-6.393	247.537	5.00	387+0.000			247.217	246.037	1.180	6.393	246.898	-5.00	7.351	246.482	-66.67
-8.295	246.378	-66.67	-6.393	247.417	5.00	387+5.000			247.098	245.930	1.168	6.393	246.778	-5.00	7.389	246.342	-66.67
-8.390	246.200	-66.67	-6.393	247.298	5.00	387+10.000			246.978	245.815	1.163	6.393	246.659	-5.00	7.351	246.254	-66.67
-8.507	246.008	-66.67	-6.393	247.178	5.00	387+15.000			246.859	245.697	1.161	6.393	246.539	-5.00	7.320	246.161	-66.67
-8.480	245.913	-66.67	-6.393	247.059	5.00	388+0.000			246.739	245.585	1.154	6.393	246.420	-5.00	7.323	246.044	-66.67
-8.474	245.802	-66.67	-6.393	246.939	5.00	388+5.000			246.620	245.460	1.159	6.393	246.300	-5.00	7.346	245.915	-66.67
-8.509	245.665	-66.67	-6.393	246.820	5.00	388+10.000			246.500	245.330	1.170	6.393	246.180	-5.00	7.392	245.770	-66.67
-8.557	245.519	-66.67	-6.393	246.700	5.00	388+15.000			246.380	245.200	1.180	6.393	246.061	-5.00	7.431	245.630	-66.67
-8.479	245.457	-66.67	-6.393	246.580	5.00	389+0.000			246.261	245.136	1.124	6.393	245.941	-5.00	7.439	245.511	-66.67
-8.420	245.382	-66.67	-6.393	246.461	5.00	389+5.000			246.141	245.068	1.073	6.393	245.822	-5.00	7.433	245.401	-66.67
-8.376	245.298	-66.67	-6.393	246.341	5.00	389+10.000			246.022	244.994	1.028	6.393	245.702	-5.00	7.396	245.311	-66.67
-8.333	245.212	-66.67	-6.393	246.222	5.00	389+15.000			245.902	244.911	0.991	6.393	245.583	-5.00	7.381	245.208	-66.67
-8.255	245.150	-66.67	-6.393	246.102	5.00	390+0.000			245.783	244.793	0.990	6.393	245.463	-5.00	7.499	245.015	-66.67
-8.177	245.089	-66.67	-6.393	245.983	5.00	390+5.000			245.663	244.670	0.993	6.393	245.343	-5.00	7.619	244.821	-66.67
-8.117	245.014	-66.67	-6.393	245.863	5.00	390+10.000			245.543	244.542	1.002	6.393	245.224	-5.00	7.715	244.643	-66.67
-8.077	244.927	-66.67	-6.393	245.744	5.00	390+15.000			245.424	244.410	1.014	6.393	245.104	-5.00	7.773	244.491	-66.67
-8.344	244.635	-66.67	-6.393	245.624	5.00	391+0.000			245.304	244.282	1.022	6.393	244.985	-5.00	7.811	244.351	-66.67
-8.615	244.340	-66.67	-6.393	245.504	5.00	391+5.000			245.185	244.140	1.045	6.393	244.865	-5.00	7.821	244.230	-66.67
-8.635	244.213	-66.67	-6.393	245.385	5.00	391+10.000			245.065	243.992	1.074	6.393	244.746	-5.00	7.818	244.118	-66.67
-8.667	244.078	-66.67	-6.393	245.265	5.00	391+15.000			244.946	243.845	1.100	6.393	244.626	-5.00	7.825	243.999	-66.67
-8.758	243.903	-66.67	-6.393	245.146	5.00	392+0.000			244.826	243.738	1.088	6.393	244.506	-5.00	7.860	243.863	-66.67
-8.848	243.729	-66.67	-6.393	245.026	5.00	392+5.000			244.707	243.625	1.081	6.393	244.387	-5.00	7.916	243.711	-66.67
-8.935	243.557	-66.67	-6.393	244.907	5.00	392+10.000			244.587	243.498	1.089	6.393	244.267	-5.00	7.976	243.557	-66.67

Engenharia e Consultoria

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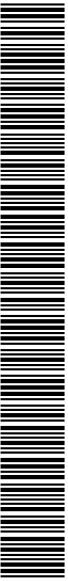
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9.015	243.390	-66.67	-6.393	244.787	5.00	392+15.000			244.467	243.356	1.111	6.393	244.148	-5.00	8.040	243.401	-66.67
-8.954	243.316	-66.67	-6.393	244.667	5.00	393+0.000			244.348	243.203	1.145	6.393	244.028	-5.00	8.116	243.236	-66.67
-8.890	243.245	-66.67	-6.393	244.548	5.00	393+5.000			244.228	243.042	1.186	6.393	243.909	-5.00	8.193	243.071	-66.67
-8.822	243.176	-66.67	-6.393	244.428	5.00	393+10.000			244.109	242.881	1.228	6.393	243.789	-5.00	8.254	242.916	-66.67
-8.792	243.097	-66.67	-6.393	244.324	5.00	393+14.359			244.004	242.742	1.262	6.393	243.685	-5.00	8.307	242.781	-66.67
-8.796	243.080	-66.67	-6.393	244.309	5.00	393+15.000			243.989	242.728	1.261	6.393	243.670	-5.00	8.298	242.772	-66.67
-8.878	242.911	-66.67	-6.393	244.189	5.00	394+0.000			243.870	242.615	1.255	6.393	243.550	-5.00	8.225	242.707	-66.67
-8.952	242.748	-66.67	-6.393	244.070	5.00	394+5.000			243.750	242.495	1.255	6.393	243.430	-5.00	8.153	242.641	-66.67
-9.020	242.588	-66.67	-6.393	243.950	5.00	394+10.000			243.630	242.362	1.268	6.393	243.311	-5.00	8.080	242.576	-66.67
-9.083	242.432	-66.67	-6.393	243.830	5.00	394+15.000			243.511	242.230	1.281	6.393	243.191	-5.00	8.020	242.502	-66.67
-9.126	242.290	-66.67	-6.393	243.711	5.00	395+0.000			243.391	242.120	1.271	6.393	243.072	-5.00	8.051	242.367	-66.67
-9.167	242.148	-66.67	-6.393	243.591	5.00	395+5.000			243.272	242.003	1.269	6.393	242.952	-5.00	8.095	242.224	-66.67
-9.206	242.008	-66.67	-6.393	243.472	5.00	395+10.000			243.152	241.875	1.277	6.393	242.833	-5.00	8.248	242.008	-66.67
-9.221	241.885	-66.67	-6.393	243.352	5.00	395+15.000			243.033	241.737	1.296	6.393	242.713	-5.00	8.389	241.800	-66.67
-9.186	241.794	-66.67	-6.393	243.233	5.00	396+0.000			242.913	241.598	1.315	6.393	242.593	-5.00	8.410	241.672	-66.67
-9.148	241.705	-66.67	-6.393	243.113	5.00	396+5.000			242.793	241.451	1.342	6.393	242.474	-5.00	8.341	241.604	-66.67
-9.109	241.617	-66.67	-6.393	242.994	5.00	396+10.000			242.674	241.316	1.358	6.393	242.354	-5.00	8.239	241.558	-66.67
-9.146	241.478	-66.67	-6.393	242.874	5.00	396+15.000		PCV	242.554	241.180	1.374	6.393	242.235	-5.00	8.147	241.505	-66.67
-9.398	241.196	-66.67	-6.393	242.755	5.00	397+0.000			242.435	241.032	1.404	6.393	242.115	-5.00	8.230	241.336	-66.67
-9.407	241.076	-66.67	-6.393	242.639	5.00	397+5.000			242.319	240.874	1.445	6.393	242.000	-5.00	8.308	241.170	-66.67
-9.401	240.968	-66.67	-6.393	242.527	5.00	397+10.000			242.208	240.711	1.496	6.393	241.888	-5.00	8.367	241.017	-66.67
-9.505	240.789	-66.67	-6.393	242.420	5.00	397+15.000			242.100	240.556	1.545	6.393	241.781	-5.00	8.416	240.876	-66.67
-9.733	240.532	-66.67	-6.393	242.317	5.00	398+0.000			241.997	240.450	1.547	6.393	241.677	-5.00	8.401	240.780	-66.67
-9.948	240.287	-66.67	-6.393	242.218	5.00	398+5.000			241.898	240.339	1.559	6.393	241.578	-5.00	8.409	240.674	-66.67
-10.152	240.055	-66.67	-6.393	242.123	5.00	398+10.000			241.803	240.262	1.541	6.393	241.484	-5.00	8.448	240.552	-66.67
-9.923	240.115	-66.67	-6.393	242.032	5.00	398+15.000			241.713	240.182	1.531	6.393	241.393	-5.00	8.496	240.428	-66.67
-10.277	239.791	-66.67	-6.393	241.946	5.00	399+0.000			241.626	240.101	1.526	6.393	241.307	-5.00	8.580	240.283	-66.67
-10.257	239.720	-66.67	-6.393	241.864	5.00	399+5.000			241.544	240.018	1.526	6.393	241.224	-5.00	8.672	240.138	-66.67
-10.205	239.675	-66.67	-6.393	241.786	5.00	399+10.000			241.466	239.948	1.518	6.393	241.146	-5.00	8.766	239.995	-66.67
-10.134	239.647	-66.67	-6.393	241.712	5.00	399+15.000			241.392	239.879	1.513	6.393	241.072	-5.00	8.857	239.859	-66.67
-10.516	239.321	-66.67	-6.393	241.642	5.00	400+0.000			241.322	239.820	1.502	6.393	241.003	-5.00	8.937	239.735	-66.67
-10.867	239.020	-66.67	-6.393	241.577	5.00	400+5.000			241.257	239.753	1.504	6.393	240.937	-5.00	9.017	239.614	-66.67
-12.388	237.942	-66.67	-6.393	241.515	5.00	400+10.000			241.196	239.684	1.512	6.393	240.876	-5.00	9.092	239.501	-66.67
-12.679	237.690	-66.67	-6.393	241.458	5.00	400+15.000			241.139	239.614	1.525	6.393	240.819	-5.00	9.116	239.426	-66.67
-12.634	237.665	-66.67	-6.393	241.405	5.00	401+0.000			241.086	239.550	1.535	6.393	240.766	-5.00	9.073	239.400	-66.67
-12.487	237.713	-66.67	-6.393	241.357	5.00	401+5.000			241.037	239.497	1.540	6.393	240.717	-5.00	9.073	239.349	-66.67
-12.376	237.750	-66.67	-6.393	241.321	5.00	401+8.928	CS		241.002	239.453	1.549	6.393	240.682	-5.00	9.087	239.303	-66.67
-12.328	237.760	-66.67	-6.393	241.301	4.82	401+10.000			240.993	239.441	1.552	6.393	240.684	-4.82	9.108	239.291	-66.67
-12.231	237.730	-66.67	-6.393	241.207	3.99	401+15.000			240.952	239.383	1.569	6.393	240.697	-3.99	9.182	239.253	-66.67
-12.380	237.540	-66.67	-6.393	241.118	3.15	402+0.000			240.916	239.328	1.588	6.393	240.715	-3.15	9.194	239.260	-66.67
-12.436	237.415	-66.67	-6.393	241.033	2.32	402+5.000			240.884	239.281	1.603	6.393	240.692	-3.00	9.192	239.238	-66.67
-11.943	237.661	-66.67	-6.393	240.952	1.49	402+10.000			240.857	239.232	1.625	6.393	240.665	-3.00	9.191	239.209	-66.67
-12.046	237.514	-66.67	-6.393	240.875	0.65	402+15.000			240.833	239.182	1.651	6.393	240.641	-3.00	9.231	239.157	-66.67
-11.903	237.531	-66.67	-6.393	240.802	-0.18	403+0.000		PTV	240.814	239.143	1.671	6.393	240.622	-3.00	9.357	239.048	-66.67
-11.748	237.556	-66.67	-6.393	240.733	-1.01	403+5.000			240.798	239.103	1.695	6.393	240.606	-3.00	9.481	238.941	-66.67
-11.415	237.701	-66.67	-6.393	240.664	-1.85	403+10.000			240.782	239.061	1.721	6.393	240.590	-3.00	9.629	238.817	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast.(m)	Cota(m)	Incl.(%)	Afast.(m)	Cota(m)	Incl.(%)							Afast.(m)	Cota(m)	Incl.(%)	Afast.(m)	Cota(m)	Incl.(%)
-10.922	237.951	-66.67	-6.393	240.595	-2.68	403+15.000			240.767	239.015	1.752	6.393	240.575	-3.00	9.845	238.648	-66.67
-11.033	237.832	-66.67	-6.393	240.559	-3.00	404+0.000			240.751	238.960	1.791	6.393	240.559	-3.00	9.968	238.542	-66.67
-11.288	237.637	-66.67	-6.393	240.544	-3.00	404+5.000			240.736	238.904	1.831	6.393	240.544	-3.00	10.085	238.439	-66.67
-11.544	237.442	-66.67	-6.393	240.528	-3.00	404+10.000			240.720	238.846	1.874	6.393	240.528	-3.00	10.179	238.352	-66.67
-11.802	237.245	-66.67	-6.393	240.513	-3.00	404+15.000			240.705	238.793	1.911	6.393	240.513	-3.00	9.670	238.666	-66.67
-11.448	237.456	-66.67	-6.393	240.497	-3.00	405+0.000			240.689	238.751	1.938	6.393	240.497	-3.00	9.453	238.787	-66.67
-11.096	237.666	-66.67	-6.393	240.482	-3.00	405+5.000			240.673	238.705	1.968	6.393	240.482	-3.00	9.654	238.627	-66.67
-10.746	237.875	-66.67	-6.393	240.466	-3.00	405+10.000			240.658	238.644	2.014	6.393	240.466	-3.00	10.015	238.362	-66.67
-10.357	238.109	-66.67	-6.393	240.451	-3.00	405+15.000			240.642	238.607	2.035	6.393	240.451	-3.00	10.297	238.150	-66.67
-10.668	237.878	-66.67	-6.393	240.435	-3.00	406+0.000			240.627	238.655	1.971	6.393	240.435	-3.00	10.320	238.109	-66.67
-10.978	237.646	-66.67	-6.393	240.419	-3.00	406+5.000			240.611	238.704	1.907	6.393	240.419	-3.00	10.344	238.069	-66.67
-11.126	237.528	-66.67	-6.393	240.407	-3.00	406+8.928	ST		240.599	238.742	1.857	6.393	240.407	-3.00	10.389	238.020	-66.67
-11.015	237.547	-66.67	-6.393	240.373	-3.00	407+0.000			240.565	238.851	1.714	6.393	240.373	-3.00	10.414	237.948	-66.67
-10.537	237.767	-66.67	-6.393	240.311	-3.00	408+0.000			240.502	239.076	1.427	6.393	240.311	-3.00	10.538	237.767	-66.67
-10.394	237.764	-66.67	-6.393	240.248	-3.00	409+0.000		PCV	240.440	239.205	1.235	6.393	240.248	-3.00	10.842	237.465	-66.67
-8.187	239.145	-66.67	-6.393	240.188	-3.00	410+0.000			240.380	239.276	1.104	6.393	240.188	-3.00	10.515	237.593	-66.67
-9.449	238.280	-66.67	-6.393	240.183	-3.00	411+0.000			240.375	239.307	1.068	6.393	240.183	-3.00	10.088	237.854	-66.67
-9.425	238.351	-66.67	-6.393	240.256	-3.00	412+0.000			240.448	239.264	1.184	6.393	240.256	-3.00	10.344	237.738	-66.67
-9.036	238.742	-66.67	-6.393	240.406	-3.00	413+0.000			240.598	239.397	1.201	6.393	240.406	-3.00	9.854	238.196	-66.67
-8.747	239.145	-66.67	-6.393	240.635	-3.00	414+0.000			240.826	239.625	1.201	6.393	240.635	-3.00	8.759	239.137	-66.67
-8.315	239.721	-66.67	-6.393	240.941	-3.00	415+0.000			241.133	239.979	1.154	6.393	240.941	-3.00	8.447	239.632	-66.67
-7.843	240.401	-66.67	-6.393	241.325	-3.00	416+0.000			241.517	240.697	0.820	6.393	241.325	-3.00	7.501	240.629	-66.67
-7.446	241.109	-66.67	-6.393	241.787	-3.00	417+0.000			241.979	241.402	0.577	6.393	241.787	-3.00	6.884	241.484	-66.67
-7.381	241.674	-66.67	-6.393	242.327	-3.00	418+0.000		PTV	242.518	242.007	0.511	6.393	242.327	-3.00	6.681	242.621	100.00
-7.146	242.419	-66.67	-6.393	242.921	-3.00	419+0.000			243.113	242.746	0.367	6.393	242.921	-3.00	6.594	242.787	-66.67
-6.425	243.497	-66.67	-6.393	243.518	-3.00	420+0.000			243.710	243.432	0.278	6.393	243.518	-3.00	6.506	243.631	100.00
-6.700	243.910	-66.67	-6.393	244.115	-3.00	421+0.000			244.307	244.192	0.114	6.393	244.115	-3.00	6.578	244.300	100.00
-6.629	244.554	-66.67	-6.393	244.712	-3.00	422+0.000			244.903	244.909	-0.006	6.393	244.712	-3.00	6.460	244.779	100.00
-6.652	245.136	-66.67	-6.393	245.308	-3.00	423+0.000			245.500	245.689	-0.189	6.393	245.308	-3.00	6.458	245.264	-66.67
-6.429	245.881	-66.67	-6.393	245.905	-3.00	424+0.000			246.097	246.343	-0.246	6.393	245.905	-3.00	7.110	246.622	100.00
-6.551	246.660	100.00	-6.393	246.502	-3.00	425+0.000			246.694	246.901	-0.208	6.393	246.502	-3.00	6.465	246.574	100.00
-6.507	247.022	-66.67	-6.393	247.099	-3.00	426+0.000			247.290	247.387	-0.096	6.393	247.099	-3.00	6.715	247.422	100.00
-6.581	247.570	-66.67	-6.393	247.695	-3.00	427+0.000			247.887	247.656	0.232	6.393	247.695	-3.00	6.470	247.644	-66.67
-6.923	247.938	-66.67	-6.393	248.292	-3.00	428+0.000			248.484	247.669	0.815	6.393	248.292	-3.00	7.003	247.885	-66.67
-7.607	248.079	-66.67	-6.393	248.889	-3.00	429+0.000			249.081	247.846	1.235	6.393	248.889	-3.00	7.723	248.002	-66.67
-8.176	248.296	-66.67	-6.393	249.486	-3.00	430+0.000			249.677	248.112	1.566	6.393	249.486	-3.00	8.354	248.178	-66.67
-9.005	248.341	-66.67	-6.393	250.082	-3.00	431+0.000			250.274	248.491	1.783	6.393	250.082	-3.00	8.698	248.545	-66.67
-8.975	248.958	-66.67	-6.393	250.679	-3.00	432+0.000			250.871	248.933	1.938	6.393	250.679	-3.00	9.075	248.891	-66.67
-9.051	249.503	-66.67	-6.393	251.276	-3.00	433+0.000			251.468	249.407	2.060	6.393	251.276	-3.00	9.518	249.192	-66.67
-9.191	250.007	-66.67	-6.393	251.873	-3.00	434+0.000			252.065	249.936	2.128	6.393	251.873	-3.00	8.751	250.300	-66.67
-9.381	250.477	-66.67	-6.393	252.470	-3.00	435+0.000			252.661	250.564	2.098	6.393	252.470	-3.00	8.912	250.790	-66.67
-9.330	251.108	-66.67	-6.393	253.066	-3.00	436+0.000			253.258	251.134	2.124	6.393	253.066	-3.00	9.214	251.185	-66.67
-9.196	251.794	-66.67	-6.393	253.663	-3.00	437+0.000			253.855	251.813	2.042	6.393	253.663	-3.00	9.011	251.917	-66.67
-8.870	252.608	-66.67	-6.393	254.260	-3.00	438+0.000			254.452	252.574	1.878	6.393	254.260	-3.00	9.633	252.100	-66.67
-8.723	253.303	-66.67	-6.393	254.857	-3.00	439+0.000			255.048	253.310	1.738	6.393	254.857	-3.00	9.448	252.820	-66.67
-8.429	254.096	-66.67	-6.393	255.453	-3.00	440+0.000			255.645	254.109	1.536	6.393	255.453	-3.00	8.864	253.806	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.208	254.840	-66.67	-6.393	256.050	-3.00	441+0.000			256.242	254.992	1.250	6.393	256.050	-3.00	7.010	255.638	-66.67
-7.874	255.659	-66.67	-6.393	256.647	-3.00	442+0.000			256.839	255.864	0.975	6.393	256.647	-3.00	6.950	256.276	-66.67
-7.813	256.297	-66.67	-6.393	257.244	-3.00	443+0.000			257.436	256.692	0.744	6.393	257.244	-3.00	6.858	256.933	-66.67
-7.866	256.858	-66.67	-6.393	257.840	-3.00	444+0.000			258.032	257.415	0.617	6.393	257.840	-3.00	6.932	257.481	-66.67
-7.350	257.799	-66.67	-6.393	258.437	-3.00	445+0.000			258.629	258.043	0.586	6.393	258.437	-3.00	6.751	258.198	-66.67
-7.438	258.337	-66.67	-6.393	259.034	-3.00	446+0.000			259.226	258.518	0.708	6.393	259.034	-3.00	7.129	258.543	-66.67
-7.514	258.883	-66.67	-6.393	259.631	-3.00	447+0.000		PCV	259.823	259.017	0.806	6.393	259.631	-3.00	7.105	259.156	-66.67
-7.397	259.557	-66.67	-6.393	260.227	-3.00	448+0.000			260.419	259.396	1.022	6.393	260.227	-3.00	7.422	259.541	-66.67
-7.632	259.950	-66.67	-6.393	260.777	-3.00	449+0.000			260.969	259.884	1.085	6.393	260.777	-3.00	7.670	259.925	-66.67
-7.889	260.256	-66.67	-6.393	261.254	-3.00	450+0.000			261.446	260.309	1.137	6.393	261.254	-3.00	7.929	260.230	-66.67
-8.178	260.468	-66.67	-6.393	261.658	-3.00	451+0.000			261.850	260.595	1.255	6.393	261.658	-3.00	8.292	260.392	-66.67
-8.463	260.609	-66.67	-6.393	261.989	-3.00	452+0.000			262.181	260.843	1.338	6.393	261.989	-3.00	8.455	260.614	-66.67
-8.664	260.733	-66.67	-6.393	262.247	-3.00	453+0.000			262.439	260.999	1.440	6.393	262.247	-3.00	8.264	261.000	-66.67
-8.975	260.711	-66.67	-6.393	262.432	-3.00	454+0.000			262.624	260.971	1.652	6.393	262.432	-3.00	8.488	261.035	-66.67
-9.215	260.662	-66.67	-6.393	262.544	-3.00	455+0.000			262.736	260.935	1.801	6.393	262.544	-3.00	9.562	260.431	-66.67
-9.294	260.648	-66.67	-6.393	262.583	-3.00	456+0.000			262.775	260.934	1.840	6.393	262.583	-3.00	9.417	260.567	-66.67
-9.315	260.600	-66.67	-6.393	262.549	-3.00	457+0.000			262.740	260.923	1.817	6.393	262.549	-3.00	9.858	260.238	-66.67
-9.225	260.553	-66.67	-6.393	262.441	-3.00	458+0.000			262.633	260.840	1.793	6.393	262.441	-3.00	9.852	260.135	-66.67
-9.126	260.439	-66.67	-6.393	262.261	-3.00	459+0.000			262.453	260.738	1.715	6.393	262.261	-3.00	9.420	260.243	-66.67
-8.869	260.356	-66.67	-6.393	262.008	-3.00	460+0.000		PTV	262.199	260.592	1.607	6.393	262.008	-3.00	9.159	260.163	-66.67
-8.629	260.217	-66.67	-6.393	261.708	-3.00	461+0.000			261.900	260.443	1.457	6.393	261.708	-3.00	8.847	260.072	-66.67
-8.575	259.953	-66.67	-6.393	261.408	-3.00	462+0.000			261.600	260.276	1.324	6.393	261.408	-3.00	8.596	259.939	-66.67
-8.351	259.802	-66.67	-6.393	261.108	-3.00	463+0.000			261.300	260.061	1.239	6.393	261.108	-3.00	8.105	259.966	-66.67
-7.902	259.802	-66.67	-6.393	260.808	-3.00	464+0.000			261.000	259.865	1.135	6.393	260.808	-3.00	7.790	259.877	-66.67
-7.820	259.557	-66.67	-6.393	260.508	-3.00	465+0.000			260.700	259.622	1.078	6.393	260.508	-3.00	7.632	259.682	-66.67
-7.870	259.223	-66.67	-6.393	260.208	-3.00	466+0.000			260.400	259.359	1.041	6.393	260.208	-3.00	7.463	259.495	-66.67
-7.873	258.921	-66.67	-6.393	259.908	-3.00	467+0.000			260.100	259.119	0.981	6.393	259.908	-3.00	7.463	259.195	-66.67
-7.728	258.718	-66.67	-6.393	259.608	-3.00	468+0.000			259.800	258.841	0.959	6.393	259.608	-3.00	7.272	259.022	-66.67
-7.538	258.545	-66.67	-6.393	259.308	-3.00	469+0.000			259.500	258.501	0.999	6.393	259.308	-3.00	7.483	258.581	-66.67
-7.804	258.067	-66.67	-6.393	259.008	-3.00	470+0.000			259.200	258.186	1.014	6.393	259.008	-3.00	7.668	258.158	-66.67
-7.604	257.900	-66.67	-6.393	258.708	-3.00	471+0.000			258.900	257.873	1.027	6.393	258.708	-3.00	7.251	258.136	-66.67
-7.580	257.617	-66.67	-6.393	258.408	-3.00	472+0.000			258.600	257.677	0.923	6.393	258.408	-3.00	7.038	257.978	-66.67
-7.593	257.308	-66.67	-6.393	258.108	-3.00	473+0.000			258.300	257.246	1.054	6.393	258.108	-3.00	7.540	257.343	-66.67
-7.725	256.920	-66.67	-6.393	257.808	-3.00	474+0.000			258.000	256.873	1.127	6.393	257.808	-3.00	7.781	256.882	-66.67
-7.949	256.470	-66.67	-6.393	257.508	-3.00	475+0.000			257.700	256.542	1.158	6.393	257.508	-3.00	7.816	256.559	-66.67
-8.040	256.110	-66.67	-6.393	257.208	-3.00	476+0.000			257.400	256.155	1.245	6.393	257.208	-3.00	7.987	256.145	-66.67
-8.195	255.707	-66.67	-6.393	256.908	-3.00	477+0.000			257.100	255.846	1.254	6.393	256.908	-3.00	7.968	255.858	-66.67
-8.097	255.472	-66.67	-6.393	256.608	-3.00	478+0.000			256.800	255.499	1.301	6.393	256.608	-3.00	8.314	255.327	-66.67
-8.162	255.128	-66.67	-6.393	256.308	-3.00	479+0.000		PCV	256.500	255.111	1.389	6.393	256.308	-3.00	8.254	255.067	-66.67
-7.997	254.939	-66.67	-6.393	256.009	-3.00	480+0.000			256.200	254.728	1.472	6.393	256.009	-3.00	8.460	254.630	-66.67
-8.292	254.471	-66.67	-6.393	255.737	-3.00	481+0.000			255.929	254.448	1.481	6.393	255.737	-3.00	8.207	254.527	-66.67
-8.593	254.043	-66.67	-6.393	255.510	-3.00	482+0.000			255.702	254.257	1.445	6.393	255.510	-3.00	8.282	254.251	-66.67
-8.786	253.732	-66.67	-6.393	255.328	-3.00	483+0.000			255.519	254.112	1.407	6.393	255.328	-3.00	8.558	253.884	-66.67
-8.640	253.754	-66.67	-6.393	255.252	-3.00	483+10.139	TS		255.444	254.017	1.427	6.393	255.252	-3.00	8.523	253.832	-66.67
-8.582	253.760	-66.67	-6.393	255.220	-3.00	483+15.000			255.412	253.971	1.440	6.393	255.220	-3.00	8.509	253.809	-66.67
-8.582	253.730	-66.67	-6.393	255.189	-3.00	484+0.000			255.381	253.944	1.437	6.393	255.189	-3.00	8.460	253.811	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.669	253.644	-66.67	-6.393	255.162	-3.00	484+5.000			255.354	253.952	1.401	6.393	255.162	-3.00	8.316	253.880	-66.67
-8.762	253.557	-66.67	-6.393	255.137	-3.00	484+10.000			255.329	253.950	1.379	6.393	255.137	-3.00	8.176	253.948	-66.67
-8.777	253.526	-66.67	-6.393	255.115	-3.00	484+15.000			255.307	253.947	1.360	6.393	255.115	-3.00	8.040	254.017	-66.67
-8.731	253.537	-66.67	-6.393	255.096	-3.00	485+0.000			255.288	253.941	1.347	6.393	255.096	-3.00	7.983	254.036	-66.67
-8.724	253.525	-66.67	-6.393	255.079	-3.00	485+5.000			255.271	253.929	1.342	6.393	255.079	-3.00	8.122	253.927	-66.67
-8.723	253.512	-66.67	-6.393	255.066	-3.00	485+10.000			255.257	253.917	1.341	6.393	255.066	-3.00	8.265	253.818	-66.67
-8.727	253.499	-66.67	-6.393	255.055	-3.00	485+15.000			255.246	253.903	1.343	6.393	255.055	-3.00	8.412	253.709	-66.67
-8.721	253.495	-66.67	-6.393	255.047	-3.00	486+0.000			255.238	253.889	1.349	6.393	255.047	-3.00	8.479	253.656	-66.67
-8.783	253.448	-66.67	-6.393	255.041	-3.00	486+5.000			255.233	253.905	1.328	6.393	255.041	-3.00	8.450	253.669	-66.67
-8.861	253.393	-66.67	-6.393	255.039	-3.00	486+10.000			255.230	253.919	1.311	6.393	255.041	-2.97	8.429	253.683	-66.67
-8.953	253.332	-66.67	-6.393	255.039	-3.00	486+15.000			255.231	253.932	1.299	6.393	255.093	-2.15	8.487	253.697	-66.67
-9.023	253.288	-66.67	-6.393	255.042	-3.00	487+0.000			255.234	253.931	1.303	6.393	255.148	-1.33	8.560	253.703	-66.67
-9.025	253.292	-66.67	-6.393	255.048	-3.00	487+5.000			255.239	253.912	1.327	6.393	255.206	-0.51	8.685	253.678	-66.67
-9.042	253.289	-66.67	-6.393	255.056	-3.00	487+10.000			255.248	253.894	1.354	6.393	255.267	0.30	8.838	253.637	-66.67
-9.074	253.279	-66.67	-6.393	255.067	-3.00	487+15.000			255.259	253.872	1.388	6.393	255.331	1.12	8.996	253.595	-66.67
-9.113	253.268	-66.67	-6.393	255.081	-3.00	488+0.000		PTV	255.273	253.716	1.557	6.393	255.397	1.94	9.093	253.597	-66.67
-9.088	253.301	-66.67	-6.393	255.098	-3.00	488+5.000			255.290	253.761	1.529	6.393	255.466	2.76	9.051	253.694	-66.67
-9.014	253.330	-66.67	-6.393	255.078	-3.58	488+10.000			255.307	253.822	1.485	6.393	255.536	3.58	9.009	253.791	-66.67
-9.012	253.331	-66.67	-6.393	255.077	-3.60	488+10.139	SC		255.307	253.824	1.484	6.393	255.537	3.60	9.008	253.794	-66.67
-9.024	253.339	-66.67	-6.393	255.094	-3.60	488+15.000			255.324	253.874	1.450	6.393	255.554	3.60	8.896	253.885	-66.67
-9.191	253.245	-66.67	-6.393	255.111	-3.60	489+0.000			255.341	253.903	1.438	6.393	255.571	3.60	8.812	253.958	-66.67
-9.206	253.252	-66.67	-6.393	255.128	-3.60	489+5.000			255.358	253.919	1.439	6.393	255.588	3.60	8.880	253.930	-66.67
-9.223	253.258	-66.67	-6.393	255.145	-3.60	489+10.000			255.375	253.937	1.438	6.393	255.605	3.60	9.017	253.855	-66.67
-9.240	253.264	-66.67	-6.393	255.162	-3.60	489+15.000			255.392	253.956	1.436	6.393	255.622	3.60	9.159	253.778	-66.67
-9.228	253.289	-66.67	-6.393	255.179	-3.60	490+0.000			255.409	253.983	1.426	6.393	255.639	3.60	9.253	253.732	-66.67
-9.152	253.356	-66.67	-6.393	255.196	-3.60	490+5.000			255.426	253.970	1.456	6.393	255.656	3.60	9.216	253.774	-66.67
-8.831	253.587	-66.67	-6.393	255.213	-3.60	490+10.000			255.443	253.956	1.487	6.393	255.673	3.60	9.171	253.821	-66.67
-9.053	253.456	-66.67	-6.393	255.230	-3.60	490+15.000			255.460	253.939	1.521	6.393	255.690	3.60	9.125	253.869	-66.67
-9.026	253.492	-66.67	-6.393	255.247	-3.60	491+0.000			255.477	253.934	1.543	6.393	255.707	3.60	9.100	253.902	-66.67
-8.987	253.535	-66.67	-6.393	255.264	-3.60	491+5.000			255.494	253.954	1.540	6.393	255.724	3.60	9.128	253.901	-66.67
-8.970	253.563	-66.67	-6.393	255.281	-3.60	491+10.000			255.511	253.965	1.547	6.393	255.742	3.60	9.147	253.905	-66.67
-9.015	253.550	-66.67	-6.393	255.298	-3.60	491+15.000			255.528	253.971	1.557	6.393	255.759	3.60	9.165	253.910	-66.67
-9.010	253.571	-66.67	-6.393	255.315	-3.60	492+0.000			255.546	253.980	1.565	6.393	255.776	3.60	9.187	253.913	-66.67
-8.937	253.636	-66.67	-6.393	255.332	-3.60	492+5.000			255.563	253.992	1.570	6.393	255.793	3.60	9.212	253.913	-66.67
-8.757	253.773	-66.67	-6.393	255.349	-3.60	492+10.000			255.580	254.003	1.576	6.393	255.810	3.60	9.229	253.919	-66.67
-8.653	253.860	-66.67	-6.393	255.367	-3.60	492+15.000			255.597	254.015	1.582	6.393	255.827	3.60	9.167	253.977	-66.67
-8.642	253.884	-66.67	-6.393	255.384	-3.60	493+0.000			255.614	254.034	1.580	6.393	255.844	3.60	9.123	254.024	-66.67
-8.637	253.905	-66.67	-6.393	255.401	-3.60	493+5.000			255.631	254.044	1.587	6.393	255.861	3.60	9.091	254.062	-66.67
-8.627	253.928	-66.67	-6.393	255.418	-3.60	493+10.000			255.648	254.053	1.595	6.393	255.878	3.60	8.994	254.143	-66.67
-8.610	253.956	-66.67	-6.393	255.435	-3.60	493+15.000			255.665	254.082	1.583	6.393	255.895	3.60	8.901	254.222	-66.67
-8.610	253.974	-66.67	-6.393	255.452	-3.60	494+0.000			255.682	254.109	1.573	6.393	255.912	3.60	8.826	254.290	-66.67
-8.641	253.970	-66.67	-6.393	255.469	-3.60	494+5.000			255.699	254.132	1.567	6.393	255.929	3.60	8.784	254.335	-66.67
-8.666	253.970	-66.67	-6.393	255.486	-3.60	494+10.000			255.716	254.170	1.546	6.393	255.946	3.60	8.746	254.377	-66.67
-8.668	253.986	-66.67	-6.393	255.503	-3.60	494+15.000			255.733	254.253	1.480	6.393	255.963	3.60	8.734	254.402	-66.67
-8.636	254.024	-66.67	-6.393	255.520	-3.60	495+0.000			255.750	254.328	1.422	6.393	255.980	3.60	8.791	254.381	-66.67
-8.576	254.081	-66.67	-6.393	255.537	-3.60	495+5.000			255.767	254.379	1.388	6.393	255.997	3.60	8.928	254.307	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.504	254.146	-66.67	-6.393	255.554	-3.60	495+10.000			255.784	254.433	1.352	6.393	256.014	3.60	9.069	254.230	-66.67
-8.429	254.214	-66.67	-6.393	255.571	-3.60	495+15.000			255.801	254.485	1.316	6.393	256.031	3.60	9.211	254.152	-66.67
-8.360	254.277	-66.67	-6.393	255.588	-3.60	496+0.000			255.818	254.528	1.290	6.393	256.048	3.60	9.275	254.127	-66.67
-8.342	254.305	-66.67	-6.393	255.605	-3.60	496+5.000			255.835	254.544	1.291	6.393	256.065	3.60	9.203	254.192	-66.67
-8.325	254.334	-66.67	-6.393	255.622	-3.60	496+10.000			255.852	254.559	1.293	6.393	256.082	3.60	9.137	254.253	-66.67
-8.330	254.347	-66.67	-6.393	255.639	-3.60	496+15.000			255.869	254.578	1.292	6.393	256.100	3.60	9.077	254.310	-66.67
-8.321	254.371	-66.67	-6.393	255.656	-3.60	497+0.000			255.886	254.594	1.292	6.393	256.117	3.60	9.045	254.348	-66.67
-8.362	254.360	-66.67	-6.393	255.673	-3.60	497+5.000			255.903	254.607	1.296	6.393	256.134	3.60	9.014	254.386	-66.67
-8.409	254.346	-66.67	-6.393	255.690	-3.60	497+10.000			255.921	254.620	1.301	6.393	256.151	3.60	8.988	254.420	-66.67
-8.456	254.332	-66.67	-6.393	255.707	-3.60	497+15.000			255.938	254.634	1.304	6.393	256.168	3.60	8.968	254.450	-66.67
-8.491	254.325	-66.67	-6.393	255.725	-3.60	498+0.000			255.955	254.646	1.309	6.393	256.185	3.60	8.941	254.486	-66.67
-8.482	254.348	-66.67	-6.393	255.742	-3.60	498+5.000			255.972	254.655	1.317	6.393	256.202	3.60	8.908	254.525	-66.67
-8.512	254.346	-66.67	-6.393	255.759	-3.60	498+10.000		PCV	255.989	254.656	1.332	6.393	256.219	3.60	8.881	254.560	-66.67
-8.573	254.322	-66.67	-6.393	255.775	-3.60	498+15.000			256.006	254.652	1.353	6.393	256.236	3.60	8.861	254.590	-66.67
-8.609	254.311	-66.67	-6.393	255.789	-3.60	499+0.000			256.019	254.652	1.367	6.393	256.249	3.60	8.856	254.607	-66.67
-8.559	254.354	-66.67	-6.393	255.799	-3.60	499+5.000			256.029	254.668	1.361	6.393	256.259	3.60	8.886	254.596	-66.67
-8.539	254.370	-66.67	-6.393	255.801	-3.60	499+6.859			256.031	254.674	1.357	6.393	256.261	3.60	8.895	254.593	-66.67
-8.517	254.388	-66.67	-6.393	255.804	-3.60	499+10.000			256.034	254.687	1.347	6.393	256.264	3.60	8.910	254.586	-66.67
-8.479	254.414	-66.67	-6.393	255.805	-3.60	499+15.000			256.035	254.708	1.327	6.393	256.265	3.60	8.935	254.571	-66.67
-8.446	254.433	-66.67	-6.393	255.802	-3.60	500+0.000			256.032	254.726	1.306	6.393	256.262	3.60	8.942	254.563	-66.67
-8.427	254.438	-66.67	-6.393	255.795	-3.60	500+5.000			256.025	254.738	1.287	6.393	256.255	3.60	8.889	254.591	-66.67
-8.406	254.441	-66.67	-6.393	255.784	-3.60	500+10.000			256.014	254.752	1.262	6.393	256.244	3.60	8.837	254.614	-66.67
-8.380	254.443	-66.67	-6.393	255.768	-3.60	500+15.000			255.998	254.766	1.232	6.393	256.228	3.60	8.786	254.633	-66.67
-8.359	254.438	-66.67	-6.393	255.748	-3.60	501+0.000			255.979	254.778	1.201	6.393	256.209	3.60	8.733	254.648	-66.67
-8.367	254.408	-66.67	-6.393	255.725	-3.60	501+5.000		PTV	255.955	254.785	1.169	6.393	256.185	3.60	8.611	254.706	-66.67
-8.321	254.412	-66.67	-6.393	255.698	-3.60	501+10.000			255.928	254.789	1.139	6.393	256.158	3.60	8.468	254.774	-66.67
-8.277	254.414	-66.67	-6.393	255.670	-3.60	501+15.000			255.901	254.788	1.113	6.393	256.131	3.60	8.330	254.839	-66.67
-8.236	254.414	-66.67	-6.393	255.643	-3.60	502+0.000			255.873	254.785	1.088	6.393	256.103	3.60	8.240	254.872	-66.67
-8.196	254.414	-66.67	-6.393	255.616	-3.60	502+5.000			255.846	254.779	1.067	6.393	256.076	3.60	8.297	254.807	-66.67
-8.161	254.410	-66.67	-6.393	255.589	-3.60	502+10.000			255.819	254.774	1.045	6.393	256.049	3.60	8.357	254.739	-66.67
-8.128	254.405	-66.67	-6.393	255.562	-3.60	502+15.000			255.792	254.768	1.023	6.393	256.022	3.60	8.421	254.669	-66.67
-8.070	254.416	-66.67	-6.393	255.534	-3.60	503+0.000			255.764	254.757	1.008	6.393	255.995	3.60	8.472	254.608	-66.67
-8.031	254.415	-66.67	-6.393	255.507	-3.60	503+5.000			255.737	254.726	1.011	6.393	255.967	3.60	8.481	254.575	-66.67
-8.024	254.392	-66.67	-6.393	255.480	-3.60	503+10.000			255.710	254.697	1.013	6.393	255.940	3.60	8.512	254.527	-66.67
-8.045	254.351	-66.67	-6.393	255.453	-3.60	503+15.000			255.683	254.667	1.016	6.393	255.913	3.60	8.547	254.476	-66.67
-8.064	254.311	-66.67	-6.393	255.425	-3.60	504+0.000			255.656	254.635	1.021	6.393	255.886	3.60	8.595	254.417	-66.67
-8.076	254.276	-66.67	-6.393	255.398	-3.60	504+5.000			255.628	254.595	1.033	6.393	255.859	3.60	8.698	254.322	-66.67
-8.116	254.222	-66.67	-6.393	255.371	-3.60	504+10.000			255.601	254.543	1.058	6.393	255.831	3.60	8.805	254.223	-66.67
-8.198	254.140	-66.67	-6.393	255.344	-3.60	504+15.000			255.574	254.491	1.083	6.393	255.804	3.60	8.871	254.152	-66.67
-8.263	254.070	-66.67	-6.393	255.317	-3.60	505+0.000			255.547	254.439	1.107	6.393	255.777	3.60	8.766	254.195	-66.67
-8.264	254.042	-66.67	-6.393	255.289	-3.60	505+5.000			255.520	254.388	1.131	6.393	255.750	3.60	8.723	254.196	-66.67
-8.299	253.991	-66.67	-6.393	255.262	-3.60	505+10.000			255.492	254.338	1.155	6.393	255.722	3.60	8.625	254.234	-66.67
-8.337	253.939	-66.67	-6.393	255.235	-3.60	505+15.000			255.465	254.288	1.177	6.393	255.695	3.60	8.533	254.268	-66.67
-8.378	253.884	-66.67	-6.393	255.208	-3.60	506+0.000			255.438	254.232	1.206	6.393	255.668	3.60	8.468	254.284	-66.67
-8.427	253.824	-66.67	-6.393	255.181	-3.60	506+5.000			255.411	254.177	1.233	6.393	255.641	3.60	8.531	254.215	-66.67
-8.446	253.784	-66.67	-6.393	255.153	-3.60	506+10.000			255.383	254.119	1.265	6.393	255.614	3.60	8.599	254.143	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO					LADO DIREITO						
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.456	253.750	-66.67	-6.393	255.126	-3.60	506+15.000			255.356	254.061	1.296	6.393	255.586	3.60	8.682	254.060	-66.67
-8.472	253.712	-66.67	-6.393	255.099	-3.60	507+0.000			255.329	254.004	1.325	6.393	255.559	3.60	8.769	253.975	-66.67
-8.503	253.665	-66.67	-6.393	255.072	-3.60	507+5.000			255.302	253.955	1.347	6.393	255.532	3.60	8.854	253.891	-66.67
-8.537	253.615	-66.67	-6.393	255.045	-3.60	507+10.000			255.275	253.918	1.356	6.393	255.505	3.60	8.944	253.804	-66.67
-8.601	253.545	-66.67	-6.393	255.017	-3.60	507+15.000			255.247	253.886	1.361	6.393	255.478	3.60	9.038	253.714	-66.67
-8.689	253.459	-66.67	-6.393	254.990	-3.60	508+0.000			255.220	253.851	1.369	6.393	255.450	3.60	9.152	253.611	-66.67
-8.774	253.375	-66.67	-6.393	254.963	-3.60	508+5.000			255.193	253.810	1.383	6.393	255.423	3.60	9.227	253.534	-66.67
-8.844	253.302	-66.67	-6.393	254.936	-3.60	508+10.000			255.166	253.765	1.400	6.393	255.396	3.60	9.231	253.503	-66.67
-8.920	253.224	-66.67	-6.393	254.908	-3.60	508+15.000			255.139	253.719	1.420	6.393	255.369	3.60	9.232	253.476	-66.67
-8.979	253.157	-66.67	-6.393	254.881	-3.60	509+0.000			255.111	253.676	1.435	6.393	255.341	3.60	9.219	253.457	-66.67
-8.858	253.210	-66.67	-6.393	254.854	-3.60	509+5.000			255.084	253.655	1.429	6.393	255.314	3.60	9.160	253.469	-66.67
-8.744	253.259	-66.67	-6.393	254.827	-3.60	509+10.000			255.057	253.633	1.424	6.393	255.287	3.60	9.098	253.484	-66.67
-8.637	253.304	-66.67	-6.393	254.800	-3.60	509+15.000			255.030	253.611	1.418	6.393	255.260	3.60	9.033	253.500	-66.67
-8.583	253.312	-66.67	-6.393	254.772	-3.60	510+0.000			255.003	253.579	1.423	6.393	255.233	3.60	9.033	253.472	-66.67
-8.625	253.265	-66.67	-6.393	254.753	-3.60	510+3.580	CS		254.983	253.530	1.453	6.393	255.213	3.60	9.147	253.377	-66.67
-8.669	253.242	-66.67	-6.393	254.760	-3.37	510+5.000			254.975	253.510	1.465	6.393	255.191	3.37	9.169	253.340	-66.67
-8.778	253.166	-66.67	-6.393	254.756	-3.00	510+10.000			254.948	253.440	1.509	6.393	255.111	2.55	9.243	253.211	-66.67
-8.853	253.089	-66.67	-6.393	254.729	-3.00	510+15.000			254.921	253.367	1.554	6.393	255.032	1.73	9.315	253.083	-66.67
-8.894	253.035	-66.67	-6.393	254.702	-3.00	511+0.000			254.894	253.299	1.595	6.393	254.952	0.91	9.368	252.968	-66.67
-8.841	253.042	-66.67	-6.393	254.675	-3.00	511+5.000			254.866	253.259	1.607	6.393	254.873	0.09	9.263	252.959	-66.67
-8.829	253.023	-66.67	-6.393	254.647	-3.00	511+10.000			254.839	253.219	1.620	6.393	254.793	-0.72	9.133	252.966	-66.67
-8.890	252.955	-66.67	-6.393	254.620	-3.00	511+15.000			254.812	253.177	1.635	6.393	254.713	-1.54	9.004	252.973	-66.67
-8.950	252.888	-66.67	-6.393	254.593	-3.00	512+0.000			254.785	253.129	1.655	6.393	254.634	-2.36	8.874	252.980	-66.67
-8.909	252.888	-66.67	-6.393	254.566	-3.00	512+5.000			254.758	253.086	1.672	6.393	254.566	-3.00	8.801	252.960	-66.67
-8.869	252.888	-66.67	-6.393	254.539	-3.00	512+10.000			254.730	253.043	1.688	6.393	254.539	-3.00	8.789	252.941	-66.67
-8.926	252.822	-66.67	-6.393	254.511	-3.00	512+15.000			254.703	253.001	1.703	6.393	254.511	-3.00	8.788	252.914	-66.67
-9.018	252.734	-66.67	-6.393	254.484	-3.00	513+0.000			254.676	252.956	1.720	6.393	254.484	-3.00	8.804	252.876	-66.67
-9.011	252.711	-66.67	-6.393	254.457	-3.00	513+5.000			254.649	252.959	1.690	6.393	254.457	-3.00	8.760	252.879	-66.67
-9.003	252.689	-66.67	-6.393	254.430	-3.00	513+10.000			254.622	252.962	1.660	6.393	254.430	-3.00	8.743	252.863	-66.67
-8.946	252.700	-66.67	-6.393	254.403	-3.00	513+15.000			254.594	252.965	1.629	6.393	254.403	-3.00	8.726	252.847	-66.67
-8.875	252.720	-66.67	-6.393	254.375	-3.00	514+0.000			254.567	252.967	1.601	6.393	254.375	-3.00	8.709	252.831	-66.67
-8.811	252.736	-66.67	-6.393	254.348	-3.00	514+5.000			254.540	252.959	1.581	6.393	254.348	-3.00	8.684	252.821	-66.67
-8.748	252.751	-66.67	-6.393	254.321	-3.00	514+10.000		PCV	254.513	252.949	1.564	6.393	254.321	-3.00	8.658	252.810	-66.67
-8.699	252.756	-66.67	-6.393	254.294	-3.00	514+15.000			254.486	252.939	1.547	6.393	254.294	-3.00	8.633	252.800	-66.67
-8.664	252.754	-66.67	-6.393	254.268	-3.00	515+0.000			254.460	252.922	1.539	6.393	254.268	-3.00	8.606	252.793	-66.67
-8.627	252.762	-66.67	-6.393	254.251	-3.00	515+3.580	ST		254.443	252.933	1.509	6.393	254.251	-3.00	8.578	252.794	-66.67
-8.450	252.810	-66.67	-6.393	254.182	-3.00	516+0.000			254.374	252.991	1.383	6.393	254.182	-3.00	8.464	252.801	-66.67
-8.227	252.897	-66.67	-6.393	254.120	-3.00	517+0.000			254.312	253.011	1.301	6.393	254.120	-3.00	8.318	252.836	-66.67
-7.770	253.165	-66.67	-6.393	254.083	-3.00	518+0.000			254.275	253.044	1.232	6.393	254.083	-3.00	8.064	252.969	-66.67
-7.833	253.111	-66.67	-6.393	254.071	-3.00	519+0.000			254.263	253.122	1.141	6.393	254.071	-3.00	8.283	252.811	-66.67
-7.816	253.135	-66.67	-6.393	254.084	-3.00	520+0.000			254.276	253.169	1.107	6.393	254.084	-3.00	8.360	252.773	-66.67
-7.805	253.180	-66.67	-6.393	254.122	-3.00	521+0.000		PTV	254.313	253.162	1.151	6.393	254.122	-3.00	8.103	252.982	-66.67
-8.035	253.085	-66.67	-6.393	254.180	-3.00	522+0.000			254.371	253.176	1.196	6.393	254.180	-3.00	8.382	252.853	-66.67
-7.703	253.366	-66.67	-6.393	254.240	-3.00	523+0.000			254.431	253.446	0.986	6.393	254.240	-3.00	8.012	253.160	-66.67
-7.982	253.240	-66.67	-6.393	254.300	-3.00	524+0.000			254.491	253.385	1.106	6.393	254.300	-3.00	8.293	253.033	-66.67
-8.207	253.150	-66.67	-6.393	254.359	-3.00	525+0.000			254.551	253.213	1.338	6.393	254.359	-3.00	8.739	252.795	-66.67

Engenharia e Consultoria

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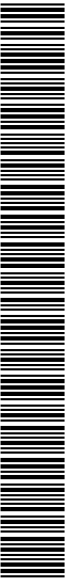
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.536	252.990	-66.67	-6.393	254.419	-3.00	526+0.000			254.611	253.150	1.461	6.393	254.419	-3.00	8.784	252.825	-66.67
-8.645	252.978	-66.67	-6.393	254.479	-3.00	527+0.000			254.671	253.124	1.548	6.393	254.479	-3.00	8.905	252.804	-66.67
-8.505	253.131	-66.67	-6.393	254.539	-3.00	528+0.000			254.731	253.169	1.562	6.393	254.539	-3.00	9.093	252.739	-66.67
-8.670	253.081	-66.67	-6.393	254.599	-3.00	529+0.000			254.791	253.313	1.478	6.393	254.599	-3.00	8.845	252.964	-66.67
-8.257	253.416	-66.67	-6.393	254.659	-3.00	530+0.000			254.851	253.412	1.439	6.393	254.659	-3.00	8.507	253.250	-66.67
-8.150	253.547	-66.67	-6.393	254.719	-3.00	531+0.000			254.911	253.635	1.276	6.393	254.719	-3.00	7.954	253.678	-66.67
-8.041	253.680	-66.67	-6.393	254.779	-3.00	532+0.000			254.971	253.742	1.228	6.393	254.779	-3.00	8.080	253.654	-66.67
-7.915	253.824	-66.67	-6.393	254.839	-3.00	533+0.000			255.031	253.934	1.097	6.393	254.839	-3.00	8.004	253.764	-66.67
-7.761	253.987	-66.67	-6.393	254.899	-3.00	534+0.000			255.091	253.986	1.105	6.393	254.899	-3.00	7.945	253.864	-66.67
-7.667	254.109	-66.67	-6.393	254.959	-3.00	535+0.000			255.151	254.110	1.041	6.393	254.959	-3.00	7.923	253.939	-66.67
-8.087	253.889	-66.67	-6.393	255.019	-3.00	536+0.000			255.211	253.904	1.307	6.393	255.019	-3.00	8.314	253.738	-66.67
-8.135	253.917	-66.67	-6.393	255.079	-3.00	537+0.000		PCV	255.271	254.030	1.240	6.393	255.079	-3.00	8.262	253.833	-66.67
-8.246	253.901	-66.67	-6.393	255.137	-3.00	538+0.000			255.328	254.132	1.197	6.393	255.137	-3.00	8.300	253.865	-66.67
-8.079	254.045	-66.67	-6.393	255.169	-3.00	539+0.000			255.361	254.094	1.267	6.393	255.169	-3.00	8.428	253.812	-66.67
-8.019	254.085	-66.67	-6.393	255.169	-3.00	540+0.000			255.361	254.204	1.157	6.393	255.169	-3.00	8.470	253.784	-66.67
-8.217	253.922	-66.67	-6.393	255.138	-3.00	541+0.000			255.329	254.065	1.265	6.393	255.138	-3.00	8.308	253.860	-66.67
-8.288	253.810	-66.67	-6.393	255.074	-3.00	542+0.000			255.266	253.946	1.320	6.393	255.074	-3.00	8.385	253.745	-66.67
-8.234	253.751	-66.67	-6.393	254.978	-3.00	543+0.000			255.170	253.857	1.313	6.393	254.978	-3.00	8.527	253.556	-66.67
-8.445	253.483	-66.67	-6.393	254.851	-3.00	544+0.000			255.043	253.724	1.319	6.393	254.851	-3.00	8.273	253.597	-66.67
-8.623	253.204	-66.67	-6.393	254.691	-3.00	545+0.000			254.883	253.583	1.300	6.393	254.691	-3.00	8.256	253.449	-66.67
-8.289	253.235	-66.67	-6.393	254.500	-3.00	546+0.000			254.691	253.411	1.281	6.393	254.500	-3.00	8.290	253.235	-66.67
-8.070	253.158	-66.67	-6.393	254.276	-3.00	547+0.000			254.468	253.241	1.227	6.393	254.276	-3.00	8.256	253.033	-66.67
-7.980	252.962	-66.67	-6.393	254.020	-3.00	548+0.000			254.212	252.977	1.235	6.393	254.020	-3.00	8.191	252.821	-66.67
-8.039	252.635	-66.67	-6.393	253.733	-3.00	549+0.000			253.924	252.639	1.286	6.393	253.733	-3.00	8.142	252.566	-66.67
-8.313	252.132	-66.67	-6.393	253.413	-3.00	550+0.000			253.605	252.295	1.309	6.393	253.413	-3.00	8.010	252.335	-66.67
-8.122	251.908	-66.67	-6.393	253.061	-3.00	551+0.000			253.253	251.961	1.293	6.393	253.061	-3.00	8.201	251.856	-66.67
-7.967	251.628	-66.67	-6.393	252.678	-3.00	552+0.000		PTV	252.870	251.602	1.267	6.393	252.678	-3.00	7.978	251.620	-66.67
-7.774	251.347	-66.67	-6.393	252.269	-3.00	553+0.000			252.460	251.301	1.159	6.393	252.269	-3.00	7.981	251.210	-66.67
-7.619	251.040	-66.67	-6.393	251.857	-3.00	554+0.000			252.049	250.992	1.057	6.393	251.857	-3.00	7.745	250.956	-66.67
-7.720	250.561	-66.67	-6.393	251.446	-3.00	555+0.000			251.638	250.633	1.005	6.393	251.446	-3.00	7.490	250.715	-66.67
-7.864	250.054	-66.67	-6.393	251.035	-3.00	556+0.000			251.227	250.259	0.968	6.393	251.035	-3.00	7357	250392	-66.67
-7.755	249.716	-66.67	-6.393	250.624	-3.00	557+0.000			250.816	249.895	0.920	6.393	250.624	-3.00	7323	250003	-66.67
-7.371	249.560	-66.67	-6.393	250.213	-3.00	558+0.000			250.404	249.486	0.918	6.393	250.213	-3.00	7.374	249.558	-66.67
-7.660	248.956	-66.67	-6.393	249.801	-3.00	559+0.000			249.993	248.855	1.138	6.393	249.801	-3.00	7.383	249.141	-66.67
-7.431	248.698	-66.67	-6.393	249.390	-3.00	560+0.000			249.582	248.735	0.847	6.393	249.390	-3.00	7.219	248.839	-66.67
-7.276	248.390	-66.67	-6.393	248.979	-3.00	561+0.000			249.171	248.425	0.746	6.393	248.979	-3.00	7.257	248.403	-66.67
-7.163	248.054	-66.67	-6.393	248.568	-3.00	562+0.000			248.760	248.124	0.636	6.393	248.568	-3.00	7.134	248.074	-66.67
-7.014	247.742	-66.67	-6.393	248.157	-3.00	563+0.000			248.348	247.770	0.579	6.393	248.157	-3.00	6.976	247.767	-66.67
-6.684	247.551	-66.67	-6.393	247.745	-3.00	564+0.000			247.937	247.397	0.540	6.393	247.745	-3.00	7.077	247.289	-66.67
-6.782	247.106	-66.67	-6.393	247.366	-3.00	564+18.452	PC		247.558	247.039	0.519	6.393	247.366	-3.00	6.911	247.021	-66.67
-6.793	247.067	-66.67	-6.393	247.334	-3.00	565+0.000			247.526	247.009	0.517	6.393	247.334	-3.00	6.919	246.983	-66.67
-6.818	246.948	-66.67	-6.393	247.231	-3.00	565+5.000			247.423	246.907	0.516	6.393	247.231	-3.00	6.991	246.832	-66.67
-6.837	246.832	-66.67	-6.393	247.129	-3.00	565+10.000			247.320	246.803	0.517	6.393	247.129	-3.00	7.033	246.701	-66.67
-6.854	246.718	-66.67	-6.393	247.026	-3.00	565+15.000			247.218	246.699	0.519	6.393	247.026	-3.00	7.066	246.577	-66.67
-6.871	246.604	-66.67	-6.393	246.923	-3.00	566+0.000			247.115	246.595	0.520	6.393	246.923	-3.00	7.099	246.452	-66.67
-6.841	246.542	-66.67	-6.393	246.841	-3.00	566+3.980			247.033	246.512	0.521	6.393	246.841	-3.00	7.112	246.361	-66.67

Engenharia e Consultoria

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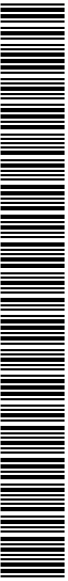
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-6.840	246.522	-66.67	-6.393	246.820	-3.00	566+5.000			247.012	246.492	0.520	6.393	246.820	-3.00	7.112	246.340	-66.67
-6.839	246.420	-66.67	-6.393	246.717	-3.00	566+10.000			246.909	246.394	0.516	6.393	246.717	-3.00	7.113	246.237	-66.67
-6.837	246.319	-66.67	-6.393	246.615	-3.00	566+15.000			246.806	246.289	0.518	6.393	246.615	-3.00	7.113	246.134	-66.67
-6.834	246.217	-66.67	-6.393	246.512	-3.00	567+0.000			246.704	246.181	0.523	6.393	246.512	-3.00	7.117	246.029	-66.67
-6.813	246.129	-66.67	-6.393	246.409	-3.00	567+5.000			246.601	246.074	0.527	6.393	246.409	-3.00	7.113	245.929	-66.67
-6.779	246.058	-66.67	-6.393	246.316	-3.00	567+9.508	PT		246.508	245.981	0.527	6.393	246.316	-3.00	7.197	245.780	-66.67
-6.702	245.894	-66.67	-6.393	246.101	-3.00	568+0.000			246.292	245.765	0.527	6.393	246.101	-3.00	7.426	245.412	-66.67
-6.527	245.600	-66.67	-6.393	245.689	-3.00	569+0.000			245.881	245.364	0.517	6.393	245.689	-3.00	6.959	245.311	-66.67
-6.628	245.121	-66.67	-6.393	245.278	-3.00	570+0.000			245.470	244.983	0.487	6.393	245.278	-3.00	7.243	244.711	-66.67
-6.840	244.568	-66.67	-6.393	244.867	-3.00	571+0.000			245.059	244.652	0.407	6.393	244.867	-3.00	7.004	244.459	-66.67
-7.024	244.035	-66.67	-6.393	244.456	-3.00	572+0.000			244.648	244.231	0.416	6.393	244.456	-3.00	6.867	244.140	-66.67
-7.212	243.498	-66.67	-6.393	244.045	-3.00	573+0.000			244.236	243.542	0.695	6.393	244.045	-3.00	6.915	243.696	-66.67
-7.156	243.124	-66.67	-6.393	243.633	-3.00	574+0.000			243.825	243.093	0.732	6.393	243.633	-3.00	6.972	243.247	-66.67
-7.072	242.769	-66.67	-6.393	243.222	-3.00	575+0.000			243.414	242.532	0.882	6.393	243.222	-3.00	7.162	242.709	-66.67
-7.603	242.004	-66.67	-6.393	242.811	-3.00	576+0.000			243.003	242.089	0.914	6.393	242.811	-3.00	7.060	242.366	-66.67
-7.681	241.541	-66.67	-6.393	242.400	-3.00	577+0.000			242.592	241.678	0.913	6.393	242.400	-3.00	7.299	241.796	-66.67
-7.633	241.162	-66.67	-6.393	241.989	-3.00	578+0.000			242.180	241.219	0.962	6.393	241.989	-3.00	7.621	241.170	-66.67
-8.175	240.389	-66.67	-6.393	241.577	-3.00	579+0.000			241.769	240.494	1.275	6.393	241.577	-3.00	7.735	240.682	-66.67
-7.947	240.130	-66.67	-6.393	241.166	-3.00	580+0.000			241.358	240.083	1.275	6.393	241.166	-3.00	8.033	240.073	-66.67
-7.855	239.780	-66.67	-6.393	240.755	-3.00	581+0.000			240.947	239.712	1.234	6.393	240.755	-3.00	8.263	239.508	-66.67
-7.811	239.398	-66.67	-6.393	240.344	-3.00	582+0.000			240.536	239.426	1.110	6.393	240.344	-3.00	7.983	239.284	-66.67
-7.915	238.918	-66.67	-6.393	239.933	-3.00	583+0.000			240.124	239.049	1.075	6.393	239.933	-3.00	8.018	238.849	-66.67
-7.879	238.530	-66.67	-6.393	239.521	-3.00	584+0.000			239.713	238.472	1.241	6.393	239.521	-3.00	7.916	238.506	-66.67
-7.796	238.175	-66.67	-6.393	239.110	-3.00	585+0.000			239.302	237.994	1.308	6.393	239.110	-3.00	8.029	238.019	-66.67
-7.710	237.821	-66.67	-6.393	238.699	-3.00	586+0.000			238.891	237.599	1.292	6.393	238.699	-3.00	7.863	237.718	-66.67
-7.709	237.410	-66.67	-6.393	238.288	-3.00	587+0.000			238.480	237.318	1.162	6.393	238.288	-3.00	7.638	237.457	-66.67
-7.795	236.942	-66.67	-6.393	237.877	-3.00	588+0.000			238.068	237.192	0.877	6.393	237.877	-3.00	7362	237231	-66.67
-7.769	236.801	-66.67	-6.393	237.719	-3.00	588+7.680	PC		237.910	237.047	0.863	6.393	237.719	-3.00	7.313	237.105	-66.67
-7.750	236.766	-66.67	-6.393	237.671	-3.00	588+10.000			237.863	236.983	0.879	6.393	237.671	-3.00	7.307	237.061	-66.67
-7.709	236.690	-66.67	-6.393	237.568	-3.00	588+15.000		PCV	237.760	236.832	0.928	6.393	237.568	-3.00	7.293	236.968	-66.67
-7.670	236.614	-66.67	-6.393	237.466	-3.00	589+0.000			237.657	236.673	0.984	6.393	237.466	-3.00	7.308	236.855	-66.67
-7.650	236.556	-66.67	-6.393	237.395	-3.00	589+3.620			237.586	236.568	1.018	6.393	237.395	-3.00	7314	236781	-66.67
-7.643	236.535	-66.67	-6.393	237.369	-3.00	589+5.000			237.560	236.538	1.023	6.393	237.369	-3.00	7.305	236.761	-66.67
-7.626	236.457	-66.67	-6.393	237.279	-3.00	589+10.000			237.471	236.423	1.048	6.393	237.279	-3.00	7.297	236.677	-66.67
-7.621	236.379	-66.67	-6.393	237.198	-3.00	589+15.000			237.390	236.291	1.098	6.393	237.198	-3.00	7.308	236.588	-66.67
-7.627	236.307	-66.67	-6.393	237.131	-3.00	589+19.560	PT		237.322	236.170	1.153	6.393	237.131	-3.00	7.328	236.507	-66.67
-7.628	236.300	-66.67	-6.393	237.124	-3.00	590+0.000			237.316	236.158	1.158	6.393	237.124	-3.00	7.330	236.499	-66.67
-7.975	235.853	-66.67	-6.393	236.908	-3.00	591+0.000			237.100	236.019	1.081	6.393	236.908	-3.00	7.192	236.375	-66.67
-8.470	235.432	-66.67	-6.393	236.817	-3.00	592+0.000			237.009	235.556	1.453	6.393	236.817	-3.00	7.821	235.864	-66.67
-9.083	235.057	-66.67	-6.393	236.851	-3.00	593+0.000			237.042	235.176	1.866	6.393	236.851	-3.00	8.178	235.660	-66.67
-9.806	234.734	-66.67	-6.393	237.009	-3.00	594+0.000			237.201	235.019	2.182	6.393	237.009	-3.00	8.845	235.374	-66.67
-10.681	234.434	-66.67	-6.393	237.293	-3.00	595+0.000		PTV	237.485	234.628	2.857	6.393	237.293	-3.00	9.997	234.890	-66.67
-11.193	234.446	-66.67	-6.393	237.646	-3.00	596+0.000			237.838	234.538	3.300	6.393	237.646	-3.00	12.840	233.348	-66.67
-12.057	234.224	-66.67	-6.393	238.000	-3.00	597+0.000			238.192	233.902	4.290	6.393	238.000	-3.00	14.788	232.403	-66.67
-12.861	234.041	-66.67	-6.393	238.354	-3.00	598+0.000		PCV	238.546	234.042	4.504	6.393	238.354	-3.00	17.867	231.734	-66.67
-14.306	233.379	-66.67	-6.393	238.654	-3.00	599+0.000			238.846	234.190	4.656	6.393	238.654	-3.00	18.466	231.635	-66.67

Engenharia e Consultoria

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NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-15.184	232.969	-66.67	-6.393	238.830	-3.00	600+0.000		PTV	239.022	234.149	4.873	6.393	238.830	-3.00	19.039	231.429	-66.67
-18.719	231.693	-66.67	-6.393	238.881	-3.00	601+0.000			239.073	234.412	4.661	6.393	238.881	-3.00	19.347	231.275	-66.67
PONTE SOBRE O RIO BRAÇO DOIS																	
-19.674	231.045	-66.67	-6.393	238.869	-3.00	607+0.000			239.061	237.455	1.606	6.393	238.869	-3.00	18.757	231.656	-66.67
-19.630	231.072	-66.67	-6.393	238.867	-3.00	608+0.000		PCV	239.059	234.395	4.664	6.393	238.867	-3.00	18.177	232.041	-66.67
-19.587	231.099	-66.67	-6.393	238.865	-3.00	609+0.000			239.057	234.471	4.586	6.393	238.865	-3.00	18.169	232.044	-66.67
-19.523	231.112	-66.67	-6.393	238.835	-3.00	610+0.000			239.027	233.475	5.552	6.393	238.835	-3.00	16.510	232.005	-66.94
-19.318	231.100	-66.67	-6.393	238.687	-3.00	611+0.000			238.878	234.017	4.861	6.393	238.687	-3.00	16.345	232.052	-66.67
-18.959	231.066	-66.67	-6.393	238.413	-3.00	612+0.000			238.605	233.748	4.857	6.393	238.413	-3.00	15.878	232.089	-66.67
-18.454	231.011	-66.67	-6.393	238.022	-3.00	613+0.000		PTV	238.214	233.543	4.671	6.393	238.022	-3.00	14.997	232.286	-66.67
-17.915	230.951	-66.67	-6.393	237.602	-3.00	614+0.000			237.794	234.164	3.630	6.393	237.602	-3.00	14.693	232.069	-66.67
-17.218	230.996	-66.67	-6.393	237.183	-3.00	615+0.000			237.375	233.716	3.658	6.393	237.183	-3.00	13.896	232.180	-66.67
-14.578	231.306	-66.67	-6.393	236.763	-3.00	616+0.000		PCV	236.955	232.623	4.332	6.393	236.763	-3.00	14.211	231.551	-66.67
-13.701	231.471	-66.67	-6.393	236.344	-3.00	617+0.000			236.535	233.298	3.237	6.393	236.344	-3.00	13.134	231.850	-66.67
-12.278	232.013	-66.67	-6.393	235.937	-3.00	618+0.000			236.128	233.297	2.831	6.393	235.937	-3.00	12.369	231.952	-66.67
-11.735	232.073	-66.67	-6.393	235.635	-3.00	619+0.000			235.827	232.092	3.735	6.393	235.635	-3.00	12.065	231.853	-66.67
-10.374	232.805	-66.67	-6.393	235.459	-3.00	620+0.000			235.651	233.061	2.590	6.393	235.459	-3.00	11.649	231.955	-66.67
-11.186	232.193	-66.67	-6.393	235.389	-3.00	621+0.000		PTV	235.580	233.157	2.423	6.393	235.389	-3.00	11.340	232.090	-66.67
-10.755	232.422	-66.67	-6.393	235.331	-3.00	622+0.000			235.522	233.525	1998	6.393	235.331	-3.00	11.173	232.144	-66.67
-9.493	233.205	-66.67	-6.393	235.273	-3.00	623+0.000			235.465	233.484	1980	6.393	235.273	-3.00	10.673	232.419	-66.67
-10.677	232.358	-66.67	-6.393	235.215	-3.00	624+0.000			235.407	233.186	2.220	6.393	235.215	-3.00	10.496	232.479	-66.67
-9.926	232.801	-66.67	-6.393	235.157	-3.00	625+0.000			235.349	233.112	2.237	6.393	235.157	-3.00	10.336	232.528	-66.67
-9.498	233.029	-66.67	-6.393	235.099	-3.00	626+0.000			235.291	233.278	2012	6.393	235.099	-3.00	10.130	232.607	-66.67
-8.932	233.348	-66.67	-6.393	235.041	-3.00	627+0.000			235.233	233.439	1794	6.393	235.041	-3.00	9.067	233.258	-66.67
-9.819	232.699	-66.67	-6.393	234.983	-3.00	628+0.000			235.175	233.101	2.074	6.393	234.983	-3.00	9.970	232.598	-66.67
-9.467	232.875	-66.67	-6.393	234.925	-3.00	629+0.000			235.117	233.113	2004	6.393	234.925	-3.00	9.625	232.770	-66.67
-9.085	233.072	-66.67	-6.393	234.867	-3.00	630+0.000			235.059	233.410	1649	6.393	234.867	-3.00	9.279	232.943	-66.67
-8.862	233.163	-66.67	-6.393	234.809	-3.00	631+0.000			235.001	233.341	1660	6.393	234.809	-3.00	9.435	232.781	-66.67
-9.243	232.851	-66.67	-6.393	234.751	-3.00	632+0.000			234.943	233.026	1918	6.393	234.751	-3.00	9.490	232.686	-66.67
-8.772	233.107	-66.67	-6.393	234.693	-3.00	633+0.000			234.885	233.209	1676	6.393	234.693	-3.00	9.450	232.655	-66.67
-8.109	233.491	-66.67	-6.393	234.635	-3.00	634+0.000			234.827	233.426	1401	6.393	234.635	-3.00	9.241	232.737	-66.67
-8.805	232.969	-66.67	-6.393	234.578	-3.00	635+0.000		PCV	234.769	233.052	1717	6.393	234.578	-3.00	9.357	232.601	-66.67
-8.580	233.061	-66.67	-6.393	234.520	-3.00	636+0.000			234.711	233.146	1566	6.393	234.520	-3.00	8.931	232.827	-66.67
-7.943	233.451	-66.67	-6.393	234.485	-3.00	637+0.000			234.677	233.425	1252	6.393	234.485	-3.00	9.136	232.655	-66.67
-8.241	233.298	-66.67	-6.393	234.531	-3.00	638+0.000			234.722	233.300	1423	6.393	234.531	-3.00	9.130	232.706	-66.67
-8.550	233.221	-66.67	-6.393	234.660	-3.00	639+0.000			234.851	233.193	1658	6.393	234.660	-3.00	9.257	232.750	-66.67
-8.892	233.206	-66.67	-6.393	234.872	-3.00	640+0.000			235.064	233.565	1499	6.393	234.872	-3.00	9.105	233.064	-66.67
-8.695	233.633	-66.67	-6.393	235.168	-3.00	641+0.000			235.360	233.611	1749	6.393	235.168	-3.00	9.330	233.209	-66.67
-8.645	234.043	-66.67	-6.393	235.544	-3.00	642+0.000		PTV	235.736	233.873	1.863	6.393	235.544	-3.00	9.276	233.622	-66.67
-8.992	234.211	-66.67	-6.393	235.944	-3.00	643+0.000			236.136	234.192	1.943	6.393	235.944	-3.00	9.656	233.768	-66.67
-9.446	234.307	-66.67	-6.393	236.343	-3.00	644+0.000			236.535	234.537	1.998	6.393	236.343	-3.00	9.333	234.383	-66.67
-9.034	234.982	-66.67	-6.393	236.743	-3.00	645+0.000			236.935	234.778	2.157	6.393	236.743	-3.00	9.363	234.763	-66.67
-9.023	235.389	-66.67	-6.393	237.142	-3.00	646+0.000			237.334	235.235	2.100	6.393	237.142	-3.00	9.219	235.258	-66.67
-8.967	235.825	-66.67	-6.393	237.542	-3.00	647+0.000			237.734	235.724	2.009	6.393	237.542	-3.00	9.260	235.630	-66.67
-8.885	236.279	-66.67	-6.393	237.941	-3.00	648+0.000			238.133	236.106	2.027	6.393	237.941	-3.00	9.264	236.027	-66.67

Engenharia e Consultoria

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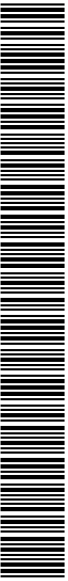
NOTA DE SERVIÇO DE TERRAPLANAGEM

MT 208 - ESTACAS - 0+0.000 A 682+4.749

LADO ESQUERDO						EIXO						LADO DIREITO					
OFFSET			LATERAL			Estaca	Notáveis da	Notáveis da	Cota Projeto	Cota Terreno	Cota Vermelha	LATERAL			OFFSET		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-8.875	236.686	-66.67	-6.393	238.341	-3.00	649+0.000			238.533	236.588	1.945	6.393	238.341	-3.00	9.208	236.464	-66.67
-8.838	237.110	-66.67	-6.393	238.740	-3.00	650+0.000			238.932	237.127	1.805	6.393	238.740	-3.00	9.391	236.741	-66.67
-8.767	237.557	-66.67	-6.393	239.140	-3.00	651+0.000			239.332	237.456	1.876	6.393	239.140	-3.00	9.236	237.244	-66.67
-8.871	237.887	-66.67	-6.393	239.539	-3.00	652+0.000			239.731	237.862	1.870	6.393	239.539	-3.00	9.139	237.709	-66.67
-8.762	238.359	-66.67	-6.393	239.939	-3.00	653+0.000			240.131	238.238	1.893	6.393	239.939	-3.00	9.401	237.933	-66.67
-9.205	238.463	-66.67	-6.393	240.338	-3.00	654+0.000			240.530	238.641	1.889	6.393	240.338	-3.00	9.378	238.348	-66.67
-8.508	239.328	-66.67	-6.393	240.738	-3.00	655+0.000			240.930	239.033	1.897	6.393	240.738	-3.00	9.108	238.928	-66.67
-8.520	239.719	-66.67	-6.393	241.137	-3.00	656+0.000			241.329	239.660	1.669	6.393	241.137	-3.00	8.963	239.424	-66.67
-8.351	240.231	-66.67	-6.393	241.537	-3.00	657+0.000			241.729	240.077	1.651	6.393	241.537	-3.00	8.812	239.924	-66.67
-8.230	240.711	-66.67	-6.393	241.936	-3.00	658+0.000			242.128	240.682	1.446	6.393	241.936	-3.00	8.579	240.479	-66.67
-7.773	241.416	-66.67	-6.393	242.336	-3.00	659+0.000			242.528	241.326	1.202	6.393	242.336	-3.00	8.124	241.181	-66.67
-7.676	241.879	-66.67	-6.393	242.735	-3.00	660+0.000			242.927	241.885	1.042	6.393	242.735	-3.00	8.045	241.634	-66.67
-7.540	242.370	-66.67	-6.393	243.135	-3.00	661+0.000			243.327	242.548	0.779	6.393	243.135	-3.00	7.757	242.225	-66.67
-7.064	243.087	-66.67	-6.393	243.534	-3.00	662+0.000			243.726	243.160	0.566	6.393	243.534	-3.00	7.322	242.915	-66.67
-6.913	243.587	-66.67	-6.393	243.934	-3.00	663+0.000			244.126	243.766	0.360	6.393	243.934	-3.00	7.419	243.250	-66.67
-6.481	244.274	-66.67	-6.393	244.333	-3.00	664+0.000			244.525	244.278	0.247	6.393	244.333	-3.00	7.282	243.740	-66.67
-6.494	244.834	100.00	-6.393	244.733	-3.00	665+0.000			244.925	244.820	0.105	6.393	244.733	-3.00	6.672	244.546	-66.67
-6.586	245.326	100.00	-6.393	245.132	-3.00	666+0.000			245.324	245.353	-0.029	6.393	245.132	-3.00	6.605	245.345	100.00
-6.730	245.869	100.00	-6.393	245.532	-3.00	667+0.000			245.724	245.900	-0.176	6.393	245.532	-3.00	6.807	245.946	100.00
-6.977	246.516	100.00	-6.393	245.931	-3.00	668+0.000			246.123	246.632	-0.509	6.393	245.931	-3.00	7.236	246.775	100.00
-7.550	247.489	100.00	-6.393	246.331	-3.00	669+0.000			246.523	247.180	-0.658	6.393	246.331	-3.00	7.656	247.594	100.00
-7.172	247.510	100.00	-6.393	246.730	-3.00	670+0.000			246.922	247.469	-0.547	6.393	246.730	-3.00	7.555	247.893	100.00
-7.048	247.786	100.00	-6.393	247.130	-3.00	671+0.000			247.322	247.949	-0.628	6.393	247.130	-3.00	7.539	248.277	100.00
-7.006	248.143	100.00	-6.393	247.529	-3.00	672+0.000		PCV	247.721	248.407	-0.686	6.393	247.529	-3.00	7.535	248.672	100.00
-7.023	248.555	100.00	-6.393	247.925	-3.00	673+0.000			248.117	248.772	-0.655	6.393	247.925	-3.00	7.382	248.914	100.00
-7.107	248.997	100.00	-6.393	248.282	-3.00	674+0.000			248.474	249.142	-0.668	6.393	248.282	-3.00	7.262	249.151	100.00
-7.173	249.374	100.00	-6.393	248.593	-3.00	675+0.000			248.785	249.461	-0.676	6.393	248.593	-3.00	7.138	249.338	100.00
-6.990	249.456	100.00	-6.393	248.859	-3.00	676+0.000			249.050	249.689	-0.638	6.393	248.859	-3.00	7.026	249.492	100.00
-6.919	249.604	100.00	-6.393	249.078	-3.00	677+0.000			249.270	249.901	-0.631	6.393	249.078	-3.00	6.994	249.680	100.00
-6.931	249.790	100.00	-6.393	249.251	-3.00	678+0.000			249.443	250.103	-0.660	6.393	249.251	-3.00	6.986	249.845	100.00
-6.849	249.835	100.00	-6.393	249.379	-3.00	679+0.000		PTV	249.571	250.109	-0.538	6.393	249.379	-3.00	6.857	249.843	100.00
-6.784	249.859	100.00	-6.393	249.468	-3.00	680+0.000			249.660	250.074	-0.414	6.393	249.468	-3.00	6.721	249.797	100.00
-6.712	249.873	100.00	-6.393	249.554	-3.00	681+0.000			249.745	250.015	-0.270	6.393	249.554	-3.00	6.596	249.757	100.00
-6.702	249.948	100.00	-6.393	249.639	-3.00	682+0.000			249.831	249.977	-0.146	6.393	249.639	-3.00	6.529	249.775	100.00
-6.724	249.965	92.45	-6.393	249.659	-3.00	682+4.749			249.851	249.965	-0.114	6.393	249.659	-3.00	6.478	249.720	100.00

Engenharia e Consultoria
dunamis

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https://aquisicoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ3Y-38HZ-7N9A-8P-UT. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026. Juniado em 15/04/2026
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SINFRA-PRO-2026/06335-17A





4 – CÁLCULO DE VOLUME



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📍 Av. José Estêvão Torquato da Silva, 1225
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<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=36151613-8127>



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Cálculo de Volumes Segmento 11,60M - 13,644km																		
Estaca	Áreas								Soma-distância	Volumes								
	Corte				Aterro					Parcial					Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro			Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.	
EIXO - MT 208																		
0+0,000	2,53	2,53			-	-	-	-	-	-	-	-	-	-	-	-	-	
0+12,651	0,41	2,94			-	-	2,49	2,49	6,33	18,57	-	-	15,75	15,75	18,57	-	15,75	
0+15,000	-	0,41			-	-	3,03	5,52	1,17	0,48	-	-	6,49	6,49	19,05	-	22,24	
1+0,000	-	-			0,10	0,10	5,32	8,35	2,50	-	-	0,26	21,03	21,29	19,05	0,26	43,27	
1+3,336	-	-			0,53	0,63	6,59	11,91	1,67	-	-	1,06	19,85	20,91	19,05	1,33	63,12	
1+5,000	-	-			0,74	1,27	6,82	13,41	0,83	-	-	1,06	11,15	12,21	19,05	2,38	74,27	
1+10,000	-	-			1,33	2,07	7,44	14,26	2,50	-	-	5,28	35,77	41,05	19,05	7,66	110,04	
1+14,020	-	-			2,43	3,76	7,54	14,98	2,01	-	-	7,57	30,10	37,67	19,05	15,23	140,14	
2+0,000	-	-			2,58	5,01	8,22	15,76	2,99	-	-	14,97	47,13	62,10	19,05	30,20	187,27	
3+0,000	-	-			3,08	5,66	8,59	16,81	10,00	-	-	56,61	168,05	224,66	19,05	86,82	355,32	
4+0,000	-	-			2,81	5,89	8,56	17,15	10,00	-	-	58,91	171,49	230,40	19,05	145,73	526,81	
5+0,000	-	-			1,66	4,47	8,37	16,93	10,00	-	-	44,70	169,35	214,05	19,05	190,43	696,16	
6+0,000	-	-			1,56	3,22	8,06	16,43	10,00	-	-	32,20	164,34	196,54	19,05	222,63	860,50	
7+0,000	-	-			1,60	3,16	8,37	16,43	10,00	-	-	31,52	164,39	195,91	19,05	254,14	1.024,89	
8+0,000	-	-			0,78	2,38	7,21	15,58	10,00	-	-	23,80	155,83	179,63	19,05	277,95	1.180,72	
9+0,000	-	-			0,04	0,82	6,45	13,66	10,00	-	-	8,24	136,63	144,87	19,05	286,18	1.317,35	
10+0,000	-	-			2,59	2,63	9,04	15,49	10,00	-	-	26,33	154,93	181,26	19,05	312,51	1.472,28	
10+0,958	-	-			2,92	5,51	9,11	18,15	0,48	-	-	2,64	8,69	11,33	19,05	315,15	1.480,97	
10+5,000	-	-			4,11	7,03	9,41	18,52	2,02	-	-	14,20	37,43	51,63	19,05	329,35	1.518,40	
10+10,000	-	-			4,81	8,92	9,76	19,17	2,50	-	-	22,31	47,91	70,22	19,05	351,66	1.566,31	
10+15,000	-	-			5,28	10,09	10,06	19,82	2,50	-	-	25,22	49,56	74,78	19,05	376,88	1.615,87	
11+0,000	-	-			5,75	11,03	10,35	20,41	2,50	-	-	27,57	51,02	78,59	19,05	404,45	1.666,89	
11+3,462	-	-			6,05	11,80	10,52	20,87	1,73	-	-	20,44	36,10	56,54	19,05	424,89	1.702,99	
11+5,000	-	-			5,99	12,04	10,53	21,05	0,77	-	-	9,26	16,18	25,44	19,05	434,15	1.719,17	
11+10,000	-	-			5,69	11,68	10,57	21,10	2,50	-	-	29,20	52,74	81,94	19,05	463,35	1.771,91	
11+15,000	-	-			5,30	10,99	10,61	21,18	2,50	-	-	27,47	52,94	80,41	19,05	490,82	1.824,85	
12+0,000	-	-			4,72	10,02	10,63	21,24	2,50	-	-	25,05	53,09	78,14	19,05	515,87	1.877,94	
12+5,000	-	-			3,96	8,68	10,54	21,17	2,50	-	-	21,72	52,91	74,63	19,05	537,59	1.930,85	
12+5,966	-	-			3,84	7,80	10,52	21,06	0,48	-	-	3,77	10,17	13,94	19,05	541,36	1.941,02	
13+0,000	-	-			2,03	5,87	9,24	19,76	7,02	-	-	41,18	138,70	179,88	19,05	582,54	2.079,72	
14+0,000	-	-			3,82	5,85	9,82	19,06	10,00	-	-	58,46	190,66	249,12	19,05	641,00	2.270,38	
15+0,000	-	-			4,97	8,79	9,76	19,58	10,00	-	-	87,90	195,79	283,69	19,05	728,90	2.466,17	
16+0,000	-	-			5,86	10,83	9,54	19,30	10,00	-	-	108,32	193,01	301,33	19,05	837,22	2.659,18	
17+0,000	-	-			6,07	11,93	9,51	19,05	10,00	-	-	119,38	190,48	309,86	19,05	956,60	2.849,66	
18+0,000	-	-			6,64	12,71	9,26	18,77	10,00	-	-	127,17	187,64	314,81	19,05	1.083,77	3.037,30	
19+0,000	-	-			5,97	12,61	9,13	18,39	10,00	-	-	126,11	183,85	309,96	19,05	1.209,88	3.221,15	
20+0,000	-	-			4,99	10,96	8,94	18,07	10,00	-	-	109,63	180,61	290,24	19,05	1.319,52	3.401,76	
21+0,000	-	-			4,00	8,99	8,63	17,57	10,00	-	-	89,91	175,61	265,52	19,05	1.409,43	3.577,37	
22+0,000	-	-			3,14	7,14	8,46	17,09	10,00	-	-	71,37	170,93	242,30	19,05	1.480,80	3.748,30	
23+0,000	-	-			3,18	6,32	8,26	16,72	10,00	-	-	63,20	167,26	230,46	19,05	1.544,00	3.915,56	
24+0,000	-	-			2,86	6,04	8,22	16,48	10,00	-	-	60,36	164,86	225,22	19,05	1.604,37	4.080,42	
25+0,000	-	-			1,22	4,08	7,97	16,19	10,00	-	-	40,80	161,89	202,69	19,05	1.645,16	4.242,31	
26+0,000	-	-			1,29	2,51	7,72	15,69	10,00	-	-	25,14	156,88	182,02	19,05	1.670,31	4.399,19	
27+0,000	-	-			0,76	2,05	7,48	15,20	10,00	-	-	20,53	151,98	172,51	19,05	1.690,83	4.551,17	
28+0,000	-	-			0,24	1,00	6,91	14,39	10,00	-	-	10,01	143,85	153,86	19,05	1.700,84	4.695,02	
29+0,000	-	-			-	0,24	5,97	12,88	10,00	-	-	2,40	128,80	131,20	19,05	1.703,24	4.823,82	
30+0,000	-	-			-	-	6,21	12,18	10,00	-	-	-	121,85	121,85	19,05	1.703,24	4.945,67	
31+0,000	-	-			-	-	4,85	11,06	10,00	-	-	-	110,66	110,66	19,05	1.703,24	5.056,33	
32+0,000	-	-			-	-	3,64	8,49	10,00	-	-	-	84,88	84,88	19,05	1.703,24	5.141,21	
33+0,000	-	-			-	-	4,17	7,81	10,00	-	-	-	78,03	78,03	19,05	1.703,24	5.219,24	
34+0,000	-	-			-	-	5,00	9,17	10,00	-	-	-	91,69	91,69	19,05	1.703,24	5.310,93	
35+0,000	-	-			-	-	5,04	10,04	10,00	-	-	-	100,43	100,43	19,05	1.703,24	5.411,36	
36+0,000	-	-			0,09	0,09	6,21	11,25	10,00	-	-	0,94	112,44	113,38	19,05	1.704,18	5.523,80	
37+0,000	-	-			0,05	0,14	6,61	12,82	10,00	-	-	1,46	128,05	129,51	19,05	1.705,64	5.651,85	
38+0,000	-	-			0,60	0,65	7,34	13,95	10,00	-	-	6,50	139,42	145,92	19,05	1.712,14	5.791,27	
39+0,000	-	-			1,20	1,80	7,99	15,33	10,00	-	-	17,97	153,33	171,30	19,05	1.730,10	5.944,60	

Engenharia e Consultoria

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15:35:39 por AMANDA ARAUJO.



Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
40+0,000	-	-			1,91	3,11	8,42	16,41	10,00	-		31,09	164,16	195,25	19,05	1.761,19	6.108,76
41+0,000	-	-			1,06	2,97	8,37	16,79	10,00	-		29,67	167,91	197,58	19,05	1.790,86	6.276,67
42+0,000	-	-			0,02	1,08	7,20	15,57	10,00	-		10,78	155,70	166,48	19,05	1.801,64	6.432,37
43+0,000	-	-			-	0,02	4,37	11,57	10,00	-		0,22	115,72	115,94	19,05	1.801,86	6.548,05
44+0,000	0,02	0,02			-	-	1,33	5,70	10,00	0,20		-	56,99	56,99	19,25	1.801,86	6.605,08
45+0,000	1,53	1,55			-	-	-	1,33	10,00	15,53		-	13,25	13,25	34,78	1.801,86	6.618,33
46+0,000	3,75	5,28			-	-	-	-	10,00	52,85		-	-	-	87,63	1.801,86	6.618,33
47+0,000	5,44	9,19			-	-	-	-	10,00	91,91		-	-	-	179,54	1.801,86	6.618,33
48+0,000	5,98	11,42			-	-	-	-	10,00	114,21		-	-	-	293,75	1.801,86	6.618,33
49+0,000	4,68	10,66			-	-	-	-	10,00	106,66		-	-	-	400,41	1.801,86	6.618,33
50+0,000	1,87	6,55			-	-	0,03	0,03	10,00	65,49		-	0,29	0,29	465,90	1.801,86	6.618,62
51+0,000	0,85	2,72			-	-	0,55	0,58	10,00	27,19		-	5,76	5,76	493,09	1.801,86	6.624,38
52+0,000	0,26	1,11			-	-	3,52	4,07	10,00	11,11		-	40,70	40,70	504,20	1.801,86	6.665,08
53+0,000	-	0,26			0,54	0,54	7,02	10,54	10,00	2,58		5,37	105,43	110,80	506,78	1.807,23	6.770,51
54+0,000	-	-			4,61	5,15	7,92	14,94	10,00	-		51,42	149,43	200,85	506,78	1.858,65	6.919,94
54+1,504	-	-			4,87	9,48	7,98	15,90	0,75	-		7,13	11,96	19,09	506,78	1.865,78	6.931,90
54+5,000	-	-			5,38	10,25	8,09	16,07	1,75	-		17,92	28,09	46,01	506,78	1.883,70	6.959,99
54+10,000	-	-			5,76	11,14	8,36	16,45	2,50	-		27,84	41,13	68,97	506,78	1.911,54	7.001,12
54+15,000	-	-			6,45	12,21	8,60	16,96	2,50	-		30,53	42,39	72,92	506,78	1.942,07	7.043,51
55+0,000	-	-			7,44	13,89	8,84	17,44	2,50	-		34,72	43,62	78,34	506,78	1.976,79	7.087,13
55+3,937	-	-			8,41	15,85	9,02	17,86	1,97	-		31,21	35,17	66,38	506,78	2.008,00	7.122,30
55+5,000	-	-			8,51	16,92	9,09	18,11	0,53	-		8,99	9,62	18,61	506,78	2.016,99	7.131,92
55+10,000	-	-			8,96	17,47	9,29	18,38	2,50	-		43,67	45,95	89,62	506,78	2.060,66	7.177,87
55+15,000	-	-			9,62	18,58	9,37	18,66	2,50	-		46,44	46,65	93,09	506,78	2.107,10	7.224,52
56+0,000	-	-			10,50	20,12	9,49	18,86	2,50	-		50,30	47,14	97,44	506,78	2.157,40	7.271,66
56+5,000	-	-			11,52	22,02	9,63	19,12	2,50	-		55,04	47,80	102,84	506,78	2.212,44	7.319,46
56+6,370	-	-			11,69	23,21	9,71	19,34	0,68	-		15,90	13,26	29,16	506,78	2.228,34	7.332,72
57+0,000	-	-			14,12	25,81	10,27	19,98	6,82	-		175,91	136,12	312,03	506,78	2.404,25	7.468,84
58+0,000	-	-			17,35	31,47	10,77	21,04	10,00	-		314,63	210,42	525,05	506,78	2.718,88	7.679,26
59+0,000	-	-			19,42	36,77	10,98	21,75	10,00	-		367,62	217,57	585,19	506,78	3.086,50	7.896,83
60+0,000	-	-			19,43	38,85	11,86	22,84	10,00	-		388,42	228,48	616,90	506,78	3.474,91	8.125,31
61+0,000	-	-			17,54	36,97	12,32	24,18	10,00	-		369,70	241,75	611,45	506,78	3.844,61	8.367,06
62+0,000	-	-			10,48	28,02	10,34	22,66	10,00	-		280,25	226,54	506,79	506,78	4.124,86	8.593,60
63+0,000	-	-			3,32	13,80	8,69	19,03	10,00	-		137,98	190,31	328,29	506,78	4.262,84	8.783,91
64+0,000	7,64	7,64			0,04	3,36	5,76	14,45	10,00	76,35		33,57	144,51	178,08	583,13	4.296,41	8.928,42
65+0,000	4,69	12,33			0,87	0,91	6,10	11,86	10,00	123,27		9,12	118,61	127,73	706,40	4.305,52	9.047,03
66+0,000	-	4,69			4,46	5,33	8,08	14,18	10,00	46,91		53,36	141,75	195,11	753,31	4.358,89	9.188,78
67+0,000	-	-			9,59	14,05	9,60	17,68	10,00	-		140,54	176,72	317,26	753,31	4.499,43	9.365,50
68+0,000	-	-			12,58	22,17	10,03	19,63	10,00	-		221,67	196,25	417,92	753,31	4.721,10	9.561,75
68+7,938	-	-			13,00	25,58	10,24	20,27	3,97	-		101,51	80,43	181,94	753,31	4.822,61	9.642,18
68+10,000	-	-			13,16	26,16	10,52	20,76	1,03	-		26,96	21,41	48,37	753,31	4.849,57	9.663,55
68+15,000	-	-			13,89	27,05	10,61	21,13	2,50	-		67,62	52,84	120,46	753,31	4.917,19	9.716,43
69+0,000	-	-			14,29	28,18	10,51	21,12	2,50	-		70,47	52,79	123,26	753,31	4.987,66	9.769,22
69+4,980	-	-			14,18	28,47	10,39	20,90	2,49	-		70,89	52,03	122,92	753,31	5.058,55	9.821,25
69+5,000	-	-			14,17	28,35	10,39	20,78	0,01	-		0,29	0,21	0,50	753,31	5.058,84	9.821,46
69+10,000	-	-			13,28	27,45	10,22	20,61	2,50	-		68,64	51,52	120,16	753,31	5.127,49	9.872,98
69+15,000	-	-			12,38	25,66	10,05	20,27	2,50	-		64,16	50,65	114,81	753,31	5.191,64	9.923,63
70+0,000	-	-			11,47	23,85	9,87	19,92	2,50	-		59,61	49,80	109,41	753,31	5.251,26	9.973,43
70+2,021	-	-			11,09	22,56	9,81	19,68	1,01	-		22,80	19,89	42,69	753,31	5.274,06	9.993,32
71+0,000	-	-			8,53	19,62	9,35	19,16	8,99	-		176,39	172,21	348,60	753,31	5.450,45	10.165,53
72+0,000	-	-			6,01	14,54	8,56	17,91	10,00	-		145,36	179,20	324,56	753,31	5.595,81	10.344,73
73+0,000	-	-			3,37	9,38	8,37	16,93	10,00	-		93,79	169,31	263,10	753,31	5.689,61	10.514,04
74+0,000	-	-			0,60	3,97	7,65	16,02	10,00	-		39,69	160,15	199,84	753,31	5.729,30	10.674,19
75+0,000	-	-			0,08	0,68	7,27	14,92	10,00	-		6,75	149,26	156,01	753,31	5.736,04	10.823,45
76+0,000	-	-			-	0,08	6,34	13,61	10,00	-		0,77	136,22	136,99	753,31	5.736,81	10.959,67
77+0,000	-	-			-	-	6,13	12,47	10,00	-		-	124,77	124,77	753,31	5.736,81	11.084,44

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https://aquisicoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ3Y-38HZ-7N9A-8P-UT. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026. Juntado em 15/04/2026
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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
78+0,000	-	-			0,12	0,12	7,30	13,43	10,00	-		1,20	134,34	135,54	753,31	5.738,01	11.218,78
79+0,000	-	-			1,02	1,14	8,34	15,64	10,00	-		11,36	156,44	167,80	753,31	5.749,37	11.375,22
80+0,000	-	-			2,01	3,03	8,66	17,00	10,00	-		30,24	170,06	200,30	753,31	5.779,61	11.545,22
81+0,000	-	-			2,82	4,83	8,52	17,18	10,00	-		48,28	171,81	220,09	753,31	5.827,89	11.717,07
82+0,000	-	-			3,85	6,67	8,53	17,05	10,00	-		66,71	170,45	237,16	753,31	5.894,60	11.887,54
83+0,000	-	-			4,25	8,10	8,49	17,02	10,00	-		81,03	170,13	251,16	753,31	5.975,64	12.057,67
84+0,000	-	-			5,09	9,34	8,65	17,14	10,00	-		93,44	171,38	264,82	753,31	6.069,07	12.229,00
85+0,000	-	-			6,74	11,83	8,90	17,55	10,00	-		118,27	175,61	293,88	753,31	6.187,34	12.404,66
86+0,000	-	-			8,19	14,93	9,09	17,99	10,00	-		149,30	179,91	329,21	753,31	6.336,64	12.584,55
87+0,000	-	-			9,38	17,57	9,34	18,43	10,00	-		175,72	184,22	359,94	753,31	6.512,36	12.768,77
88+0,000	-	-			10,90	20,28	9,48	18,82	10,00	-		202,75	188,18	390,93	753,31	6.715,11	12.956,99
89+0,000	-	-			12,65	23,55	9,75	19,23	10,00	-		235,49	192,27	427,76	753,31	6.950,60	13.149,22
90+0,000	-	-			12,96	25,61	9,87	19,62	10,00	-		256,14	196,13	452,27	753,31	7.206,73	13.345,33
91+0,000	-	-			12,92	25,88	9,81	19,68	10,00	-		258,87	196,73	455,60	753,31	7.465,60	13.542,11
92+0,000	-	-			13,69	26,61	9,91	19,72	10,00	-		266,14	197,22	463,36	753,31	7.731,73	13.739,33
93+0,000	-	-			14,24	27,93	9,97	19,88	10,00	-		279,33	198,79	478,12	753,31	8.011,07	13.938,11
94+0,000	-	-			14,03	28,27	9,94	19,91	10,00	-		282,73	199,09	481,82	753,31	8.293,80	14.137,22
95+0,000	-	-			14,08	28,11	9,97	19,91	10,00	-		281,06	199,16	480,22	753,31	8.574,86	14.336,33
96+0,000	-	-			13,91	27,99	9,89	19,86	10,00	-		279,84	198,67	478,51	753,31	8.854,69	14.535,00
97+0,000	-	-			13,59	27,50	9,79	19,68	10,00	-		274,96	196,83	471,79	753,31	9.129,65	14.731,86
98+0,000	-	-			13,43	27,02	9,78	19,57	10,00	-		270,22	195,66	465,88	753,31	9.399,87	14.927,55
99+0,000	-	-			13,72	27,15	9,80	19,58	10,00	-		271,56	195,79	467,35	753,31	9.671,43	15.123,33
100+0,000	-	-			14,16	27,88	9,87	19,67	10,00	-		278,88	196,68	475,56	753,31	9.950,31	15.319,99
101+0,000	-	-			15,13	29,29	10,15	20,02	10,00	-		292,94	200,15	493,09	753,31	10.243,25	15.520,14
102+0,000	-	-			15,19	30,32	10,12	20,27	10,00	-		303,23	202,61	505,84	753,31	10.546,48	15.722,77
103+0,000	-	-			16,50	31,69	10,29	20,41	10,00	-		316,93	204,01	520,94	753,31	10.863,40	15.926,77
104+0,000	-	-			16,89	33,39	10,25	20,54	10,00	-		333,93	205,34	539,27	753,31	11.197,33	16.132,11
105+0,000	-	-			17,76	34,65	10,34	20,59	10,00	-		346,58	205,80	552,38	753,31	11.543,91	16.337,99
106+0,000	-	-			18,36	36,12	10,39	20,73	10,00	-		361,27	207,22	568,49	753,31	11.905,18	16.545,11
107+0,000	-	-			18,92	37,28	10,51	20,90	10,00	-		372,84	208,96	581,80	753,31	12.278,02	16.754,04
108+0,000	-	-			19,17	38,09	10,45	20,96	10,00	-		380,93	209,52	590,45	753,31	12.658,95	16.963,66
109+0,000	-	-			19,05	38,22	10,31	20,76	10,00	-		382,20	207,54	589,74	753,31	13.041,14	17.171,11
110+0,000	-	-			19,56	38,61	10,44	20,75	10,00	-		386,07	207,52	593,59	753,31	13.427,21	17.378,66
111+0,000	-	-			18,83	38,39	10,25	20,69	10,00	-		383,92	206,94	590,86	753,31	13.811,13	17.585,66
112+0,000	-	-			18,67	37,50	10,38	20,63	10,00	-		375,01	206,34	581,35	753,31	14.186,14	17.791,99
113+0,000	-	-			18,04	36,71	10,34	20,72	10,00	-		367,06	207,25	574,31	753,31	14.553,20	17.999,11
114+0,000	-	-			17,60	35,64	10,31	20,65	10,00	-		356,34	206,51	562,85	753,31	14.909,54	18.205,77
115+0,000	-	-			16,60	34,20	10,09	20,40	10,00	-		341,99	203,94	545,93	753,31	15.251,52	18.409,66
116+0,000	-	-			15,52	32,12	9,93	20,02	10,00	-		321,19	200,16	521,35	753,31	15.572,71	18.609,88
117+0,000	-	-			14,35	29,87	9,74	19,67	10,00	-		298,69	196,72	495,41	753,31	15.871,40	18.806,55
118+0,000	-	-			13,11	27,46	9,62	19,36	10,00	-		274,67	193,54	468,21	753,31	16.146,07	19.000,00
119+0,000	-	-			12,21	25,32	9,36	18,98	10,00	-		253,22	189,73	442,95	753,31	16.399,30	19.189,77
120+0,000	-	-			11,06	23,27	9,05	18,41	10,00	-		232,65	184,12	416,77	753,31	16.631,95	19.373,99
121+0,000	-	-			10,00	21,06	8,98	18,03	10,00	-		210,56	180,30	390,86	753,31	16.842,51	19.554,22
122+0,000	-	-			9,32	19,32	8,93	17,91	10,00	-		193,23	179,03	372,26	753,31	17.035,74	19.733,24
123+0,000	-	-			8,40	17,72	8,85	17,78	10,00	-		177,26	177,74	355,00	753,31	17.213,01	19.910,99
124+0,000	-	-			7,55	15,95	8,71	17,56	10,00	-		159,51	175,63	335,14	753,31	17.372,52	20.086,66
125+0,000	-	-			7,10	14,65	8,93	17,64	10,00	-		146,45	176,45	322,90	753,31	17.518,96	20.263,00
126+0,000	-	-			6,67	13,77	8,70	17,63	10,00	-		137,63	176,32	313,95	753,31	17.656,59	20.439,33
127+0,000	-	-			6,25	12,92	8,72	17,42	10,00	-		129,21	174,19	303,40	753,31	17.785,81	20.613,55
128+0,000	-	-			4,39	10,64	8,74	17,46	10,00	-		106,45	174,56	281,01	753,31	17.892,25	20.788,11
129+0,000	-	-			3,23	7,62	8,64	17,38	10,00	-		76,17	173,83	250,00	753,31	17.968,43	20.961,99
130+0,000	-	-			2,78	6,01	8,28	16,92	10,00	-		60,04	169,30	229,34	753,31	18.028,46	21.131,22
131+0,000	-	-			3,21	5,99	8,15	16,43	10,00	-		59,91	164,29	224,20	753,31	18.088,37	21.295,55
131+16,741	-	-			3,82	7,03	8,09	16,24	8,37	-		58,86	135,91	194,77	753,31	18.147,24	21.431,44
132+0,000	-	-			3,97	7,79	8,10	16,19	1,63	-		12,69	26,39	39,08	753,31	18.159,92	21.457,89

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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
										Corte		Aterro		Corte		Aterro	
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			1ª Cat.		2ª Cat.		Corpo		Acabam.	
EIXO - MT 208																	
132+5,000	-	-			4,14	8,11	8,12	16,22	2,50	-		20,27	40,56	60,83	753,31	18.180,20	21.498,41
132+10,000	-	-			4,42	8,56	8,20	16,32	2,50	-		21,40	40,80	62,20	753,31	18.201,59	21.539,21
132+15,000	-	-			4,54	8,96	8,34	16,54	2,50	-		22,40	41,35	63,75	753,31	18.223,99	21.580,56
133+0,000	-	-			4,16	8,70	8,52	16,86	2,50	-		21,76	42,14	63,90	753,31	18.245,75	21.622,70
133+5,000	-	-			3,97	8,13	8,03	16,55	2,50	-		20,34	41,35	61,69	753,31	18.266,09	21.664,05
133+10,000	-	-			3,96	7,93	7,80	15,83	2,50	-		19,84	39,56	59,40	753,31	18.285,93	21.703,61
133+15,000	-	-			3,91	7,87	7,95	15,75	2,50	-		19,66	39,38	59,04	753,31	18.305,59	21.742,99
134+0,000	-	-			3,63	7,54	8,15	16,10	2,50	-		18,85	40,23	59,08	753,31	18.324,44	21.783,22
134+5,000	-	-			3,22	6,85	8,24	16,39	2,50	-		17,13	40,95	58,08	753,31	18.341,56	21.824,17
134+10,000	-	-			2,82	6,04	8,12	16,36	2,50	-		15,09	40,89	55,98	753,31	18.356,66	21.865,06
134+15,000	-	-			2,30	5,12	8,03	16,15	2,50	-		12,79	40,39	53,18	753,31	18.369,44	21.905,45
135+0,000	-	-			1,78	4,08	7,99	16,02	2,50	-		10,18	40,07	50,25	753,31	18.379,62	21.945,52
135+5,000	-	-			1,19	2,97	7,92	15,91	2,50	-		7,42	39,76	47,18	753,31	18.387,04	21.985,28
135+10,000	-	-			0,72	1,91	7,96	15,88	2,50	-		4,77	39,70	44,47	753,31	18.391,82	22.024,98
135+15,000	-	-			0,60	1,32	7,74	15,70	2,50	-		3,29	39,27	42,56	753,31	18.395,10	22.064,25
136+0,000	-	-			0,64	1,24	7,45	15,19	2,50	-		3,09	38,00	41,09	753,31	18.398,19	22.102,25
136+5,000	-	-			0,78	1,42	7,16	14,61	2,50	-		3,55	36,54	40,09	753,31	18.401,74	22.138,79
136+10,000	-	-			0,89	1,67	7,05	14,21	2,50	-		4,18	35,54	39,72	753,31	18.405,92	22.174,33
136+15,000	-	-			0,86	1,75	7,03	14,08	2,50	-		4,38	35,20	39,58	753,31	18.410,29	22.209,53
136+16,741	-	-			0,84	1,70	7,02	14,05	0,87	-		1,48	12,22	13,70	753,31	18.411,77	22.221,75
137+0,000	-	-			0,76	1,60	7,03	14,05	1,63	-		2,60	22,90	25,50	753,31	18.414,37	22.244,65
137+5,000	-	-			0,59	1,35	7,03	14,06	2,50	-		3,37	35,17	38,54	753,31	18.417,75	22.279,82
137+10,000	-	-			0,33	0,92	6,18	13,21	2,50	-		2,30	33,04	35,34	753,31	18.420,05	22.312,86
137+15,000	-	-			0,32	0,65	6,05	12,23	2,50	-		1,62	30,58	32,20	753,31	18.421,67	22.343,44
138+0,000	-	-			0,32	0,64	5,91	11,96	2,50	-		1,61	29,90	31,51	753,31	18.423,28	22.373,34
138+5,000	-	-			0,33	0,65	5,76	11,67	2,50	-		1,62	29,19	30,81	753,31	18.424,90	22.402,53
138+7,964	-	-			0,33	0,66	5,67	11,43	1,48	-		0,98	16,95	17,93	753,31	18.425,88	22.419,48
138+10,000	-	-			0,31	0,64	5,61	11,28	1,02	-		0,66	11,48	12,14	753,31	18.426,54	22.430,96
138+15,000	-	-			0,27	0,58	5,50	11,11	2,50	-		1,47	27,76	29,23	753,31	18.428,01	22.458,72
139+0,000	-	-			0,24	0,51	5,41	10,91	2,50	-		1,30	27,26	28,56	753,31	18.429,30	22.485,98
139+5,000	-	-			0,22	0,46	5,39	10,80	2,50	-		1,16	27,00	28,16	753,31	18.430,46	22.512,98
139+10,000	-	-			0,22	0,44	5,51	10,90	2,50	-		1,11	27,25	28,36	753,31	18.431,57	22.540,23
139+15,000	-	-			0,28	0,50	5,78	11,29	2,50	-		1,26	28,21	29,47	753,31	18.432,83	22.568,44
139+19,187	-	-			0,35	0,63	6,02	11,80	2,09	-		1,32	24,69	26,01	753,31	18.434,15	22.593,13
140+0,000	-	-			0,36	0,71	6,07	12,09	0,41	-		0,29	4,92	5,21	753,31	18.434,44	22.598,05
140+5,000	-	-			0,48	0,84	6,36	12,43	2,50	-		2,10	31,09	33,19	753,31	18.436,54	22.629,14
140+10,000	-	-			0,57	1,05	6,46	12,82	2,50	-		2,63	32,04	34,67	753,31	18.439,16	22.661,18
140+15,000	-	-			0,61	1,18	6,53	12,99	2,50	-		2,95	32,46	35,41	753,31	18.442,12	22.693,64
141+0,000	0,01	0,01			0,65	1,26	6,72	13,25	2,50	0,01		3,15	33,13	36,28	753,32	18.445,27	22.726,77
141+5,000	-	0,01			0,69	1,34	6,99	13,71	2,50	0,01		3,35	34,29	37,64	753,33	18.448,62	22.761,06
141+10,000	-	-			0,76	1,45	7,28	14,27	2,50	-		3,62	35,68	39,30	753,33	18.452,24	22.796,74
141+15,000	-	-			0,94	1,70	7,31	14,59	2,50	-		4,26	36,46	40,72	753,33	18.456,50	22.833,20
142+0,000	-	-			1,16	2,10	7,34	14,65	2,50	-		5,27	36,62	41,89	753,33	18.461,76	22.869,82
142+5,000	-	-			1,46	2,62	7,47	14,81	2,50	-		6,56	37,02	43,58	753,33	18.468,32	22.906,84
142+10,000	-	-			2,02	3,48	7,65	15,12	2,50	-		8,70	37,80	46,50	753,33	18.477,03	22.944,64
142+15,000	-	-			3,17	5,19	7,86	15,51	2,50	-		12,97	38,78	51,75	753,33	18.490,00	22.983,42
143+0,000	-	-			4,56	7,73	8,01	15,87	2,50	-		19,32	39,68	59,00	753,33	18.509,32	23.023,10
143+5,000	-	-			6,11	10,67	8,21	16,22	2,50	-		26,68	40,54	67,22	753,33	18.536,00	23.063,64
143+10,000	-	-			8,84	14,95	8,49	16,70	2,50	-		37,37	41,73	79,10	753,33	18.573,36	23.105,37
143+15,000	-	-			9,99	18,83	8,85	17,34	2,50	-		47,07	43,33	90,40	753,33	18.620,43	23.148,70
144+0,000	-	-			11,33	21,32	9,24	18,09	2,50	-		53,29	45,22	98,51	753,33	18.673,72	23.193,92
144+5,000	-	-			12,89	24,22	9,66	18,90	2,50	-		60,54	47,27	107,81	753,33	18.734,26	23.241,19
144+10,000	-	-			14,75	27,64	10,16	19,82	2,50	-		69,10	49,57	118,67	753,33	18.803,36	23.290,76
144+15,000	-	-			15,62	30,37	10,59	20,75	2,50	-		75,95	51,86	127,81	753,33	18.879,31	23.342,62
144+19,187	-	-			16,51	32,13	10,96	21,55	2,09	-		67,27	45,11	112,38	753,33	18.946,58	23.387,73
145+0,000	-	-			16,70	33,21	11,03	21,99	0,41	-		13,50	8,94	22,44	753,33	18.960,08	23.396,08

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SINFRA-PRO-2026/06335-17A

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Cálculo de Volumes Segmento 11,60M - 13,644km																		
Estaca	Áreas								Semi-distância	Volumes								
	Corte				Aterro					Parcial					Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro			Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.	
EIXO - MT 208																		
146+0,000	-	-			18,50	35,20	11,48	22,51	10,00	-	-	351,98	225,17	577,15	753,33	19.312,05	23.621,84	
147+0,000	-	-			15,37	33,87	10,38	21,86	10,00	-	-	338,69	218,63	557,32	753,33	19.650,75	23.840,44	
148+0,000	-	-			13,36	28,73	9,57	19,95	10,00	-	-	287,33	199,50	486,83	753,33	19.938,08	24.039,99	
148+14,794	-	-			14,36	27,72	9,90	19,47	7,40	-	-	205,06	144,05	349,11	753,33	20.143,13	24.184,01	
148+15,000	-	-			14,39	28,75	9,91	19,81	0,10	-	-	2,96	2,05	5,01	753,33	20.146,10	24.186,01	
149+0,000	-	-			15,24	29,63	10,35	20,26	2,50	-	-	74,08	50,64	124,72	753,33	20.220,17	24.236,77	
149+5,000	-	-			16,64	31,88	10,81	21,16	2,50	-	-	79,69	52,92	132,61	753,33	20.299,87	24.289,66	
149+10,000	-	-			16,92	33,56	10,83	21,64	2,50	-	-	83,89	54,12	138,01	753,33	20.383,76	24.343,77	
149+15,000	-	-			14,43	31,35	10,52	21,35	2,50	-	-	78,37	53,36	131,73	753,33	20.462,13	24.397,11	
150+0,000	-	-			11,87	26,30	10,26	20,78	2,50	-	-	65,75	51,95	117,70	753,33	20.527,88	24.449,09	
150+5,000	-	-			9,32	21,19	9,95	20,21	2,50	-	-	52,98	50,54	103,52	753,33	20.580,86	24.499,66	
150+10,000	-	-			5,99	15,31	9,50	19,45	2,50	-	-	38,26	48,65	86,91	753,33	20.619,13	24.548,22	
150+15,000	-	-			1,93	7,92	8,25	17,75	2,50	-	-	19,81	44,36	64,17	753,33	20.638,94	24.592,66	
151+0,000	-	-			0,15	2,08	5,13	13,38	2,50	-	-	5,22	33,42	38,64	753,33	20.644,15	24.626,06	
151+5,000	0,51	0,51			-	0,15	1,29	6,42	2,50	1,28	-	0,38	16,05	16,43	754,61	20.644,54	24.642,07	
151+10,000	2,70	3,21			-	-	0,03	1,32	2,50	8,04	-	-	3,30	3,30	762,65	20.644,54	24.645,33	
151+15,000	4,73	7,43			-	-	-	0,03	2,50	18,59	-	-	0,07	0,07	781,24	20.644,54	24.645,44	
152+0,000	6,85	11,58			-	-	-	-	2,50	28,95	-	-	-	-	810,19	20.644,54	24.645,44	
152+5,000	9,05	15,90			-	-	-	-	2,50	39,75	-	-	-	-	849,94	20.644,54	24.645,44	
152+10,000	13,91	22,96			-	-	-	-	2,50	57,42	-	-	-	-	907,36	20.644,54	24.645,44	
152+15,000	12,24	26,15			-	-	-	-	2,50	65,38	-	-	-	-	972,74	20.644,54	24.645,44	
153+0,000	11,11	23,35			-	-	-	-	2,50	58,38	-	-	-	-	1.031,12	20.644,54	24.645,44	
153+0,331	11,06	22,17			-	-	-	-	0,17	3,67	-	-	-	-	1.034,79	20.644,54	24.645,44	
153+5,000	10,54	21,60			-	-	-	-	2,33	50,42	-	-	-	-	1.085,21	20.644,54	24.645,44	
153+10,000	12,71	23,25			-	-	-	-	2,50	58,11	-	-	-	-	1.143,32	20.644,54	24.645,44	
153+15,000	7,82	20,53			-	-	-	-	2,50	51,31	-	-	-	-	1.194,63	20.644,54	24.645,44	
154+0,000	3,21	11,03			-	-	0,03	0,03	2,50	27,57	-	-	0,08	0,08	1.222,20	20.644,54	24.645,55	
154+5,000	0,46	3,67			-	-	1,86	1,89	2,50	9,18	-	-	4,72	4,72	1.231,38	20.644,54	24.650,27	
154+10,000	-	0,46			0,17	0,17	6,00	7,86	2,50	1,16	-	0,43	19,64	20,07	1.232,54	20.644,97	24.669,88	
154+15,000	-	-			2,14	2,31	8,77	14,77	2,50	-	-	5,77	36,94	42,71	1.232,54	20.650,74	24.706,83	
155+0,000	-	-			6,43	8,57	9,35	18,12	2,50	-	-	21,43	45,31	66,74	1.232,54	20.672,17	24.752,14	
155+5,000	-	-			10,91	17,34	9,88	19,23	2,50	-	-	43,34	48,08	91,42	1.232,54	20.715,51	24.800,22	
155+10,000	-	-			14,71	25,62	10,29	20,17	2,50	-	-	64,04	50,42	114,46	1.232,54	20.779,55	24.850,66	
155+15,000	-	-			16,52	31,23	10,53	20,82	2,50	-	-	78,08	52,03	130,11	1.232,54	20.857,63	24.902,66	
156+0,000	-	-			17,81	34,33	10,78	21,31	2,50	-	-	85,83	53,27	139,10	1.232,54	20.943,46	24.955,99	
156+5,000	-	-			18,68	36,49	11,03	21,81	2,50	-	-	91,23	54,52	145,75	1.232,54	21.034,68	25.010,44	
156+10,000	-	-			17,44	36,12	11,11	22,14	2,50	-	-	90,29	55,36	145,65	1.232,54	21.124,97	25.065,88	
156+15,000	-	-			15,74	33,18	10,79	21,90	2,50	-	-	82,94	54,75	137,69	1.232,54	21.207,91	25.120,55	
157+0,000	-	-			13,68	29,42	10,41	21,20	2,50	-	-	73,54	52,99	126,53	1.232,54	21.281,45	25.173,55	
157+5,000	-	-			11,58	25,26	10,02	20,43	2,50	-	-	63,14	51,07	114,21	1.232,54	21.344,59	25.224,66	
157+5,869	-	-			11,21	22,79	9,95	19,97	0,43	-	-	9,90	8,67	18,57	1.232,54	21.354,49	25.233,33	
158+0,000	-	-			6,98	18,19	9,80	19,75	7,07	-	-	128,56	139,51	268,07	1.232,54	21.483,05	25.372,81	
158+2,940	-	-			6,12	13,10	9,79	19,59	1,47	-	-	19,27	28,78	48,05	1.232,54	21.502,32	25.401,55	
158+5,000	-	-			5,55	11,67	9,73	19,52	1,03	-	-	12,03	20,09	32,12	1.232,54	21.514,35	25.421,66	
158+10,000	-	-			4,32	9,87	9,45	19,18	2,50	-	-	24,68	47,95	72,63	1.232,54	21.539,03	25.469,66	
158+15,000	-	-			3,34	7,66	9,14	18,59	2,50	-	-	19,14	46,50	65,64	1.232,54	21.558,17	25.516,13	
159+0,000	-	-			2,47	5,81	8,86	18,00	2,50	-	-	14,53	45,00	59,53	1.232,54	21.572,70	25.561,13	
159+5,000	-	-			1,73	4,20	8,52	17,38	2,50	-	-	10,52	43,43	53,95	1.232,54	21.583,21	25.604,55	
159+10,000	1,79	1,79			1,40	3,13	7,38	15,90	2,50	4,48	-	7,84	39,74	47,58	1.237,02	21.591,05	25.644,33	
159+15,000	1,56	3,35			1,86	3,26	7,68	15,06	2,50	8,37	-	8,15	37,64	45,79	1.245,39	21.599,21	25.681,99	
160+0,000	1,14	2,70			2,40	4,26	8,01	15,69	2,50	6,73	-	10,64	39,23	49,87	1.252,12	21.609,85	25.721,17	
160+5,000	0,82	1,96			3,06	5,46	8,36	16,37	2,50	4,89	-	13,66	40,92	54,58	1.257,01	21.623,51	25.762,09	
160+10,000	3,62	4,44			3,89	6,95	8,61	16,97	2,50	11,09	-	17,37	42,44	59,81	1.268,10	21.640,88	25.804,55	
160+15,000	3,51	7,13			4,86	8,75	9,07	17,68	2,50	17,82	-	21,87	44,22	66,09	1.285,92	21.662,74	25.848,77	
161+0,000	3,21	6,72			5,99	10,85	9,30	18,37	2,50	16,80	-	27,12	45,94	73,06	1.302,72	21.689,86	25.894,66	
161+5,000	2,83	6,04			7,16	13,15	9,37	18,67	2,50	15,09	-	32,88	46,68	79,56	1.317,81	21.722,74	25.941,33	

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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte	Aterro		
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
161+10,000	0,79	3,62			7,86	15,02	9,56	18,93	2,50	9,03		37,56	47,31	84,87	1.326,84	21.760,30	25.988,68
161+15,000	-	0,79			7,60	15,46	9,74	19,30	2,50	1,97		38,64	48,24	86,88	1.328,81	21.798,94	26.036,92
162+0,000	-	-			7,76	15,36	9,81	19,55	2,50	-		38,39	48,87	87,26	1.328,81	21.837,33	26.085,79
162+5,000	-	-			8,14	15,90	9,75	19,56	2,50	-		39,73	48,92	88,65	1.328,81	21.877,06	26.134,71
162+10,000	-	-			8,41	16,55	9,74	19,49	2,50	-		41,37	48,73	90,10	1.328,81	21.918,43	26.183,44
162+15,000	-	-			8,10	16,51	9,53	19,27	2,50	-		41,29	48,16	89,45	1.328,81	21.959,71	26.231,60
163+0,000	-	-			7,71	15,81	9,32	18,85	2,50	-		39,53	47,12	86,65	1.328,81	21.999,25	26.278,72
163+5,000	-	-			7,34	15,05	9,02	18,34	2,50	-		37,61	45,85	83,46	1.328,81	22.036,86	26.324,57
163+10,000	-	-			6,96	14,30	8,89	17,91	2,50	-		35,74	44,79	80,53	1.328,81	22.072,60	26.369,36
163+12,940	-	-			6,86	13,82	8,74	17,63	1,47	-		20,32	25,91	46,23	1.328,81	22.092,92	26.395,27
163+15,000	-	-			6,68	13,54	8,65	17,39	1,03	-		13,95	17,91	31,86	1.328,81	22.106,88	26.413,18
164+0,000	-	-			6,14	12,82	8,46	17,11	2,50	-		32,07	42,76	74,83	1.328,81	22.138,95	26.455,94
164+5,000	-	-			5,48	11,62	8,72	17,18	2,50	-		29,06	42,95	72,01	1.328,81	22.168,01	26.498,89
164+10,000	-	-			5,31	10,79	8,86	17,58	2,50	-		26,97	43,96	70,93	1.328,81	22.194,99	26.542,85
164+15,000	-	-			5,32	10,63	8,84	17,70	2,50	-		26,56	44,25	70,81	1.328,81	22.221,55	26.587,10
165+0,000	-	-			5,19	10,51	8,83	17,67	2,50	-		26,27	44,18	70,45	1.328,81	22.247,82	26.631,28
165+5,000	-	-			4,95	10,14	8,83	17,66	2,50	-		25,37	44,14	69,51	1.328,81	22.273,19	26.675,42
165+10,000	-	-			4,69	9,64	8,76	17,59	2,50	-		24,10	43,98	68,08	1.328,81	22.297,28	26.719,40
165+15,000	-	-			4,79	9,48	8,70	17,46	2,50	-		23,70	43,65	67,35	1.328,81	22.320,98	26.763,05
166+0,000	-	-			4,81	9,60	8,64	17,34	2,50	-		24,02	43,31	67,33	1.328,81	22.345,00	26.806,36
166+5,000	-	-			4,76	9,57	8,58	17,22	2,50	-		23,94	43,02	66,96	1.328,81	22.368,94	26.849,38
166+10,000	-	-			4,75	9,51	8,58	17,16	2,50	-		23,78	42,89	66,67	1.328,81	22.392,72	26.892,27
166+15,000	-	-			4,74	9,49	8,58	17,16	2,50	-		23,73	42,89	66,62	1.328,81	22.416,44	26.935,16
167+0,000	-	-			4,66	9,40	8,47	17,05	2,50	-		23,51	42,61	66,12	1.328,81	22.439,95	26.977,77
167+5,000	-	-			4,53	9,19	8,28	16,75	2,50	-		22,98	41,87	64,85	1.328,81	22.462,94	27.019,64
167+10,000	-	-			4,52	9,05	8,24	16,52	2,50	-		22,62	41,30	63,92	1.328,81	22.485,56	27.060,94
167+15,000	-	-			4,86	9,38	8,59	16,83	2,50	-		23,44	42,08	65,52	1.328,81	22.509,00	27.103,02
168+0,000	-	-			5,34	10,20	8,91	17,50	2,50	-		25,49	43,76	69,25	1.328,81	22.534,49	27.146,78
168+5,000	-	-			6,00	11,34	9,08	17,99	2,50	-		28,35	44,99	73,34	1.328,81	22.562,84	27.191,77
168+10,000	-	-			6,75	12,75	9,14	18,22	2,50	-		31,89	45,53	77,42	1.328,81	22.594,72	27.237,30
168+15,000	-	-			7,06	13,81	9,18	18,32	2,50	-		34,54	45,76	80,30	1.328,81	22.629,26	27.283,06
169+0,000	-	-			7,32	14,38	9,18	18,36	2,50	-		35,94	45,90	81,84	1.328,81	22.665,20	27.328,96
169+5,000	-	-			7,52	14,84	9,19	18,37	2,50	-		37,09	45,93	83,02	1.328,81	22.702,29	27.374,89
169+10,000	-	-			7,69	15,21	9,21	18,40	2,50	-		38,02	46,00	84,02	1.328,81	22.740,31	27.420,89
169+15,000	-	-			7,88	15,57	9,24	18,45	2,50	-		38,92	46,14	85,06	1.328,81	22.779,22	27.467,03
170+0,000	-	-			8,06	15,94	9,27	18,51	2,50	-		39,85	46,29	86,14	1.328,81	22.819,07	27.513,32
170+5,000	-	-			8,23	16,29	9,27	18,54	2,50	-		40,73	46,36	87,09	1.328,81	22.859,81	27.559,68
170+10,000	-	-			8,38	16,61	9,23	18,50	2,50	-		41,52	46,27	87,79	1.328,81	22.901,33	27.605,95
170+15,000	-	-			8,56	16,94	9,28	18,51	2,50	-		42,35	46,28	88,63	1.328,81	22.943,68	27.652,23
171+0,000	-	-			8,75	17,31	9,30	18,58	2,50	-		43,29	46,44	89,73	1.328,81	22.986,97	27.698,67
171+2,807	-	-			8,86	17,61	9,31	18,61	1,40	-		24,71	26,14	50,85	1.328,81	23.011,69	27.724,81
171+5,000	-	-			8,93	17,79	9,33	18,64	1,10	-		19,51	20,43	39,94	1.328,81	23.031,19	27.745,24
171+10,000	-	-			8,76	17,69	9,33	18,66	2,50	-		44,24	46,63	90,87	1.328,81	23.075,43	27.791,87
171+15,000	-	-			7,02	15,78	9,09	18,42	2,50	-		39,45	46,06	85,51	1.328,81	23.114,89	27.837,93
172+0,000	-	-			5,57	12,59	8,87	17,96	2,50	-		31,48	44,90	76,38	1.328,81	23.146,37	27.882,83
172+5,000	-	-			4,68	10,25	8,51	17,38	2,50	-		25,63	43,44	69,07	1.328,81	23.172,00	27.926,27
172+10,000	-	-			4,65	9,33	8,24	16,75	2,50	-		23,31	41,90	65,21	1.328,81	23.195,31	27.968,17
172+15,000	-	-			5,74	10,39	8,55	16,79	2,50	-		25,97	41,98	67,95	1.328,81	23.221,28	28.010,15
173+0,000	-	-			6,76	12,50	8,67	17,22	2,50	-		31,26	43,03	74,29	1.328,81	23.252,54	28.053,18
173+5,000	-	-			7,52	14,28	8,70	17,37	2,50	-		35,72	43,40	79,12	1.328,81	23.288,26	28.096,58
173+10,000	-	-			7,91	15,43	8,78	17,48	2,50	-		38,58	43,70	82,28	1.328,81	23.326,84	28.140,28
173+15,000	-	-			7,97	15,88	8,90	17,68	2,50	-		39,70	44,21	83,91	1.328,81	23.366,54	28.184,49
174+0,000	-	-			8,22	16,19	9,10	18,00	2,50	-		40,49	44,99	85,48	1.328,81	23.407,03	28.229,48
174+5,000	-	-			8,61	16,83	9,28	18,38	2,50	-		42,09	45,92	88,01	1.328,81	23.449,12	28.275,40
174+10,000	-	-			9,09	17,70	9,42	18,70	2,50	-		44,27	46,72	90,99	1.328,81	23.493,39	28.322,12
174+15,000	-	-			9,18	18,27	9,31	18,73	2,50	-		45,69	46,80	92,49	1.328,81	23.539,08	28.368,92

Engenharia e Consultoria

HASH: aaaa1b083cbda3191e09b79c9d423765274868d57ce75101969766c21761d937. Documento assinado digitalmente, valide em <https://aquissicoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ3Y-38HZ-7N8A-8P-U7>. Assinado por AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026 às 15:35:39 por AMANDA ARAUJO.



SINFRA-PRO-2026/06335-17A



65 9 9324.5005
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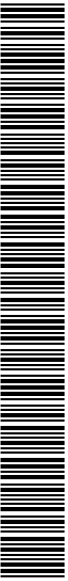
Av. José Estêvão Torquato da Silva, 1225
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dunamis
Engenharia e Consultoria

HASH: aaaa1b083cbda3191e09b79c5d423765274868d57ce75101969766c21761d937. Documento assinado digitalmente, valide em
https://aquisscoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ3Y-38HZ-7N8A-8P-U7. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026. Juntado em 15/04/2026
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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
175+0,000	-	-			9,23	18,41	9,18	18,49	2,50	-		46,03	46,21	92,24	1.328,81	23.585,11	28.415,13
175+5,000	-	-			9,26	18,49	9,03	18,21	2,50	-		46,22	45,53	91,75	1.328,81	23.631,33	28.460,66
175+10,000	-	-			8,16	17,42	8,86	17,89	2,50	-		43,54	44,73	88,27	1.328,81	23.674,88	28.505,33
175+15,000	-	-			8,28	16,44	8,83	17,69	2,50	-		41,11	44,22	85,33	1.328,81	23.715,99	28.549,61
176+0,000	-	-			8,53	16,81	8,84	17,67	2,50	-		42,05	44,15	86,20	1.328,81	23.758,04	28.593,77
176+5,000	-	-			8,76	17,29	8,83	17,67	2,50	-		43,24	44,16	87,40	1.328,81	23.801,28	28.637,99
176+10,000	-	-			8,57	17,33	8,71	17,54	2,50	-		43,34	43,85	87,19	1.328,81	23.844,62	28.681,77
176+15,000	-	-			10,49	19,06	9,08	17,79	2,50	-		47,66	44,48	92,14	1.328,81	23.892,28	28.726,22
177+0,000	-	-			10,56	21,05	8,96	18,04	2,50	-		52,62	45,11	97,73	1.328,81	23.944,91	28.771,33
177+5,000	-	-			10,34	20,90	8,77	17,73	2,50	-		52,23	44,35	96,58	1.328,81	23.997,14	28.815,77
177+10,000	-	-			9,78	20,12	8,71	17,48	2,50	-		50,28	43,73	94,01	1.328,81	24.047,42	28.859,44
177+15,000	-	-			9,94	19,72	8,87	17,58	2,50	-		49,30	43,97	93,27	1.328,81	24.096,72	28.903,44
178+0,000	-	-			10,25	20,19	8,82	17,69	2,50	-		50,49	44,23	94,72	1.328,81	24.147,21	28.947,66
178+5,000	-	-			10,39	20,64	8,78	17,60	2,50	-		51,61	43,99	95,60	1.328,81	24.198,82	28.991,66
178+10,000	-	-			10,39	20,78	8,73	17,51	2,50	-		51,95	43,75	95,70	1.328,81	24.250,77	29.035,38
178+12,674	-	-			10,05	20,44	8,86	17,59	1,34	-		27,33	23,52	50,85	1.328,81	24.278,10	29.058,99
178+15,000	-	-			9,81	19,86	9,04	17,90	1,16	-		23,09	20,81	43,90	1.328,81	24.301,20	29.079,77
179+0,000	-	-			9,64	19,45	9,14	18,18	2,50	-		48,62	45,44	94,06	1.328,81	24.349,81	29.125,15
179+5,000	-	-			9,73	19,37	9,04	18,18	2,50	-		48,41	45,45	93,86	1.328,81	24.398,22	29.170,66
179+10,000	-	-			9,61	19,34	8,89	17,93	2,50	-		48,33	44,85	93,18	1.328,81	24.446,55	29.215,44
179+15,000	-	-			9,84	19,45	8,84	17,73	2,50	-		48,62	44,33	92,95	1.328,81	24.495,18	29.259,77
180+0,000	-	-			10,14	19,98	8,77	17,61	2,50	-		49,96	44,00	93,96	1.328,81	24.545,13	29.303,77
180+5,000	-	-			10,36	20,50	8,69	17,46	2,50	-		51,25	43,66	94,91	1.328,81	24.596,38	29.347,44
180+10,000	-	-			10,50	20,86	8,62	17,31	2,50	-		52,14	43,30	95,44	1.328,81	24.648,52	29.390,77
180+15,000	-	-			10,65	21,15	8,75	17,37	2,50	-		52,87	43,42	96,29	1.328,81	24.701,39	29.434,16
181+0,000	-	-			10,76	21,41	8,84	17,59	2,50	-		53,53	43,96	97,49	1.328,81	24.754,92	29.478,12
181+5,000	-	-			10,78	21,54	8,93	17,77	2,50	-		53,86	44,42	98,28	1.328,81	24.808,78	29.522,54
181+10,000	-	-			10,72	21,50	9,01	17,94	2,50	-		53,75	44,84	98,59	1.328,81	24.862,53	29.567,38
181+15,000	-	-			11,40	22,12	9,07	18,08	2,50	-		55,30	45,19	100,49	1.328,81	24.917,83	29.612,55
182+0,000	-	-			12,48	23,88	9,15	18,22	2,50	-		59,72	45,52	105,24	1.328,81	24.977,55	29.658,09
182+5,000	-	-			13,96	26,44	9,23	18,38	2,50	-		66,11	45,92	112,03	1.328,81	25.043,65	29.704,01
182+10,000	-	-			15,83	29,79	9,50	18,73	2,50	-		74,48	46,82	121,30	1.328,81	25.118,13	29.750,83
182+15,000	-	-			19,33	35,16	9,31	18,81	2,50	-		87,90	47,02	134,92	1.328,81	25.206,03	29.797,85
183+0,000	-	-			20,02	39,35	9,83	19,14	2,50	-		98,37	47,84	146,21	1.328,81	25.304,40	29.845,69
183+5,000	-	-			20,08	40,10	9,84	19,67	2,50	-		100,25	49,15	149,40	1.328,81	25.404,65	29.894,84
183+10,000	-	-			19,93	40,01	9,82	19,66	2,50	-		100,01	49,14	149,15	1.328,81	25.504,66	29.943,99
183+15,000	-	-			20,60	40,53	9,87	19,69	2,50	-		101,31	49,22	150,53	1.328,81	25.605,97	29.993,22
184+0,000	-	-			21,22	41,82	9,92	19,79	2,50	-		104,56	49,47	154,03	1.328,81	25.710,53	30.042,66
184+2,674	-	-			21,55	42,77	9,96	19,88	1,34	-		57,19	26,59	83,78	1.328,81	25.767,72	30.069,22
185+0,000	-	-			21,99	43,54	10,20	20,16	8,66	-		377,16	174,65	551,81	1.328,81	26.144,88	30.243,91
186+0,000	-	-			23,51	45,50	10,40	20,60	10,00	-		455,02	206,00	661,02	1.328,81	26.599,90	30.449,91
187+0,000	-	-			24,63	48,14	10,72	21,12	10,00	-		481,39	211,24	692,63	1.328,81	27.081,29	30.661,15
187+17,652	-	-			23,16	47,79	11,07	21,79	8,83	-		421,78	192,31	614,09	1.328,81	27.503,07	30.853,44
188+0,000	-	-			22,78	45,94	11,03	22,10	1,17	-		53,93	25,95	79,88	1.328,81	27.557,00	30.879,41
188+5,000	-	-			22,26	45,04	10,96	21,99	2,50	-		112,58	54,99	167,57	1.328,81	27.669,58	30.934,44
188+10,000	-	-			22,19	44,45	10,96	21,92	2,50	-		111,12	54,80	165,92	1.328,81	27.780,71	30.989,22
188+15,000	-	-			21,77	43,96	10,86	21,82	2,50	-		109,90	54,55	164,45	1.328,81	27.890,61	31.043,77
189+0,000	-	-			21,66	43,43	10,76	21,62	2,50	-		108,56	54,06	162,62	1.328,81	27.999,17	31.097,83
189+5,000	-	-			21,83	43,49	10,68	21,44	2,50	-		108,71	53,61	162,32	1.328,81	28.107,88	31.151,44
189+10,000	-	-			22,12	43,95	10,63	21,31	2,50	-		109,88	53,27	163,15	1.328,81	28.217,76	31.204,66
189+15,000	-	-			19,97	42,09	10,81	21,44	2,50	-		105,23	53,59	158,82	1.328,81	28.323,00	31.258,22
190+0,000	-	-			18,60	38,57	11,10	21,91	2,50	-		96,43	54,77	151,20	1.328,81	28.419,43	31.313,05
190+5,000	-	-			18,07	36,67	11,25	22,35	2,50	-		91,68	55,86	147,54	1.328,81	28.511,11	31.368,99
190+9,988	-	-			18,25	36,32	11,16	22,41	2,49	-		90,57	55,87	146,44	1.328,81	28.601,68	31.424,77
190+10,000	-	-			18,26	36,51	11,15	22,31	0,01	-		0,22	0,14	0,36	1.328,81	28.601,91	31.424,92
190+15,000	-	-			17,01	35,27	11,07	22,22	2,50	-		88,18	55,56	143,74	1.328,81	28.690,08	31.480,44



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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
191+0,000	-	-			15,02	32,03	10,71	21,78	2,50	-		80,08	54,46	134,54	1.328,81	28.770,16	31.534,94
191+5,000	-	-			16,87	31,89	11,04	21,75	2,50	-		79,71	54,40	134,11	1.328,81	28.849,87	31.589,34
191+10,000	-	-			17,60	34,47	12,45	23,49	2,50	-		86,18	58,73	144,91	1.328,81	28.936,05	31.648,07
191+15,000	-	-			17,01	34,61	12,69	25,14	2,50	-		86,53	62,85	149,38	1.328,81	29.022,58	31.710,92
192+0,000	-	-			17,52	34,53	12,06	24,75	2,50	-		86,33	61,86	148,19	1.328,81	29.108,91	31.772,78
192+5,000	-	-			18,46	35,98	11,68	23,74	2,50	-		89,97	59,32	149,29	1.328,81	29.198,88	31.832,10
192+10,000	-	-			19,60	38,06	11,03	22,71	2,50	-		95,17	56,76	151,93	1.328,81	29.294,05	31.888,86
192+15,000	-	-			17,79	37,39	10,87	21,90	2,50	-		93,49	54,73	148,22	1.328,81	29.387,54	31.943,59
193+0,000	-	-			16,23	34,02	10,72	21,59	2,50	-		85,07	53,95	139,02	1.328,81	29.472,61	31.997,54
193+2,324	-	-			15,60	31,83	10,65	21,37	1,16	-		36,98	24,83	61,81	1.328,81	29.509,60	32.022,37
194+0,000	-	-			11,91	27,51	9,92	20,57	8,84	-		243,13	181,76	424,89	1.328,81	29.752,72	32.204,13
195+0,000	-	-			7,89	19,80	8,82	18,74	10,00	-		198,06	187,32	385,38	1.328,81	29.950,78	32.391,45
196+0,000	-	-			4,84	12,73	7,64	16,46	10,00	0,01		127,36	164,56	291,92	1.328,82	30.078,14	32.556,01
197+0,000	0,08	0,08			3,13	7,97	7,72	15,36	10,00	0,77		79,69	153,67	233,36	1.329,59	30.157,83	32.709,68
198+0,000	-	0,08			1,96	5,09	7,13	14,85	10,00	0,76		50,88	148,52	199,40	1.330,35	30.208,71	32.858,20
199+0,000	-	-			3,19	5,15	7,94	15,07	10,00	-		51,58	150,58	202,16	1.330,35	30.260,29	33.008,78
200+0,000	-	-			4,37	7,56	8,56	16,50	10,00	-		75,64	165,00	240,64	1.330,35	30.335,93	33.173,78
201+0,000	-	-			4,85	9,22	8,70	17,26	10,00	-		92,22	172,62	264,84	1.330,35	30.428,15	33.346,40
202+0,000	-	-			4,61	9,46	8,54	17,24	10,00	-		94,67	172,37	267,04	1.330,35	30.522,81	33.518,77
203+0,000	-	-			5,48	10,09	8,68	17,22	10,00	-		100,95	172,17	273,12	1.330,35	30.623,77	33.690,94
204+0,000	-	-			4,68	10,16	8,09	16,77	10,00	-		101,62	167,67	269,29	1.330,35	30.725,38	33.858,61
205+0,000	-	-			2,41	7,09	7,29	15,38	10,00	-		70,92	153,79	224,71	1.330,35	30.796,31	34.012,40
206+0,000	-	-			0,09	2,50	4,98	12,27	10,00	-		25,00	122,74	147,74	1.330,35	30.821,31	34.135,14
207+0,000	0,69	0,69			-	0,09	2,41	7,39	10,00	6,92		0,89	73,95	74,84	1.337,27	30.822,20	34.209,09
208+0,000	1,21	1,90			0,06	0,06	4,68	7,09	10,00	19,00		0,56	70,92	71,48	1.356,27	30.822,76	34.280,01
209+0,000	1,35	2,56			0,01	0,07	4,02	8,70	10,00	25,61		0,69	87,03	87,72	1.381,88	30.823,45	34.367,04
210+0,000	1,75	3,10			-	0,01	2,74	6,76	10,00	31,07		0,13	67,67	67,80	1.412,95	30.823,58	34.434,71
211+0,000	1,65	3,40			-	-	3,66	6,40	10,00	34,02		-	64,04	64,04	1.446,97	30.823,58	34.498,75
212+0,000	1,04	2,69			0,03	0,03	4,18	7,84	10,00	26,93		0,27	78,38	78,65	1.473,90	30.823,84	34.577,13
213+0,000	0,10	1,14			0,20	0,23	4,76	8,94	10,00	11,46		2,26	89,38	91,64	1.485,36	30.826,11	34.666,51
214+0,000	-	0,10			0,05	0,25	5,29	10,05	10,00	1,02		2,52	100,44	102,96	1.486,38	30.828,63	34.766,95
215+0,000	2,25	2,25			-	0,05	2,43	7,72	10,00	22,53		0,52	77,16	77,68	1.508,91	30.829,15	34.844,11
216+0,000	7,73	9,98			-	-	0,06	2,49	10,00	99,79		-	24,87	24,87	1.608,70	30.829,15	34.868,98
217+0,000	10,13	17,86			-	-	-	0,06	10,00	178,59		-	0,56	0,56	1.787,29	30.829,15	34.869,54
218+0,000	6,60	16,73			-	-	-	-	10,00	167,37		-	-	-	1.954,66	30.829,15	34.869,54
219+0,000	3,84	10,44			-	-	-	-	10,00	104,43		-	-	-	2.059,09	30.829,15	34.869,54
220+0,000	4,61	8,45			-	-	-	-	10,00	84,54		-	-	-	2.143,63	30.829,15	34.869,54
221+0,000	7,37	11,98			-	-	-	-	10,00	119,81		-	-	-	2.263,44	30.829,15	34.869,54
222+0,000	6,67	14,04			-	-	-	-	10,00	140,39		-	-	-	2.403,83	30.829,15	34.869,54
223+0,000	1,91	8,58			-	-	0,07	0,07	10,00	85,83		-	0,70	0,70	2.489,66	30.829,15	34.870,24
224+0,000	-	1,91			-	-	5,08	5,15	10,00	19,09		-	51,48	51,48	2.508,75	30.829,15	34.921,72
225+0,000	-	-			3,31	3,31	8,69	13,77	10,00	-		33,07	137,71	170,78	2.508,75	30.862,22	35.059,43
226+0,000	-	-			8,53	11,84	9,28	17,97	10,00	-		118,40	179,67	298,07	2.508,75	30.980,63	35.239,10
227+0,000	-	-			12,51	21,04	9,69	18,97	10,00	-		210,47	189,58	400,05	2.508,75	31.191,10	35.428,68
228+0,000	-	-			13,83	26,34	9,88	19,57	10,00	-		263,40	195,71	459,11	2.508,75	31.454,50	35.624,39
229+0,000	-	-			13,96	27,79	9,75	19,63	10,00	-		277,89	196,38	474,27	2.508,75	31.732,39	35.820,77
230+0,000	-	-			12,90	26,86	9,51	19,26	10,00	-		268,63	192,59	461,22	2.508,75	32.001,02	36.013,36
231+0,000	-	-			12,41	25,31	9,24	18,75	10,00	-		253,09	187,54	440,63	2.508,75	32.254,11	36.200,90
232+0,000	-	-			12,00	24,41	9,23	18,47	10,00	-		244,10	184,75	428,85	2.508,75	32.498,20	36.385,65
233+0,000	-	-			11,51	23,51	9,27	18,50	10,00	-		235,07	185,04	420,11	2.508,75	32.733,28	36.570,69
234+0,000	-	-			10,37	21,88	9,25	18,52	10,00	-		218,78	185,26	404,04	2.508,75	32.952,06	36.755,95
235+0,000	-	-			9,77	20,14	9,20	18,45	10,00	-		201,45	184,48	385,93	2.508,75	33.153,51	36.940,43
236+0,000	-	-			9,47	19,24	9,29	18,49	10,00	-		192,44	184,84	377,28	2.508,75	33.345,95	37.125,27
237+0,000	-	-			8,92	18,39	9,13	18,42	10,00	-		183,92	184,18	368,10	2.508,75	33.529,87	37.309,45
238+0,000	-	-			7,92	16,84	9,01	18,14	10,00	-		168,39	181,43	349,82	2.508,75	33.698,26	37.490,88
239+0,000	-	-			7,41	15,33	8,98	17,99	10,00	-		153,27	179,92	333,19	2.508,75	33.851,53	37.670,80

Engenharia e Consultoria

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SINFRA-PRO-2026/06335-17A



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Cálculo de Volumes Segmento 11,60M - 13,644km																							
Estaca	Áreas								Soma-distância	Volumes													
	Corte				Aterro					Parcial				Acumulado									
										Corte		Aterro		Corte		Aterro							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			1ª Cat.		2ª Cat.		Corpo		Acabam.		Corp + Acab.		1ª Cat.		Corpo	
EIXO - MT 208																							
240+0,000	-	-				6,15	13,56	8,79	17,77	10,00	-			135,62	177,72	313,34	2.508,75	33.987,15	37.848,52				
241+0,000	-	-				5,78	11,93	8,75	17,54	10,00	-			119,29	175,41	294,70	2.508,75	34.106,45	38.023,93				
242+0,000	-	-				4,97	10,75	8,62	17,37	10,00	-			107,49	173,65	281,14	2.508,75	34.213,93	38.197,58				
243+0,000	-	-				4,79	9,76	8,68	17,30	10,00	-			97,63	172,91	270,54	2.508,75	34.311,56	38.370,49				
244+0,000	-	-				5,71	10,50	8,84	17,52	10,00	-			104,97	175,15	280,12	2.508,75	34.416,53	38.545,64				
245+0,000	-	-				6,70	12,41	9,14	17,98	10,00	-			124,10	179,74	303,84	2.508,75	34.540,63	38.725,38				
246+0,000	-	-				7,43	14,13	9,04	18,18	10,00	-			141,32	181,77	323,09	2.508,75	34.681,96	38.907,15				
247+0,000	-	-				6,96	14,39	9,07	18,11	10,00	-			143,83	181,19	325,02	2.508,75	34.825,79	39.088,34				
248+0,000	-	-				6,35	13,31	9,11	18,18	10,00	-			133,06	181,88	314,94	2.508,75	34.958,85	39.270,22				
249+0,000	-	-				6,46	12,81	9,21	18,32	10,00	-			128,07	183,24	311,31	2.508,75	35.086,92	39.453,46				
250+0,000	-	-				7,76	14,22	9,41	18,62	10,00	-			142,18	186,23	328,41	2.508,75	35.229,10	39.639,69				
251+0,000	-	-				8,65	16,41	9,44	18,85	10,00	-			164,11	188,47	352,58	2.508,75	35.393,21	39.828,16				
252+0,000	-	-				9,24	17,89	9,54	18,98	10,00	-			178,87	189,81	368,68	2.508,75	35.572,08	40.017,97				
253+0,000	-	-				9,65	18,89	9,51	19,05	10,00	-			188,85	190,62	379,47	2.508,75	35.760,93	40.208,59				
254+0,000	-	-				9,69	19,34	9,39	18,90	10,00	-			193,36	189,11	382,47	2.508,75	35.954,28	40.397,70				
255+0,000	-	-				8,91	18,60	9,21	18,60	10,00	-			186,01	185,98	371,99	2.508,75	36.140,29	40.583,68				
256+0,000	-	-				7,82	16,73	8,99	18,20	10,00	-			167,33	181,97	349,30	2.508,75	36.307,62	40.765,65				
257+0,000	-	-				6,91	14,73	8,89	17,88	10,00	-			147,35	178,74	326,09	2.508,75	36.454,97	40.944,39				
258+0,000	-	-				5,48	12,39	8,76	17,65	10,00	-			123,90	176,41	300,31	2.508,75	36.578,87	41.120,80				
259+0,000	-	-				4,77	10,25	8,71	17,47	10,00	-			102,42	174,78	277,20	2.508,75	36.681,29	41.295,58				
260+0,000	-	-				4,88	9,65	8,83	17,54	10,00	-			96,51	175,47	271,98	2.508,75	36.777,79	41.471,05				
261+0,000	-	-				4,61	9,49	8,98	17,81	10,00	-			94,92	178,13	273,05	2.508,75	36.872,71	41.649,18				
262+0,000	-	-				3,65	8,26	8,97	17,95	10,00	-			82,59	179,52	262,11	2.508,75	36.955,30	41.828,70				
263+0,000	-	-				4,27	7,92	10,57	19,54	10,00	-			79,18	195,40	274,58	2.508,75	37.034,48	42.024,10				
264+0,000	-	-				5,07	9,34	10,24	20,81	10,00	-			93,36	208,10	301,46	2.508,75	37.127,84	42.232,20				
265+0,000	-	-				6,87	11,94	9,81	20,05	10,00	-			119,38	200,50	319,88	2.508,75	37.247,21	42.432,70				
266+0,000	-	-				6,33	13,20	9,15	18,96	10,00	-			132,03	189,53	321,56	2.508,75	37.379,24	42.622,23				
267+0,000	-	-				5,72	12,05	8,91	18,06	10,00	-			120,52	180,56	301,08	2.508,75	37.499,76	42.802,79				
267+3,527	-	-				5,66	11,38	8,93	17,84	1,76	-			20,06	31,47	51,53	2.508,75	37.519,82	42.834,26				
267+5,000	-	-				5,64	11,30	8,94	17,87	0,74	-			8,32	13,15	21,47	2.508,75	37.528,14	42.847,41				
267+10,000	-	-				5,62	11,26	8,95	17,89	2,50	-			28,15	44,72	72,87	2.508,75	37.556,29	42.892,13				
267+10,048	-	-				5,62	11,24	8,95	17,90	0,02	-			0,27	0,44	0,71	2.508,75	37.556,56	42.892,57				
267+15,000	-	-				5,65	11,27	8,97	17,92	2,48	-			27,89	44,37	72,26	2.508,75	37.584,46	42.936,94				
267+16,570	-	-				5,66	11,31	8,97	17,94	0,78	-			8,87	14,08	22,95	2.508,75	37.593,33	42.951,02				
268+0,000	-	-				5,67	11,33	8,98	17,95	1,72	-			19,43	30,78	50,21	2.508,75	37.612,76	42.981,80				
269+0,000	-	-				5,62	11,29	8,93	17,91	10,00	-			112,92	179,08	292,00	2.508,75	37.725,68	43.160,88				
270+0,000	-	-				5,18	10,80	8,74	17,67	10,00	-			107,98	176,82	284,80	2.508,75	37.833,66	43.337,70				
271+0,000	-	-				4,93	10,11	8,68	17,42	10,00	-			101,07	174,30	275,37	2.508,75	37.934,73	43.512,00				
272+0,000	-	-				4,50	9,43	8,71	17,39	10,00	-			94,30	173,94	268,24	2.508,75	38.029,03	43.685,94				
273+0,000	-	-				4,23	8,73	8,64	17,35	10,00	-			87,30	173,57	260,87	2.508,75	38.116,34	43.859,51				
274+0,000	-	-				3,77	8,00	8,55	17,19	10,00	-			79,98	171,93	251,91	2.508,75	38.196,32	44.031,44				
275+0,000	-	-				3,38	7,15	8,48	17,03	10,00	-			71,45	170,35	241,80	2.508,75	38.267,77	44.201,79				
276+0,000	-	-				2,93	6,31	8,49	16,97	10,00	-			63,08	169,78	232,86	2.508,75	38.330,85	44.371,57				
277+0,000	-	-				2,42	5,35	8,40	16,89	10,00	-			53,53	168,86	222,39	2.508,75	38.384,38	44.540,43				
278+0,000	-	-				2,05	4,47	8,25	16,65	10,00	-			44,75	166,43	211,18	2.508,75	38.429,13	44.706,86				
279+0,000	-	-				1,70	3,75	7,87	16,12	10,00	-			37,56	161,11	198,67	2.508,75	38.466,70	44.867,97				
280+0,000	-	-				1,11	2,81	7,71	15,58	10,00	-			28,08	155,77	183,85	2.508,75	38.494,78	45.023,74				
281+0,000	-	-				0,82	1,93	7,80	15,51	10,00	-			19,24	155,18	174,42	2.508,75	38.514,02	45.178,92				
282+0,000	-	-				0,95	1,77	7,76	15,56	10,00	-			17,73	155,63	173,36	2.508,75	38.531,75	45.334,55				
283+0,000	-	-				1,67	2,62	8,04	15,80	10,00	-			26,20	157,98	184,18	2.508,75	38.557,95	45.492,53				
284+0,000	-	-				2,58	4,25	8,27	16,31	10,00	-			42,44	163,13	205,57	2.508,75	38.600,39	45.655,66				
285+0,000	-	-				3,47	6,05	8,41	16,68	10,00	-			60,51	166,83	227,34	2.508,75	38.660,90	45.822,49				
286+0,000	-	-				4,38	7,85	8,52	16,93	10,00	-			78,55	169,25	247,80	2.508,75	38.739,44	45.991,74				
287+0,000	-	-				5,13	9,51	8,67	17,19	10,00	-			95,10	171,90	267,00	2.508,75	38.834,55	46.163,64				
288+0,000	-	-				5,49	10,62	8,70	17,37	10,00	-			106,16	173,74	279,90	2.508,75	38.940,71	46.337,38				
289+0,000	-	-				5,92	11,41	8,78	17,48	10,00	-			114,08	174,81	288,89	2.508,75	39.054,79	46.512,19				

Engenharia e Consultoria

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Cálculo de Volumes Segmento 11,60M - 13,644km																							
Estaca	Áreas								Semi-distância	Volumes													
	Corte				Aterro					Parcial				Acumulado									
										Corte		Aterro		Corte		Aterro							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			1ª Cat.		2ª Cat.		Corpo		Acabam.		Corp + Acab.		1ª Cat.		Corpo	
EIXO - MT 208																							
290+0,000	-	-			6,48	12,40	8,88	17,66	10,00	-		124,01	176,59	300,60	2.508,75	39.178,80	46.688,78						
291+0,000	-	-			6,59	13,07	8,97	17,85	10,00	-		130,71	178,49	309,20	2.508,75	39.309,51	46.867,27						
292+0,000	-	-			6,78	13,37	9,01	17,98	10,00	-		133,69	179,84	313,53	2.508,75	39.443,20	47.047,11						
293+0,000	-	-			7,12	13,90	9,11	18,12	10,00	-		138,99	181,16	320,15	2.508,75	39.582,19	47.228,27						
294+0,000	-	-			7,15	14,27	9,12	18,23	10,00	-		142,68	182,27	324,95	2.508,75	39.724,87	47.410,54						
295+0,000	-	-			7,10	14,25	9,12	18,24	10,00	-		142,44	182,48	324,92	2.508,75	39.867,31	47.593,02						
296+0,000	-	-			6,81	13,91	9,24	18,36	10,00	-		139,10	183,59	322,69	2.508,75	40.006,42	47.776,61						
297+0,000	-	-			5,91	12,72	9,04	18,28	10,00	-		127,26	182,69	309,95	2.508,75	40.133,67	47.959,30						
298+0,000	-	-			5,78	11,69	8,96	18,00	10,00	-		116,96	179,96	296,92	2.508,75	40.250,64	48.139,26						
299+0,000	-	-			6,20	11,98	8,88	17,84	10,00	-		119,80	178,43	298,23	2.508,75	40.370,43	48.317,69						
300+0,000	-	-			6,54	12,74	9,08	17,96	10,00	-		127,38	179,61	306,99	2.508,75	40.497,81	48.497,30						
301+0,000	-	-			6,61	13,15	9,09	18,17	10,00	-		131,57	181,65	313,22	2.508,75	40.629,38	48.678,95						
302+0,000	-	-			6,03	12,64	8,93	18,02	10,00	-		126,42	180,24	306,66	2.508,75	40.755,80	48.859,19						
303+0,000	-	-			5,78	11,81	8,97	17,90	10,00	-		118,04	179,11	297,15	2.508,75	40.873,84	49.038,30						
304+0,000	-	-			5,84	11,62	9,04	18,01	10,00	-		116,19	180,09	296,28	2.508,75	40.990,03	49.218,39						
305+0,000	-	-			6,11	11,95	9,07	18,11	10,00	-		119,56	180,97	300,53	2.508,75	41.109,59	49.399,36						
306+0,000	-	-			6,37	12,48	9,14	18,21	10,00	-		124,79	182,09	306,88	2.508,75	41.234,37	49.581,45						
307+0,000	-	-			6,63	13,00	8,90	18,04	10,00	-		129,94	180,51	310,45	2.508,75	41.364,32	49.761,96						
308+0,000	-	-			7,10	13,73	9,14	18,04	10,00	-		137,31	180,43	317,74	2.508,75	41.501,63	49.942,39						
309+0,000	-	-			6,96	14,06	9,15	18,29	10,00	-		140,66	182,88	323,54	2.508,75	41.642,29	50.125,27						
310+0,000	-	-			6,80	13,76	9,18	18,33	10,00	-		137,61	183,30	320,91	2.508,75	41.779,91	50.308,57						
311+0,000	-	-			5,98	12,78	8,96	18,14	10,00	-		127,73	181,42	309,15	2.508,75	41.907,64	50.489,99						
312+0,000	-	-			4,94	10,92	8,71	17,67	10,00	-		109,17	176,73	285,90	2.508,75	42.016,81	50.666,72						
313+0,000	-	-			4,44	9,38	8,61	17,32	10,00	-		93,86	173,19	267,05	2.508,75	42.110,67	50.839,91						
314+0,000	-	-			5,84	10,28	8,93	17,54	10,00	-		102,89	175,35	278,24	2.508,75	42.213,56	51.015,26						
315+0,000	-	-			6,84	12,68	9,04	17,97	10,00	-		126,79	179,73	306,52	2.508,75	42.340,35	51.194,99						
316+0,000	-	-			7,37	14,21	8,90	17,94	10,00	-		142,07	179,44	321,51	2.508,75	42.482,42	51.374,43						
317+0,000	-	-			7,76	15,13	9,23	18,13	10,00	-		151,28	181,34	332,62	2.508,75	42.633,70	51.555,77						
318+0,000	-	-			7,07	14,83	9,07	18,30	10,00	-		148,31	183,01	331,32	2.508,75	42.782,01	51.738,78						
319+0,000	-	-			6,17	13,24	8,79	17,86	10,00	-		132,43	178,54	310,97	2.508,75	42.914,44	51.917,32						
320+0,000	-	-			5,82	11,99	8,35	17,14	10,00	-		119,84	171,46	291,30	2.508,75	43.034,29	52.088,78						
321+0,000	-	-			5,06	10,88	8,26	16,61	10,00	-		108,80	166,13	274,93	2.508,75	43.143,08	52.254,91						
322+0,000	-	-			4,47	9,53	8,47	16,73	10,00	-		95,31	167,26	262,57	2.508,75	43.238,39	52.422,17						
323+0,000	-	-			4,21	8,68	8,65	17,12	10,00	-		86,72	171,22	257,94	2.508,75	43.325,11	52.593,39						
324+0,000	-	-			3,90	8,11	8,64	17,29	10,00	-		81,08	172,89	253,97	2.508,75	43.406,19	52.766,28						
325+0,000	-	-			4,41	8,31	8,74	17,38	10,00	-		83,11	173,75	256,86	2.508,75	43.489,30	52.940,03						
326+0,000	-	-			5,13	9,54	8,77	17,51	10,00	-		95,42	175,05	270,47	2.508,75	43.584,72	53.115,08						
327+0,000	-	-			6,16	11,29	9,11	17,88	10,00	-		112,90	178,85	291,75	2.508,75	43.697,62	53.293,93						
328+0,000	-	-			7,65	13,81	9,37	18,48	10,00	-		138,11	184,83	322,94	2.508,75	43.835,73	53.478,76						
329+0,000	-	-			7,82	15,47	9,36	18,73	10,00	-		154,70	187,33	342,03	2.508,75	43.990,43	53.666,09						
330+0,000	-	-			8,16	15,98	9,32	18,68	10,00	-		159,80	186,87	346,67	2.508,75	44.150,23	53.852,96						
331+0,000	-	-			8,64	16,80	9,33	18,65	10,00	-		167,99	186,55	354,54	2.508,75	44.318,22	54.039,51						
332+0,000	-	-			8,43	17,07	9,20	18,53	10,00	-		170,67	185,28	355,95	2.508,75	44.488,89	54.224,79						
333+0,000	-	-			7,72	16,15	8,96	18,16	10,00	-		161,55	181,49	343,04	2.508,75	44.650,43	54.406,28						
334+0,000	-	-			8,33	16,05	9,12	18,08	10,00	-		160,55	180,73	341,28	2.508,75	44.810,99	54.587,01						
335+0,000	-	-			7,74	16,07	9,11	18,23	10,00	-		160,69	182,34	343,03	2.508,75	44.971,68	54.769,35						
336+0,000	-	-			6,32	14,06	8,91	18,02	10,00	-		140,60	180,22	320,82	2.508,75	45.112,28	54.949,57						
337+0,000	-	-			5,88	12,20	9,02	17,93	10,00	-		121,99	179,32	301,31	2.508,75	45.234,28	55.128,89						
338+0,000	-	-			5,49	11,37	9,00	18,02	10,00	-		113,65	180,28	293,93	2.508,75	45.347,93	55.309,17						
339+0,000	-	-			4,77	10,26	8,79	17,79	10,00	-		102,59	177,87	280,46	2.508,75	45.450,52	55.487,04						
340+0,000	-	-			3,58	8,35	8,55	17,34	10,00	-		83,44	173,41	256,85	2.508,75	45.533,96	55.660,45						
341+0,000	-	-			3,27	6,85	8,65	17,20	10,00	-		68,46	172,07	240,53	2.508,75	45.602,42	55.832,52						
342+0,000	-	-			2,49	5,76	8,44	17,09	10,00	-		57,61	170,88	228,49	2.508,75	45.660,03	56.003,40						
343+0,000	-	-			2,51	5,00	8,24	16,68	10,00	-		49,98	166,75	216,73	2.508,75	45.710,02	56.170,15						
344+0,000	-	-			3,38	5,89	8,33	16,57	10,00	-		58,89	165,67	224,56	2.508,75	45.768,90	56.335,82						
345+0,000	-	-			4,09	7,47	8,30	16,63	10,00	-		74,72	166,26	240,98	2.508,75	45.843,62	56.502,08						

Engenharia e Consultoria

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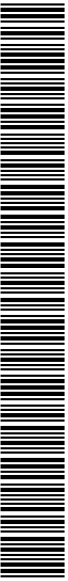
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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
										Corte		Aterro		Corte		Aterro	
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
346+0,000	-	-			5,00	9,09	8,40	16,70	10,00	-		90,88	166,99	257,87	2.508,75	45.934,50	56.669,07
347+0,000	-	-			5,98	10,98	8,56	16,96	10,00	-		109,77	169,58	279,35	2.508,75	46.044,27	56.838,65
348+0,000	-	-			7,15	13,13	8,89	17,45	10,00	-		131,32	174,41	305,73	2.508,75	46.175,59	57.013,06
349+0,000	-	-			7,72	14,87	8,74	17,63	10,00	-		148,69	176,23	324,92	2.508,75	46.324,28	57.189,29
350+0,000	-	-			7,94	15,66	8,59	17,33	10,00	-		156,59	173,28	329,87	2.508,75	46.480,87	57.362,57
351+0,000	-	-			7,60	15,54	8,63	17,22	10,00	-		155,44	172,17	327,61	2.508,75	46.636,31	57.534,74
352+0,000	-	-			7,26	14,86	8,83	17,46	10,00	-		148,66	174,52	323,18	2.508,75	46.784,97	57.709,26
353+0,000	-	-			6,63	13,89	8,76	17,59	10,00	-		138,99	175,79	314,78	2.508,75	46.923,96	57.885,05
354+0,000	-	-			7,21	13,84	8,91	17,67	10,00	-		138,41	176,69	315,10	2.508,75	47.062,37	58.061,74
355+0,000	-	-			6,94	14,15	8,81	17,72	10,00	-		141,51	177,19	318,70	2.508,75	47.203,87	58.238,93
356+0,000	-	-			6,92	13,86	8,60	17,41	10,00	-		138,69	173,96	312,65	2.508,75	47.342,57	58.412,89
357+0,000	-	-			6,91	13,83	8,66	17,26	10,00	-		138,31	172,50	310,81	2.508,75	47.480,88	58.585,39
358+0,000	-	-			6,42	13,33	8,71	17,37	10,00	-		133,21	173,78	306,99	2.508,75	47.614,09	58.759,17
359+0,000	-	-			6,29	12,71	8,87	17,58	10,00	-		127,01	175,94	302,95	2.508,75	47.741,10	58.935,11
360+0,000	-	-			5,97	12,26	8,95	17,82	10,00	-		122,58	178,27	300,85	2.508,75	47.863,68	59.113,38
361+0,000	-	-			6,11	12,08	8,72	17,67	10,00	-		120,86	176,69	297,55	2.508,75	47.984,54	59.290,07
362+0,000	-	-			7,00	13,11	9,02	17,74	10,00	-		131,13	177,36	308,49	2.508,75	48.115,67	59.467,43
363+0,000	-	-			7,30	14,30	8,67	17,69	10,00	-		142,96	176,90	319,86	2.508,75	48.258,63	59.644,33
364+0,000	-	-			7,65	14,95	8,79	17,46	10,00	-		149,47	174,62	324,09	2.508,75	48.408,11	59.818,95
365+0,000	-	-			8,12	15,77	8,74	17,53	10,00	-		157,73	175,31	333,04	2.508,75	48.565,84	59.994,26
366+0,000	-	-			8,32	16,44	8,85	17,59	10,00	-		164,45	175,91	340,36	2.508,75	48.730,29	60.170,17
367+0,000	-	-			8,87	17,19	9,00	17,85	10,00	-		171,89	178,49	350,38	2.508,75	48.902,18	60.348,66
368+0,000	-	-			8,84	17,71	8,92	17,92	10,00	-		177,07	179,19	356,26	2.508,75	49.079,25	60.527,85
369+0,000	-	-			9,34	18,18	9,09	18,01	10,00	-		181,81	180,12	361,93	2.508,75	49.261,06	60.707,97
370+0,000	-	-			9,98	19,32	8,98	18,07	10,00	-		193,27	180,64	373,91	2.508,75	49.454,33	60.888,61
371+0,000	-	-			9,76	19,74	8,95	17,93	10,00	-		197,42	179,31	376,73	2.508,75	49.651,75	61.067,92
372+0,000	-	-			9,21	18,97	8,77	17,72	10,00	-		189,70	177,23	366,93	2.508,75	49.841,44	61.245,15
373+0,000	-	-			9,47	18,68	8,94	17,71	10,00	-		186,83	177,07	363,90	2.508,75	50.028,28	61.422,22
374+0,000	-	-			9,49	18,96	9,03	17,97	10,00	-		189,62	179,71	369,33	2.508,75	50.217,90	61.601,93
375+0,000	-	-			8,64	18,13	8,96	17,99	10,00	-		181,35	179,86	361,21	2.508,75	50.399,26	61.781,79
376+0,000	-	-			9,74	18,38	9,23	18,19	10,00	-		183,87	181,80	365,67	2.508,75	50.583,13	61.963,59
377+0,000	-	-			8,29	18,03	8,95	18,18	10,00	-		180,32	181,76	362,08	2.508,75	50.763,44	62.145,35
378+0,000	-	-			7,61	15,90	8,59	17,54	10,00	-		158,97	175,44	334,41	2.508,75	50.922,41	62.320,79
379+0,000	-	-			7,51	15,12	8,78	17,37	10,00	-		151,20	173,74	324,94	2.508,75	51.073,61	62.494,53
380+0,000	-	-			7,55	15,06	8,75	17,53	10,00	-		150,67	175,23	325,90	2.508,75	51.224,28	62.669,76
380+19,791	-	-			6,67	14,22	8,48	17,23	9,90	-		140,75	170,45	311,20	2.508,75	51.365,03	62.840,21
381+0,000	-	-			6,65	13,32	8,48	16,96	0,10	-		1,39	1,78	3,17	2.508,75	51.366,42	62.841,99
381+5,000	-	-			6,39	13,04	8,34	16,82	2,50	-		32,61	42,05	74,66	2.508,75	51.399,03	62.884,04
381+10,000	-	-			6,37	12,76	8,18	16,52	2,50	-		31,90	41,30	73,20	2.508,75	51.430,93	62.925,34
381+15,000	-	-			6,43	12,80	8,13	16,31	2,50	-		32,01	40,76	72,77	2.508,75	51.462,94	62.966,10
382+0,000	-	-			6,01	12,44	8,14	16,27	2,50	-		31,12	40,66	71,78	2.508,75	51.494,06	63.006,76
382+5,000	-	-			5,57	11,58	8,14	16,28	2,50	-		28,96	40,71	69,67	2.508,75	51.523,02	63.047,47
382+10,000	-	-			5,14	10,71	8,15	16,29	2,50	-		26,78	40,73	67,51	2.508,75	51.549,80	63.088,20
382+15,000	-	-			4,76	9,90	8,14	16,29	2,50	-		24,75	40,73	65,48	2.508,75	51.574,55	63.128,93
383+0,000	-	-			4,49	9,25	8,10	16,24	2,50	-		23,11	40,63	63,74	2.508,75	51.597,66	63.169,56
383+5,000	-	-			4,32	8,81	8,08	16,18	2,50	-		22,00	40,48	62,48	2.508,75	51.619,67	63.210,04
383+10,000	-	-			4,34	8,66	8,03	16,11	2,50	-		21,64	40,27	61,91	2.508,75	51.641,30	63.250,31
383+15,000	-	-			4,62	8,96	8,02	16,05	2,50	-		22,41	40,12	62,53	2.508,75	51.663,71	63.290,43
384+0,000	-	-			4,93	9,55	8,08	16,10	2,50	-		23,87	40,27	64,14	2.508,75	51.687,58	63.330,70
384+5,000	-	-			5,24	10,17	8,18	16,26	2,50	-		25,40	40,68	66,08	2.508,75	51.712,99	63.371,38
384+10,000	-	-			5,51	10,75	8,29	16,47	2,50	-		26,86	41,17	68,03	2.508,75	51.739,85	63.412,55
384+15,000	-	-			5,74	11,25	8,39	16,68	2,50	-		28,12	41,69	69,81	2.508,75	51.767,97	63.454,24
385+0,000	-	-			5,62	11,36	8,39	16,78	2,50	-		28,41	41,92	70,33	2.508,75	51.796,38	63.496,16
385+5,000	-	-			5,47	11,09	8,38	16,77	2,50	-		27,73	41,91	69,64	2.508,75	51.824,11	63.538,07
385+10,000	-	-			5,21	10,68	8,36	16,74	2,50	-		26,70	41,86	68,56	2.508,75	51.850,80	63.579,93
385+15,000	-	-			5,55	10,76	8,38	16,74	2,50	-		26,92	41,85	68,77	2.508,75	51.877,72	63.621,78

Engenharia e Consultoria
dunamis

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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
385+19.791	-	-			5,58	11,13	8,44	16,82	2,40	-	-	26,67	40,29	66,96	2.508,75	51.904,39	63.662,07
386+0,000	-	-			5,57	11,15	8,45	16,89	0,10	-	-	1,17	1,77	2,94	2.508,75	51.905,56	63.663,84
386+5,000	-	-			5,44	11,01	8,41	16,86	2,50	-	-	27,53	42,13	69,66	2.508,75	51.933,09	63.705,97
386+10,000	-	-			5,34	10,78	8,30	16,71	2,50	-	-	26,95	41,77	68,72	2.508,75	51.960,03	63.747,74
386+15,000	-	-			5,29	10,63	8,18	16,48	2,50	-	-	26,57	41,21	67,78	2.508,75	51.986,60	63.788,95
387+0,000	-	-			5,18	10,47	8,18	16,36	2,50	-	-	26,17	40,91	67,08	2.508,75	52.012,78	63.829,86
387+5,000	-	-			5,09	10,27	8,12	16,30	2,50	-	-	25,69	40,75	66,44	2.508,75	52.038,47	63.870,61
387+10,000	-	-			5,01	10,10	8,05	16,17	2,50	-	-	25,27	40,41	65,68	2.508,75	52.063,73	63.911,02
387+15,000	-	-			4,95	9,96	7,96	16,01	2,50	-	-	24,91	40,00	64,91	2.508,75	52.088,64	63.951,02
388+0,000	-	-			4,95	9,90	8,01	15,97	2,50	-	-	24,74	39,92	64,66	2.508,75	52.113,39	63.990,94
388+5,000	-	-			4,93	9,88	8,10	16,11	2,50	-	-	24,70	40,28	64,98	2.508,75	52.138,08	64.031,22
388+10,000	-	-			4,90	9,83	8,20	16,30	2,50	-	-	24,57	40,77	65,34	2.508,75	52.162,65	64.071,99
388+15,000	-	-			4,84	9,74	8,30	16,50	2,50	-	-	24,34	41,27	65,61	2.508,75	52.186,99	64.113,26
389+0,000	-	-			4,65	9,49	8,22	16,52	2,50	-	-	23,71	41,31	65,02	2.508,75	52.210,70	64.154,57
389+5,000	-	-			4,44	9,09	8,08	16,30	2,50	-	-	22,72	40,75	63,47	2.508,75	52.233,42	64.195,32
389+10,000	-	-			4,23	8,67	7,93	16,01	2,50	-	-	21,67	40,02	61,69	2.508,75	52.255,09	64.235,34
389+15,000	-	-			4,03	8,26	7,83	15,76	2,50	-	-	20,63	39,41	60,04	2.508,75	52.275,72	64.274,75
390+0,000	-	-			4,16	8,19	8,05	15,88	2,50	-	-	20,47	39,71	60,18	2.508,75	52.296,19	64.314,46
390+5,000	-	-			4,30	8,46	8,18	16,23	2,50	-	-	21,15	40,57	61,72	2.508,75	52.317,35	64.355,03
390+10,000	-	-			4,44	8,74	8,26	16,44	2,50	-	-	21,83	41,12	62,95	2.508,75	52.339,18	64.396,15
390+15,000	-	-			4,61	9,05	8,35	16,61	2,50	-	-	22,61	41,54	64,15	2.508,75	52.361,79	64.437,69
391+0,000	-	-			4,94	9,55	8,41	16,76	2,50	-	-	23,87	41,89	65,76	2.508,75	52.385,66	64.479,58
391+5,000	-	-			5,29	10,23	8,52	16,93	2,50	-	-	25,58	42,32	67,90	2.508,75	52.411,24	64.521,90
391+10,000	-	-			5,67	10,96	8,66	17,18	2,50	-	-	27,41	42,96	70,37	2.508,75	52.438,64	64.564,86
391+15,000	-	-			6,05	11,72	8,68	17,34	2,50	-	-	29,30	43,36	72,66	2.508,75	52.467,95	64.608,22
392+0,000	-	-			6,21	12,26	8,75	17,43	2,50	-	-	30,64	43,58	74,22	2.508,75	52.498,58	64.651,80
392+5,000	-	-			6,34	12,55	8,83	17,58	2,50	-	-	31,37	43,95	75,32	2.508,75	52.529,95	64.695,75
392+10,000	-	-			6,44	12,78	8,91	17,74	2,50	-	-	31,96	44,34	76,30	2.508,75	52.561,91	64.740,09
392+15,000	-	-			7,08	13,52	8,98	17,89	2,50	-	-	33,80	44,73	78,53	2.508,75	52.595,71	64.784,82
393+0,000	-	-			7,42	14,50	8,98	17,96	2,50	-	-	36,23	44,92	81,15	2.508,75	52.631,95	64.829,74
393+5,000	-	-			7,73	15,15	8,99	17,97	2,50	-	-	37,87	44,93	82,80	2.508,75	52.669,81	64.874,67
393+10,000	-	-			8,04	15,77	8,99	17,98	2,50	-	-	39,42	44,95	84,37	2.508,75	52.709,23	64.919,62
393+14,359	-	-			8,28	16,32	9,00	17,99	2,18	-	-	35,56	39,22	74,78	2.508,75	52.744,78	64.958,84
393+15,000	-	-			8,27	16,55	8,99	17,99	0,32	-	-	5,30	5,77	11,07	2.508,75	52.750,09	64.964,61
394+0,000	-	-			8,21	16,48	8,97	17,96	2,50	-	-	41,20	44,90	86,10	2.508,75	52.791,29	65.009,51
394+5,000	-	-			8,25	16,46	8,97	17,94	2,50	-	-	41,17	44,84	86,01	2.508,75	52.832,46	65.054,35
394+10,000	-	-			8,39	16,64	8,98	17,95	2,50	-	-	41,62	44,86	86,48	2.508,75	52.874,08	65.099,21
394+15,000	-	-			8,59	16,98	8,98	17,96	2,50	-	-	42,47	44,88	87,35	2.508,75	52.916,55	65.144,09
395+0,000	-	-			8,69	17,28	8,98	17,96	2,50	-	-	43,20	44,90	88,10	2.508,75	52.959,75	65.188,99
395+5,000	-	-			8,74	17,43	9,01	17,99	2,50	-	-	43,56	44,98	88,54	2.508,75	53.003,31	65.233,97
395+10,000	-	-			8,77	17,51	9,08	18,09	2,50	-	-	43,77	45,22	88,99	2.508,75	53.047,08	65.279,19
395+15,000	-	-			8,89	17,66	9,16	18,24	2,50	-	-	44,15	45,60	89,75	2.508,75	53.091,23	65.324,79
396+0,000	-	-			9,08	17,97	9,14	18,30	2,50	-	-	44,91	45,76	90,67	2.508,75	53.136,14	65.370,55
396+5,000	-	-			9,33	18,41	9,12	18,26	2,50	-	-	46,01	45,65	91,66	2.508,75	53.182,14	65.416,20
396+10,000	-	-			9,63	18,96	9,03	18,15	2,50	-	-	47,39	45,38	92,77	2.508,75	53.229,53	65.461,58
396+15,000	-	-			9,83	19,46	8,96	17,99	2,50	-	-	48,64	44,99	93,63	2.508,75	53.278,17	65.506,57
397+0,000	-	-			9,94	19,77	9,04	18,00	2,50	-	-	49,43	45,01	94,44	2.508,75	53.327,60	65.551,58
397+5,000	-	-			10,16	20,10	9,08	18,12	2,50	-	-	50,27	45,28	95,55	2.508,75	53.377,87	65.596,86
397+10,000	-	-			10,52	20,68	9,11	18,19	2,50	-	-	51,71	45,47	97,18	2.508,75	53.429,57	65.642,33
397+15,000	-	-			10,92	21,44	9,18	18,29	2,50	-	-	53,61	45,72	99,33	2.508,75	53.483,19	65.688,05
398+0,000	-	-			10,98	21,90	9,23	18,41	2,50	-	-	54,77	46,01	100,78	2.508,75	53.537,96	65.734,06
398+5,000	-	-			11,07	22,05	9,21	18,44	2,50	-	-	55,14	46,08	101,22	2.508,75	53.593,09	65.780,14
398+10,000	-	-			11,19	22,26	9,27	18,48	2,50	-	-	55,64	46,19	101,83	2.508,75	53.648,74	65.826,33
398+15,000	-	-			11,34	22,53	9,35	18,62	2,50	-	-	56,31	46,55	102,86	2.508,75	53.705,04	65.872,88
399+0,000	-	-			11,49	22,83	9,37	18,72	2,50	-	-	57,06	46,81	103,87	2.508,75	53.762,10	65.919,69
399+5,000	-	-			11,72	23,21	9,48	18,85	2,50	-	-	58,01	47,14	105,15	2.508,75	53.820,11	65.966,83

Engenharia e Consultoria

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Cálculo de Volumes Segmento 11,60M - 13,644km																							
Estaca	Áreas								Soma-distância	Volumes													
	Corte				Aterro					Parcial				Acumulado									
										Corte		Aterro		Corte		Aterro							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			1ª Cat.		2ª Cat.		Corpo		Acabam.		Corp + Acab.		1ª Cat.		Corpo	
EIXO - MT 208																							
399+10.000	-	-				12,12	23,84	9,62	19,10	2,50	-			59,60	47,74	107,34	2.508,75	53.879,71	66.014,57				
399+15.000	-	-				12,63	24,75	9,73	19,35	2,50	-			61,89	48,36	110,25	2.508,75	53.941,59	66.062,93				
400+0.000	-	-				12,86	25,49	9,93	19,66	2,50	-			63,72	49,16	112,88	2.508,75	54.005,31	66.112,09				
400+5.000	-	-				13,27	26,13	10,17	20,10	2,50	-			65,31	50,26	115,57	2.508,75	54.070,63	66.162,35				
400+10.000	-	-				13,89	27,16	10,41	20,58	2,50	-			67,89	51,46	119,35	2.508,75	54.138,52	66.213,81				
400+15.000	-	-				14,59	28,48	11,72	22,13	2,50	-			71,20	55,32	126,52	2.508,75	54.209,71	66.269,13				
401+0.000	-	-				15,77	30,36	11,68	23,40	2,50	-			75,90	58,49	134,39	2.508,75	54.285,62	66.327,62				
401+5.000	-	-				16,91	32,68	11,60	23,28	2,50	-			81,69	58,21	139,90	2.508,75	54.367,31	66.385,83				
401+8.928	-	-				17,74	34,65	11,55	23,15	1,96	-			68,04	45,47	113,51	2.508,75	54.435,35	66.431,30				
401+10.000	-	-				17,92	35,66	11,54	23,09	0,54	-			19,12	12,37	31,49	2.508,75	54.454,47	66.443,67				
401+15.000	-	-				18,64	36,56	11,51	23,05	2,50	-			91,40	57,61	149,01	2.508,75	54.545,88	66.501,28				
402+0.000	-	-				18,40	37,04	11,61	23,12	2,50	-			92,59	57,82	150,41	2.508,75	54.638,47	66.559,10				
402+5.000	-	-				17,51	35,91	11,43	23,04	2,50	-			89,77	57,63	147,40	2.508,75	54.728,24	66.616,73				
402+10.000	-	-				16,58	34,09	11,08	22,51	2,50	-			85,22	56,30	141,52	2.508,75	54.813,46	66.673,03				
402+15.000	-	-				16,60	33,18	11,33	22,41	2,50	-			82,94	56,04	138,98	2.508,75	54.896,40	66.729,07				
403+0.000	-	-				17,73	34,33	11,33	22,66	2,50	-			85,81	56,67	142,48	2.508,75	54.982,21	66.785,74				
403+5.000	-	-				18,39	36,12	11,33	22,66	2,50	-			90,29	56,67	146,96	2.508,75	55.072,49	66.842,41				
403+10.000	-	-				18,55	36,94	11,33	22,66	2,50	-			92,36	56,65	149,01	2.508,75	55.164,85	66.899,06				
403+15.000	-	-				18,17	36,72	11,19	22,52	2,50	-			91,81	56,29	148,10	2.508,75	55.256,66	66.955,35				
404+0.000	-	-				18,70	36,87	11,36	22,55	2,50	-			92,17	56,39	148,56	2.508,75	55.348,84	67.011,74				
404+5.000	-	-				19,01	37,71	11,50	22,86	2,50	-			94,26	57,17	151,43	2.508,75	55.443,10	67.068,91				
404+10.000	-	-				19,32	38,33	11,18	22,68	2,50	-			95,81	56,71	152,52	2.508,75	55.538,91	67.125,62				
404+15.000	-	-				19,56	38,88	10,64	21,82	2,50	-			97,20	54,56	151,76	2.508,75	55.636,11	67.180,18				
405+0.000	-	-				20,42	39,98	10,84	21,48	2,50	-			99,95	53,70	153,65	2.508,75	55.736,06	67.233,88				
405+5.000	-	-				20,94	41,36	11,11	21,95	2,50	-			103,41	54,86	158,27	2.508,75	55.839,46	67.288,74				
405+10.000	-	-				21,65	42,59	11,28	22,39	2,50	-			106,49	55,96	162,45	2.508,75	55.945,96	67.344,70				
405+15.000	-	-				22,47	44,12	11,24	22,52	2,50	-			110,30	56,29	166,59	2.508,75	56.056,25	67.400,99				
406+0.000	-	-				22,02	44,49	11,45	22,69	2,50	-			111,21	56,72	167,93	2.508,75	56.167,46	67.457,71				
406+5.000	-	-				21,48	43,50	11,57	23,02	2,50	-			108,75	57,53	166,28	2.508,75	56.276,21	67.515,24				
406+8.928	-	-				21,03	42,51	11,61	23,18	1,96	-			83,49	45,51	129,00	2.508,75	56.359,70	67.560,75				
407+0.000	-	-				19,74	40,77	11,66	23,27	5,54	-			225,73	128,77	354,50	2.508,75	56.585,43	67.689,52				
408+0.000	-	-				16,90	36,64	11,62	23,28	10,00	-			366,48	232,68	599,16	2.508,75	56.951,91	67.922,20				
409+0.000	-	-				14,09	30,99	11,70	23,32	10,00	-			309,96	233,16	543,12	2.508,75	57.261,87	68.155,36				
410+0.000	-	-				10,88	24,97	10,61	22,31	10,00	-			249,69	223,13	472,82	2.508,75	57.511,56	68.378,49				
411+0.000	-	-				10,60	21,48	10,74	21,35	10,00	-			214,81	213,49	428,30	2.508,75	57.726,37	68.591,98				
412+0.000	-	-				12,14	22,74	11,03	21,77	10,00	-			227,46	217,66	445,12	2.508,75	57.953,82	68.809,64				
413+0.000	-	-				10,52	22,66	10,59	21,62	10,00	-			226,64	216,17	442,81	2.508,75	58.180,47	69.025,81				
414+0.000	-	-				10,04	20,56	9,75	20,34	10,00	-			205,60	203,35	408,95	2.508,75	58.386,07	69.229,16				
415+0.000	-	-				8,19	18,23	9,34	19,09	10,00	-			182,28	190,90	373,18	2.508,75	58.568,35	69.420,06				
416+0.000	-	-				4,24	12,43	8,67	18,01	10,00	-			124,33	180,10	304,43	2.508,75	58.692,67	69.600,16				
417+0.000	-	-				0,51	4,75	7,06	15,73	10,00	-			47,55	157,24	204,79	2.508,75	58.740,22	69.757,40				
418+0.000	0,10	0,10				0,04	0,55	5,90	12,96	10,00	1,01			5,49	129,64	135,13	2.509,76	58.745,71	69.887,04				
419+0.000	0,01	0,11				-	0,04	4,13	10,03	10,00	1,15			0,38	100,37	100,75	2.510,91	58.746,09	69.987,41				
420+0.000	0,07	0,08				-	-	3,45	7,58	10,00	0,83			-	75,83	75,83	2.511,74	58.746,09	70.063,24				
421+0.000	0,06	0,13				-	-	2,05	5,50	10,00	1,32			-	55,04	55,04	2.513,06	58.746,09	70.118,28				
422+0.000	0,73	0,79				-	-	0,66	2,71	10,00	7,96			-	27,15	27,15	2.521,02	58.746,09	70.145,43				
423+0.000	1,23	1,96				-	-	0,59	1,25	10,00	19,59			-	12,58	12,58	2.540,61	58.746,09	70.158,01				
424+0.000	2,52	3,75				-	-	0,21	0,80	10,00	37,46			-	8,09	8,09	2.578,07	58.746,09	70.166,10				
425+0.000	1,33	3,85				-	-	0,07	0,28	10,00	38,48			-	2,81	2,81	2.616,55	58.746,09	70.168,91				
426+0.000	0,99	2,32				-	-	0,17	0,24	10,00	23,17			-	2,38	2,38	2.639,72	58.746,09	70.171,29				
427+0.000	-	0,99				-	-	3,10	3,27	10,00	9,87			-	32,72	32,72	2.649,59	58.746,09	70.204,01				
428+0.000	-	-				1,94	1,94	7,86	10,96	10,00	-			19,37	109,68	129,05	2.649,59	58.765,46	70.313,69				
429+0.000	-	-				7,95	9,89	8,63	16,49	10,00	-			98,91	164,91	263,82	2.649,59	58.864,37	70.478,60				
430+0.000	-	-				12,34	20,29	9,29	17,92	10,00	-			202,94	179,13	382,07	2.649,59	59.067,31	70.657,73				
431+0.000	-	-				15,43	27,77	9,99	19,28	10,00	-			277,71	192,82	470,53	2.649,59	59.345,02	70.850,55				
432+0.000	-	-				17,82	33,25	10,17	20,16	10,00	-			332,52	201,66	534,18	2.649,59	59.677,54	71.052,21				

Engenharia e Consultoria

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SINFRA-PRO-2026/06335-17A



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Engenharia e Consultoria

HASH: aaaa1b083bca3191e09b79c9d243765274868d57ce75101969766c21761d937. Documento assinado digitalmente, valide em
https://aquisicoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ7Y-38HZ-7N8A-8P-UT. Assinado por: AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026
15:35:39 por AMANDA ARAUJO.



Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
										Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
433+0,000	-	-			19,95	37,77	10,49	20,66	10,00	-		377,67	206,72	584,39	2.649,59	60.055,20	71.258,93
434+0,000	-	-			20,08	40,03	10,15	20,64	10,00	-		400,28	206,48	606,76	2.649,59	60.455,48	71.465,41
435+0,000	-	-			20,67	40,75	10,36	20,51	10,00	-		407,56	205,03	612,59	2.649,59	60.863,04	71.670,44
436+0,000	-	-			21,20	41,87	10,49	20,85	10,00	-		418,72	208,46	627,18	2.649,59	61.281,75	71.878,90
437+0,000	-	-			21,23	42,43	10,38	20,87	10,00	-		424,26	208,76	633,02	2.649,59	61.706,02	72.087,66
438+0,000	-	-			19,55	40,78	10,52	20,90	10,00	-		407,78	209,02	616,80	2.649,59	62.113,80	72.296,68
439+0,000	-	-			17,10	36,65	10,30	20,82	10,00	-		366,49	208,17	574,66	2.649,59	62.480,28	72.504,85
440+0,000	-	-			13,13	30,23	9,78	20,08	10,00	-		302,33	200,70	503,03	2.649,59	62.782,62	72.705,55
441+0,000	-	-			9,06	22,19	8,69	18,47	10,00	-		221,95	184,61	406,56	2.649,59	63.004,57	72.890,16
442+0,000	-	-			5,21	14,27	8,43	17,12	10,00	-		142,75	171,13	313,88	2.649,59	63.147,31	73.061,29
443+0,000	-	-			3,70	8,91	8,36	16,79	10,00	-		89,10	167,84	256,94	2.649,59	63.236,41	73.229,13
444+0,000	-	-			1,81	5,51	8,09	16,45	10,00	-		55,07	164,44	219,51	2.649,59	63.291,48	73.393,57
445+0,000	-	-			0,85	2,66	7,41	15,50	10,00	-		26,60	154,96	181,56	2.649,59	63.318,09	73.548,53
446+0,000	-	-			1,14	1,99	8,00	15,41	10,00	-		19,93	154,05	173,98	2.649,59	63.338,01	73.702,58
447+0,000	-	-			2,35	3,49	8,17	16,17	10,00	-		34,92	161,70	196,62	2.649,59	63.372,93	73.864,28
448+0,000	-	-			4,22	6,57	8,26	16,43	10,00	-		65,68	164,40	230,08	2.649,59	63.438,62	74.028,68
449+0,000	-	-			5,71	9,93	8,63	16,89	10,00	-		99,28	168,96	268,24	2.649,59	63.537,89	74.197,64
450+0,000	-	-			7,13	12,84	8,89	17,52	10,00	-		128,36	175,25	303,61	2.649,59	63.666,25	74.372,89
451+0,000	-	-			8,39	15,52	9,26	18,15	10,00	-		155,21	181,48	336,69	2.649,59	63.821,46	74.554,37
452+0,000	-	-			9,98	18,37	9,54	18,80	10,00	-		183,70	188,01	371,71	2.649,59	64.005,16	74.742,38
453+0,000	-	-			10,86	20,84	9,57	19,11	10,00	-		208,41	191,07	399,48	2.649,59	64.213,56	74.933,45
454+0,000	-	-			14,01	24,87	9,89	19,46	10,00	-		248,76	194,45	443,21	2.649,59	64.462,32	75.127,90
455+0,000	-	-			17,17	31,18	10,63	20,52	10,00	-		311,86	205,14	517,00	2.649,59	64.774,19	75.333,04
456+0,000	-	-			17,96	35,13	10,61	21,24	10,00	-		351,30	212,48	563,78	2.649,59	65.125,48	75.545,52
457+0,000	-	-			17,84	35,80	10,80	21,41	10,00	-		357,99	214,10	572,09	2.649,59	65.483,47	75.759,62
458+0,000	-	-			17,49	35,33	10,73	21,53	10,00	-		353,36	215,16	568,52	2.649,59	65.836,82	75.974,78
459+0,000	-	-			16,10	33,59	10,38	21,11	10,00	-		335,89	211,10	546,99	2.649,59	66.172,71	76.185,88
460+0,000	-	-			14,44	30,54	10,12	20,50	10,00	-		305,37	205,10	510,47	2.649,59	66.478,08	76.390,98
461+0,000	-	-			11,78	26,22	9,77	19,89	10,00	-		262,18	198,96	461,14	2.649,59	66.740,26	76.589,94
462+0,000	-	-			10,07	21,85	9,60	19,37	10,00	-		218,46	193,75	412,21	2.649,59	66.958,72	76.783,69
463+0,000	-	-			8,38	18,45	9,21	18,81	10,00	-		184,49	188,08	372,57	2.649,59	67.143,21	76.971,77
464+0,000	-	-			6,38	14,76	8,75	17,96	10,00	-		147,59	179,57	327,16	2.649,59	67.290,80	77.151,34
465+0,000	-	-			5,44	11,82	8,64	17,39	10,00	-		118,21	173,90	292,11	2.649,59	67.409,01	77.325,24
466+0,000	-	-			4,81	10,25	8,60	17,24	10,00	-		102,53	172,35	274,88	2.649,59	67.511,53	77.497,59
467+0,000	-	-			4,24	9,05	8,53	17,13	10,00	-		90,51	171,32	261,83	2.649,59	67.602,05	77.668,91
468+0,000	-	-			3,94	8,18	8,13	16,66	10,00	-		81,80	166,63	248,43	2.649,59	67.683,85	77.835,54
469+0,000	-	-			4,55	8,49	8,35	16,48	10,00	-		84,86	164,78	249,64	2.649,59	67.768,71	78.000,32
470+0,000	-	-			4,91	9,46	8,51	16,86	10,00	-		94,60	168,52	263,12	2.649,59	67.863,31	78.168,84
471+0,000	-	-			4,79	9,70	8,19	16,70	10,00	-		97,01	166,96	263,97	2.649,59	67.960,32	78.335,80
472+0,000	-	-			4,20	8,99	7,96	16,15	10,00	-		89,87	161,57	251,44	2.649,59	68.050,19	78.497,37
473+0,000	-	-			5,69	9,89	8,40	16,36	10,00	-		98,93	163,62	262,55	2.649,59	68.149,12	78.660,95
474+0,000	-	-			5,86	11,55	8,67	17,07	10,00	-		115,52	170,68	286,20	2.649,59	68.264,65	78.831,67
475+0,000	-	-			6,32	12,18	8,75	17,42	10,00	-		121,82	174,11	295,93	2.649,59	68.386,47	79.005,78
476+0,000	-	-			6,87	13,19	9,03	17,78	10,00	-		131,97	177,64	309,61	2.649,59	68.518,43	79.183,42
477+0,000	-	-			7,49	14,36	9,10	18,13	10,00	-		143,68	181,12	324,80	2.649,59	68.662,11	79.364,54
478+0,000	-	-			8,28	15,77	9,31	18,41	10,00	-		157,74	184,02	341,76	2.649,59	68.819,86	79.548,56
479+0,000	-	-			8,53	16,81	9,21	18,52	10,00	-		168,07	185,25	353,32	2.649,59	68.987,93	79.733,81
480+0,000	-	-			9,67	18,20	9,28	18,49	10,00	-		181,99	184,92	366,91	2.649,59	69.169,92	79.918,73
481+0,000	-	-			10,65	20,32	9,29	18,57	10,00	-		203,26	185,59	388,85	2.649,59	69.373,19	80.104,32
482+0,000	-	-			11,71	22,36	9,53	18,82	10,00	-		223,62	188,13	411,75	2.649,59	69.596,80	80.292,45
483+0,000	-	-			10,85	22,56	9,76	19,29	10,00	-		225,59	192,86	418,45	2.649,59	69.822,40	80.485,31
483+10,139	-	-			10,80	21,65	9,59	19,35	5,07	-		109,78	98,05	207,83	2.649,59	69.932,18	80.583,36
483+15,000	-	-			10,86	21,66	9,54	19,13	2,43	-		52,65	46,51	99,16	2.649,59	69.984,83	80.629,87
484+0,000	-	-			10,83	21,69	9,55	19,09	2,50	-		54,21	47,76	101,97	2.649,59	70.039,04	80.677,63
484+5,000	-	-			10,60	21,43	9,55	19,10	2,50	-		53,57	47,76	101,33	2.649,59	70.092,62	80.725,39
484+10,000	-	-			10,44	21,04	9,53	19,08	2,50	-		52,59	47,71	100,30	2.649,59	70.145,21	80.773,10

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Cálculo de Volumes Segmento 11,60M - 13,644km																		
Estaca	Áreas								Semi-distância	Volumes								
	Corte				Aterro					Parcial						Acumulado		
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro		
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.	
EIXO - MT 208																		
484+15,000	-	-			10,33	20,77	9,48	19,01	2,50	-		51,92	47,53	99,45	2.649,59	70.197,12	80.820,63	
485+0,000	-	-			10,21	20,54	9,42	18,90	2,50	-		51,34	47,26	98,60	2.649,59	70.248,46	80.867,89	
485+5,000	-	-			10,24	20,45	9,50	18,92	2,50	-		51,12	47,31	98,43	2.649,59	70.299,59	80.915,20	
485+10,000	-	-			10,34	20,58	9,59	19,09	2,50	-		51,46	47,71	99,17	2.649,59	70.351,05	80.962,91	
485+15,000	-	-			10,50	20,84	9,67	19,26	2,50	-		52,10	48,14	100,24	2.649,59	70.403,15	81.011,05	
486+0,000	-	-			10,54	21,04	9,71	19,38	2,50	-		52,59	48,47	101,06	2.649,59	70.455,74	81.059,52	
486+5,000	-	-			10,30	20,84	9,70	19,41	2,50	-		52,09	48,53	100,62	2.649,59	70.507,83	81.108,05	
486+10,000	-	-			10,13	20,43	9,71	19,41	2,50	-		51,06	48,53	99,59	2.649,59	70.558,89	81.156,58	
486+15,000	-	-			10,23	20,36	9,80	19,51	2,50	-		50,89	48,78	99,67	2.649,59	70.609,78	81.205,36	
487+0,000	-	-			10,43	20,66	9,88	19,68	2,50	-		51,64	49,22	100,86	2.649,59	70.661,42	81.254,58	
487+5,000	-	-			10,80	21,23	9,97	19,85	2,50	-		53,07	49,64	102,71	2.649,59	70.714,50	81.304,22	
487+10,000	-	-			11,36	22,16	10,08	20,05	2,50	-		55,40	50,12	105,52	2.649,59	70.769,89	81.354,34	
487+15,000	-	-			12,08	23,44	10,22	20,30	2,50	-		58,59	50,74	109,33	2.649,59	70.828,48	81.405,08	
488+0,000	-	-			13,81	25,89	10,32	20,54	2,50	-		64,74	51,33	116,07	2.649,59	70.893,22	81.456,41	
488+5,000	-	-			13,93	27,74	10,27	20,59	2,50	-		69,37	51,47	120,84	2.649,59	70.962,59	81.507,88	
488+10,000	-	-			13,81	27,74	10,16	20,43	2,50	-		69,35	51,07	120,42	2.649,59	71.031,94	81.558,95	
488+10,139	-	-			13,80	27,61	10,16	20,32	0,07	-		1,92	1,41	3,33	2.649,59	71.033,86	81.560,36	
488+15,000	-	-			13,48	27,28	10,08	20,24	2,43	-		66,31	49,19	115,50	2.649,59	71.100,17	81.609,55	
489+0,000	-	-			13,26	26,74	10,14	20,22	2,50	-		66,86	50,56	117,42	2.649,59	71.167,02	81.660,11	
489+5,000	-	-			13,45	26,71	10,19	20,33	2,50	-		66,79	50,83	117,62	2.649,59	71.233,82	81.710,94	
489+10,000	-	-			13,59	27,04	10,29	20,48	2,50	-		67,60	51,21	118,81	2.649,59	71.301,41	81.762,15	
489+15,000	-	-			13,68	27,27	10,40	20,69	2,50	-		68,17	51,73	119,90	2.649,59	71.369,58	81.813,88	
490+0,000	-	-			13,97	27,65	10,39	20,79	2,50	-		69,13	51,98	121,11	2.649,59	71.438,71	81.865,86	
490+5,000	-	-			14,61	28,58	10,20	20,59	2,50	-		71,45	51,49	122,94	2.649,59	71.510,16	81.917,35	
490+10,000	-	-			14,94	29,55	10,26	20,46	2,50	-		73,87	51,15	125,02	2.649,59	71.584,04	81.968,50	
490+15,000	-	-			15,09	30,03	10,28	20,54	2,50	-		75,08	51,34	126,42	2.649,59	71.659,12	82.019,84	
491+0,000	-	-			15,16	30,25	10,26	20,54	2,50	-		75,63	51,35	126,98	2.649,59	71.734,75	82.071,19	
491+5,000	-	-			15,23	30,39	10,25	20,51	2,50	-		75,98	51,25	127,23	2.649,59	71.810,73	82.122,44	
491+10,000	-	-			15,36	30,59	10,24	20,49	2,50	-		76,47	51,22	127,69	2.649,59	71.887,20	82.173,66	
491+15,000	-	-			15,54	30,90	10,25	20,49	2,50	-		77,25	51,23	128,48	2.649,59	71.964,45	82.224,89	
492+0,000	-	-			15,66	31,20	10,26	20,51	2,50	-		78,02	51,27	129,29	2.649,59	72.042,47	82.276,16	
492+5,000	-	-			15,50	31,16	10,22	20,48	2,50	-		77,90	51,20	129,10	2.649,59	72.120,37	82.327,36	
492+10,000	-	-			15,35	30,85	10,20	20,42	2,50	-		77,11	51,06	128,17	2.649,59	72.197,48	82.378,42	
492+15,000	-	-			15,21	30,56	10,20	20,40	2,50	-		76,39	51,01	127,40	2.649,59	72.273,87	82.429,43	
493+0,000	-	-			15,02	30,23	10,18	20,38	2,50	-		75,59	50,92	126,51	2.649,59	72.349,46	82.480,35	
493+5,000	-	-			14,64	29,66	10,12	20,30	2,50	-		74,17	50,73	124,90	2.649,59	72.423,63	82.531,08	
493+10,000	-	-			14,20	28,84	10,06	20,18	2,50	-		72,11	50,44	122,55	2.649,59	72.495,74	82.581,52	
493+15,000	-	-			13,72	27,92	9,98	20,04	2,50	-		69,80	50,11	119,91	2.649,59	72.565,54	82.631,63	
494+0,000	-	-			13,31	27,03	9,94	19,92	2,50	-		67,57	49,82	117,39	2.649,59	72.633,10	82.681,45	
494+5,000	-	-			13,17	26,48	9,94	19,88	2,50	-		66,21	49,69	115,90	2.649,59	72.699,31	82.731,14	
494+10,000	-	-			13,06	26,23	9,91	19,85	2,50	-		65,59	49,60	115,19	2.649,59	72.764,90	82.780,74	
494+15,000	-	-			12,98	26,04	9,88	19,79	2,50	-		65,12	49,47	114,59	2.649,59	72.830,02	82.830,21	
495+0,000	-	-			12,85	25,83	9,89	19,77	2,50	-		64,58	49,44	114,02	2.649,59	72.894,60	82.879,65	
495+5,000	-	-			12,51	25,36	9,95	19,84	2,50	-		63,40	49,61	113,01	2.649,59	72.958,00	82.929,26	
495+10,000	-	-			12,14	24,65	10,00	19,95	2,50	-		61,63	49,86	111,49	2.649,59	73.019,62	82.979,12	
495+15,000	-	-			11,74	23,88	10,02	20,02	2,50	-		59,70	50,04	109,74	2.649,59	73.079,33	83.029,16	
496+0,000	-	-			11,43	23,17	10,00	20,02	2,50	-		57,94	50,03	107,97	2.649,59	73.137,27	83.079,19	
496+5,000	-	-			11,46	22,89	9,98	19,98	2,50	-		57,24	49,95	107,19	2.649,59	73.194,51	83.129,14	
496+10,000	-	-			11,47	22,93	9,94	19,92	2,50	-		57,33	49,81	107,14	2.649,59	73.251,84	83.178,95	
496+15,000	-	-			11,44	22,91	9,90	19,84	2,50	-		57,28	49,60	106,88	2.649,59	73.309,11	83.228,55	
497+0,000	-	-			11,36	22,80	9,87	19,77	2,50	-		57,00	49,42	106,42	2.649,59	73.366,12	83.277,97	
497+5,000	-	-			11,16	22,52	9,88	19,75	2,50	-		56,30	49,36	105,66	2.649,59	73.422,42	83.327,33	
497+10,000	-	-			10,91	22,07	9,89	19,77	2,50	-		55,19	49,40	104,59	2.649,59	73.477,61	83.376,73	
497+15,000	-	-			10,64	21,55	9,90	19,79	2,50	-		53,88	49,46	103,34	2.649,59	73.531,49	83.426,19	
498+0,000	-	-			11,21	21,85	9,90	19,80	2,50	-		54,61	49,51	104,12	2.649,59	73.586,10	83.475,70	
498+5,000	-	-			11,45	22,66	9,89	19,79	2,50	-		56,65	49,46	106,11	2.649,59	73.642,75	83.525,16	

Engenharia e Consultoria
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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Soma-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
										Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
498+10.000	-	-			11.67	23.12	9.87	19.76	2.50	-		57.79	49.39	107.18	2.649,59	73.700,53	83.574,55
498+15.000	-	-			11.85	23.52	9.90	19.77	2.50	-		58.80	49.41	108.21	2.649,59	73.759,34	83.623,96
499+0.000	-	-			11.95	23.80	9.91	19.81	2.50	-		59.51	49.50	109.01	2.649,59	73.818,84	83.673,46
499+5.000	-	-			11.85	23.80	9.90	19.81	2.50	-		59.50	49.52	109.02	2.649,59	73.878,35	83.722,98
499+6.859	-	-			11.82	23.67	9.89	19.79	0.93	-		22.01	18.40	40.41	2.649,59	73.900,36	83.741,38
499+10.000	-	-			11.77	23.59	9.89	19.78	1.57	-		37.06	31.06	68.12	2.649,59	73.937,41	83.772,44
499+15.000	-	-			11.70	23.47	9.88	19.77	2.50	-		58.69	49.43	108.12	2.649,59	73.996,11	83.821,87
500+0.000	-	-			11.59	23.29	9.87	19.75	2.50	-		58.24	49.37	107.61	2.649,59	74.054,35	83.871,24
500+5.000	-	-			11.29	22.88	9.82	19.69	2.50	-		57.20	49.22	106.42	2.649,59	74.111,55	83.920,46
500+10.000	-	-			10.91	22.20	9.77	19.59	2.50	-		55.48	49.00	104.48	2.649,59	74.167,04	83.969,46
500+15.000	-	-			10.46	21.37	9.73	19.50	2.50	-		53.41	48.77	102.18	2.649,59	74.220,45	84.018,23
501+0.000	-	-			9.96	20.42	9.68	19.41	2.50	-		51.05	48.52	99.57	2.649,59	74.271,49	84.066,75
501+5.000	-	-			9.52	19.48	9.59	19.27	2.50	-		48.69	48.20	96.89	2.649,59	74.320,18	84.114,95
501+10.000	-	-			9.01	18.53	9.49	19.08	2.50	-		46.32	47.70	94.02	2.649,59	74.366,50	84.162,65
501+15.000	-	-			8.51	17.52	9.37	18.86	2.50	-		43.79	47.15	90.94	2.649,59	74.410,30	84.209,80
502+0.000	-	-			8.07	16.58	9.30	18.67	2.50	-		41.44	46.67	88.11	2.649,59	74.451,74	84.256,47
502+5.000	-	-			7.85	15.92	9.31	18.61	2.50	-		39.82	46.50	86.32	2.649,59	74.491,55	84.302,97
502+10.000	-	-			7.65	15.50	9.32	18.63	2.50	-		38.76	46.56	85.32	2.649,59	74.530,31	84.349,53
502+15.000	-	-			7.45	15.10	9.34	18.66	2.50	-		37.74	46.65	84.39	2.649,59	74.568,05	84.396,18
503+0.000	-	-			7.30	14.75	9.34	18.68	2.50	-		36.86	46.70	83.56	2.649,59	74.604,91	84.442,88
503+5.000	-	-			7.38	14.68	9.34	18.68	2.50	-		36.70	46.71	83.41	2.649,59	74.641,61	84.489,59
503+10.000	-	-			7.49	14.87	9.37	18.71	2.50	-		37.18	46.78	83.96	2.649,59	74.678,78	84.536,37
503+15.000	-	-			7.61	15.10	9.40	18.77	2.50	-		37.73	46.94	84.67	2.649,59	74.716,52	84.583,31
504+0.000	-	-			7.76	15.37	9.44	18.84	2.50	-		38.41	47.13	85.54	2.649,59	74.754,93	84.630,44
504+5.000	-	-			8.00	15.76	9.51	18.95	2.50	-		39.39	47.39	86.78	2.649,59	74.794,32	84.677,83
504+10.000	-	-			8.19	16.19	9.58	19.09	2.50	-		40.46	47.73	88.19	2.649,59	74.834,78	84.725,56
504+15.000	-	-			8.36	16.55	9.65	19.23	2.50	-		41.38	48.07	89.45	2.649,59	74.876,16	84.773,63
505+0.000	-	-			8.65	17.01	9.66	19.31	2.50	-		42.55	48.26	90.81	2.649,59	74.918,71	84.821,89
505+5.000	-	-			9.25	17.90	9.63	19.29	2.50	-		44.77	48.20	92.97	2.649,59	74.963,48	84.870,09
505+10.000	-	-			9.74	18.99	9.58	19.21	2.50	-		47.47	48.02	95.49	2.649,59	75.010,95	84.918,11
505+15.000	-	-			10.11	19.85	9.55	19.13	2.50	-		49.62	47.84	97.46	2.649,59	75.060,57	84.965,95
506+0.000	-	-			10.38	20.49	9.54	19.09	2.50	-		51.23	47.73	98.96	2.649,59	75.111,81	85.013,68
506+5.000	-	-			10.61	20.99	9.60	19.14	2.50	-		52.47	47.85	100.32	2.649,59	75.164,28	85.061,53
506+10.000	-	-			10.87	21.48	9.65	19.25	2.50	-		53.70	48.12	101.82	2.649,59	75.217,98	85.109,65
506+15.000	-	-			11.18	22.05	9.70	19.35	2.50	-		55.14	48.37	103.51	2.649,59	75.273,12	85.158,02
507+0.000	-	-			11.52	22.70	9.77	19.47	2.50	-		56.77	48.66	105.43	2.649,59	75.329,89	85.206,68
507+5.000	-	-			11.76	23.28	9.83	19.60	2.50	-		58.20	48.99	107.19	2.649,59	75.388,09	85.255,67
507+10.000	-	-			11.89	23.65	9.90	19.73	2.50	-		59.11	49.34	108.45	2.649,59	75.447,20	85.305,01
507+15.000	-	-			11.91	23.80	9.99	19.89	2.50	-		59.48	49.75	109.23	2.649,59	75.506,68	85.354,76
508+0.000	-	-			11.90	23.81	10.08	20.07	2.50	-		59.51	50.19	109.70	2.649,59	75.566,19	85.404,95
508+5.000	-	-			12.20	24.10	10.15	20.23	2.50	-		60.25	50.58	110.83	2.649,59	75.626,44	85.455,53
508+10.000	-	-			12.58	24.78	10.19	20.34	2.50	-		61.96	50.85	112.81	2.649,59	75.688,40	85.506,38
508+15.000	-	-			13.04	25.62	10.24	20.43	2.50	-		64.06	51.08	115.14	2.649,59	75.752,46	85.557,46
509+0.000	-	-			13.47	26.51	10.27	20.51	2.50	-		66.28	51.26	117.54	2.649,59	75.818,74	85.608,72
509+5.000	-	-			13.29	26.76	10.16	20.43	2.50	-		66.90	51.06	117.96	2.649,59	75.885,63	85.659,78
509+10.000	-	-			13.16	26.45	10.05	20.21	2.50	-		66.12	50.53	116.65	2.649,59	75.951,76	85.710,31
509+15.000	-	-			13.07	26.23	9.96	20.01	2.50	-		65.59	50.03	115.62	2.649,59	76.017,34	85.760,34
510+0.000	-	-			13.08	26.15	9.93	19.89	2.50	-		65.38	49.72	115.10	2.649,59	76.082,72	85.810,06
510+3.580	-	-			13.59	26.67	10.02	19.95	1.79	-		47.73	35.71	83.44	2.649,59	76.130,46	85.845,77
510+5.000	-	-			13.80	27.39	10.05	20.07	0.71	-		19.45	14.25	33.70	2.649,59	76.149,91	85.860,02
510+10.000	-	-			14.43	28.23	10.16	20.21	2.50	-		70.58	50.53	121.11	2.649,59	76.220,48	85.910,55
510+15.000	-	-			15.01	29.44	10.25	20.41	2.50	-		73.62	51.01	124.63	2.649,59	76.294,10	85.961,56
511+0.000	-	-			15.55	30.56	10.31	20.56	2.50	-		76.42	51.39	127.81	2.649,59	76.370,52	86.012,95
511+5.000	-	-			15.43	30.98	10.22	20.53	2.50	-		77.45	51.34	128.79	2.649,59	76.447,97	86.064,29
511+10.000	-	-			15.33	30.76	10.18	20.40	2.50	-		76.89	51.02	127.91	2.649,59	76.524,86	86.115,31
511+15.000	-	-			15.25	30.58	10.14	20.32	2.50	-		76.45	50.81	127.26	2.649,59	76.601,32	86.166,12

Engenharia e Consultoria

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Cálculo de Volumes Segmento 11,60M - 13,644km																		
Estaca	Áreas								Semi-distância	Volumes								
	Corte				Aterro					Parcial				Acumulado				
										Corte		Aterro		Corte		Aterro		
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.	
EIXO - MT 208																		
512+0,000	-	-			15,18	30,43	10,10	20,24	2,50	-			76,09	50,60	126,69	2,649,59	76.677,40	86.216,72
512+5,000	-	-			15,10	30,28	10,03	20,13	2,50	-			75,70	50,33	126,03	2,649,59	76.753,10	86.267,05
512+10,000	-	-			15,20	30,30	10,00	20,03	2,50	-			75,74	50,09	125,83	2,649,59	76.828,85	86.317,14
512+15,000	-	-			15,31	30,51	9,99	19,99	2,50	-			76,29	49,97	126,26	2,649,59	76.905,13	86.367,11
513+0,000	-	-			15,44	30,75	10,05	20,04	2,50	-			76,88	50,10	126,98	2,649,59	76.982,01	86.417,21
513+5,000	-	-			15,14	30,58	10,03	20,08	2,50	-			76,46	50,18	126,64	2,649,59	77.058,48	86.467,39
513+10,000	-	-			14,84	29,98	10,00	20,03	2,50	-			74,95	50,08	125,03	2,649,59	77.133,43	86.517,47
513+15,000	-	-			14,51	29,35	9,99	19,99	2,50	-			73,38	49,97	123,35	2,649,59	77.206,80	86.567,44
514+0,000	-	-			14,17	28,68	9,93	19,92	2,50	-			71,70	49,78	121,48	2,649,59	77.278,50	86.617,22
514+5,000	-	-			13,84	28,01	9,88	19,81	2,50	-			70,03	49,51	119,54	2,649,59	77.348,53	86.666,73
514+10,000	-	-			13,54	27,38	9,83	19,71	2,50	-			68,47	49,25	117,72	2,649,59	77.417,00	86.715,98
514+15,000	-	-			13,26	26,80	9,78	19,61	2,50	-			67,02	48,99	116,01	2,649,59	77.484,02	86.764,97
515+0,000	-	-			13,02	26,28	9,74	19,52	2,50	-			65,72	48,77	114,49	2,649,59	77.549,74	86.813,74
515+3,580	-	-			12,58	25,60	9,69	19,43	1,79	-			45,83	34,77	80,60	2,649,59	77.595,57	86.848,51
516+0,000	-	-			10,83	23,41	9,52	19,21	8,21	-			192,16	157,80	349,96	2,649,59	77.787,73	87.006,31
517+0,000	-	-			9,52	20,35	9,30	18,82	10,00	-			203,51	188,22	391,73	2,649,59	77.991,24	87.194,53
518+0,000	-	-			7,87	17,39	8,93	18,23	10,00	-			173,91	182,29	356,20	2,649,59	78.165,15	87.376,82
519+0,000	-	-			6,96	14,83	9,04	17,97	10,00	-			148,23	179,78	328,01	2,649,59	78.313,38	87.556,60
520+0,000	-	-			6,44	13,40	9,07	18,11	10,00	-			133,95	181,13	315,08	2,649,59	78.447,33	87.737,73
521+0,000	-	-			6,86	13,30	8,93	18,00	10,00	-			133,00	179,98	312,98	2,649,59	78.580,32	87.917,71
522+0,000	-	-			8,02	14,88	9,22	18,15	10,00	-			148,85	181,48	330,33	2,649,59	78.729,17	88.099,19
523+0,000	-	-			4,77	12,79	8,80	18,02	10,00	-			127,94	180,21	308,15	2,649,59	78.857,11	88.279,40
524+0,000	-	-			6,96	11,73	9,13	17,93	10,00	-			117,33	179,35	296,68	2,649,59	78.974,44	88.458,75
525+0,000	-	-			9,90	16,86	9,53	18,66	10,00	-			168,66	186,62	355,28	2,649,59	79.143,10	88.645,37
526+0,000	-	-			12,11	22,01	9,78	19,31	10,00	-			220,09	193,14	413,23	2,649,59	79.363,19	88.838,51
527+0,000	-	-			13,45	25,56	9,93	19,71	10,00	-			255,59	197,11	452,70	2,649,59	79.618,78	89.035,62
528+0,000	-	-			13,27	26,72	9,93	19,86	10,00	-			267,18	198,60	465,78	2,649,59	79.885,96	89.234,22
529+0,000	-	-			12,15	25,42	9,87	19,80	10,00	-			254,21	198,01	452,22	2,649,59	80.140,17	89.432,23
530+0,000	-	-			10,80	22,95	9,47	19,34	10,00	-			229,57	193,33	422,90	2,649,59	80.369,74	89.625,56
531+0,000	-	-			8,14	18,94	9,07	18,54	10,00	-			189,39	185,34	374,73	2,649,59	80.559,13	89.810,90
532+0,000	-	-			7,83	15,97	9,08	18,15	10,00	-			159,68	181,45	341,13	2,649,59	80.718,81	89.992,35
533+0,000	-	-			6,45	14,28	8,98	18,06	10,00	-			142,86	180,51	323,37	2,649,59	80.861,68	90.172,86
534+0,000	-	-			6,40	12,85	8,86	17,84	10,00	-			128,49	178,45	306,94	2,649,59	80.990,17	90.351,31
535+0,000	-	-			5,35	11,75	8,76	17,62	10,00	-			117,45	176,32	293,77	2,649,59	81.107,62	90.527,63
536+0,000	-	-			9,23	14,58	9,23	17,99	10,00	-			145,83	179,90	325,73	2,649,59	81.253,46	90.707,53
537+0,000	-	-			8,82	18,05	9,23	18,46	10,00	-			180,49	184,61	365,10	2,649,59	81.433,95	90.892,14
538+0,000	-	-			8,81	17,63	9,30	18,53	10,00	-			176,22	185,42	361,64	2,649,59	81.610,17	91.077,56
539+0,000	-	-			9,40	18,21	9,30	18,60	10,00	-			182,10	185,99	368,09	2,649,59	81.792,27	91.263,55
540+0,000	-	-			8,69	18,09	9,29	18,59	10,00	-			180,91	185,89	366,80	2,649,59	81.973,18	91.449,44
541+0,000	-	-			8,92	17,61	9,32	18,61	10,00	-			176,06	186,15	362,21	2,649,59	82.149,24	91.635,59
542+0,000	-	-			9,95	18,87	9,41	18,73	10,00	-			188,69	187,30	375,99	2,649,59	82.337,93	91.822,89
543+0,000	-	-			10,14	20,09	9,46	18,87	10,00	-			200,89	188,73	389,62	2,649,59	82.538,82	92.011,62
544+0,000	-	-			9,77	19,91	9,41	18,87	10,00	-			199,10	188,66	387,76	2,649,59	82.737,92	92.200,28
545+0,000	-	-			9,98	19,75	9,49	18,90	10,00	-			197,47	188,99	386,46	2,649,59	82.935,38	92.389,27
546+0,000	-	-			9,14	19,12	9,32	18,81	10,00	-			191,12	188,17	379,29	2,649,59	83.126,50	92.577,44
547+0,000	-	-			8,96	18,10	9,20	18,52	10,00	-			180,92	185,29	366,21	2,649,59	83.307,42	92.762,73
548+0,000	-	-			8,65	17,61	9,09	18,29	10,00	-			176,05	182,95	359,00	2,649,59	83.483,47	92.945,68
549+0,000	-	-			8,65	17,30	9,09	18,18	10,00	-			172,99	181,75	354,74	2,649,59	83.656,46	93.127,43
550+0,000	-	-			9,21	17,86	9,07	18,16	10,00	-			178,56	181,60	360,16	2,649,59	83.835,02	93.309,03
551+0,000	-	-			8,83	18,04	9,11	18,18	10,00	-			180,41	181,75	362,16	2,649,59	84.015,43	93.490,78
552+0,000	-	-			8,25	17,08	8,93	18,04	10,00	-			170,86	180,29	351,15	2,649,59	84.186,29	93.671,07
553+0,000	-	-			6,76	15,01	8,84	17,77	10,00	-			150,14	177,68	327,82	2,649,59	84.336,44	93.848,75
554+0,000	-	-			5,48	12,24	8,63	17,47	10,00	-			122,45	174,69	297,14	2,649,59	84.458,89	94.023,44
555+0,000	-	-			4,89	10,37	8,50	17,13	10,00	-			103,77	171,27	275,04	2,649,59	84.562,67	94.194,71
556+0,000	-	-			4,39	9,28	8,49	16,99	10,00	-			92,85	169,87	262,72	2,649,59	84.655,52	94.364,58
557+0,000	-	-			3,73	8,12	8,40	16,89	10,00	-			81,23	168,84	250,07	2,649,59	84.736,75	94.533,42

Engenharia e Consultoria

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Cálculo de Volumes Segmento 11,60M - 13,644km																		
Estaca	Áreas								Soma-distância	Volumes								
	Corte				Aterro					Parcial					Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro			Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.	
EIXO - MT 208																		
558+0,000	-	-			3,67	7,40	8,20	16,60	10,00	-		73,98	165,94	239,92	2.649,59	84.810,73	94.699,36	
559+0,000	-	-			4,50	8,17	8,31	16,51	10,00	-		81,69	165,05	246,74	2.649,59	84.892,43	94.864,41	
560+0,000	-	-			2,38	6,88	8,07	16,38	10,00	-		68,84	163,75	232,59	2.649,59	84.961,27	95.028,16	
561+0,000	-	-			1,67	4,05	8,03	16,10	10,00	-		40,47	161,00	201,47	2.649,59	85.001,74	95.189,16	
562+0,000	-	-			0,83	2,50	7,84	15,87	10,00	-		24,97	158,74	183,71	2.649,59	85.026,71	95.347,90	
563+0,000	-	-			0,55	1,38	7,42	15,26	10,00	-		13,82	152,65	166,47	2.649,59	85.040,54	95.500,55	
564+0,000	-	-			0,20	0,75	6,92	14,34	10,00	-		7,50	143,47	150,97	2.649,59	85.048,03	95.644,02	
564+18,452	-	-			-	0,20	6,46	13,38	9,23	-		1,84	123,46	125,30	2.649,59	85.049,88	95.767,48	
565+0,000	-	-			-	-	6,41	12,87	0,77	-		-	9,96	9,96	2.649,59	85.049,88	95.777,44	
565+5,000	-	-			-	-	6,38	12,79	2,50	-		-	31,98	31,98	2.649,59	85.049,88	95.809,42	
565+10,000	-	-			0,01	0,01	6,42	12,80	2,50	-		0,02	32,02	32,04	2.649,59	85.049,90	95.841,44	
565+15,000	-	-			0,04	0,05	6,54	12,96	2,50	-		0,12	32,42	32,54	2.649,59	85.050,02	95.873,86	
566+0,000	-	-			0,10	0,14	6,72	13,26	2,50	-		0,35	33,15	33,50	2.649,59	85.050,37	95.907,01	
566+3,980	-	-			0,09	0,19	6,82	13,54	1,99	-		0,37	26,96	27,33	2.649,59	85.050,74	95.933,97	
566+5,000	-	-			0,07	0,16	6,84	13,66	0,51	-		0,08	6,97	7,05	2.649,59	85.050,82	95.940,94	
566+10,000	-	-			0,03	0,10	6,86	13,70	2,50	-		0,24	34,25	34,49	2.649,59	85.051,06	95.975,19	
566+15,000	-	-			0,04	0,07	6,89	13,75	2,50	-		0,16	34,38	34,54	2.649,59	85.051,22	96.009,57	
567+0,000	-	-			0,09	0,13	6,92	13,81	2,50	-		0,31	34,53	34,84	2.649,59	85.051,53	96.044,10	
567+5,000	-	-			0,10	0,19	6,87	13,79	2,50	-		0,46	34,49	34,95	2.649,59	85.051,99	96.078,59	
567+9,508	-	-			0,07	0,17	6,77	13,64	2,25	-		0,39	30,73	31,12	2.649,59	85.052,38	96.109,32	
568+0,000	-	-			0,02	0,09	6,78	13,55	5,25	-		0,49	71,04	71,53	2.649,59	85.052,88	96.180,36	
569+0,000	-	-			0,02	0,04	6,14	12,92	10,00	-		0,39	129,13	129,52	2.649,59	85.053,26	96.309,49	
570+0,000	-	-			-	0,02	5,45	11,59	10,00	-		0,19	115,88	116,07	2.649,59	85.053,46	96.425,37	
571+0,000	-	-			-	-	4,63	10,08	10,00	-		-	100,81	100,81	2.649,59	85.053,46	96.526,18	
572+0,000	-	-			-	-	3,99	8,62	10,00	-		-	86,25	86,25	2.649,59	85.053,46	96.612,43	
573+0,000	-	-			0,20	0,20	6,01	10,00	10,00	-		2,03	99,99	102,02	2.649,59	85.055,49	96.712,42	
574+0,000	-	-			0,34	0,54	6,48	12,49	10,00	-		5,44	124,86	130,30	2.649,59	85.060,93	96.837,28	
575+0,000	-	-			0,54	0,88	7,14	13,62	10,00	-		8,80	136,21	145,01	2.649,59	85.069,73	96.973,49	
576+0,000	-	-			1,64	2,18	8,01	15,15	10,00	-		21,81	151,49	173,30	2.649,59	85.091,54	97.124,98	
577+0,000	-	-			2,62	4,26	8,40	16,41	10,00	-		42,63	164,10	206,73	2.649,59	85.134,17	97.289,08	
578+0,000	-	-			3,35	5,97	8,57	16,97	10,00	-		59,69	169,70	229,39	2.649,59	85.193,86	97.458,78	
579+0,000	-	-			4,32	7,67	8,89	17,46	10,00	-		76,67	174,62	251,29	2.649,59	85.270,53	97.633,40	
580+0,000	-	-			5,35	9,67	8,95	17,84	10,00	-		96,72	178,38	275,10	2.649,59	85.367,25	97.811,78	
581+0,000	-	-			5,53	10,88	9,00	17,95	10,00	-		108,85	179,45	288,30	2.649,59	85.476,10	97.991,23	
582+0,000	-	-			4,78	10,31	8,85	17,85	10,00	-		103,06	178,53	281,59	2.649,59	85.579,16	98.169,76	
583+0,000	-	-			4,43	9,21	8,91	17,76	10,00	-		92,02	177,63	269,65	2.649,59	85.671,18	98.347,39	
584+0,000	-	-			5,56	9,99	8,86	17,77	10,00	-		99,91	177,65	277,56	2.649,59	85.771,09	98.525,04	
585+0,000	-	-			4,75	10,31	8,84	17,70	10,00	-		103,16	176,95	280,11	2.649,59	85.874,25	98.701,99	
586+0,000	-	-			4,55	9,30	8,71	17,55	10,00	-		93,05	175,46	268,51	2.649,59	85.967,30	98.877,45	
587+0,000	-	-			4,65	9,20	8,59	17,30	10,00	-		91,98	173,01	264,99	2.649,59	86.059,28	99.050,46	
588+0,000	-	-			3,04	7,69	8,45	17,04	10,00	-		76,81	170,48	247,29	2.649,59	86.136,09	99.220,94	
588+7,680	-	-			3,03	6,07	8,43	16,88	3,84	-		23,30	64,85	88,15	2.649,59	86.159,39	99.285,79	
588+10,000	-	-			3,16	6,19	8,42	16,85	1,16	-		7,18	19,55	26,73	2.649,59	86.166,58	99.305,34	
588+15,000	-	-			3,40	6,56	8,40	16,82	2,50	-		16,41	42,04	58,45	2.649,59	86.182,99	99.347,38	
589+0,000	-	-			3,59	6,99	8,38	16,78	2,50	-		17,48	41,96	59,44	2.649,59	86.200,47	99.389,34	
589+3,620	-	-			3,64	7,23	8,38	16,76	1,81	-		13,09	30,35	43,44	2.649,59	86.213,56	99.419,69	
589+5,000	-	-			3,63	7,27	8,37	16,75	0,69	-		5,02	11,56	16,58	2.649,59	86.218,57	99.431,25	
589+10,000	-	-			3,66	7,29	8,36	16,73	2,50	-		18,22	41,82	60,04	2.649,59	86.236,79	99.473,07	
589+15,000	-	-			3,87	7,53	8,36	16,72	2,50	-		18,82	41,80	60,62	2.649,59	86.255,61	99.514,87	
589+19,560	-	-			4,21	8,08	8,38	16,74	2,28	-		18,41	38,17	56,58	2.649,59	86.274,02	99.553,04	
590+0,000	-	-			4,25	8,46	8,38	16,76	0,22	-		1,86	3,69	5,55	2.649,59	86.275,88	99.556,73	
591+0,000	-	-			5,41	9,66	8,48	16,86	10,00	-		96,58	168,59	265,17	2.649,59	86.372,46	99.725,32	
592+0,000	-	-			10,26	15,67	9,18	17,66	10,00	-		156,68	176,58	333,26	2.649,59	86.529,14	99.901,90	
593+0,000	-	-			15,27	25,53	9,76	18,94	10,00	-		255,28	189,44	444,72	2.649,59	86.784,42	100.091,34	
594+0,000	-	-			21,60	36,87	10,60	20,36	10,00	-		368,66	203,66	572,32	2.649,59	87.153,08	100.295,00	
595+0,000	-	-			33,21	54,81	11,82	22,42	10,00	-		548,10	224,19	772,29	2.649,59	87.701,18	100.519,19	

Engenharia e Consultoria
dunamis

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55 9 9324.5005
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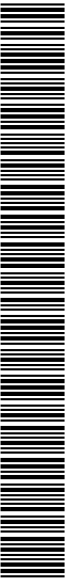
Av. José Estêvão Torquato da Silva, 1225
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dunamis
Engenharia e Consultoria

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https://aquisicoes.seplag.mt.gov.br/flowbee-pub/#/validar/ZZ3Y-38HZ-7N9A-8P.U7. Assinado por AMANDA CRISTINA REZENDE ARAUJO em 15/04/2026. Juntado em 15/04/2026
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Cálculo de Volumes Segmento 11,60M - 13,644km																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte				Aterro					Parcial				Acumulado			
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corpo		Acabamento			Corte		Aterro		Corte		Aterro	
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	Corpo	Acabam.	Corp + Acab.	1ª Cat.	Corpo	Acabam.
EIXO - MT 208																	
596+0,000	-	-			48,23	81,44	13,76	25,58	10,00	-		814,38	255,85	1 070,23	2.649,59	88.515,56	100.775,04
597+0,000	-	-			66,83	115,06	15,47	29,23	10,00	-		1 150,51	292,40	1.442,91	2.649,59	89.666,07	101.067,44
598+0,000	-	-			81,20	148,03	16,83	32,30	10,00	-		1.480,24	323,04	1.803,28	2.649,59	91.146,31	101.390,48
599+0,000	-	-			89,81	171,01	18,06	34,89	10,00	-		1 710,08	348,90	2 058,98	2.649,59	92.856,38	101.739,38
600+0,000	-	-			90,11	179,92	18,58	36,64	10,00	-		1 799,14	366,40	2 165,54	2.649,59	94.655,53	102.105,78
601+0,000	-	-			80,86	170,97	18,98	37,56	10,00	-		1 709,70	375,58	2 085,28	2.649,59	96.365,23	102.481,36
602+0,000	-	-			39,06	119,92	15,34	34,32	10,00	-		1 199,26	343,19	1 542,45	2.649,59	97.564,48	102.824,55
603+0,000	-	-			-	39,06	-	15,34	10,00	-		390,61	153,43	544,04	2.649,59	97.955,09	102.977,98
604+0,000	-	-			-	-	-	-	10,00	-		-	-	-	2.649,59	97.955,09	102.977,98
605+0,000	-	-			-	-	-	-	10,00	-		-	-	-	2.649,59	97.955,09	102.977,98
606+0,000	-	-			-	-	-	-	10,00	-		-	-	-	2.649,59	97.955,09	102.977,98
606+13,620	0,05	0,05			15,48	15,48	7,38	7,38	6,81	0,35		105,43	50,22	155,65	2.649,94	98.060,52	103.028,20
607+0,000	-	0,05			63,36	78,84	19,42	26,80	3,19	0,17		251,52	85,48	337,00	2.650,11	98.312,04	103.113,68
608+0,000	-	-			94,29	157,65	19,95	39,37	10,00	-		1.576,54	393,70	1.970,24	2.650,11	99.888,58	103.507,38
609+0,000	-	-			96,50	190,79	20,24	40,19	10,00	-		1.907,92	401,88	2.309,80	2.650,11	101.796,50	103.909,26
610+0,000	-	-			107,77	204,27	20,37	40,61	10,00	-		2.042,70	406,10	2.448,80	2.650,11	103.839,19	104.315,36
611+0,000	-	-			100,78	208,55	20,08	40,45	10,00	-		2.085,49	404,50	2.489,99	2.650,11	105.924,69	104.719,86
612+0,000	-	-			93,73	194,51	19,62	39,70	10,00	-		1.945,09	396,99	2.342,08	2.650,11	107.869,77	105.116,85
613+0,000	-	-			84,66	178,39	(5,80)	13,82	10,00	-		1.783,87	138,24	1.922,11	2.650,11	109.653,64	105.255,09
614+0,000	-	-			71,20	155,86	(3,88)	(9,68)	10,00	-		1.558,54	(96,72)	1.461,82	2.650,11	111.212,18	105.158,37
615+0,000	-	-			65,81	137,01	(1,76)	(5,64)	10,00	-		1.370,11	(56,44)	1.313,67	2.650,11	112.582,29	105.101,93
616+0,000	-	-			69,38	135,19	0,41	(1,35)	10,00	-		1.351,98	(13,66)	1.338,32	2.650,11	113.934,27	105.088,27
617+0,000	-	-			52,50	121,88	2,29	2,70	10,00	-		1.218,86	26,86	1.245,72	2.650,11	115.153,13	105.115,13
618+0,000	-	-			35,34	87,84	10,75	13,04	10,00	-		878,47	130,33	1.008,80	2.650,11	116.031,60	105.245,46
619+0,000	-	-			44,56	79,90	10,36	21,11	10,00	-		799,06	211,12	1.010,18	2.650,11	116.830,66	105.456,58
620+0,000	-	-			29,29	73,85	9,77	20,13	10,00	-		738,56	201,32	939,88	2.650,11	117.569,22	105.657,90
621+0,000	-	-			25,66	54,95	10,09	19,86	10,00	-		549,49	198,67	748,16	2.650,11	118.118,70	105.856,57
622+0,000	-	-			24,65	50,31	9,98	20,07	10,00	-		503,04	200,76	703,80	2.650,11	118.621,74	106.057,33
623+0,000	-	-			19,55	44,20	9,12	19,10	10,00	-		442,03	190,91	632,94	2.650,11	119.063,77	106.248,24
624+0,000	-	-			26,20	45,75	9,94	19,06	10,00	-		457,56	190,52	648,08	2.650,11	119.521,33	106.438,76
625+0,000	-	-			22,54	48,74	9,49	19,43	10,00	-		487,43	194,34	681,77	2.650,11	120.008,76	106.633,10
626+0,000	-	-			22,01	44,55	6,79	16,28	10,00	-		445,56	162,77	608,33	2.650,11	120.454,32	106.795,87
627+0,000	-	-			17,68	39,69	10,85	17,64	10,00	-		396,91	176,34	573,25	2.650,11	120.851,23	106.972,21
628+0,000	-	-			22,42	40,10	11,21	22,06	10,00	-		400,97	220,60	621,57	2.650,11	121.252,21	107.192,81
629+0,000	-	-			20,38	42,80	10,77	21,98	10,00	-		427,97	219,83	647,80	2.650,11	121.680,17	107.412,64
630+0,000	-	-			16,80	37,18	10,45	21,22	10,00	-		371,73	212,20	583,93	2.650,11	122.051,91	107.624,84
631+0,000	-	-			16,13	32,93	10,42	20,87	10,00	-		329,26	208,72	537,98	2.650,11	122.381,17	107.833,56
632+0,000	-	-			18,85	34,98	10,66	21,08	10,00	-		349,77	210,86	560,63	2.650,11	122.730,94	108.044,42
633+0,000	-	-			15,83	34,68	10,35	21,01	10,00	-		346,82	210,12	556,94	2.650,11	123.077,76	108.254,54
634+0,000	-	-			11,87	27,70	9,84	20,19	10,00	-		277,07	201,85	478,92	2.650,11	123.354,83	108.456,39
635+0,000	-	-			15,97	27,84	10,33	20,17	10,00	-		278,48	201,61	480,09	2.650,11	123.633,31	108.658,00
636+0,000	-	-			13,18	29,15	9,93	20,26	10,00	-		291,54	202,57	494,11	2.650,11	123.924,85	108.860,57
637+0,000	-	-			9,38	22,56	9,66	19,59	10,00	-		225,61	195,88	421,49	2.650,11	124.150,45	109.056,45
638+0,000	-	-			11,26	20,64	9,78	19,44	10,00	-		206,39	194,37	400,76	2.650,11	124.356,85	109.250,82
639+0,000	-	-			14,23	25,49	10,09	19,87	10,00	-		254,84	198,72	453,56	2.650,11	124.611,69	109.449,54
640+0,000	-	-			12,72	26,95	10,14	20,23	10,00	-		269,46	202,38	471,84	2.650,11	124.881,15	109.651,92
641+0,000	-	-			15,72	28,44	10,20	20,34	10,00	-		284,35	203,49	487,84	2.650,11	125.165,51	109.855,41
642+0,000	-	-			16,64	32,36	10,16	20,36	10,00	-		323,58	203,56	527,14	2.650,11	125.489,09	110.058,97
643+0,000	-	-			18,96	35,60	10,57	20,73	10,00	-		356,07	207,14	563,21	2.650,11	125.845,16	110.266,11
644+0,000	-	-			19,33	38,29	10,65	21,22	10,00	-		382,94	212,14	595,08	2.650,11	126.228,10	110.478,25
645+0,000	-	-			21,16	40,49	10,48	21,13	10,00	-		404,94	211,26	616,20	2.650,11	126.633,04	110.689,51
646+0,000	-	-			19,82	40,98	10,36	20,84	10,00	-		409,87	208,35	618,22	2.650,11	127.042,91	110.897,86
647+0,000	-	-			18,79	38,61	10,35	20,71	10,00	-		386,13	207,07	593,20	2.650,11	127.429,05	111.104,93
648+0,000	-	-			19,09	37,88	10,31	20,66	10,00	-		378,77	206,60	585,37	2.650,11	127.807,82	111.311,53
649+0,000	-	-			17,97	37,06	10,26	20,57	10,00	-		370,61	205,74	576,35	2.650,11	128.178,43	111.517,27
650+0,000	-	-			16,31	34,28	10,32	20,58	10,00	-		342,85	205,78	548,63	2.650,11	128.521,28	111.723,05





5 – COORDENADA DO EIXO LOCADO



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✉ dunamisengenharia21@gmail.com

📍 Av. José Estêvão Torquato da Silva, 1225
Jardim Vitória, Cuiabá - MT, 78055-714



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 15/04/2026 às 16:07:40.
Documento Nº: 36151613-8127 - consulta à autenticidade em
<https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=36151613-8127>



SINFRACAP202635417A



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
0+0,000	8859504,7852535	673670,6119610	41+0,000	8860070,3670649	673077,2024616
0+12,651 PC	8859512,4522030	673660,5486728	42+0,000	8860084,3476711	673062,9006208
1+0,000	8859516,9910691	673654,7693791	43+0,000	8860098,3282774	673048,5987801
1+14,020 PT	8859526,1128102	673644,1244750	44+0,000	8860112,3088836	673034,2969393
2+0,000	8859530,1294506	673639,6947801	45+0,000	8860126,2894899	673019,9950986
3+0,000	8859543,5639330	673624,8787522	46+0,000	8860140,2700961	673005,6932578
4+0,000	8859556,9984153	673610,0627242	47+0,000	8860154,2507024	672991,3914170
5+0,000	8859570,4328977	673595,2466963	48+0,000	8860168,2313086	672977,0895763
6+0,000	8859583,8673800	673580,4306683	49+0,000	8860182,2119149	672962,7877355
7+0,000	8859597,3018624	673565,6146404	50+0,000	8860196,1925211	672948,4858948
8+0,000	8859610,7363447	673550,7986124	51+0,000	8860210,1731274	672934,1840540
9+0,000	8859624,1708270	673535,9825845	52+0,000	8860224,1537336	672919,8822133
10+0,000	8859637,6053094	673521,1665565	53+0,000	8860238,1343399	672905,5803725
10+0,958 PC	8859638,2486710	673520,4570343	54+0,000	8860252,1149461	672891,2785318
11+0,000	8859651,1511772	673506,4526065	54+1,504 PC	8860253,1665634	672890,2027514
12+0,000	8859664,9401060	673491,9661928	55+0,000	8860266,0710605	672876,9528083
12+5,966 PT	8859669,0999028	673487,6895999	56+0,000	8860279,9699230	672862,5715326
13+0,000	8859678,9100899	673477,6540026	56+6,370 PT	8860284,3848615	672857,9791838
14+0,000	8859692,8906962	673463,3521619	57+0,000	8860293,8245610	672848,1476305
15+0,000	8859706,8713024	673449,0503211	58+0,000	8860307,6762730	672833,7209166
16+0,000	8859720,8519087	673434,7484804	59+0,000	8860321,5279850	672819,2942026
17+0,000	8859734,8325149	673420,4466396	60+0,000	8860335,3796970	672804,8674887
18+0,000	8859748,8131212	673406,1447989	61+0,000	8860349,2314090	672790,4407747
19+0,000	8859762,7937274	673391,8429581	62+0,000	8860363,0831209	672776,0140608
20+0,000	8859776,7743337	673377,5411174	63+0,000	8860376,9348329	672761,5873469
21+0,000	8859790,7549399	673363,2392766	64+0,000	8860390,7865449	672747,1606329
22+0,000	8859804,7355462	673348,9374359	65+0,000	8860404,6382569	672732,7339190
23+0,000	8859818,7161524	673334,6355951	66+0,000	8860418,4899689	672718,3072050
24+0,000	8859832,6967587	673320,3337544	67+0,000	8860432,3416808	672703,8804911
25+0,000	8859846,6773649	673306,0319136	68+0,000	8860446,1933928	672689,4537771
26+0,000	8859860,6579712	673291,7300729	68+7,938 PC	8860451,6911381	672683,7278135
27+0,000	8859874,6385774	673277,4282321	69+0,000	8860460,0555915	672675,0371482
28+0,000	8859888,6191837	673263,1263913	70+0,000	8860473,9708156	672660,6717033
29+0,000	8859902,5997899	673248,8245506	70+2,021 PT	8860475,3803830	672659,2229277
30+0,000	8859916,5803962	673234,5227098	71+0,000	8860487,9202543	672646,3394614
31+0,000	8859930,5610024	673220,2208691	72+0,000	8860501,8699858	672632,0075045
32+0,000	8859944,5416087	673205,9190283	73+0,000	8860515,8197173	672617,6755475
33+0,000	8859958,5222149	673191,6171876	74+0,000	8860529,7694489	672603,3435905
34+0,000	8859972,5028212	673177,3153468	75+0,000	8860543,7191804	672589,0116336
35+0,000	8859986,4834274	673163,0135061	76+0,000	8860557,6689119	672574,6796766
36+0,000	8860000,4640337	673148,7116653	77+0,000	8860571,6186434	672560,3477196
37+0,000	8860014,4446399	673134,4098246	78+0,000	8860585,5683750	672546,0157627
38+0,000	8860028,4252462	673120,1079838	79+0,000	8860599,5181065	672531,6838057
39+0,000	8860042,4058524	673105,8061431	80+0,000	8860613,4678380	672517,3518487
40+0,000	8860056,3864587	673091,5043023	81+0,000	8860627,4175695	672503,0198918

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QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
82+0,000	8860641,3673010	672488,6879348	131+0,000	8861324,9041456	671786,4220435
83+0,000	8860655,3170326	672474,3559778	131+16,741 TE	8861336,5805008	671774,4257538
84+0,000	8860669,2667641	672460,0240209	132+0,000	8861338,8537976	671772,0900091
85+0,000	8860683,2164956	672445,6920639	133+0,000	8861352,7746636	671757,7300443
86+0,000	8860697,1662271	672431,3601069	134+0,000	8861366,5664322	671743,2462040
87+0,000	8860711,1159587	672417,0281500	135+0,000	8861380,1151732	671728,5350653
88+0,000	8860725,0656902	672402,6961930	136+0,000	8861393,3018039	671713,4988998
89+0,000	8860739,0154217	672388,3642360	136+16,741 EC	8861403,9694279	671700,5981361
90+0,000	8860752,9651532	672374,0322791	137+0,000	8861406,0000819	671698,0486282
91+0,000	8860766,9148847	672359,7003221	138+0,000	8861418,1067474	671682,1307344
92+0,000	8860780,8646163	672345,3683652	139+0,000	8861429,5923836	671665,7590865
93+0,000	8860794,8143478	672331,0364082	139+19,187 CE	8861440,0116091	671649,6490668
94+0,000	8860808,7640793	672316,7044512	140+0,000	8861440,4400036	671648,9579010
95+0,000	8860822,7138108	672302,3724943	141+0,000	8861450,6585358	671631,7665559
96+0,000	8860836,6635424	672288,0405373	142+0,000	8861460,3490116	671614,2716697
97+0,000	8860850,6132739	672273,7085803	143+0,000	8861469,6388900	671596,5604813
98+0,000	8860864,5630054	672259,3766234	144+0,000	8861478,6608701	671578,7111216
99+0,000	8860878,5127369	672245,0446664	144+19,187 ET	8861487,1902979	671561,5244054
100+0,000	8860892,4624684	672230,7127094	145+0,000	8861487,5509260	671560,7955848
101+0,000	8860906,4122000	672216,3807525	146+0,000	8861496,4207018	671542,8699864
102+0,000	8860920,3619315	672202,0487955	147+0,000	8861505,2904775	671524,9443880
103+0,000	8860934,3116630	672187,7168385	148+0,000	8861514,1602533	671507,0187896
104+0,000	8860948,2613945	672173,3848816	148+14,794 PC	8861520,7211598	671493,7593590
105+0,000	8860962,2111260	672159,0529246	149+0,000	8861523,0129008	671489,0847680
106+0,000	8860976,1608576	672144,7209676	150+0,000	8861531,4964767	671470,9739290
107+0,000	8860990,1105891	672130,3890107	151+0,000	8861539,4665899	671452,6313325
108+0,000	8861004,0603206	672116,0570537	152+0,000	8861546,9169167	671434,0715323
109+0,000	8861018,0100521	672101,7250967	153+0,000	8861553,8415457	671415,3092546
110+0,000	8861031,9597837	672087,3931398	154+0,000	8861560,2349826	671396,3593861
111+0,000	8861045,9095152	672073,0611828	155+0,000	8861566,0921545	671377,2369624
112+0,000	8861059,8592467	672058,7292258	156+0,000	8861571,4084142	671357,9571561
113+0,000	8861073,8089782	672044,3972689	157+0,000	8861576,1795435	671338,5352644
114+0,000	8861087,7587097	672030,0653119	157+5,869 PT	8861577,4755490	671332,8114772
115+0,000	8861101,7084413	672015,7333549	158+0,000	8861580,5392392	671319,0162744
116+0,000	8861115,6581728	672001,4013980	158+2,940 TE	8861581,1766486	671316,1461436
117+0,000	8861129,6079043	671987,0694410	159+0,000	8861584,8875100	671299,4946873
118+0,000	8861143,5576358	671972,7374840	160+0,000	8861589,3366936	671279,9959052
119+0,000	8861157,5073674	671958,4055271	161+0,000	8861594,0045424	671260,5484275
120+0,000	8861171,4570989	671944,0735701	162+0,000	8861599,0078972	671241,1847332
121+0,000	8861185,4068304	671929,7416131	163+0,000	8861604,4619537	671221,9433703
122+0,000	8861199,3565619	671915,4096562	163+12,940 EC	8861608,2839971	671209,5808730
123+0,000	8861213,3062934	671901,0776992	164+0,000	8861610,4785655	671202,8707260
124+0,000	8861227,2560250	671886,7457422	165+0,000	8861617,1222918	671184,0074318
125+0,000	8861241,2057565	671872,4137853	166+0,000	8861624,3909876	671165,3760329
126+0,000	8861255,1554880	671858,0818283	167+0,000	8861632,2765771	671146,9972288

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SIGA



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
127+0,000	8861269,1052195	671843,7498714	168+0,000	8861640,7702996	671128,8914384
128+0,000	8861283,0549511	671829,4179144	169+0,000	8861649,8627183	671111,0787776
129+0,000	8861297,0046826	671815,0859574	170+0,000	8861659,5437316	671093,5790363
130+0,000	8861310,9544141	671800,7540005	171+0,000	8861669,8025838	671076,4116568
172+0,000	8861680,6278771	671059,5957124	217+0,000	8862358,4619739	670470,9324756
173+0,000	8861692,0075846	671043,1498855	218+0,000	8862373,8830336	670458,1970557
174+0,000	8861703,9290633	671027,0924477	219+0,000	8862389,3040932	670445,4616358
175+0,000	8861716,3790685	671011,4412389	220+0,000	8862404,7251528	670432,7262159
176+0,000	8861729,3437679	670996,2136477	221+0,000	8862420,1462124	670419,9907960
177+0,000	8861742,8087578	670981,4265922	222+0,000	8862435,5672720	670407,2553761
178+0,000	8861756,7590784	670967,0965008	223+0,000	8862450,9883317	670394,5199562
178+12,674 CE	8861765,8438892	670958,2590458	224+0,000	8862466,4093913	670381,7845363
179+0,000	8861771,1785527	670953,2385694	225+0,000	8862481,8304509	670369,0491164
180+0,000	8861786,0188899	670939,8319261	226+0,000	8862497,2515105	670356,3136964
181+0,000	8861801,1906014	670926,8010788	227+0,000	8862512,6725702	670343,5782765
182+0,000	8861816,6071948	670914,0605869	228+0,000	8862528,0936298	670330,8428566
183+0,000	8861832,1873517	670901,5204345	229+0,000	8862543,5146894	670318,1074367
184+0,000	8861847,8533583	670889,0875858	230+0,000	8862558,9357490	670305,3720168
184+2,674 ET	8861849,9506276	670887,4281076	231+0,000	8862574,3568086	670292,6365969
185+0,000	8861863,5375981	670876,6777259	232+0,000	8862589,7778683	670279,9011770
186+0,000	8861879,2218678	670864,2679039	233+0,000	8862605,1989279	670267,1657571
187+0,000	8861894,9061375	670851,8580818	234+0,000	8862620,6199875	670254,4303372
187+17,652 PC	8861908,7488878	670840,9053202	235+0,000	8862636,0410471	670241,6949173
188+0,000	8861910,5900651	670839,4478274	236+0,000	8862651,4621067	670228,9594974
189+0,000	8861926,2436287	670826,9993170	237+0,000	8862666,8831664	670216,2240775
190+0,000	8861941,8472732	670814,4882920	238+0,000	8862682,3042260	670203,4886576
191+0,000	8861957,4007488	670801,9149527	239+0,000	8862697,7252856	670190,7532377
192+0,000	8861972,9038069	670789,2795003	240+0,000	8862713,1463452	670178,0178178
193+0,000	8861988,3561992	670776,5821368	241+0,000	8862728,5674049	670165,2823979
193+2,324 PT	8861990,1483563	670775,1027915	242+0,000	8862743,9884645	670152,5469780
194+0,000	8862003,7776026	670763,8471334	243+0,000	8862759,4095241	670139,8115581
195+0,000	8862019,1986623	670751,1117135	244+0,000	8862774,8305837	670127,0761382
196+0,000	8862034,6197219	670738,3762936	245+0,000	8862790,2516433	670114,3407183
197+0,000	8862050,0407815	670725,6408737	246+0,000	8862805,6727030	670101,6052984
198+0,000	8862065,4618411	670712,9054538	247+0,000	8862821,0937626	670088,8698785
199+0,000	8862080,8829007	670700,1700339	248+0,000	8862836,5148222	670076,1344585
200+0,000	8862096,3039604	670687,4346140	249+0,000	8862851,9358818	670063,3990386
201+0,000	8862111,7250200	670674,6991941	250+0,000	8862867,3569415	670050,6636187
202+0,000	8862127,1460796	670661,9637742	251+0,000	8862882,7780011	670037,9281988
203+0,000	8862142,5671392	670649,2283542	252+0,000	8862898,1990607	670025,1927789
204+0,000	8862157,9881989	670636,4929343	253+0,000	8862913,6201203	670012,4573590
205+0,000	8862173,4092585	670623,7575144	254+0,000	8862929,0411799	669999,7219391
206+0,000	8862188,8303181	670611,0220945	255+0,000	8862944,4622396	669986,9865192
207+0,000	8862204,2513777	670598,2866746	256+0,000	8862959,8832992	669974,2510993
208+0,000	8862219,6724373	670585,5512547	257+0,000	8862975,3043588	669961,5156794

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SIGA



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
209+0,000	8862235,0934970	670572,8158348	258+0,000	8862990,7254184	669948,7802595
210+0,000	8862250,5145566	670560,0804149	259+0,000	8863006,1464780	669936,0448396
211+0,000	8862265,9356162	670547,3449950	260+0,000	8863021,5675377	669923,3094197
212+0,000	8862281,3566758	670534,6095751	261+0,000	8863036,9885973	669910,5739998
213+0,000	8862296,7777354	670521,8741552	262+0,000	8863052,4096569	669897,8385799
214+0,000	8862312,1987951	670509,1387353	263+0,000	8863067,8307165	669885,1031600
215+0,000	8862327,6198547	670496,4033154	264+0,000	8863083,2517762	669872,3677401
216+0,000	8862343,0409143	670483,6678955			
265+0,000	8863098,6728358	669859,6323202	312+0,000	8863824,5172934	669262,3470652
266+0,000	8863114,0938954	669846,8969003	313+0,000	8863839,9620544	669249,6403993
267+0,000	8863129,5149550	669834,1614804	314+0,000	8863855,4068154	669236,9337334
267+3,527 PC	8863132,2347946	669831,9153118	315+0,000	8863870,8515763	669224,2270675
267+16,570 PT	8863142,2986922	669823,6198400	316+0,000	8863886,2963373	669211,5204016
268+0,000	8863144,9478108	669821,4403653	317+0,000	8863901,7410983	669198,8137357
269+0,000	8863160,3925717	669808,7336994	318+0,000	8863917,1858593	669186,1070698
270+0,000	8863175,8373327	669796,0270335	319+0,000	8863932,6306202	669173,4004039
271+0,000	8863191,2820937	669783,3203676	320+0,000	8863948,0753812	669160,6937379
272+0,000	8863206,7268546	669770,6137017	321+0,000	8863963,5201422	669147,9870720
273+0,000	8863222,1716156	669757,9070358	322+0,000	8863978,9649031	669135,2804061
274+0,000	8863237,6163766	669745,2003699	323+0,000	8863994,4096641	669122,5737402
275+0,000	8863253,0611375	669732,4937040	324+0,000	8864009,8544251	669109,8670743
276+0,000	8863268,5058985	669719,7870380	325+0,000	8864025,2991860	669097,1604084
277+0,000	8863283,9506595	669707,0803721	326+0,000	8864040,7439470	669084,4537425
278+0,000	8863299,3954205	669694,3737062	327+0,000	8864056,1887080	669071,7470766
279+0,000	8863314,8401814	669681,6670403	328+0,000	8864071,6334690	669059,0404107
280+0,000	8863330,2849424	669668,9603744	329+0,000	8864087,0782299	669046,3337447
281+0,000	8863345,7297034	669656,2537085	330+0,000	8864102,5229909	669033,6270788
282+0,000	8863361,1744643	669643,5470426	331+0,000	8864117,9677519	669020,9204129
283+0,000	8863376,6192253	669630,8403767	332+0,000	8864133,4125128	669008,2137470
284+0,000	8863392,0639863	669618,1337108	333+0,000	8864148,8572738	668995,5070811
285+0,000	8863407,5087472	669605,4270448	334+0,000	8864164,3020348	668982,8004152
286+0,000	8863422,9535082	669592,7203789	335+0,000	8864179,7467957	668970,0937493
287+0,000	8863438,3982692	669580,0137130	336+0,000	8864195,1915567	668957,3870834
288+0,000	8863453,8430302	669567,3070471	337+0,000	8864210,6363177	668944,6804175
289+0,000	8863469,2877911	669554,6003812	338+0,000	8864226,0810787	668931,9737515
290+0,000	8863484,7325521	669541,8937153	339+0,000	8864241,5258396	668919,2670856
291+0,000	8863500,1773131	669529,1870494	340+0,000	8864256,9706006	668906,5604197
292+0,000	8863515,6220740	669516,4803835	341+0,000	8864272,4153616	668893,8537538
293+0,000	8863531,0668350	669503,7737175	342+0,000	8864287,8601225	668881,1470879
294+0,000	8863546,5115960	669491,0670516	343+0,000	8864303,3048835	668868,4404220
295+0,000	8863561,9563569	669478,3603857	344+0,000	8864318,7496445	668855,7337561
296+0,000	8863577,4011179	669465,6537198	345+0,000	8864334,1944054	668843,0270902
297+0,000	8863592,8458789	669452,9470539	346+0,000	8864349,6391664	668830,3204242
298+0,000	8863608,2906399	669440,2403880	347+0,000	8864365,0839274	668817,6137583
299+0,000	8863623,7354008	669427,5337221	348+0,000	8864380,5286884	668804,9070924

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SIGA



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
300+0,000	8863639,1801618	669414,8270562	349+0,000	8864395,9734493	668792,2004265
301+0,000	8863654,6249228	669402,1203903	350+0,000	8864411,4182103	668779,4937606
302+0,000	8863670,0696837	669389,4137243	351+0,000	8864426,8629713	668766,7870947
303+0,000	8863685,5144447	669376,7070584	352+0,000	8864442,3077322	668754,0804288
304+0,000	8863700,9592057	669364,0003925	353+0,000	8864457,7524932	668741,3737629
305+0,000	8863716,4039666	669351,2937266	354+0,000	8864473,1972542	668728,6670970
306+0,000	8863731,8487276	669338,5870607	355+0,000	8864488,6420151	668715,9604310
307+0,000	8863747,2934886	669325,8803948	356+0,000	8864504,0867761	668703,2537651
308+0,000	8863762,7382496	669313,1737289	357+0,000	8864519,5315371	668690,5470992
309+0,000	8863778,1830105	669300,4670630	358+0,000	8864534,9762981	668677,8404333
310+0,000	8863793,6277715	669287,7603971	359+0,000	8864550,4210590	668665,1337674
311+0,000	8863809,0725325	669275,0537311	360+0,000	8864565,8658200	668652,4271015
361+0,000	8864581,3105810	668639,7204356	406+8,928 ET	8865360,5286331	668321,5515282
362+0,000	8864596,7553419	668627,0137697	407+0,000	8865370,6505309	668326,0393870
363+0,000	8864612,2001029	668614,3071038	408+0,000	8865388,9339697	668334,1459193
364+0,000	8864627,6448639	668601,6004378	409+0,000	8865407,2174085	668342,2524516
365+0,000	8864643,0896248	668588,8937719	410+0,000	8865425,5008473	668350,3589839
366+0,000	8864658,5343858	668576,1871060	411+0,000	8865443,7842861	668358,4655162
367+0,000	8864673,9791468	668563,4804401	412+0,000	8865462,0677249	668366,5720485
368+0,000	8864689,4239077	668550,7737742	413+0,000	8865480,3511637	668374,6785808
369+0,000	8864704,8686687	668538,0671083	414+0,000	8865498,6346025	668382,7851131
370+0,000	8864720,3134297	668525,3604424	415+0,000	8865516,9180413	668390,8916454
371+0,000	8864735,7581907	668512,6537765	416+0,000	8865535,2014800	668398,9981777
372+0,000	8864751,2029516	668499,9471106	417+0,000	8865553,4849188	668407,1047100
373+0,000	8864766,6477126	668487,2404446	418+0,000	8865571,7683576	668415,2112423
374+0,000	8864782,0924736	668474,5337787	419+0,000	8865590,0517964	668423,3177746
375+0,000	8864797,5372345	668461,8271128	420+0,000	8865608,3352352	668431,4243069
376+0,000	8864812,9819955	668449,1204469	421+0,000	8865626,6186740	668439,5308392
377+0,000	8864828,4267565	668436,4137810	422+0,000	8865644,9021128	668447,6373715
378+0,000	8864843,8715174	668423,7071151	423+0,000	8865663,1855516	668455,7439038
379+0,000	8864859,3162784	668411,0004492	424+0,000	8865681,4689904	668463,8504361
380+0,000	8864874,7610394	668398,2937833	425+0,000	8865699,7524292	668471,9569684
380+19,791 TE	8864890,0441178	668385,7201363	426+0,000	8865718,0358680	668480,0635007
381+0,000	8864890,2058004	668385,5871174	427+0,000	8865736,3193068	668488,1700330
382+0,000	8864905,6741352	668372,9092020	428+0,000	8865754,6027455	668496,2765653
383+0,000	8864921,2798840	668360,4011386	429+0,000	8865772,8861843	668504,3830976
384+0,000	8864937,1534748	668348,2354287	430+0,000	8865791,1696231	668512,4896299
385+0,000	8864953,4140531	668336,5930268	431+0,000	8865809,4530619	668520,5961622
385+19,791 EC	8864969,9851504	668325,7767451	432+0,000	8865827,7365007	668528,7026945
386+0,000	8864970,1633109	668325,6667718	433+0,000	8865846,0199395	668536,8092268
387+0,000	8864987,4605419	668315,6314136	434+0,000	8865864,3033783	668544,9157591
388+0,000	8865005,2746969	668306,5452429	435+0,000	8865882,5868171	668553,0222914
389+0,000	8865023,5537383	668298,4348016	436+0,000	8865900,8702559	668561,1288237
390+0,000	8865042,2442708	668291,3237813	437+0,000	8865919,1536947	668569,2353560
391+0,000	8865061,2916969	668285,2329543	438+0,000	8865937,4371335	668577,3418883

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✉ dunamisengenharia21@gmail.com

📍 Av. José Estêvão Torquato da Silva, 1225
Jardim Vitória, Cuiabá - MT, 78055-714



Autenticado com senha por AMANDA CRISTINA REZENDE ARAUJO - GESTOR PROJ ESPE IV / GSAOR - 15/04/2026 às 16:07:40.
Documento Nº: 36151613-8127 - consulta à autenticidade em <https://www.sigadoc.mt.gov.br/sigaex/public/app/autenticar?n=36151613-8127>



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SIGA



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
392+0,000	8865080,6403766	668280,1801126	439+0,000	8865955,7205723	668585,4484206
393+0,000	8865100,2337899	668276,1800162	440+0,000	8865974,0040111	668593,5549529
394+0,000	8865120,0147019	668273,2443500	441+0,000	8865992,2874498	668601,6614852
395+0,000	8865139,9253299	668271,3816893	442+0,000	8866010,5708886	668609,7680175
396+0,000	8865159,9075126	668270,5974754	443+0,000	8866028,8543274	668617,8745498
397+0,000	8865179,9028792	668270,8939989	444+0,000	8866047,1377662	668625,9810821
398+0,000	8865199,8530209	668272,2703937	445+0,000	8866065,4212050	668634,0876144
399+0,000	8865219,6996606	668274,7226391	446+0,000	8866083,7046438	668642,1941467
400+0,000	8865239,3848237	668278,2435719	447+0,000	8866101,9880826	668650,3006790
401+0,000	8865258,8510074	668282,8229069	448+0,000	8866120,2715214	668658,4072113
401+8,928 CE	8865267,4548243	668285,2053463	449+0,000	8866138,5549602	668666,5137436
402+0,000	8865278,0431794	668288,4414337	450+0,000	8866156,8383990	668674,6202759
403+0,000	8865296,9450113	668294,9728971	451+0,000	8866175,1218378	668682,7268082
404+0,000	8865315,5910565	668302,2041568	452+0,000	8866193,4052766	668690,8333405
405+0,000	8865334,0397944	668309,9261544	453+0,000	8866211,6887153	668698,9398728
406+0,000	8865352,3657938	668317,9357854	454+0,000	8866229,9721541	668707,0464051
407+0,000	8865370,6559929	668325,9529374	455+0,000	8866247,9261938	669005,6620674
408+0,000	8865388,9461917	668333,9700897	456+0,000	8866265,9303317	669001,7583832
409+0,000	8865407,2373905	668341,9886635	457+0,000	8866284,8224705	668731,3660020
410+0,000	8865425,5285893	668349,0071958	458+0,000	8866303,1059093	668739,4725343
411+0,000	8865444,8196941	668357,0262901	459+0,000	8866321,3893481	668747,5790666
412+0,000	8865462,1108089	668365,0453854	460+0,000	8866339,6727869	668755,6855989
413+0,000	8865480,4019237	668373,0644807	461+0,000	8866357,9562257	668763,7921312
414+0,000	8865498,6930385	668381,0835760	462+0,000	8866376,2396645	668771,8986635
415+0,000	8865517,9841533	668389,1026713	463+0,000	8866394,5231033	668780,0051958
416+0,000	8865535,1251781	668397,1217666	464+0,000	8866412,8065421	668788,1117281
417+0,000	8865553,4162929	668405,1408619	465+0,000	8866431,0899809	668796,2182604
418+0,000	8865571,7074077	668413,1600072	466+0,000	8866449,3734196	668804,3247927
419+0,000	8865589,9985225	668421,1791525	467+0,000	8866467,6568584	668812,4313250
420+0,000	8865608,2896273	668429,1982978	468+0,000	8866485,9402972	668820,5378573
421+0,000	8865626,5807321	668437,2174431	469+0,000	8866504,2237360	668828,6443896
422+0,000	8865644,8718369	668445,2365884	470+0,000	8866522,5071748	668836,7509219
423+0,000	8865662,1629417	668453,2557337	471+0,000	8866540,7906136	668844,8574542
424+0,000	8865680,4540465	668461,2748790	472+0,000	8866559,0740524	668852,9639865
425+0,000	8865698,7451513	668469,2940243	473+0,000	8866577,3574912	668861,0705188
426+0,000	8865716,1062561	668477,3131796	474+0,000	8866595,6409300	668869,1770511
427+0,000	8865734,4173609	668485,3323249	475+0,000	8866613,9243688	668877,2835834
428+0,000	8865752,7284657	668493,3514792	476+0,000	8866632,2078076	668885,3901157
429+0,000	8865770,1035705	668501,3706245	477+0,000	8866650,4912464	668893,4966480
430+0,000	8865788,4146753	668509,3897798	478+0,000	8866668,7746851	668901,6031803
431+0,000	8865806,7257801	668517,4089351	479+0,000	8866687,0581239	668909,7097126
432+0,000	8865824,1008849	668525,4280904	480+0,000	8866705,3415627	668917,8162449
433+0,000	8865842,4119897	668533,4472457	481+0,000	8866723,6250015	668925,9227772
434+0,000	8865860,7223945	668541,4664010	482+0,000	8866741,9084403	668934,0293095
435+0,000	8865878,1034993	668549,4855563	483+0,000	8866760,1918791	668942,1358418
436+0,000	8865896,4146041	668557,5047116			
437+0,000	8865914,7257189	668565,5238669			
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440+0,000	8865968,7290333	668589,5813328			
441+0,000	8865986,1041381	668597,6004881			
442+0,000	8866004,4252429	668605,6196434			
443+0,000	8866022,7463477	668613,6387987			
444+0,000	8866040,1074525	668621,6579540			
445+0,000	8866058,4285573	668629,6771093			
446+0,000	8866076,7496621	668637,6962646			
447+0,000	8866094,1007669	668645,7154199			
448+0,000	8866112,4218717	668653,7345752			
449+0,000	8866130,7429765	668661,7537305			
450+0,000	8866148,1040813	668669,7728858			
451+0,000	8866166,4251861	668677,7920411			
452+0,000	8866184,7462909	668685,8111964			
453+0,000	8866202,1073957	668693,8303517			
454+0,000	8866220,4285005	668701,8495070			
455+0,000	8866238,7496053	668709,8686623			
456+0,000	8866256,1007101	668717,8878176			
457+0,000	8866274,4218149	668725,9069729			
458+0,000	8866292,7429197	668733,9261282			
459+0,000	8866310,1040245	668741,9452835			
460+0,000	8866328,4251293	668749,9644388			
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462+0,000	8866364,1073389	668765,0027494			
463+0,000	8866382,4284437	668773,0219047			
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465+0,000	8866418,1006533	668789,0602153			
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469+0,000	8866490,4250725	668821,1368365			
470+0,000	8866508,7461773	668829,1559918			
471+0,000	8866526,1072821	668837,1751471			
472+0,000	8866544,4283869	668845,1943024			
473+0,000	8866562,7494917	668853,2134577			
474+0,000	8866580,1005965	668861,2326130			
475+0,000	8866598,4217013	668869,2517683			
476+0,000	8866616,7428061	668877,2709236			
477+0,000	8866634,1039109	668885,2900789			
478+0,000	8866652,4250157	668893,3092342			
479+0,000	8866670,7461205	668901,3283895			
480+0,000	8866688,1072253	668909,3475448			
481+0,000	8866706,4283301	668917,3667001			
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484+0,000	8866760,4261445	668941,4241660			
485+0,000	8866778,7472493	668949,4433213			
486+0,000	8866796,1083541	668957,4624766			
487+0,000	8866814,4294589	668965,4816319			
488+0,000	8866832,7505637	668973,5007872			
489+0,000	8866850,1016685	668981,5199425			
490+0,000	8866868,4227733	668989,5390978			
491+0,000	8866886,7438781	668997,5582531			
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493+0,000	8866922,4260877	669013,5965637			
494+0,000	8866940,7471925	669021,6157190			
495+0,000	8866958,1082973	669029,6348743			
496+0,000	8866976,4304021	669037,6540296			
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498+0,000	8867012,1026117	669053,6923402			
499+0,000	8867030,4237165	669061,7114955			
500+0,000	8867048,7448213	669069,7306508			
501+0,000	8867066,1059261	669077,7498061			
502+0,000	8867084,4269309	669085,7689614			
503+0,000	8867102,7480357	669093,7881167			
504+0,000	8867120,1091405	669101,8072720			
505+0,000	8867138,4302453	669109,8264273			
506+0,000	8867156,7513501	669117,8455826			
507+0,000	8867174,1024549	669125,8647379			
508+0,000	8867192,4235597	669133,8838932			
509+0,000	8867210,7446645	669141,9030485			
510+0,000	8867228,1057693	669149,9222038			
510+3,580 CE	8867284,5236283	668962,6792192			
511+0,000	8867299,3483344	668955,6197969			
512+0,000	8867317,1724806	668946,5490987			
513+0,000	8867334,7900828	668937,0829335			
514+0,000	8867352,2610387	668927,3484049			
515+0,000	8867369,6509420	668917,4696155			
515+3,580 ET	8867372,7602445	668915,6955853			
516+0,000	8867387,0220281	668907,5577355			
517+0,000	8867404,3930479	668897,6457390			
518+0,000	8867421,7640676	668887,7337426			
519+0,000	8867439,1350873	668877,8217461			
520+0,000	8867456,5061070	668867,9097496			
521+0,000	8867473,8771267	668857,9977531			
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524+0,000	8867525,9901859	668828,2617637			
525+0,000	8867543,3612056	668818,3497673			
526+0,000	8867560,7322253	668808,4377708			
527+0,000	8867578,1032450	668798,5257743			
528+0,000	8867595,4742647	668788,6137779			
529+0,000	8867612,8452844	668778,7017814			



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☎ 65 9



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
483+10,139 TE	8866769,4604948	668946,2453714	530+0,000	8867630,2163042	668768,7897849
484+0,000	8866778,4764537	668950,2398106	531+0,000	8867647,5873239	668758,8777884
485+0,000	8866796,7901469	668958,2776584	532+0,000	8867664,9583436	668748,9657920
486+0,000	8866815,1869379	668966,1231368	533+0,000	8867682,3293633	668739,0537955
487+0,000	8866833,7179749	668973,6454993	534+0,000	8867699,7003830	668729,1417990
488+0,000	8866852,4275514	668980,7113004	535+0,000	8867717,0714027	668719,2298026
488+10,139 EC	8866861,9918856	668984,0753069	536+0,000	8867734,4424225	668709,3178061
489+0,000	8866871,3493568	668987,1863153	537+0,000	8867751,8134422	668699,4058096
490+0,000	8866890,4857398	668992,9964624	538+0,000	8867769,1844619	668689,4938131
491+0,000	8866909,8141671	668998,1317190	539+0,000	8867786,5554816	668679,5818167
492+0,000	8866929,3108450	669002,5857635	540+0,000	8867803,9265013	668669,6698202
493+0,000	8866948,9517728	669006,3531129	541+0,000	8867821,2975210	668659,7578237
494+0,000	8866968,7127719	669009,4291295	542+0,000	8867838,6685408	668649,8458273
495+0,000	8866988,5695161	669011,8100267	543+0,000	8867856,0395605	668639,9338308
496+0,000	8867008,4975614	669013,4928735	544+0,000	8867873,4105802	668630,0218343
497+0,000	8867028,4723759	669014,4755982	545+0,000	8867890,7815999	668620,1098378
498+0,000	8867048,4693703	669014,7569913	546+0,000	8867908,1526196	668610,1978414
499+0,000	8867068,4639276	669014,3367061	547+0,000	8867925,5236393	668600,2858449
500+0,000	8867088,4314343	669013,2152602	548+0,000	8867942,8946590	668590,3738484
501+0,000	8867108,3473098	669011,3940340	549+0,000	8867960,2656788	668580,4618520
502+0,000	8867128,1870374	669008,8752695	550+0,000	8867977,6366985	668570,5498555
551+0,000	8867995,0077182	668560,6378590	596+0,000	8868779,3645538	668119,3355709
552+0,000	8868012,3787379	668550,7258626	597+0,000	8868796,7040082	668109,3684589
553+0,000	8868029,7497576	668540,8138661	598+0,000	8868814,0434625	668099,4013468
554+0,000	8868047,1207773	668530,9018696	599+0,000	8868831,3829169	668089,4342348
555+0,000	8868064,4917971	668520,9898731	600+0,000	8868848,7223713	668079,4671227
556+0,000	8868081,8628168	668511,0778767	601+0,000	8868866,0618256	668069,5000107
557+0,000	8868099,2338365	668501,1658802	602+0,000	8868883,4012800	668059,5328987
558+0,000	8868116,6048562	668491,2538837	603+0,000	8868900,7407344	668049,5657866
559+0,000	8868133,9758759	668481,3418873	604+0,000	8868918,0801887	668039,5986746
560+0,000	8868151,3468956	668471,4298908	605+0,000	8868935,4196431	668029,6315625
561+0,000	8868168,7179154	668461,5178943	606+0,000	8868952,7590974	668019,6644505
562+0,000	8868186,0889351	668451,6058978	606+13,620 PI	8868964,5670000	668012,8770000
563+0,000	8868203,4599548	668441,6939014	607+0,000	8868970,1119072	668009,7206862
564+0,000	8868220,8309745	668431,7819049	608+0,000	8868987,4932261	667999,8267611
564+18,452 PC	8868236,8575704	668422,6370438	609+0,000	8869004,8745450	667989,9328360
565+0,000	8868238,2021426	668421,8701686	610+0,000	8869022,2558638	667980,0389109
566+0,000	8868255,6016874	668412,0083733	611+0,000	8869039,6371827	667970,1449857
567+0,000	8868273,0503235	668402,2336986	612+0,000	8869057,0185016	667960,2510606
567+9,508 PT	8868281,3624658	668397,6174589	613+0,000	8869074,3998205	667950,3571355
568+0,000	8868290,5409587	668392,5343455	614+0,000	8869091,7811394	667940,4632104
569+0,000	8868308,0370764	668382,8448735	615+0,000	8869109,1624582	667930,5692853
570+0,000	8868325,5331940	668373,1554015	616+0,000	8869126,5437771	667920,6753602
571+0,000	8868343,0293116	668363,4659295	617+0,000	8869143,9250960	667910,7814351
572+0,000	8868360,5254293	668353,7764575	618+0,000	8869161,3064149	667900,8875100

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SIGA



QUADRO DE COORDENADAS DO EIXO

RODOVIA: MT 208

Estaca	Norte	Este	Estaca	Norte	Este
573+0,000	8868378,0215469	668344,0869855	619+0,000	8869178,6877337	667890,9935849
574+0,000	8868395,5176646	668334,3975136	620+0,000	8869196,0690526	667881,0996597
575+0,000	8868413,0137822	668324,7080416	621+0,000	8869213,4503715	667871,2057346
576+0,000	8868430,5098998	668315,0185696	622+0,000	8869230,8316904	667861,3118095
577+0,000	8868448,0060175	668305,3290976	623+0,000	8869248,2130092	667851,4178844
578+0,000	8868465,5021351	668295,6396256	624+0,000	8869265,5943281	667841,5239593
579+0,000	8868482,9982528	668285,9501536	625+0,000	8869282,9756470	667831,6300342
580+0,000	8868500,4943704	668276,2606816	626+0,000	8869300,3569659	667821,7361091
581+0,000	8868517,9904880	668266,5712096	627+0,000	8869317,7382847	667811,8421840
582+0,000	8868535,4866057	668256,8817376	628+0,000	8869335,1196036	667801,9482588
583+0,000	8868552,9827233	668247,1922656	629+0,000	8869352,5009225	667792,0543337
584+0,000	8868570,4788410	668237,5027936	630+0,000	8869369,8822414	667782,1604086
585+0,000	8868587,9749586	668227,8133216	631+0,000	8869387,2635602	667772,2664835
586+0,000	8868605,4710762	668218,1238496	632+0,000	8869404,6448791	667762,3725584
587+0,000	8868622,9671939	668208,4343776	633+0,000	8869422,0261980	667752,4786333
588+0,000	8868640,4633115	668198,7449056	634+0,000	8869439,4075169	667742,5847082
588+7,680 PC	8868647,1821158	668195,0239850	635+0,000	8869456,7888358	667732,6907831
589+0,000	8868657,9409784	668189,0222783	636+0,000	8869474,1701546	667722,7968579
589+19,560 PT	8868674,9461207	668179,3576570	637+0,000	8869491,5514735	667712,9029328
590+0,000	8868675,3278277	668179,1382432	638+0,000	8869508,9327924	667703,0090077
591+0,000	8868692,6672820	668169,1711311	639+0,000	8869526,3141113	667693,1150826
592+0,000	8868710,0067364	668159,2040191	640+0,000	8869543,6954301	667683,2211575
593+0,000	8868727,3461907	668149,2369070	641+0,000	8869561,0767490	667673,3272324
594+0,000	8868744,6856451	668139,2697950	642+0,000	8869578,4580679	667663,4333073
595+0,000	8868762,0250995	668129,3026830	643+0,000	8869595,8393868	667653,5393822
644+0,000	8869613,2207056	667643,6454570			
645+0,000	8869630,6020245	667633,7515319			
646+0,000	8869647,9833434	667623,8576068			
647+0,000	8869665,3646623	667613,9636817			
648+0,000	8869682,7459811	667604,0697566			
649+0,000	8869700,1273000	667594,1758315			
650+0,000	8869717,5086189	667584,2819064			
651+0,000	8869734,8899378	667574,3879813			
652+0,000	8869752,2712566	667564,4940562			
653+0,000	8869769,6525755	667554,6001310			
654+0,000	8869787,0338944	667544,7062059			
655+0,000	8869804,4152133	667534,8122808			
656+0,000	8869821,7965321	667524,9183557			
657+0,000	8869839,1778510	667515,0244306			
658+0,000	8869856,5591699	667505,1305055			
659+0,000	8869873,9404888	667495,2365804			
660+0,000	8869891,3218077	667485,3426553			
661+0,000	8869908,7031265	667475,4487301			
662+0,000	8869926,0844454	667465,5548050			
663+0,000	8869943,4657643	667455,6608799			



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SIGA



QUADRO DE COORDENADAS DO EIXO					
RODOVIA: MT 208					
Estaca	Norte	Este	Estaca	Norte	Este
664+0,000	8869960,8470832	667445,7669548			
665+0,000	8869978,2284020	667435,8730297			
666+0,000	8869995,6097209	667425,9791046			
667+0,000	8870012,9910398	667416,0851795			
668+0,000	8870030,3723587	667406,1912544			
669+0,000	8870047,7536775	667396,2973292			
670+0,000	8870065,1349964	667386,4034041			
671+0,000	8870082,5163153	667376,5094790			
672+0,000	8870099,8976342	667366,6155539			
673+0,000	8870117,2789530	667356,7216288			
674+0,000	8870134,6602719	667346,8277037			
675+0,000	8870152,0415908	667336,9337786			
676+0,000	8870169,4229097	667327,0398535			
677+0,000	8870186,8042286	667317,1459283			
678+0,000	8870204,1855474	667307,2520032			
679+0,000	8870221,5668663	667297,3580781			
680+0,000	8870238,9481852	667287,4641530			
681+0,000	8870256,3295041	667277,5702279			
682+0,000	8870273,7108229	667267,6763028			
682+4,749	8870277,8380000	667265,3270000			

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15 - DECLARAÇÃO DE RESPONSABILIDADE



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DECLARAÇÃO

A DUNAMIS ENGENHARIA E CONSULTORIA, Responsável pelo Projeto Executivo de Engenharia Rodoviária da Rodovia MT-208, declaram que calcularam e verificaram os quantitativos para execução da obra correspondente ao referente ao **Projeto Executivo de Implantação e Pavimentação Asfáltica da Rodovia MT-208**, Trecho: Fim Duplicação (Fim PU Nova Guarita) / Div. Colíder / Nova Guarita e Extensão: 13,644 km, pelo qual assumem total responsabilidade.

Dunamis Engenharia e Consultoria LTDA



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16 - TERMO DE ENCERRAMENTO



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O presente volume corresponde ao Volume 3-C – Cálculo de Volume e Nota de Serviço de Terraplanagem, referente ao **Projeto Executivo de Implantação e Pavimentação Asfáltica da Rodovia MT-208**, Trecho: Fim Duplicação (Fim PU Nova Guarita) / Div. Colíder / Nova Guarita e Extensão: 13,644 km, possui 67 (sessenta e sete) folhas numericamente ordenadas.

Dunamis Engenharia e Consultoria LTDA



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