



**ELABORAÇÃO DE PROJETO
BÁSICO E EXECUTIVO DE IM-
PLANTAÇÃO E DUPLICAÇÃO
DA DF-010**

Contrato 025/2021

Processo 00113-00018163/2020-32

Produto 4:

PE – Projeto Executivo

4.3. Projeto Executivo de Terraplenagem

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**ELABORAÇÃO DE PROJETOS BÁSICO E EXECUTIVO PARA IMPLANTAÇÃO E
DUPLICAÇÃO DA DF-010, TRECHO COMPREENDIDO ENTRE A DF-003 E A DF-095**

**PRODUTO 04
PE – PROJETO EXECUTIVO
4.3. PROJETO EXECUTIVO DE TERRAPLENAGEM**

ABRIL DE 2022

**Elaboração de Projetos Básico e Executivo para
Implantação e Duplicação da DF-010, Trecho
Compreendido entre a DF-003 e a DF-095**

**PRODUTO 4
PE – PROJETO EXECUTIVO
4.3. PROJETO EXECUTIVO DE TERRAPLENAGEM**

**CONTRATO N° 025/2021
PROCESSO N° 00113-00018163/2020-32**

ABRIL DE 2022

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APRESENTAÇÃO

O Departamento de Estradas de Rodagem do Distrito Federal – DER/DF, sob a coordenação da Superintendência Técnica, firmou com a **STE – Serviços Técnicos de Engenharia S.A.** o **Contrato nº 025/2021** que tem por objetivo a Contratação de Empresa Especializada para Elaboração de Projeto Básico e Executivo de Implantação e Duplicação da Rodovia DF-010, trecho compreendido entre a DF-003 e a DF-095.

A STE submete ao DER/DF, para apreciação, o PE – Projeto Executivo, contemplando sete subprodutos:

4.

- 4.1. Projeto Executivo Geométrico;
- 4.2. Projeto Executivo de Drenagem;
- 4.3. **Projeto Executivo de Terraplenagem;**
- 4.4. Estudos Geotécnicos;
- 4.5. Projeto Executivo de Pavimentação;
- 4.6. Projeto Executivo de Sinalização e Obras Complementares;
- 4.7. Componente Ambiental Executivo; e
- 4.8. Orçamento Executivo

O presente relatório corresponde ao **Produto 4 – PE – Projeto Executivo, Subproduto 4.3. Projeto Executivo de Terraplenagem**, na sua primeira versão.

1 Introdução

A STE Serviços Técnicos de Engenharia S/A submete ao Departamento de Estradas de Rodagem do Distrito Federal – DER/DF, para apreciação, o Projeto Executivo de Terraplenagem para elaboração de Implantação e Duplicação da Rodovia DF-010, trecho compreendido entre a DF-003 e a DF-095.

O presente relatório tem como finalidade apresentar as seções transversais dos eixos projetados, as Notas de Serviço para execução do projeto e o respectivo Mapa de Cubação.

O Projeto de Terraplenagem tem por objetivo complementar o projeto geométrico, fornecendo as seções que permitirão a locação do projeto em campo, bem como fornecer os diagramas de massa previstos para o projeto, orientando a origem e destino dos volumes escavados e a serem aterrados.

A base cartográfica dos projetos é UTM – SIRGAS 2000, RRNN Vertical Imituba, com apresentação nas pranchas padronizadas pelo DER/DF.

2 Localização e características da região

A área em estudo em que trata da Rodovia DF-010 está compreendida na Região Administrativa do Setor de Indústria e Abastecimento - SIA – RA XXIX, na área denominada Pátio Ferroviário de Brasília, caracterizada como Unidade Especial 6, juntamente com a área do Setor Militar Complementar, pela Lei de Uso e Ocupação do Solo do Distrito Federal, aprovada pela Lei Complementar nº 948 de 16 de janeiro de 2019.

A Rodovia DF-010 está localizada no entorno do Conjunto Urbanístico de Brasília – CUB, próxima à sua porção oeste, fazendo fronteira com a Estrada Parque Indústria e Abastecimento (EPIA) e com a Via Estrutural, conforme destacada na linha em vermelho na Figura 1 a seguir.

Figura 1. Mapa de localização da Rodovia DF-010.



3 Concepção do Projeto

Seguindo o objetivo do projeto, formulado nos termos de referência, o propósito do contrato é a elaboração do novo traçado da DF-010, trecho compreendido entre a DF-003 e a DF-095, com a função de atender a implantação do parcelamento urbano do Parque Ferroviário de Brasília, no Setor Militar Complementar.

Algumas variáveis interferem diretamente no projeto:

- Uma rede de lançamento de águas pluviais laterais a DF-010, internas na faixa de domínio; e
- Duas linhas de distribuição de alta tensão, posicionadas ao longo do novo traçado da DF-010.

Por conseguinte, a solução viária proposta se evadiu de qualquer interferência, de modo a garantir ao ente público não só a redução de custos da obra, como também o desgaste de tramitação em diversas esferas de governo com projetos de eliminação de interferências, além da delegação de obras às concessionárias de energia e saneamento.

Na interseção da DF-010 com a DF-003 (EPIA), a proposta sugere a duplicação da via com implantação de canteiro central de largura equivalente ao existente no prolongamento da via, próximo a região do 1º Regimento de Cavalaria de Guardas. Essa solução possibilita

uma homogeneidade no traçado, proporcionando a mesma importância a via ao longo de toda sua extensão, além de possibilitar a implantação de serviços de concessionárias ao longo do canteiro, como por exemplo: sistema de drenagem pluvial, banco de dutos de energia e telefonia e postes de iluminação pública.

Outro ponto de atenção na intervenção proposta é a INTERSEÇÃO 1, entre a via existente e o acesso ao desvio da DF-010. A proposição apresentada está dividida em dois momentos: atual e futuro.

Para o momento atual, sugere-se um acesso em nível, com interseção semaforizada. Já no momento futuro, caso seja necessário após a consolidação do novo parcelamento, propõe-se a implantação de uma Obra de Arte Especial – OAE para acesso ao bairro. Vale ressaltar que, a proposta do viaduto foge do escopo contratado. Portanto, não será detalhada nos Projetos Básico e Executivo, subsequentes a apresentação deste relatório.

O trecho consecutivo é o segmento de maior extensão, com 5,0 (cinco) km. Liga o antigo traçado da DF-010 ao Setor Complementar de Indústria e Abastecimento – SCIA, porção da via que servirá como principal eixo de acesso ao novo parcelamento urbano, além de servir como rota alternativa para o SCIA.

Ponto de influência para a elaboração do traçado nesta região é a presença da Linha de Distribuição da CEB no eixo planejado. Como solução, minimizando possíveis custos com remanejamento da linha, propôs-se a manutenção da LD no canteiro central da via.

Para permitir essa proposta, foi necessário adequar o traçado ao que preconiza a NTD 4.36 da CEB (baseada na NBR 5422), que determina o distanciamento mínimo de 8,0 (oito) metros do eixo da linha de distribuição como faixa de segurança non aedificandi (espaço onde não é permitido construir).

Concluindo o percurso, encontra-se a INTERSEÇÃO 2, conexão do traçado com o balão do SCIA. Na situação atual, propõe-se um acesso em nível, conectando a DF-010 ao balão existente, com pequeno ajuste de geometria na rotatória.

4 Projeto de Terraplenagem

Os projetos apresentados ilustram as seções de terraplenagem a serem empregadas para cada eixo.

Nos trechos que requerem superelevação, os caimentos têm a declividade máxima de 4%.

Para cada eixo viário são calculados os volumes de corte e aterros decorrentes da terraplenagem com 0,50 m de profundidade de pavimento.

A seguir são apresentados, em sequência, para cada eixo viário, os relatórios do Projeto de Terraplenagem, consistindo em:

- Notas de Serviço de Terraplenagem; e
- Mapas de Cubação.

5 Apresentação de Projeto

O Projeto de Terraplenagem é composto pelo seguinte conjunto de arquivos:

Tabela 1. Arquivos de Projeto

Arquivo	Descrição	Revisão
2103-SEC-PE-001-R00	Seções Tipo	R00

6 Notas de Serviço

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	

EIXO 01

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-4.121	1,123.019	-75.73	-3.500	1,122.896	-2.96	0+00	1,123.000	1,123.000	0.000	5.000	1,123.148	2.96	6.080	1,123.000	-64.60	
-4.152	1,123.089	92.25	-3.500	1,122.907	-4.00	0+10	1,123.047	1,123.048	-0.001	3.500	1,123.187	4.00	4.624	1,123.016	-64.38	
-4.135	1,123.190	98.44	-3.500	1,123.014	-2.27	0+20	1,123.094	1,123.170	-0.076	3.500	1,123.173	2.27	4.389	1,123.148	-63.71	
-4.110	1,123.323	149.84	-3.500	1,123.156	0.44	0+30	1,123.141	1,123.303	-0.162	3.500	1,123.126	-0.44	4.106	1,123.283	154.01	
-4.132	1,123.456	125.18	-3.500	1,123.258	2.00	0+40	1,123.188	1,123.436	-0.248	3.500	1,123.118	-2.00	4.254	1,123.413	100.00	
-4.218	1,123.589	106.77	-3.500	1,123.305	2.00	0+50	1,123.235	1,123.565	-0.330	3.500	1,123.165	-2.00	4.325	1,123.532	100.00	
-4.299	1,123.717	104.02	-3.500	1,123.352	2.00	0+60	1,123.282	1,123.684	-0.402	3.500	1,123.212	-2.00	4.401	1,123.655	100.00	
-4.386	1,123.850	102.80	-3.500	1,123.399	2.00	0+70	1,123.329	1,123.838	-0.509	3.500	1,123.259	-2.00	4.525	1,123.826	100.00	
-4.475	1,123.987	102.13	-3.500	1,123.446	2.00	0+80	1,123.376	1,123.979	-0.603	3.500	1,123.306	-2.00	4.625	1,123.973	100.00	
-4.453	1,124.012	102.26	-3.500	1,123.493	2.00	0+90	1,123.423	1,123.994	-0.572	3.500	1,123.353	-2.00	4.594	1,123.989	100.00	
-4.464	1,124.070	102.20	-3.500	1,123.540	2.00	1+00	1,123.470	1,124.033	-0.563	3.500	1,123.400	-2.00	4.558	1,124.000	100.00	
-4.727	1,124.384	101.28	-3.500	1,123.591	2.00	1+10	1,123.521	1,124.435	-0.914	3.500	1,123.451	-2.00	5.032	1,124.525	100.00	
-5.009	1,124.748	100.88	-3.500	1,123.672	2.00	1+20	1,123.602	1,124.877	-1.275	3.500	1,123.532	-2.00	5.507	1,125.081	100.00	
-5.144	1,124.997	100.77	-3.500	1,123.788	2.00	1+30	1,123.718	1,125.207	-1.489	3.500	1,123.648	-2.00	6.125	1,125.815	100.00	
-5.997	1,126.001	100.42	-3.500	1,123.938	2.00	1+40	1,123.868	1,126.008	-2.140	3.500	1,123.798	-2.00	6.218	1,126.058	100.00	
-5.834	1,126.022	100.46	-3.500	1,124.122	2.00	1+50	1,124.052	1,126.028	-1.975	3.500	1,123.982	-2.00	6.022	1,126.047	100.00	
-5.499	1,125.906	100.57	-3.500	1,124.341	2.00	1+60	1,124.271	1,126.005	-1.733	3.500	1,124.201	-2.00	5.771	1,126.014	100.00	
-4.436	1,125.097	102.38	-3.500	1,124.595	2.00	1+70	1,124.525	1,125.428	-0.904	3.500	1,124.455	-2.00	5.231	1,125.727	100.00	
-4.190	1,124.988	-57.75	-3.500	1,124.882	2.00	1+80	1,124.812	1,125.271	-0.458	3.500	1,124.742	-2.00	4.973	1,125.757	100.00	
-4.675	1,124.983	-65.27	-3.500	1,125.200	2.00	1+90	1,125.130	1,125.313	-0.183	3.500	1,125.060	-2.00	4.780	1,125.882	100.00	
-5.168	1,124.976	-65.92	-3.500	1,125.522	2.00	2+00	1,125.452	1,125.224	0.228	3.500	1,125.382	-2.00	4.460	1,125.884	100.00	
-5.660	1,124.970	-66.15	-3.500	1,125.844	2.00	2+10	1,125.774	1,125.020	0.754	3.500	1,125.704	-2.00	4.281	1,125.725	-66.67	
-6.150	1,124.965	-66.28	-3.500	1,126.166	2.00	2+20	1,126.096	1,124.993	1.103	3.500	1,126.026	-2.00	5.164	1,125.459	-66.67	
-6.635	1,124.962	-66.35	-3.497	1,126.488	2.00	2+30	1,126.418	1,124.988	1.430	3.500	1,126.348	-2.00	5.828	1,125.338	-66.67	
-7.117	1,124.960	-66.40	-3.493	1,126.810	2.00	2+40	1,126.740	1,124.986	1.754	3.500	1,126.670	-2.00	6.232	1,125.391	-66.67	
-7.578	1,124.972	-66.44	-3.490	1,127.132	2.00	2+50	1,127.062	1,124.991	2.071	3.500	1,126.992	-2.00	6.392	1,125.606	-66.67	
-9.081	1,124.965	-66.47	-4.469	1,127.473	2.00	2+60	1,127.384	1,124.984	2.400	3.503	1,127.314	-2.00	6.508	1,125.853	-66.67	
-12.224	1,124.986	-66.48	-7.052	1,127.866	2.26	2+70	1,127.706	1,125.189	2.517	3.753	1,127.621	-2.26	6.460	1,126.357	-66.69	
-10.309	1,126.469	-66.28	-6.727	1,128.280	3.80	2+80	1,128.024	1,127.390	0.635	4.079	1,127.869	-3.80	5.042	1,127.758	-67.66	
-7.296	1,128.538	-62.77	-6.398	1,128.560	3.80	2+90	1,128.317	1,128.633	-0.316	4.408	1,128.149	-3.80	5.285	1,128.558	98.70	
-6.736	1,129.055	117.01	-6.067	1,128.810	3.80	3+00	1,128.580	1,129.048	-0.468	4.738	1,128.400	-3.80	5.829	1,129.021	99.27	
-6.403	1,129.159	-49.67	-5.735	1,129.027	3.74	3+10	1,128.813	1,129.137	-0.324	5.071	1,128.623	-3.74	6.022	1,129.106	99.01	
-6.089	1,129.256	-52.99	-5.429	1,129.130	2.08	3+20	1,129.016	1,129.223	-0.207	5.372	1,128.905	-2.08	6.116	1,129.190	99.88	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.184	1,129.342	-62.31	-5.400	1,129.299	2.00	3+30	1,129.191	1,129.308	-0.117	5.400	1,129.083	-2.00	6.048	1,129.272	100.00	
-6.273	1,129.427	-63.74	-5.400	1,129.443	2.00	3+40	1,129.335	1,129.390	-0.055	5.400	1,129.227	-2.00	6.031	1,129.348	-66.67	
-6.322	1,129.509	-64.18	-5.400	1,129.558	2.00	3+50	1,129.450	1,129.465	-0.016	5.400	1,129.342	-2.00	6.091	1,129.423	-66.67	
-6.342	1,129.585	-64.33	-5.400	1,129.647	2.00	3+60	1,129.539	1,129.546	-0.007	5.400	1,129.431	-2.00	6.092	1,129.512	-66.67	
-6.342	1,129.670	-64.33	-5.400	1,129.732	2.00	3+70	1,129.624	1,129.636	-0.012	5.634	1,129.511	-2.00	6.302	1,129.607	-66.67	
-6.332	1,129.762	-64.25	-5.400	1,129.817	2.00	3+80	1,129.709	1,129.733	-0.024	6.345	1,129.582	-2.00	6.988	1,129.696	-66.67	
-6.314	1,129.859	-64.12	-5.400	1,129.902	2.00	3+90	1,129.794	1,129.829	-0.034	7.057	1,129.653	-2.00	7.667	1,129.806	100.00	
-6.269	1,129.959	-63.88	-5.400	1,129.974	1.75	4+00	1,129.880	1,129.940	-0.060	7.769	1,129.744	-1.75	8.381	1,129.899	104.03	
-6.169	1,130.012	-64.19	-5.400	1,129.970	0.10	4+10	1,129.965	1,130.006	-0.041	8.480	1,129.957	-0.10	9.261	1,129.989	-64.57	
-6.035	1,130.088	-64.09	-5.400	1,129.966	-1.55	4+20	1,130.050	1,130.064	-0.014	9.000	1,130.190	1.55	10.094	1,130.024	-65.23	
-6.064	1,130.161	96.21	-5.400	1,129.962	-3.20	4+30	1,130.135	1,130.139	-0.003	9.000	1,130.424	3.20	10.344	1,130.101	-65.27	
-6.088	1,130.235	95.92	-5.400	1,130.016	-3.80	4+40	1,130.221	1,130.215	0.005	9.000	1,130.563	3.80	10.451	1,130.172	-65.30	
-6.022	1,130.311	-68.86	-5.400	1,130.185	-2.24	4+50	1,130.306	1,130.293	0.013	9.000	1,130.508	2.24	10.246	1,130.244	-65.35	
-6.181	1,130.389	-65.11	-5.400	1,130.359	-0.59	4+60	1,130.391	1,130.372	0.019	8.991	1,130.444	0.59	9.987	1,130.338	-65.36	
-6.338	1,130.469	-64.85	-5.400	1,130.534	1.06	4+70	1,130.476	1,130.443	0.034	8.975	1,130.381	-1.06	9.716	1,130.435	-65.33	
-6.431	1,130.548	-64.81	-5.400	1,130.670	2.00	4+80	1,130.562	1,130.523	0.039	8.958	1,130.383	-2.00	9.566	1,130.532	100.00	
-6.453	1,130.619	-64.90	-5.400	1,130.755	2.00	4+90	1,130.647	1,130.620	0.027	8.942	1,130.468	-2.00	9.561	1,130.629	100.00	
-6.442	1,130.711	-64.86	-5.400	1,130.840	2.00	5+00	1,130.732	1,130.718	0.015	8.926	1,130.554	-2.00	9.558	1,130.728	100.00	
-6.424	1,130.809	-64.78	-5.400	1,130.925	2.00	5+10	1,130.817	1,130.815	0.003	8.910	1,130.639	-2.00	9.557	1,130.828	100.00	
-6.406	1,130.906	-64.70	-5.400	1,131.011	2.00	5+20	1,130.903	1,130.912	-0.010	7.748	1,130.748	-2.00	8.384	1,130.926	100.00	
-6.410	1,130.989	-64.72	-5.400	1,131.096	2.00	5+30	1,130.988	1,130.986	0.002	5.400	1,130.880	-2.00	6.056	1,130.984	-66.67	
-6.520	1,131.000	-65.13	-5.400	1,131.181	2.00	5+40	1,131.073	1,130.995	0.078	5.400	1,130.965	-2.00	6.168	1,130.995	-66.67	
-6.551	1,131.065	-65.22	-5.400	1,131.266	2.00	5+50	1,131.158	1,131.059	0.099	5.400	1,131.050	-2.00	6.178	1,131.074	-66.67	
-6.531	1,131.164	-65.16	-5.400	1,131.352	2.00	5+60	1,131.244	1,131.159	0.085	5.400	1,131.136	-2.00	6.138	1,131.186	-66.67	
-6.510	1,131.263	-65.10	-5.400	1,131.437	2.00	5+70	1,131.329	1,131.258	0.071	5.400	1,131.221	-2.00	6.120	1,131.283	-66.67	
-6.489	1,131.362	-65.03	-5.400	1,131.522	2.00	5+80	1,131.414	1,131.358	0.056	5.400	1,131.306	-2.00	6.104	1,131.379	-66.67	
-6.468	1,131.461	-64.96	-5.400	1,131.607	2.00	5+90	1,131.499	1,131.457	0.042	5.400	1,131.391	-2.00	6.083	1,131.478	-66.67	
-6.447	1,131.561	-64.88	-5.400	1,131.693	2.00	6+00	1,131.585	1,131.557	0.028	5.400	1,131.477	-2.00	6.062	1,131.578	-66.67	
-6.426	1,131.660	-64.79	-5.400	1,131.778	2.00	6+10	1,131.670	1,131.656	0.014	5.400	1,131.562	-2.00	6.040	1,131.677	-66.67	
-6.406	1,131.759	-64.69	-5.400	1,131.863	2.00	6+20	1,131.755	1,131.756	-0.001	5.400	1,131.647	-2.00	6.019	1,131.776	-66.67	
-6.389	1,131.855	-64.61	-5.400	1,131.948	2.00	6+30	1,131.840	1,131.855	-0.015	5.400	1,131.732	-2.00				
-6.394	1,131.937	-64.64	-5.400	1,132.034	2.00	6+40	1,131.926	1,131.955	-0.029	5.400	1,131.818	-2.00	6.016	1,131.975	100.00	
-6.426	1,132.001	-64.79	-5.400	1,132.119	2.00	6+50	1,132.011	1,132.004	0.007	5.400	1,131.903	-2.00	6.063	1,132.003	-66.67	
-6.504	1,132.034	-65.08	-5.400	1,132.204	2.00	6+60	1,132.096	1,132.043	0.054	5.400	1,131.988	-2.00	6.123	1,132.048	-66.67	
-6.498	1,132.123	-65.06	-5.400	1,132.289	2.00	6+70	1,132.181	1,132.133	0.048	5.400	1,132.073	-2.00	6.115	1,132.139	-66.67	
-6.493	1,132.212	-65.04	-5.400	1,132.374	2.00	6+80	1,132.266	1,132.224	0.042	5.400	1,132.158	-2.00	6.106	1,132.229	-66.67	
-6.484	1,132.301	-65.01	-5.400	1,132.457	2.00	6+90	1,132.349	1,132.315	0.035	5.400	1,132.241	-2.00	6.095	1,132.320	-66.67	
-6.472	1,132.389	-64.97	-5.400	1,132.538	2.00	7+00	1,132.430	1,132.403	0.027	5.400	1,132.322	-2.00	6.080	1,132.411	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.457	1,132.478	-64.92	-5.400	1,132.617	2.00	7+10	1,132.509	1,132.492	0.017	5.400	1,132.401	-2.00	6.062	1,132.501	-66.67	
-6.443	1,132.564	-64.86	-5.400	1,132.693	2.00	7+20	1,132.585	1,132.581	0.005	5.400	1,132.477	-2.00	6.041	1,132.592	-66.67	
-6.433	1,132.645	-64.82	-5.400	1,132.768	2.00	7+30	1,132.660	1,132.670	-0.010	5.400	1,132.552	-2.00	6.017	1,132.682	-66.67	
-6.430	1,132.719	-64.80	-5.400	1,132.840	2.00	7+40	1,132.732	1,132.753	-0.022	5.400	1,132.624	-2.00	6.005	1,132.771	100.00	
-6.441	1,132.781	-64.85	-5.400	1,132.910	2.00	7+50	1,132.802	1,132.827	-0.025	5.400	1,132.694	-2.00	6.024	1,132.860	100.00	
-6.413	1,132.868	-64.73	-5.400	1,132.977	2.00	7+60	1,132.869	1,132.902	-0.033	5.400	1,132.761	-2.00	6.029	1,132.933	100.00	
-6.405	1,132.939	-64.69	-5.400	1,133.043	2.00	7+70	1,132.935	1,132.984	-0.049	5.400	1,132.827	-2.00	6.035	1,133.004	100.00	
-6.406	1,133.001	-64.70	-5.400	1,133.106	2.00	7+80	1,132.998	1,133.008	-0.010	5.400	1,132.890	-2.00	6.027	1,133.014	-66.67	
-6.474	1,133.020	-64.98	-5.400	1,133.170	2.00	7+90	1,133.062	1,133.046	0.016	5.400	1,132.954	-2.00	6.039	1,133.070	-66.67	
-6.433	1,133.110	-64.82	-5.400	1,133.233	2.00	8+00	1,133.125	1,133.136	-0.011	5.400	1,133.017	-2.00				
-6.436	1,133.171	-64.83	-5.400	1,133.296	2.00	8+10	1,133.188	1,133.214	-0.026	5.400	1,133.080	-2.00	6.029	1,133.251	100.00	
-6.431	1,133.238	-64.81	-5.400	1,133.359	2.00	8+20	1,133.251	1,133.276	-0.024	5.400	1,133.143	-2.00	6.026	1,133.311	100.00	
-6.447	1,133.291	-64.88	-5.400	1,133.423	2.00	8+30	1,133.315	1,133.338	-0.023	5.400	1,133.207	-2.00	6.028	1,133.377	100.00	
-6.473	1,133.337	-64.97	-5.400	1,133.486	2.00	8+40	1,133.378	1,133.373	0.004	5.400	1,133.270	-2.00				
-6.493	1,133.387	-65.04	-5.400	1,133.549	2.00	8+50	1,133.441	1,133.431	0.010	5.400	1,133.333	-2.00	6.012	1,133.467	-66.67	
-6.536	1,133.421	-65.17	-5.400	1,133.612	2.00	8+60	1,133.504	1,133.466	0.039	5.400	1,133.396	-2.00	6.048	1,133.507	-66.67	
-6.571	1,133.461	-65.27	-5.400	1,133.676	2.00	8+70	1,133.568	1,133.502	0.065	5.400	1,133.460	-2.00	6.090	1,133.542	-66.67	
-6.604	1,133.502	-65.34	-5.400	1,133.739	2.00	8+80	1,133.631	1,133.544	0.087	5.400	1,133.523	-2.00	6.124	1,133.582	-66.67	
-6.626	1,133.551	-65.39	-5.400	1,133.802	2.00	8+90	1,133.694	1,133.585	0.109	5.400	1,133.586	-2.00	6.156	1,133.624	-66.67	
-6.625	1,133.615	-65.39	-5.400	1,133.866	2.00	9+00	1,133.758	1,133.640	0.117	5.400	1,133.650	-2.00	6.186	1,133.668	-66.67	
-6.624	1,133.679	-65.39	-5.400	1,133.929	2.00	9+10	1,133.821	1,133.704	0.117	5.400	1,133.713	-2.00	6.190	1,133.728	-66.67	
-6.624	1,133.742	-65.38	-5.400	1,133.992	2.00	9+20	1,133.884	1,133.768	0.116	5.400	1,133.776	-2.00	6.189	1,133.792	-66.67	
-6.634	1,133.799	-65.41	-5.400	1,134.055	2.00	9+30	1,133.947	1,133.832	0.116	5.400	1,133.839	-2.00	6.189	1,133.856	-66.67	
-6.631	1,133.864	-65.40	-5.400	1,134.119	2.00	9+40	1,134.011	1,133.891	0.119	5.400	1,133.903	-2.00	6.188	1,133.919	-66.67	
-6.626	1,133.931	-65.39	-5.400	1,134.182	2.00	9+50	1,134.074	1,133.957	0.117	5.400	1,133.966	-2.00	6.189	1,133.982	-66.67	
-6.621	1,133.997	-65.38	-5.400	1,134.245	2.00	9+60	1,134.137	1,134.002	0.135	5.400	1,134.029	-2.00	6.250	1,134.005	-66.67	
-6.643	1,134.045	-65.42	-5.400	1,134.308	2.00	9+70	1,134.200	1,134.050	0.150	5.400	1,134.092	-2.00	6.269	1,134.055	-66.67	
-6.631	1,134.117	-65.40	-5.400	1,134.372	2.00	9+80	1,134.264	1,134.122	0.141	5.400	1,134.156	-2.00	6.256	1,134.127	-66.67	
-6.618	1,134.189	-65.37	-5.400	1,134.435	2.00	9+90	1,134.327	1,134.194	0.133	5.400	1,134.219	-2.00	6.243	1,134.199	-66.67	
-6.605	1,134.261	-65.34	-5.400	1,134.498	2.00	10+00	1,134.390	1,134.266	0.124	5.400	1,134.282	-2.00	6.230	1,134.271	-66.67	
-6.592	1,134.333	-65.31	-5.400	1,134.562	2.00	10+10	1,134.454	1,134.338	0.116	5.400	1,134.346	-2.00	6.218	1,134.343	-66.67	
-6.583	1,134.402	-65.30	-5.400	1,134.625	2.00	10+20	1,134.517	1,134.410	0.107	5.400	1,134.409	-2.00	6.205	1,134.414	-66.67	
-6.575	1,134.471	-65.28	-5.400	1,134.688	2.00	10+30	1,134.580	1,134.482	0.099	5.400	1,134.472	-2.00	6.192	1,134.486	-66.67	
-6.568	1,134.539	-65.26	-5.400	1,134.751	2.00	10+40	1,134.643	1,134.553	0.090	5.400	1,134.535	-2.00	6.179	1,134.558	-66.67	
-6.561	1,134.606	-65.24	-5.400	1,134.815	2.00	10+50	1,134.707	1,134.624	0.082	5.400	1,134.599	-2.00	6.166	1,134.630	-66.67	
-6.556	1,134.673	-65.23	-5.400	1,134.878	2.00	10+60	1,134.770	1,134.693	0.077	5.400	1,134.662	-2.00	6.153	1,134.702	-66.67	
-6.549	1,134.738	-65.21	-5.400	1,134.938	2.00	10+70	1,134.830	1,134.761	0.069	5.400	1,134.722	-2.00	6.135	1,134.774	-66.67	
-6.537	1,134.799	-65.18	-5.400	1,134.991	2.00	10+80	1,134.883	1,134.827	0.056	5.400	1,134.775	-2.00	6.107	1,134.845	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.506	1,134.865	-65.09	-5.400	1,135.037	2.00	10+90	1,134.929	1,134.889	0.040	5.400	1,134.821	-2.00	6.075	1,134.913	-66.67	
-6.462	1,134.934	-64.93	-5.400	1,135.076	2.00	11+00	1,134.968	1,134.956	0.013	6.086	1,134.846	-2.00	6.699	1,134.980	-66.67	
-6.411	1,135.000	-64.72	-5.400	1,135.108	2.00	11+10	1,135.000	1,135.001	-0.001	6.786	1,134.865	-2.00				
-6.446	1,135.003	-64.87	-5.400	1,135.134	2.00	11+20	1,135.026	1,135.004	0.022	7.486	1,134.876	-2.00	8.106	1,135.005	-66.67	
-6.469	1,135.006	-64.96	-5.400	1,135.153	2.00	11+30	1,135.045	1,135.007	0.037	8.186	1,134.881	-2.00	8.809	1,135.008	-66.67	
-6.479	1,135.011	-65.00	-5.400	1,135.164	2.00	11+40	1,135.056	1,135.011	0.045	8.886	1,134.879	-2.00	9.503	1,135.009	-66.67	
-6.481	1,135.014	-65.00	-5.400	1,135.169	2.00	11+50	1,135.061	1,135.013	0.049	8.900	1,134.883	-2.00	9.523	1,135.010	-66.67	
-6.477	1,135.016	-64.99	-5.400	1,135.167	2.00	11+60	1,135.059	1,135.014	0.045	8.900	1,134.881	-2.00	9.517	1,135.012	-66.67	
-6.463	1,135.019	-64.94	-5.400	1,135.162	2.00	11+70	1,135.054	1,135.018	0.036	8.900	1,134.876	-2.00				
-6.449	1,135.023	-64.89	-5.400	1,135.157	2.00	11+80	1,135.049	1,135.022	0.027	8.900	1,134.871	-2.00	9.507	1,135.020	100.00	
-6.436	1,135.027	-64.83	-5.400	1,135.151	2.00	11+90	1,135.043	1,135.025	0.018	8.900	1,134.865	-2.00	9.516	1,135.023	100.00	
-6.422	1,135.030	-64.77	-5.400	1,135.146	2.00	12+00	1,135.038	1,135.029	0.009	8.900	1,134.860	-2.00	9.525	1,135.027	100.00	
-6.408	1,135.034	-64.71	-5.400	1,135.140	2.00	12+10	1,135.032	1,135.033	-0.001	8.900	1,134.854	-2.00	9.535	1,135.031	100.00	
-6.395	1,135.038	-64.64	-5.400	1,135.135	2.00	12+20	1,135.027	1,135.037	-0.010	8.900	1,134.849	-2.00	9.544	1,135.035	100.00	
-6.386	1,135.041	-64.59	-5.400	1,135.132	2.00	12+30	1,135.024	1,135.040	-0.016	8.900	1,134.846	-2.00	9.550	1,135.038	100.00	
-6.388	1,135.043	-64.60	-5.400	1,135.136	2.00	12+40	1,135.028	1,135.044	-0.016	8.900	1,134.850	-2.00	9.551	1,135.042	100.00	
-6.398	1,135.045	-64.66	-5.400	1,135.145	2.00	12+50	1,135.037	1,135.047	-0.010	6.455	1,134.907	-2.00	7.059	1,135.046	-66.67	
-6.416	1,135.048	-64.74	-5.400	1,135.159	2.00	12+60	1,135.051	1,135.049	0.002	5.400	1,134.943	-2.00	6.052	1,135.050	-66.67	
-6.426	1,135.062	-64.79	-5.400	1,135.180	2.00	12+70	1,135.072	1,135.053	0.018	5.400	1,134.964	-2.00	6.079	1,135.053	-66.67	
-6.399	1,135.106	-64.66	-5.400	1,135.206	2.00	12+80	1,135.098	1,135.082	0.015	5.400	1,134.990	-2.00	6.111	1,135.058	-66.67	
-6.385	1,135.147	-64.59	-5.400	1,135.238	2.00	12+90	1,135.130	1,135.121	0.008	5.400	1,135.022	-2.00	6.100	1,135.097	-66.67	
-6.383	1,135.186	-64.58	-5.400	1,135.275	2.00	13+00	1,135.167	1,135.161	0.007	6.408	1,135.039	-2.00	7.081	1,135.132	-66.67	
-6.389	1,135.225	-64.61	-5.400	1,135.319	2.00	13+10	1,135.211	1,135.200	0.011	8.900	1,135.033	-2.00	9.519	1,135.162	-66.67	
-6.404	1,135.264	-64.69	-5.400	1,135.368	2.00	13+20	1,135.260	1,135.239	0.021	8.900	1,135.082	-2.00	9.534	1,135.201	-66.67	
-6.423	1,135.303	-64.78	-5.400	1,135.420	2.00	13+30	1,135.312	1,135.278	0.034	8.900	1,135.134	-2.00	9.553	1,135.240	-66.67	
-6.440	1,135.343	-64.85	-5.400	1,135.470	2.00	13+40	1,135.362	1,135.317	0.045	8.900	1,135.184	-2.00	9.571	1,135.279	-66.67	
-6.446	1,135.382	-64.87	-5.400	1,135.513	2.00	13+50	1,135.405	1,135.356	0.049	8.900	1,135.227	-2.00	9.577	1,135.318	-66.67	
-6.439	1,135.421	-64.84	-5.400	1,135.548	2.00	13+60	1,135.440	1,135.395	0.044	8.900	1,135.262	-2.00	9.569	1,135.357	-66.67	
-6.418	1,135.460	-64.75	-5.400	1,135.573	2.00	13+70	1,135.465	1,135.435	0.030	8.900	1,135.287	-2.00	9.548	1,135.397	-66.67	
-6.384	1,135.499	-64.58	-5.400	1,135.589	2.00	13+80	1,135.481	1,135.474	0.007	8.900	1,135.303	-2.00	9.514	1,135.436	-66.67	
-6.383	1,135.507	-64.58	-5.400	1,135.597	2.00	13+90	1,135.489	1,135.475	0.014	8.900	1,135.311	-2.00	9.539	1,135.426	-66.67	
-6.429	1,135.475	-64.80	-5.400	1,135.595	2.00	14+00	1,135.487	1,135.442	0.045	8.900	1,135.309	-2.00	9.586	1,135.393	-66.67	
-6.425	1,135.468	-64.78	-5.400	1,135.585	2.00	14+10	1,135.477	1,135.433	0.044	8.900	1,135.299	-2.00	9.589	1,135.381	-66.67	
-6.457	1,135.427	-64.92	-5.400	1,135.566	2.00	14+20	1,135.458	1,135.392	0.066	8.200	1,135.294	-2.00	8.937	1,135.344	-66.67	
-6.489	1,135.378	-65.03	-5.400	1,135.537	2.00	14+30	1,135.429	1,135.343	0.086	7.500	1,135.279	-2.00	8.283	1,135.299	-66.67	
-6.478	1,135.349	-64.99	-5.400	1,135.502	2.00	14+40	1,135.394	1,135.313	0.081	6.800	1,135.258	-2.00	7.594	1,135.270	-66.67	
-6.515	1,135.287	-65.11	-5.400	1,135.465	2.00	14+50	1,135.357	1,135.252	0.105	6.100	1,135.235	-2.00	6.945	1,135.213	-66.67	
-6.565	1,135.217	-65.25	-5.400	1,135.428	2.00	14+60	1,135.320	1,135.182	0.137	5.400	1,135.212	-2.00	6.306	1,135.149	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.578	1,135.171	-65.28	-5.400	1,135.391	2.00	14+70	1,135.283	1,135.113	0.170	5.400	1,135.175	-2.00	6.358	1,135.078	-66.67	
-6.540	1,135.160	-65.19	-5.400	1,135.354	2.00	14+80	1,135.246	1,135.102	0.144	5.400	1,135.138	-2.00	6.350	1,135.046	-66.67	
-6.517	1,135.138	-65.12	-5.400	1,135.317	2.00	14+90	1,135.209	1,135.079	0.130	5.400	1,135.101	-2.00	6.330	1,135.022	-66.67	
-6.456	1,135.142	-64.91	-5.400	1,135.280	2.00	15+00	1,135.172	1,135.084	0.087	5.400	1,135.064	-2.00	6.266	1,135.028	-66.67	
-6.401	1,135.140	-64.67	-5.400	1,135.242	2.00	15+10	1,135.134	1,135.083	0.051	5.400	1,135.026	-2.00	6.210	1,135.028	-66.67	
-6.352	1,135.131	-64.39	-5.400	1,135.199	2.00	15+20	1,135.091	1,135.076	0.015	5.400	1,134.983	-2.00	6.156	1,135.021	-66.67	
-6.331	1,135.097	-64.25	-5.400	1,135.151	2.00	15+30	1,135.043	1,135.043	0.000	5.400	1,134.935	-2.00	6.136	1,134.987	-66.67	
-6.320	1,135.051	-64.16	-5.400	1,135.098	2.00	15+40	1,134.990	1,134.996	-0.006	5.400	1,134.882	-2.00	6.147	1,134.926	-66.67	
-6.303	1,135.003	-64.03	-5.400	1,135.039	2.00	15+50	1,134.931	1,134.933	-0.002	5.400	1,134.823	-2.00	6.159	1,134.860	-66.67	
-6.313	1,134.932	-64.11	-5.400	1,134.975	2.00	15+60	1,134.867	1,134.861	0.006	5.400	1,134.759	-2.00	6.165	1,134.791	-66.67	
-6.308	1,134.866	-64.07	-5.400	1,134.905	2.00	15+70	1,134.797	1,134.795	0.002	5.400	1,134.689	-2.00	6.160	1,134.724	-66.67	
-6.286	1,134.805	-63.87	-5.400	1,134.830	2.00	15+80	1,134.722	1,134.735	-0.013	5.400	1,134.614	-2.00	6.142	1,134.661	-66.67	
-6.244	1,134.753	-63.38	-5.400	1,134.749	2.00	15+90	1,134.641	1,134.679	-0.038	5.400	1,134.533	-2.00	6.102	1,134.607	-66.67	
-6.198	1,134.697	-62.62	-5.400	1,134.663	2.00	16+00	1,134.555	1,134.629	-0.074	5.400	1,134.447	-2.00	6.043	1,134.561	-66.67	
-6.218	1,134.593	-63.00	-5.400	1,134.572	2.00	16+10	1,134.464	1,134.547	-0.083	5.400	1,134.356	-2.00	6.009	1,134.493	-66.67	
-6.171	1,134.532	-61.99	-5.400	1,134.481	2.00	16+20	1,134.373	1,134.446	-0.073	5.400	1,134.265	-2.00	6.033	1,134.385	-66.67	
-6.158	1,134.449	-61.62	-5.400	1,134.389	2.00	16+30	1,134.281	1,134.380	-0.099	5.400	1,134.173	-2.00	6.018	1,134.303	-66.67	
-6.170	1,134.350	-61.97	-5.400	1,134.297	2.00	16+40	1,134.189	1,134.278	-0.088	5.400	1,134.081	-2.00	6.022	1,134.209	-66.67	
-6.173	1,134.257	-62.03	-5.400	1,134.206	2.00	16+50	1,134.098	1,134.182	-0.084	5.400	1,133.990	-2.00	6.033	1,134.109	-66.67	
-6.193	1,134.152	-62.52	-5.400	1,134.114	2.00	16+60	1,134.006	1,134.085	-0.079	5.400	1,133.898	-2.00	6.041	1,134.013	-66.67	
-6.250	1,134.022	-63.47	-5.400	1,134.023	2.00	16+70	1,133.915	1,133.980	-0.065	5.400	1,133.807	-2.00	6.009	1,133.942	-66.67	
-6.262	1,133.923	-63.61	-5.400	1,133.931	2.00	16+80	1,133.823	1,133.858	-0.035	5.400	1,133.715	-2.00	6.086	1,133.800	-66.67	
-6.299	1,133.806	-63.99	-5.400	1,133.839	2.00	16+90	1,133.731	1,133.741	-0.009	5.400	1,133.623	-2.00	6.133	1,133.677	-66.67	
-6.312	1,133.706	-64.10	-5.400	1,133.748	2.00	17+00	1,133.640	1,133.623	0.016	5.400	1,133.532	-2.00	6.172	1,133.559	-66.67	
-6.193	1,133.619	-63.80	-5.400	1,133.589	0.76	17+10	1,133.548	1,133.533	0.015	5.400	1,133.507	-0.76	6.317	1,133.445	-65.89	
-6.019	1,133.541	-55.60	-5.400	1,133.405	-0.95	17+20	1,133.457	1,133.459	-0.003	5.400	1,133.508	0.95	6.464	1,133.359	-65.39	
-6.057	1,133.432	98.59	-5.400	1,133.235	-2.40	17+30	1,133.365	1,133.355	0.010	5.400	1,133.495	2.40	6.598	1,133.264	-65.19	
-6.013	1,133.297	93.98	-5.400	1,133.144	-2.40	17+40	1,133.273	1,133.231	0.042	5.400	1,133.403	2.40	6.618	1,133.159	-65.24	
-6.042	1,133.164	-68.59	-5.400	1,133.052	-2.40	17+50	1,133.182	1,133.097	0.085	5.400	1,133.311	2.40	6.679	1,133.027	-65.37	
-6.144	1,133.005	-67.22	-5.400	1,132.961	-2.40	17+60	1,133.090	1,132.992	0.098	5.400	1,133.220	2.40	6.600	1,132.988	-65.20	
-6.254	1,132.839	-66.98	-5.400	1,132.869	-2.40	17+70	1,132.999	1,132.803	0.195	5.400	1,133.128	2.40	6.757	1,132.792	-65.50	
-6.355	1,132.680	-66.89	-5.400	1,132.777	-2.40	17+80	1,132.907	1,132.629	0.278	5.400	1,133.037	2.40	6.909	1,132.599	-65.70	
-6.410	1,132.552	-66.86	-5.400	1,132.686	-2.40	17+90	1,132.815	1,132.469	0.346	5.400	1,132.945	2.40	7.054	1,132.411	-65.83	
-6.404	1,132.464	-66.86	-5.400	1,132.594	-2.40	18+00	1,132.724	1,132.356	0.368	5.400	1,132.853	2.40	7.155	1,132.252	-65.90	
-6.242	1,132.481	-67.00	-5.400	1,132.503	-2.40	18+10	1,132.632	1,132.354	0.279	5.400	1,132.762	2.40	7.082	1,132.209	-65.85	
-6.242	1,132.390	-67.00	-5.400	1,132.411	-2.40	18+20	1,132.541	1,132.255	0.286	5.400	1,132.670	2.40	7.107	1,132.101	-65.87	
-6.319	1,132.246	-66.92	-5.400	1,132.319	-2.40	18+30	1,132.449	1,132.132	0.317	5.400	1,132.579	2.40	7.114	1,132.005	-65.88	
-6.523	1,132.019	-66.82	-5.400	1,132.228	-2.40	18+40	1,132.357	1,131.969	0.389	5.400	1,132.487	2.40	7.146	1,131.892	-65.90	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.519	1,131.930	-66.82	-5.400	1,132.136	-2.40	18+50	1,132.266	1,131.851	0.415	5.400	1,132.395	2.40	7.187	1,131.773	-65.93	
-6.499	1,131.851	-66.83	-5.400	1,132.045	-2.40	18+60	1,132.174	1,131.755	0.420	5.400	1,132.304	2.40	7.217	1,131.661	-65.94	
-6.469	1,131.780	-66.84	-5.400	1,131.953	-2.40	18+70	1,132.083	1,131.689	0.393	5.400	1,132.212	2.40	7.188	1,131.588	-65.93	
-6.419	1,131.722	-66.86	-5.400	1,131.861	-2.40	18+80	1,131.991	1,131.617	0.374	5.400	1,132.121	2.40	7.173	1,131.507	-65.92	
-6.365	1,131.666	-66.89	-5.400	1,131.770	-2.40	18+90	1,131.899	1,131.573	0.327	5.400	1,132.029	2.40	7.103	1,131.462	-65.87	
-6.358	1,131.579	-66.89	-5.400	1,131.678	-2.40	19+00	1,131.808	1,131.483	0.324	5.400	1,131.937	2.40	7.093	1,131.377	-65.86	
-6.320	1,131.513	-66.92	-5.400	1,131.587	-2.40	19+10	1,131.716	1,131.408	0.308	5.400	1,131.846	2.40	7.085	1,131.291	-65.86	
-6.237	1,131.477	-67.00	-5.400	1,131.495	-2.40	19+20	1,131.625	1,131.369	0.256	5.400	1,131.754	2.40	7.014	1,131.247	-65.80	
-6.193	1,131.415	-67.08	-5.400	1,131.404	-2.40	19+30	1,131.533	1,131.314	0.219	5.400	1,131.663	2.40	6.951	1,131.197	-65.74	
-6.172	1,131.337	-67.13	-5.400	1,131.312	-2.40	19+40	1,131.442	1,131.242	0.200	5.400	1,131.571	2.40	6.912	1,131.131	-65.70	
-6.128	1,131.275	-67.29	-5.400	1,131.220	-2.40	19+50	1,131.350	1,131.176	0.174	5.400	1,131.480	2.40	6.875	1,131.064	-65.66	
-6.080	1,131.215	-67.66	-5.400	1,131.129	-2.40	19+60	1,131.258	1,131.115	0.143	5.400	1,131.388	2.40	6.829	1,131.004	-65.61	
-6.041	1,131.149	-68.62	-5.400	1,131.037	-2.40	19+70	1,131.167	1,131.051	0.116	5.400	1,131.296	2.40	6.773	1,130.949	-65.53	
-6.009	1,131.095	91.55	-5.400	1,130.946	-2.40	19+80	1,131.075	1,130.994	0.081	5.400	1,131.205	2.40	6.716	1,130.896	-65.44	
-6.044	1,131.037	98.18	-5.400	1,130.854	-2.40	19+90	1,130.984	1,130.961	0.023	5.400	1,131.113	2.40	6.642	1,130.854	-65.30	
-6.073	1,130.974	98.90	-5.400	1,130.762	-2.40	20+00	1,130.892	1,130.884	0.008	5.400	1,131.022	2.40	6.600	1,130.790	-65.20	
-6.060	1,130.871	98.67	-5.400	1,130.671	-2.40	20+10	1,130.800	1,130.760	0.041	5.400	1,130.930	2.40	6.664	1,130.656	-65.34	
-6.100	1,130.823	99.20	-5.400	1,130.584	-2.40	20+20	1,130.713	1,130.689	0.024	5.400	1,130.843	2.40	6.693	1,130.549	-65.40	
-6.141	1,130.785	99.43	-5.400	1,130.505	-2.40	20+30	1,130.635	1,130.651	-0.017	5.400	1,130.764	2.40	6.632	1,130.512	-65.27	
-6.173	1,130.748	99.54	-5.400	1,130.435	-2.40	20+40	1,130.565	1,130.601	-0.036	5.400	1,130.695	2.40	6.626	1,130.445	-65.26	
-6.152	1,130.666	99.47	-5.400	1,130.374	-2.40	20+50	1,130.504	1,130.528	-0.024	5.400	1,130.634	2.40	6.634	1,130.379	-65.28	
-6.115	1,130.577	99.31	-5.400	1,130.322	-2.40	20+60	1,130.452	1,130.447	0.004	5.400	1,130.581	2.40	6.653	1,130.314	-65.32	
-6.133	1,130.551	99.40	-5.400	1,130.279	-2.40	20+70	1,130.408	1,130.423	-0.014	5.400	1,130.538	2.40	6.637	1,130.282	-65.29	
-6.138	1,130.522	99.42	-5.400	1,130.244	-2.40	20+80	1,130.374	1,130.392	-0.018	5.400	1,130.503	2.40	6.632	1,130.251	-65.27	
-6.142	1,130.500	99.44	-5.400	1,130.218	-2.40	20+90	1,130.348	1,130.366	-0.018	5.400	1,130.477	2.40	6.637	1,130.221	-65.29	
-6.159	1,130.499	99.50	-5.400	1,130.201	-2.40	21+00	1,130.331	1,130.360	-0.030	5.400	1,130.460	2.40	6.627	1,130.210	-65.26	
-6.161	1,130.493	99.50	-5.400	1,130.192	-2.40	21+10	1,130.322	1,130.356	-0.034	5.400	1,130.452	2.40	6.616	1,130.209	-65.24	
-6.152	1,130.480	99.47	-5.400	1,130.188	-2.40	21+20	1,130.318	1,130.345	-0.027	5.400	1,130.448	2.40	6.623	1,130.201	-65.25	
-6.130	1,130.454	99.38	-5.400	1,130.184	-2.40	21+30	1,130.314	1,130.324	-0.010	5.400	1,130.444	2.40	6.648	1,130.180	-65.31	
-6.120	1,130.440	99.33	-5.400	1,130.180	-2.40	21+40	1,130.310	1,130.311	-0.001	5.400	1,130.440	2.40	6.654	1,130.172	-65.32	
-6.040	1,130.444	105.25	-5.400	1,130.255	-0.94	21+50	1,130.306	1,130.318	-0.012	5.400	1,130.357	0.94	6.501	1,130.182	-65.49	
-6.086	1,130.445	-60.23	-5.400	1,130.344	0.77	21+60	1,130.302	1,130.315	-0.014	5.400	1,130.260	-0.77	6.343	1,130.181	-65.95	
-6.177	1,130.454	-62.14	-5.400	1,130.406	2.00	21+70	1,130.298	1,130.320	-0.023	5.400	1,130.190	-2.00	6.219	1,130.186	-66.67	
-6.176	1,130.451	-62.11	-5.400	1,130.402	2.00	21+80	1,130.294	1,130.320	-0.027	5.400	1,130.186	-2.00	6.208	1,130.189	-66.67	
-6.188	1,130.439	-62.40	-5.400	1,130.398	2.00	21+90	1,130.290	1,130.308	-0.019	5.400	1,130.182	-2.00	6.220	1,130.177	-66.67	
-6.189	1,130.433	-62.44	-5.400	1,130.394	2.00	22+00	1,130.286	1,130.302	-0.016	5.400	1,130.178	-2.00	6.225	1,130.169	-66.67	
-6.172	1,130.441	-62.02	-5.400	1,130.390	2.00	22+10	1,130.282	1,130.309	-0.028	5.400	1,130.174	-2.00	6.209	1,130.176	-66.67	
-6.192	1,130.423	-62.51	-5.400	1,130.385	2.00	22+20	1,130.277	1,130.290	-0.013	5.400	1,130.169	-2.00	6.233	1,130.156	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.210	1,130.407	-62.86	-5.400	1,130.381	2.00	22+30	1,130.273	1,130.271	0.003	5.400	1,130.165	-2.00	6.261	1,130.133	-66.67	
-6.231	1,130.389	-63.21	-5.400	1,130.377	2.00	22+40	1,130.269	1,130.254	0.015	5.400	1,130.161	-2.00	6.273	1,130.122	-66.67	
-6.216	1,130.395	-62.96	-5.400	1,130.373	2.00	22+50	1,130.265	1,130.267	-0.001	5.400	1,130.157	-2.00	6.242	1,130.138	-66.67	
-6.229	1,130.383	-63.17	-5.400	1,130.369	2.00	22+60	1,130.261	1,130.251	0.010	5.400	1,130.153	-2.00	6.263	1,130.120	-66.67	
-6.246	1,130.367	-63.42	-5.400	1,130.365	2.00	22+70	1,130.257	1,130.234	0.023	5.400	1,130.149	-2.00	6.287	1,130.100	-66.67	
-6.265	1,130.351	-63.64	-5.400	1,130.361	2.00	22+80	1,130.253	1,130.218	0.035	5.400	1,130.145	-2.00	6.305	1,130.084	-66.67	
-6.283	1,130.334	-63.84	-5.400	1,130.357	2.00	22+90	1,130.249	1,130.204	0.045	5.400	1,130.141	-2.00	6.314	1,130.074	-66.67	
-6.309	1,130.313	-64.08	-5.400	1,130.353	2.00	23+00	1,130.245	1,130.185	0.061	5.400	1,130.137	-2.00	6.335	1,130.056	-66.67	
-6.324	1,130.299	-64.20	-5.400	1,130.349	2.00	23+10	1,130.241	1,130.170	0.071	5.400	1,130.133	-2.00	6.350	1,130.041	-66.67	
-6.327	1,130.293	-64.22	-5.400	1,130.345	2.00	23+20	1,130.237	1,130.166	0.071	5.400	1,130.129	-2.00	6.349	1,130.038	-66.67	
-6.360	1,130.267	-64.44	-5.400	1,130.341	2.00	23+30	1,130.233	1,130.146	0.087	5.400	1,130.125	-2.00	6.369	1,130.021	-66.67	
-6.392	1,130.242	-64.62	-5.400	1,130.337	2.00	23+40	1,130.229	1,130.121	0.108	5.400	1,130.121	-2.00	6.399	1,129.997	-66.67	
-6.437	1,130.208	-64.84	-5.400	1,130.333	2.00	23+50	1,130.225	1,130.082	0.142	5.408	1,130.117	-2.00	6.482	1,129.943	-66.67	
-6.461	1,130.187	-64.93	-5.400	1,130.329	2.00	23+60	1,130.221	1,130.060	0.160	6.108	1,130.099	-2.00	7.222	1,129.898	-66.67	
-6.476	1,130.173	-64.99	-5.400	1,130.325	2.00	23+70	1,130.217	1,130.048	0.169	6.808	1,130.080	-2.00	7.930	1,129.874	-66.67	
-6.468	1,130.174	-64.96	-5.400	1,130.321	2.00	23+80	1,130.213	1,130.052	0.160	7.508	1,130.062	-2.00	8.590	1,129.883	-66.67	
-6.246	1,130.319	-63.41	-5.400	1,130.317	2.00	23+90	1,130.209	1,130.184	0.025	8.208	1,130.044	-2.00	9.197	1,129.927	-66.67	
-6.074	1,130.552	110.87	-5.400	1,130.312	2.00	24+00	1,130.204	1,130.397	-0.193	8.900	1,130.026	-2.00	9.612	1,130.094	-66.67	
-6.526	1,131.000	101.52	-5.400	1,130.308	2.00	24+10	1,130.200	1,130.791	-0.591	8.900	1,130.022	-2.00	9.731	1,130.396	100.00	
-6.542	1,131.012	101.48	-5.400	1,130.304	2.00	24+20	1,130.196	1,130.993	-0.796	8.900	1,130.018	-2.00	9.880	1,130.540	100.00	
-6.535	1,131.001	101.50	-5.400	1,130.300	2.00	24+30	1,130.192	1,130.849	-0.657	8.900	1,130.014	-2.00	9.901	1,130.557	100.00	
-6.299	1,130.761	102.67	-5.400	1,130.296	2.00	24+40	1,130.188	1,130.610	-0.422	8.900	1,130.010	-2.00	9.669	1,130.321	100.00	
-6.237	1,130.695	103.37	-5.400	1,130.292	2.00	24+50	1,130.184	1,130.499	-0.315	8.900	1,130.006	-2.00	9.550	1,130.198	100.00	
-6.169	1,130.623	104.73	-5.400	1,130.288	2.00	24+60	1,130.180	1,130.474	-0.294	8.900	1,130.002	-2.00	9.562	1,130.206	100.00	
-6.121	1,130.571	106.60	-5.400	1,130.284	2.00	24+70	1,130.176	1,130.399	-0.223	8.900	1,129.998	-2.00	9.515	1,130.130	-66.67	
-6.178	1,130.624	104.49	-5.400	1,130.280	2.00	24+80	1,130.172	1,130.413	-0.241	8.900	1,129.994	-2.00	9.587	1,130.078	-66.67	
-6.228	1,130.670	103.51	-5.400	1,130.276	2.00	24+90	1,130.168	1,130.473	-0.305	8.900	1,129.990	-2.00	9.540	1,130.172	100.00	
-6.329	1,130.767	102.43	-5.400	1,130.272	2.00	25+00	1,130.164	1,130.578	-0.414	8.871	1,129.987	-2.00	9.637	1,130.294	100.00	
-6.374	1,130.808	102.14	-5.400	1,130.268	2.00	25+10	1,130.160	1,130.577	-0.417	6.378	1,130.032	-2.00	7.122	1,130.318	100.00	
-6.303	1,130.733	102.64	-5.400	1,130.264	2.00	25+20	1,130.156	1,130.504	-0.348	5.400	1,130.048	-2.00	6.093	1,130.283	100.00	
-6.254	1,130.680	103.15	-5.400	1,130.260	2.00	25+30	1,130.152	1,130.444	-0.292	5.400	1,130.044	-2.00	6.031	1,130.217	100.00	
-6.326	1,130.748	102.45	-5.400	1,130.256	2.00	25+40	1,130.148	1,130.528	-0.380	5.400	1,130.040	-2.00	6.112	1,130.294	100.00	
-6.478	1,130.895	101.68	-5.400	1,130.252	2.00	25+50	1,130.144	1,130.602	-0.459	5.400	1,130.036	-2.00	6.116	1,130.293	100.00	
-6.477	1,130.891	101.68	-5.400	1,130.248	2.00	25+60	1,130.140	1,130.603	-0.464	6.485	1,130.010	-2.00	7.181	1,130.248	100.00	
-6.384	1,130.794	102.08	-5.400	1,130.244	2.00	25+70	1,130.136	1,130.538	-0.402	8.900	1,129.958	-2.00	9.545	1,130.144	100.00	
-6.210	1,130.616	103.80	-5.400	1,130.240	2.00	25+80	1,130.132	1,130.478	-0.346	8.900	1,129.954	-2.00	9.581	1,130.176	100.00	
-6.068	1,130.470	111.69	-5.400	1,130.235	2.00	25+90	1,130.127	1,130.304	-0.177	8.900	1,129.949	-2.00	9.539	1,130.065	-66.67	
-6.010	1,130.408	177.72	-5.400	1,130.231	2.00	26+00	1,130.123	1,130.280	-0.157	8.900	1,129.945	-2.00	9.606	1,130.017	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.084	1,130.337	-57.13	-5.400	1,130.227	2.00	26+10	1,130.119	1,130.197	-0.078	8.900	1,129.941	-2.00	9.689	1,129.958	-66.67	
-6.187	1,130.264	-62.40	-5.400	1,130.223	2.00	26+20	1,130.115	1,130.111	0.004	8.900	1,129.937	-2.00	9.965	1,129.769	-66.67	
-6.214	1,130.243	-62.92	-5.400	1,130.219	2.00	26+30	1,130.111	1,130.065	0.047	8.900	1,129.933	-2.00	10.027	1,129.724	-66.67	
-6.185	1,130.258	-62.34	-5.400	1,130.215	2.00	26+40	1,130.107	1,130.088	0.019	8.900	1,129.929	-2.00	9.959	1,129.765	-66.67	
-6.090	1,130.317	-57.80	-5.400	1,130.211	2.00	26+50	1,130.103	1,130.148	-0.044	8.900	1,129.925	-2.00	9.824	1,129.851	-66.67	
-6.095	1,130.310	-58.21	-5.400	1,130.207	2.00	26+60	1,130.099	1,130.171	-0.072	8.900	1,129.921	-2.00	9.716	1,129.919	-66.67	
-6.136	1,130.278	-60.79	-5.400	1,130.203	2.00	26+70	1,130.095	1,130.150	-0.055	8.878	1,129.917	-2.00	9.702	1,129.910	-66.67	
-6.209	1,130.225	-62.85	-5.400	1,130.199	2.00	26+80	1,130.091	1,130.119	-0.028	8.178	1,129.927	-2.00	8.973	1,129.939	-66.67	
-6.202	1,130.227	-62.70	-5.400	1,130.195	2.00	26+90	1,130.087	1,130.124	-0.038	7.478	1,129.937	-2.00	8.245	1,129.968	-66.67	
-6.230	1,130.204	-63.19	-5.400	1,130.191	2.00	27+00	1,130.083	1,130.103	-0.020	6.778	1,129.947	-2.00	7.583	1,129.953	-66.67	
-6.236	1,130.195	-63.28	-5.400	1,130.187	2.00	27+10	1,130.079	1,130.094	-0.015	6.078	1,129.957	-2.00	6.823	1,130.002	-66.67	
-6.289	1,130.156	-63.90	-5.400	1,130.183	2.00	27+20	1,130.075	1,130.056	0.019	5.400	1,129.967	-2.00	6.283	1,129.920	-66.67	
-6.359	1,130.105	-64.44	-5.400	1,130.179	2.00	27+30	1,130.071	1,129.998	0.073	5.400	1,129.963	-2.00	6.356	1,129.867	-66.67	
-6.421	1,130.060	-64.77	-5.400	1,130.175	2.00	27+40	1,130.067	1,129.940	0.127	5.400	1,129.959	-2.00	6.452	1,129.799	-66.67	
-6.394	1,130.074	-64.64	-5.400	1,130.171	2.00	27+50	1,130.063	1,129.934	0.128	5.400	1,129.955	-2.00	6.481	1,129.776	-66.67	
-6.327	1,130.114	-64.22	-5.400	1,130.167	2.00	27+60	1,130.059	1,130.015	0.044	5.400	1,129.951	-2.00	6.418	1,129.814	-66.67	
-6.296	1,130.131	-63.96	-5.400	1,130.162	2.00	27+70	1,130.054	1,130.033	0.022	5.400	1,129.946	-2.00	6.373	1,129.840	-66.67	
-6.301	1,130.124	-64.01	-5.400	1,130.158	2.00	27+80	1,130.050	1,130.023	0.028	5.400	1,129.942	-2.00	6.363	1,129.843	-66.67	
-6.234	1,130.165	-63.24	-5.400	1,130.154	2.00	27+90	1,130.046	1,130.067	-0.021	5.400	1,129.938	-2.00	6.218	1,129.935	-66.67	
-6.228	1,130.164	-63.16	-5.400	1,130.150	2.00	28+00	1,130.042	1,130.087	-0.044	5.400	1,129.934	-2.00	6.098	1,130.011	-66.67	
-6.171	1,130.198	-62.00	-5.400	1,130.146	2.00	28+10	1,130.038	1,130.120	-0.081	5.400	1,129.930	-2.00	6.044	1,130.043	-66.67	
-6.147	1,130.210	-61.24	-5.400	1,130.142	2.00	28+20	1,130.034	1,130.132	-0.098	5.400	1,129.926	-2.00	6.019	1,130.055	-66.67	
-6.185	1,130.181	-62.34	-5.400	1,130.138	2.00	28+30	1,130.030	1,130.106	-0.076	5.400	1,129.922	-2.00	6.047	1,130.033	-66.67	
-6.272	1,130.119	-63.72	-5.400	1,130.134	2.00	28+40	1,130.026	1,130.045	-0.019	5.400	1,129.918	-2.00	6.129	1,129.974	-66.67	
-6.336	1,130.072	-64.29	-5.400	1,130.130	2.00	28+50	1,130.022	1,129.993	0.029	5.400	1,129.914	-2.00	6.257	1,129.885	-66.67	
-6.323	1,130.076	-64.19	-5.400	1,130.126	2.00	28+60	1,130.018	1,129.992	0.026	5.400	1,129.910	-2.00	6.283	1,129.863	-66.67	
-6.273	1,130.106	-63.74	-5.400	1,130.122	2.00	28+70	1,130.014	1,130.011	0.003	5.400	1,129.906	-2.00	6.401	1,129.780	-66.67	
-6.286	1,130.093	-63.87	-5.400	1,130.118	2.00	28+80	1,130.010	1,130.007	0.003	5.400	1,129.902	-2.00	6.337	1,129.819	-66.67	
-6.363	1,130.036	-64.46	-5.400	1,130.112	2.00	28+90	1,130.004	1,130.007	-0.003	5.400	1,129.896	-2.00	6.309	1,129.832	-66.67	
-6.367	1,130.023	-64.49	-5.400	1,130.101	2.00	29+00	1,129.993	1,130.003	-0.010	5.400	1,129.885	-2.00	6.286	1,129.837	-66.67	
-6.393	1,129.991	-64.63	-5.400	1,130.087	2.00	29+10	1,129.979	1,129.916	0.063	5.400	1,129.871	-2.00	6.464	1,129.703	-66.67	
-6.437	1,129.942	-64.84	-5.400	1,130.068	2.00	29+20	1,129.960	1,129.932	0.027	5.400	1,129.852	-2.00	6.377	1,129.742	-66.67	
-6.377	1,129.959	-64.54	-5.400	1,130.044	2.00	29+30	1,129.936	1,129.938	-0.002	5.400	1,129.828	-2.00	6.177	1,129.853	-66.67	
-6.152	1,130.082	-61.39	-5.400	1,130.017	2.00	29+40	1,129.909	1,130.002	-0.094	5.400	1,129.801	-2.00	6.040	1,129.983	100.00	
-6.284	1,130.435	102.82	-5.400	1,129.985	2.00	29+50	1,129.877	1,130.418	-0.541	5.400	1,129.769	-2.00	6.368	1,130.280	100.00	
-6.658	1,130.773	101.22	-5.400	1,129.949	2.00	29+60	1,129.841	1,130.825	-0.984	5.400	1,129.733	-2.00	6.782	1,130.657	100.00	
-6.925	1,131.000	100.86	-5.400	1,129.909	2.00	29+70	1,129.801	1,131.001	-1.200	5.400	1,129.693	-2.00	7.165	1,131.000	100.00	
-6.971	1,131.001	100.82	-5.400	1,129.864	2.00	29+80	1,129.756	1,131.001	-1.244	5.400	1,129.648	-2.00	7.210	1,131.000	100.00	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.724	1,130.707	101.11	-5.400	1,129.818	2.00	29+90	1,129.710	1,130.553	-0.843	5.400	1,129.602	-2.00	6.602	1,130.346	100.00	
-6.345	1,130.282	102.32	-5.400	1,129.771	2.00	30+00	1,129.663	1,129.978	-0.315	5.400	1,129.555	-2.00	6.171	1,129.868	100.00	
-6.013	1,129.903	163.07	-5.400	1,129.725	2.00	30+10	1,129.617	1,129.776	-0.159	5.400	1,129.509	-2.00	6.006	1,129.647	-66.67	
-6.174	1,129.728	-62.07	-5.400	1,129.678	2.00	30+20	1,129.570	1,129.572	-0.002	5.400	1,129.462	-2.00	6.253	1,129.435	-66.67	
-6.247	1,129.632	-63.43	-5.400	1,129.631	2.00	30+30	1,129.523	1,129.472	0.052	5.400	1,129.415	-2.00	6.360	1,129.317	-66.67	
-6.203	1,129.615	-62.72	-5.400	1,129.585	2.00	30+40	1,129.477	1,129.449	0.028	5.400	1,129.369	-2.00	6.336	1,129.286	-66.67	
-6.130	1,129.618	-60.50	-5.400	1,129.538	2.00	30+50	1,129.430	1,129.464	-0.034	5.400	1,129.322	-2.00	6.232	1,129.309	-66.67	
-6.071	1,129.610	-55.41	-5.400	1,129.491	2.00	30+60	1,129.383	1,129.468	-0.084	5.400	1,129.275	-2.00	6.141	1,129.324	-66.67	
-6.097	1,129.546	-58.40	-5.400	1,129.445	2.00	30+70	1,129.337	1,129.409	-0.072	5.400	1,129.229	-2.00	6.152	1,129.270	-66.67	
-6.126	1,129.480	-60.30	-5.400	1,129.398	2.00	30+80	1,129.290	1,129.344	-0.054	5.400	1,129.182	-2.00	6.177	1,129.206	-66.67	
-6.138	1,129.426	-60.86	-5.400	1,129.352	2.00	30+90	1,129.244	1,129.295	-0.052	5.400	1,129.136	-2.00	6.171	1,129.164	-66.67	
-6.152	1,129.370	-61.41	-5.400	1,129.305	2.00	31+00	1,129.197	1,129.243	-0.046	5.400	1,129.089	-2.00	6.172	1,129.116	-66.67	
-6.215	1,129.281	-62.94	-5.400	1,129.258	2.00	31+10	1,129.150	1,129.162	-0.012	5.400	1,129.042	-2.00	6.210	1,129.045	-66.67	
-6.190	1,129.251	-62.47	-5.400	1,129.212	2.00	31+20	1,129.104	1,129.101	0.003	5.400	1,128.996	-2.00	6.250	1,128.971	-66.67	
-6.170	1,129.218	-61.96	-5.400	1,129.165	2.00	31+30	1,129.057	1,129.053	0.004	5.400	1,128.949	-2.00	6.171	1,128.977	-66.67	
-6.207	1,129.146	-62.81	-5.400	1,129.118	2.00	31+40	1,129.010	1,129.035	-0.025	5.400	1,128.902	-2.00	6.063	1,129.003	-66.67	
-6.342	1,129.010	-64.33	-5.400	1,129.072	2.00	31+50	1,128.964	1,128.987	-0.023	5.400	1,128.856	-2.00	6.127	1,128.913	-66.67	
-6.455	1,128.888	-64.91	-5.400	1,129.025	2.00	31+60	1,128.917	1,128.765	0.152	5.400	1,128.809	-2.00	6.438	1,128.659	-66.67	
-6.594	1,128.748	-65.32	-5.400	1,128.979	2.00	31+70	1,128.871	1,128.603	0.268	5.400	1,128.763	-2.00	6.665	1,128.461	-66.67	
-6.651	1,128.664	-65.44	-5.400	1,128.932	2.00	31+80	1,128.824	1,128.512	0.312	5.400	1,128.716	-2.00	6.749	1,128.359	-66.67	
-6.638	1,128.626	-65.41	-5.400	1,128.885	2.00	31+90	1,128.777	1,128.453	0.324	5.400	1,128.669	-2.00	6.801	1,128.277	-66.67	
-6.552	1,128.637	-65.22	-5.400	1,128.839	2.00	32+00	1,128.731	1,128.447	0.284	5.400	1,128.623	-2.00	6.757	1,128.260	-66.67	
-6.489	1,128.632	-65.03	-5.400	1,128.792	2.00	32+10	1,128.684	1,128.455	0.229	5.400	1,128.576	-2.00	6.669	1,128.272	-66.67	
-6.466	1,128.601	-64.95	-5.400	1,128.745	2.00	32+20	1,128.637	1,128.437	0.200	5.400	1,128.529	-2.00	6.616	1,128.261	-66.67	
-6.523	1,128.513	-65.14	-5.400	1,128.695	2.00	32+30	1,128.587	1,128.335	0.252	5.400	1,128.479	-2.00	6.700	1,128.154	-66.67	
-6.462	1,128.496	-64.94	-5.400	1,128.638	2.00	32+40	1,128.530	1,128.365	0.165	5.400	1,128.422	-2.00	6.620	1,128.151	-66.67	
-6.196	1,128.609	-62.58	-5.400	1,128.574	2.00	32+50	1,128.466	1,128.314	0.152	5.400	1,128.358	-2.00	6.738	1,128.008	-66.67	
-6.082	1,128.751	109.71	-5.400	1,128.503	2.00	32+60	1,128.395	1,128.375	0.019	5.400	1,128.287	-2.00	6.672	1,127.981	-66.67	
-6.220	1,128.810	103.64	-5.400	1,128.424	2.00	32+70	1,128.316	1,128.298	0.018	5.400	1,128.208	-2.00	6.625	1,127.934	-66.67	
-6.479	1,128.185	-65.00	-5.400	1,128.339	2.00	32+80	1,128.231	1,127.963	0.267	5.400	1,128.123	-2.00	6.767	1,127.753	-66.67	
-6.257	1,128.241	-63.56	-5.400	1,128.246	2.00	32+90	1,128.138	1,127.924	0.215	5.400	1,128.030	-2.00	6.832	1,127.618	-66.67	
-6.332	1,128.091	-64.26	-5.400	1,128.147	2.00	33+00	1,128.039	1,127.781	0.258	5.400	1,127.931	-2.00	6.922	1,127.458	-66.67	
-6.859	1,127.634	-65.74	-5.400	1,128.040	2.00	33+10	1,127.932	1,127.508	0.424	5.400	1,127.824	-2.00	7.109	1,127.227	-66.67	
-7.440	1,127.133	-66.11	-5.400	1,127.927	2.00	33+20	1,127.819	1,127.007	0.812	5.400	1,127.711	-2.00	7.336	1,126.962	-66.67	
-7.514	1,126.966	-66.14	-5.400	1,127.810	2.00	33+30	1,127.702	1,126.881	0.821	5.400	1,127.594	-2.00	7.415	1,126.792	-66.67	
-7.497	1,126.860	-66.13	-5.400	1,127.692	2.00	33+40	1,127.584	1,126.750	0.835	5.400	1,127.476	-2.00	7.468	1,126.640	-66.67	
-7.419	1,126.795	-66.10	-5.400	1,127.575	2.00	33+50	1,127.467	1,126.668	0.799	5.400	1,127.359	-2.00	7.441	1,126.541	-66.67	
-7.283	1,126.769	-66.04	-5.400	1,127.458	2.00	33+60	1,127.350	1,126.638	0.712	5.400	1,127.242	-2.00	7.316	1,126.507	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-7.287	1,126.649	-66.05	-5.400	1,127.341	2.00	33+70	1,127.233	1,126.501	0.732	5.400	1,127.125	-2.00	7.335	1,126.377	-66.67	
-7.200	1,126.590	-66.00	-5.400	1,127.224	2.00	33+80	1,127.116	1,126.439	0.677	5.400	1,127.008	-2.00	7.330	1,126.263	-66.67	
-7.216	1,126.462	-66.01	-5.400	1,127.107	2.00	33+90	1,126.999	1,126.334	0.665	5.400	1,126.891	-2.00	7.237	1,126.208	-66.67	
-7.130	1,126.403	-65.96	-5.400	1,126.990	2.00	34+00	1,126.882	1,126.280	0.601	5.400	1,126.774	-2.00	7.137	1,126.158	-66.67	
-7.156	1,126.268	-65.97	-5.400	1,126.873	2.00	34+10	1,126.765	1,126.173	0.592	5.400	1,126.657	-2.00	7.080	1,126.078	-66.67	
-7.150	1,126.155	-65.97	-5.400	1,126.756	2.00	34+20	1,126.648	1,126.036	0.612	5.400	1,126.540	-2.00	7.141	1,125.921	-66.67	
-7.155	1,126.035	-65.97	-5.400	1,126.638	2.00	34+30	1,126.530	1,125.907	0.623	5.400	1,126.422	-2.00	7.160	1,125.791	-66.67	
-7.112	1,125.946	-65.95	-5.400	1,126.521	2.00	34+40	1,126.413	1,125.806	0.607	5.400	1,126.305	-2.00	7.153	1,125.679	-66.67	
-6.995	1,125.907	-65.86	-5.400	1,126.404	2.00	34+50	1,126.296	1,125.765	0.531	5.400	1,126.188	-2.00	7.062	1,125.622	-66.67	
-6.830	1,125.900	-65.70	-5.400	1,126.287	2.00	34+60	1,126.179	1,125.755	0.424	5.400	1,126.071	-2.00	6.906	1,125.609	-66.67	
-6.629	1,125.917	-65.39	-5.400	1,126.170	2.00	34+70	1,126.062	1,125.795	0.267	5.400	1,125.954	-2.00	6.627	1,125.678	-66.67	
-6.328	1,126.000	-64.23	-5.400	1,126.053	2.00	34+80	1,125.945	1,125.927	0.018	5.400	1,125.837	-2.00	6.297	1,125.781	-66.67	
-6.561	1,125.727	-65.24	-5.400	1,125.936	2.00	34+90	1,125.828	1,125.662	0.165	5.400	1,125.720	-2.00	6.392	1,125.600	-66.67	
-6.869	1,125.405	-65.75	-5.400	1,125.819	2.00	35+00	1,125.711	1,125.336	0.374	5.400	1,125.603	-2.00	6.700	1,125.278	-66.67	
-7.116	1,125.123	-65.95	-5.400	1,125.701	2.00	35+10	1,125.593	1,125.010	0.583	5.400	1,125.485	-2.00	6.966	1,124.983	-66.67	
-7.152	1,124.982	-65.97	-5.400	1,125.584	2.00	35+20	1,125.476	1,124.885	0.592	5.400	1,125.368	-2.00	7.083	1,124.788	-66.67	
-7.163	1,124.858	-65.98	-5.400	1,125.467	2.00	35+30	1,125.359	1,124.755	0.604	5.400	1,125.251	-2.00	7.137	1,124.635	-66.67	
-7.153	1,124.747	-65.97	-5.400	1,125.350	2.00	35+40	1,125.242	1,124.635	0.607	5.400	1,125.134	-2.00	7.111	1,124.536	-66.67	
-7.067	1,124.687	-65.92	-5.400	1,125.233	2.00	35+50	1,125.125	1,124.544	0.581	5.400	1,125.017	-2.00	7.108	1,124.420	-66.67	
-6.850	1,124.715	-65.73	-5.400	1,125.116	2.00	35+60	1,125.008	1,124.562	0.446	5.400	1,124.900	-2.00	6.954	1,124.406	-66.67	
-6.817	1,124.620	-65.69	-5.400	1,124.999	2.00	35+70	1,124.891	1,124.467	0.423	5.400	1,124.783	-2.00	6.916	1,124.314	-66.67	
-6.757	1,124.543	-65.61	-5.400	1,124.882	2.00	35+80	1,124.774	1,124.343	0.431	5.400	1,124.666	-2.00	6.999	1,124.141	-66.67	
-6.734	1,124.441	-65.58	-5.400	1,124.764	2.00	35+90	1,124.656	1,124.241	0.416	5.400	1,124.548	-2.00	6.987	1,124.033	-66.67	
-6.726	1,124.330	-65.56	-5.400	1,124.647	2.00	36+00	1,124.539	1,124.160	0.379	5.400	1,124.431	-2.00	6.860	1,124.000	-66.67	
-6.770	1,124.183	-65.63	-5.400	1,124.530	2.00	36+10	1,124.422	1,124.017	0.405	5.400	1,124.314	-2.00	6.775	1,123.940	-66.67	
-6.897	1,123.981	-65.77	-5.400	1,124.413	2.00	36+20	1,124.305	1,123.868	0.437	5.400	1,124.197	-2.00	6.951	1,123.705	-66.67	
-7.038	1,123.770	-65.90	-5.400	1,124.296	2.00	36+30	1,124.188	1,123.625	0.563	5.400	1,124.080	-2.00	7.069	1,123.509	-66.67	
-7.045	1,123.648	-65.90	-5.400	1,124.179	2.00	36+40	1,124.071	1,123.479	0.592	5.400	1,123.963	-2.00	7.203	1,123.303	-66.67	
-7.046	1,123.530	-65.90	-5.400	1,124.062	2.00	36+50	1,123.954	1,123.337	0.617	5.400	1,123.846	-2.00	7.256	1,123.150	-66.67	
-6.729	1,123.624	-65.57	-5.400	1,123.945	2.00	36+60	1,123.837	1,123.410	0.427	5.400	1,123.729	-2.00	7.028	1,123.185	-66.67	
-6.663	1,123.551	-65.46	-5.400	1,123.828	2.00	36+70	1,123.720	1,123.358	0.361	5.400	1,123.612	-2.00	6.925	1,123.137	-66.67	
-6.790	1,123.349	-65.65	-5.400	1,123.710	2.00	36+80	1,123.602	1,123.148	0.454	5.400	1,123.494	-2.00	7.017	1,122.958	-66.67	
-6.969	1,123.114	-65.84	-5.400	1,123.593	2.00	36+90	1,123.485	1,122.959	0.526	5.400	1,123.377	-2.00	7.081	1,122.799	-66.67	
-7.054	1,122.940	-65.91	-5.400	1,123.476	2.00	37+00	1,123.368	1,122.798	0.570	5.400	1,123.260	-2.00	7.118	1,122.657	-66.67	
-7.019	1,122.846	-65.88	-5.400	1,123.359	2.00	37+10	1,123.251	1,122.673	0.578	5.400	1,123.143	-2.00	7.177	1,122.500	-66.67	
-6.905	1,122.805	-65.78	-5.400	1,123.242	2.00	37+20	1,123.134	1,122.625	0.508	5.400	1,123.026	-2.00	7.090	1,122.441	-66.67	
-6.757	1,122.786	-65.61	-5.400	1,123.125	2.00	37+30	1,123.017	1,122.605	0.412	5.400	1,122.909	-2.00	6.948	1,122.419	-66.67	
-6.391	1,122.913	-64.62	-5.400	1,123.008	2.00	37+40	1,122.900	1,122.762	0.138	5.400	1,122.792	-2.00	6.486	1,122.610	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.067	1,123.012	-54.79	-5.400	1,122.891	2.00	37+50	1,122.783	1,122.957	-0.175	5.400	1,122.675	-2.00	6.099	1,122.751	-66.67	
-6.080	1,123.020	109.98	-5.400	1,122.773	2.00	37+60	1,122.665	1,123.002	-0.337	5.400	1,122.557	-2.00	6.047	1,122.746	100.00	
-6.198	1,123.020	104.04	-5.400	1,122.656	2.00	37+70	1,122.548	1,123.002	-0.453	5.400	1,122.440	-2.00	6.120	1,122.702	100.00	
-6.311	1,123.016	102.57	-5.400	1,122.539	2.00	37+80	1,122.431	1,122.887	-0.456	5.400	1,122.323	-2.00	6.123	1,122.588	100.00	
-6.239	1,122.827	103.34	-5.400	1,122.422	2.00	37+90	1,122.314	1,122.626	-0.312	5.400	1,122.206	-2.00	6.016	1,122.364	100.00	
			-5.400	1,122.305	2.00	38+00	1,122.197	1,122.277	-0.080	5.400	1,122.089	-2.00	6.256	1,122.061	-66.67	
-6.447	1,122.056	-64.88	-5.400	1,122.188	2.00	38+10	1,122.080	1,121.937	0.143	5.400	1,121.972	-2.00	6.541	1,121.753	-66.67	
-6.690	1,121.777	-65.51	-5.400	1,122.071	2.00	38+20	1,121.963	1,121.620	0.342	5.400	1,121.855	-2.00	6.717	1,121.519	-66.67	
-6.749	1,121.620	-65.60	-5.400	1,121.954	2.00	38+30	1,121.846	1,121.474	0.371	5.400	1,121.738	-2.00	6.888	1,121.287	-66.67	
-6.739	1,121.510	-65.58	-5.400	1,121.836	2.00	38+40	1,121.728	1,121.342	0.387	5.400	1,121.620	-2.00	6.889	1,121.170	-66.67	
-6.702	1,121.417	-65.53	-5.400	1,121.719	2.00	38+50	1,121.611	1,121.261	0.351	5.400	1,121.503	-2.00	6.816	1,121.101	-66.67	
-6.655	1,121.332	-65.45	-5.400	1,121.602	2.00	38+60	1,121.494	1,121.157	0.337	6.037	1,121.373	-2.00	7.462	1,120.965	-66.67	
-6.614	1,121.242	-65.36	-5.400	1,121.485	2.00	38+70	1,121.377	1,121.066	0.311	6.737	1,121.242	-2.00	8.128	1,120.857	-66.67	
-6.520	1,121.188	-65.13	-5.400	1,121.368	2.00	38+80	1,121.260	1,121.023	0.237	7.437	1,121.111	-2.00	8.727	1,120.794	-66.67	
-6.472	1,121.102	-64.97	-5.400	1,121.251	2.00	38+90	1,121.143	1,120.940	0.203	8.137	1,120.980	-2.00	9.445	1,120.650	-66.67	
-6.464	1,120.990	-64.94	-5.400	1,121.134	2.00	39+00	1,121.026	1,120.805	0.221	8.837	1,120.849	-2.00	10.121	1,120.536	-66.67	
-6.386	1,120.925	-64.60	-5.400	1,121.017	2.00	39+10	1,120.909	1,120.742	0.167	8.900	1,120.731	-2.00	10.136	1,120.448	-66.67	
-6.319	1,120.853	-64.16	-5.400	1,120.900	2.00	39+20	1,120.792	1,120.679	0.112	8.900	1,120.614	-2.00	10.045	1,120.392	-66.67	
-6.299	1,120.749	-63.99	-5.400	1,120.782	2.00	39+30	1,120.674	1,120.574	0.100	8.900	1,120.496	-2.00	10.006	1,120.301	-66.67	
-6.292	1,120.637	-63.93	-5.400	1,120.665	2.00	39+40	1,120.557	1,120.461	0.096	8.900	1,120.379	-2.00	10.003	1,120.186	-66.67	
-6.256	1,120.543	-63.55	-5.400	1,120.548	2.00	39+50	1,120.440	1,120.368	0.072	8.900	1,120.262	-2.00	9.980	1,120.084	-66.67	
-6.193	1,120.468	-62.53	-5.400	1,120.431	2.00	39+60	1,120.323	1,120.291	0.032	8.900	1,120.145	-2.00	9.920	1,120.007	-66.67	
-6.128	1,120.395	-60.41	-5.400	1,120.314	2.00	39+70	1,120.206	1,120.235	-0.029	8.900	1,120.028	-2.00	9.820	1,119.957	-66.67	
-6.029	1,120.344	-38.96	-5.400	1,120.197	2.00	39+80	1,120.089	1,120.181	-0.092	8.900	1,119.911	-2.00	9.696	1,119.922	-66.67	
-6.022	1,120.231	-29.83	-5.400	1,120.080	2.00	39+90	1,119.972	1,120.091	-0.119	8.900	1,119.794	-2.00	9.624	1,119.853	-66.67	
-6.114	1,120.053	-59.65	-5.400	1,119.963	2.00	40+00	1,119.855	1,119.915	-0.061	8.900	1,119.677	-2.00	9.681	1,119.698	-66.67	
-6.204	1,119.876	-62.74	-5.400	1,119.845	2.00	40+10	1,119.737	1,119.743	-0.006	6.630	1,119.605	-2.00	7.495	1,119.570	-66.67	
-6.228	1,119.742	-63.16	-5.400	1,119.728	2.00	40+20	1,119.620	1,119.611	0.009	5.400	1,119.512	-2.00	6.284	1,119.465	-66.67	
-6.205	1,119.640	-62.77	-5.400	1,119.611	2.00	40+30	1,119.503	1,119.499	0.004	5.400	1,119.395	-2.00	6.268	1,119.358	-66.67	
-6.153	1,119.558	-61.44	-5.400	1,119.494	2.00	40+40	1,119.386	1,119.417	-0.031	5.400	1,119.278	-2.00	6.215	1,119.277	-66.67	
-6.107	1,119.472	-59.17	-5.400	1,119.377	2.00	40+50	1,119.269	1,119.333	-0.064	5.400	1,119.161	-2.00	6.164	1,119.194	-66.67	
-6.076	1,119.375	-56.13	-5.400	1,119.260	2.00	40+60	1,119.152	1,119.237	-0.086	6.233	1,119.027	-2.00	6.968	1,119.079	-66.67	
-6.066	1,119.265	-54.58	-5.400	1,119.143	2.00	40+70	1,119.035	1,119.112	-0.077	8.727	1,118.860	-2.00	9.481	1,118.900	-66.67	
-6.098	1,119.126	-58.48	-5.400	1,119.026	2.00	40+80	1,118.918	1,118.977	-0.060	8.900	1,118.740	-2.00	9.630	1,118.795	-66.67	
-6.134	1,118.985	-60.71	-5.400	1,118.908	2.00	40+90	1,118.800	1,118.858	-0.057	8.900	1,118.622	-2.00	9.630	1,118.678	-66.67	
-6.084	1,118.902	-57.10	-5.400	1,118.791	2.00	41+00	1,118.683	1,118.771	-0.087	8.900	1,118.505	-2.00	9.629	1,118.562	-66.67	
-6.041	1,118.813	-47.06	-5.400	1,118.674	2.00	41+10	1,118.566	1,118.686	-0.120	8.900	1,118.388	-2.00	9.594	1,118.468	-66.67	
-6.019	1,118.742	141.52	-5.400	1,118.557	2.00	41+20	1,118.449	1,118.596	-0.146	8.900	1,118.271	-2.00	9.605	1,118.343	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.030	1,118.636	126.43	-5.400	1,118.440	2.00	41+30	1,118.332	1,118.483	-0.151	8.900	1,118.154	-2.00	9.586	1,118.239	-66.67	
-6.021	1,118.510	138.65	-5.400	1,118.323	2.00	41+40	1,118.215	1,118.365	-0.150	8.900	1,118.037	-2.00	9.585	1,118.122	-66.67	
-6.024	1,118.356	-33.40	-5.400	1,118.206	2.00	41+50	1,118.098	1,118.225	-0.127	8.900	1,117.920	-2.00	9.587	1,118.004	-66.67	
-6.012	1,118.246	-2.49	-5.400	1,118.089	2.00	41+60	1,117.981	1,118.105	-0.124	8.900	1,117.803	-2.00	9.571	1,117.898	-66.67	
-6.051	1,118.104	-50.87	-5.400	1,117.972	2.00	41+70	1,117.864	1,117.969	-0.106	8.900	1,117.686	-2.00	9.578	1,117.775	-66.67	
-6.076	1,117.970	-56.17	-5.400	1,117.854	2.00	41+80	1,117.746	1,117.846	-0.099	8.249	1,117.581	-2.00	8.939	1,117.663	-66.67	
-6.098	1,117.838	-58.48	-5.400	1,117.737	2.00	41+90	1,117.629	1,117.730	-0.101	7.549	1,117.478	-2.00	8.228	1,117.567	-66.67	
-6.090	1,117.726	-57.75	-5.400	1,117.620	2.00	42+00	1,117.512	1,117.604	-0.091	6.849	1,117.375	-2.00	7.536	1,117.459	-66.67	
-6.028	1,117.697	128.12	-5.400	1,117.503	2.00	42+10	1,117.395	1,117.562	-0.167	6.149	1,117.272	-2.00	6.758	1,117.408	-66.67	
-6.050	1,117.602	116.05	-5.400	1,117.386	2.00	42+20	1,117.278	1,117.475	-0.198	5.449	1,117.169	-2.00	6.078	1,117.340	100.00	
-6.070	1,117.505	111.39	-5.400	1,117.269	2.00	42+30	1,117.161	1,117.390	-0.230	5.400	1,117.053	-2.00	6.059	1,117.254	100.00	
-6.006	1,117.323	240.71	-5.400	1,117.152	2.00	42+40	1,117.044	1,117.244	-0.200	5.400	1,116.936	-2.00	6.065	1,117.143	100.00	
-6.105	1,117.131	-59.02	-5.400	1,117.035	2.00	42+50	1,116.927	1,117.046	-0.120	5.400	1,116.819	-2.00	6.051	1,117.012	100.00	
-6.165	1,116.973	-61.83	-5.400	1,116.917	2.00	42+60	1,116.809	1,116.856	-0.047	5.400	1,116.701	-2.00	6.172	1,116.729	-66.67	
-6.180	1,116.847	-62.21	-5.400	1,116.800	2.00	42+70	1,116.692	1,116.711	-0.019	5.400	1,116.584	-2.00	6.209	1,116.587	-66.67	
-6.156	1,116.745	-61.54	-5.400	1,116.683	2.00	42+80	1,116.575	1,116.610	-0.035	5.400	1,116.467	-2.00	6.208	1,116.470	-66.67	
-6.218	1,116.586	-63.00	-5.400	1,116.566	2.00	42+90	1,116.458	1,116.496	-0.038	5.400	1,116.350	-2.00	6.173	1,116.377	-66.67	
-6.286	1,116.424	-63.87	-5.400	1,116.449	2.00	43+00	1,116.341	1,116.330	0.011	5.400	1,116.233	-2.00	6.202	1,116.240	-66.67	
-6.325	1,116.281	-64.21	-5.400	1,116.332	2.00	43+10	1,116.224	1,116.182	0.042	5.400	1,116.116	-2.00	6.266	1,116.081	-66.67	
-6.332	1,116.159	-64.26	-5.400	1,116.215	2.00	43+20	1,116.107	1,116.046	0.060	5.400	1,115.999	-2.00	6.320	1,115.927	-66.67	
-6.390	1,116.004	-64.61	-5.400	1,116.098	2.00	43+30	1,115.990	1,115.892	0.098	5.400	1,115.882	-2.00	6.392	1,115.762	-66.67	
-6.479	1,115.823	-65.00	-5.400	1,115.976	2.00	43+40	1,115.868	1,115.720	0.148	5.400	1,115.760	-2.00	6.424	1,115.620	-66.67	
-6.457	1,115.708	-64.92	-5.400	1,115.847	2.00	43+50	1,115.739	1,115.576	0.163	5.400	1,115.631	-2.00	6.484	1,115.450	-66.67	
-6.419	1,115.596	-64.76	-5.400	1,115.709	2.00	43+60	1,115.601	1,115.473	0.128	5.400	1,115.493	-2.00	6.412	1,115.360	-66.67	
-6.324	1,115.513	-64.20	-5.400	1,115.563	2.00	43+70	1,115.455	1,115.404	0.051	5.400	1,115.347	-2.00	6.295	1,115.292	-66.67	
-6.286	1,115.384	-63.86	-5.400	1,115.409	2.00	43+80	1,115.301	1,115.290	0.011	5.400	1,115.193	-2.00	6.218	1,115.190	-66.67	
-6.169	1,115.300	-61.93	-5.400	1,115.246	2.00	43+90	1,115.138	1,115.142	-0.003	5.400	1,115.030	-2.00	6.182	1,115.051	-66.67	
-6.253	1,115.073	-63.50	-5.400	1,115.075	2.00	44+00	1,114.967	1,114.961	0.006	5.400	1,114.859	-2.00	6.209	1,114.862	-66.67	
-6.295	1,114.866	-63.95	-5.400	1,114.896	2.00	44+10	1,114.788	1,114.760	0.028	5.400	1,114.680	-2.00	6.246	1,114.658	-66.67	
-6.307	1,114.670	-64.06	-5.400	1,114.709	2.00	44+20	1,114.601	1,114.573	0.028	5.400	1,114.493	-2.00	6.254	1,114.465	-66.67	
-6.273	1,114.497	-63.74	-5.400	1,114.513	2.00	44+30	1,114.405	1,114.383	0.022	5.400	1,114.297	-2.00	6.238	1,114.281	-66.67	
-6.225	1,114.330	-63.11	-5.400	1,114.313	2.00	44+40	1,114.205	1,114.225	-0.020	5.400	1,114.097	-2.00	6.189	1,114.113	-66.67	
-6.200	1,114.147	-62.66	-5.400	1,114.114	2.00	44+50	1,114.006	1,114.047	-0.041	5.400	1,113.898	-2.00	6.129	1,113.954	-66.67	
-6.169	1,113.967	-61.94	-5.400	1,113.914	2.00	44+60	1,113.806	1,113.876	-0.070	5.400	1,113.698	-2.00	6.070	1,113.794	-66.67	
-6.123	1,113.798	-60.17	-5.400	1,113.714	2.00	44+70	1,113.606	1,113.710	-0.104	5.400	1,113.498	-2.00	6.028	1,113.622	-66.67	
-6.121	1,113.600	-60.04	-5.400	1,113.514	2.00	44+80	1,113.406	1,113.538	-0.131	5.400	1,113.298	-2.00	6.014	1,113.455	100.00	
-6.098	1,113.416	-58.46	-5.400	1,113.315	2.00	44+90	1,113.207	1,113.335	-0.128	5.400	1,113.099	-2.00	6.037	1,113.278	100.00	
-6.098	1,113.215	-58.53	-5.400	1,113.115	2.00	45+00	1,113.007	1,113.138	-0.132	5.400	1,112.899	-2.00	6.034	1,113.075	100.00	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.100	1,113.015	-58.66	-5.400	1,112.915	2.00	45+10	1,112.807	1,112.911	-0.104	5.400	1,112.699	-2.00	6.026	1,112.867	100.00	
-6.185	1,112.758	-62.35	-5.400	1,112.715	2.00	45+20	1,112.607	1,112.648	-0.041	5.400	1,112.499	-2.00	6.005	1,112.638	-66.67	
-6.330	1,112.461	-64.25	-5.400	1,112.516	2.00	45+30	1,112.408	1,112.386	0.021	5.400	1,112.300	-2.00	6.082	1,112.387	-66.67	
-6.607	1,112.077	-65.35	-5.400	1,112.316	2.00	45+40	1,112.208	1,112.127	0.081	5.400	1,112.100	-2.00	6.164	1,112.133	-66.67	
-6.468	1,111.970	-64.96	-5.400	1,112.116	2.00	45+50	1,112.008	1,111.919	0.089	5.400	1,111.900	-2.00	6.208	1,111.903	-66.67	
-6.397	1,111.818	-64.65	-5.400	1,111.916	2.00	45+60	1,111.808	1,111.768	0.041	5.400	1,111.700	-2.00	6.182	1,111.721	-66.67	
-6.325	1,111.666	-64.21	-5.400	1,111.717	2.00	45+70	1,111.609	1,111.616	-0.008	5.400	1,111.501	-2.00	6.100	1,111.576	-66.67	
-6.254	1,111.514	-63.51	-5.400	1,111.517	2.00	45+80	1,111.409	1,111.465	-0.056	5.400	1,111.301	-2.00	6.027	1,111.425	-66.67	
-6.178	1,111.364	-62.17	-5.400	1,111.317	2.00	45+90	1,111.209	1,111.313	-0.104	5.400	1,111.101	-2.00	6.030	1,111.273	100.00	
-6.085	1,111.226	-57.29	-5.400	1,111.117	2.00	46+00	1,111.009	1,111.162	-0.152	5.400	1,110.901	-2.00	6.078	1,111.121	100.00	
-6.068	1,111.038	-54.97	-5.400	1,110.918	2.00	46+10	1,110.810	1,111.004	-0.194	5.400	1,110.702	-2.00	6.154	1,110.997	100.00	
-6.041	1,110.924	119.73	-5.400	1,110.718	2.00	46+20	1,110.610	1,110.855	-0.246	5.400	1,110.502	-2.00	6.143	1,110.786	100.00	
			-5.400	1,110.518	2.00	46+30	1,110.410	1,110.614	-0.204	5.400	1,110.302	-2.00	6.112	1,110.556	100.00	
-6.064	1,110.442	-54.17	-5.400	1,110.318	2.00	46+40	1,110.210	1,110.384	-0.173	5.400	1,110.102	-2.00	6.087	1,110.331	100.00	
-6.109	1,110.212	-59.34	-5.400	1,110.119	2.00	46+50	1,110.011	1,110.163	-0.153	5.400	1,109.903	-2.00	6.085	1,110.129	100.00	
-6.134	1,109.996	-60.68	-5.400	1,109.919	2.00	46+60	1,109.811	1,109.961	-0.150	5.400	1,109.703	-2.00	6.081	1,109.925	100.00	
-6.137	1,109.793	-60.84	-5.400	1,109.719	2.00	46+70	1,109.611	1,109.759	-0.148	5.400	1,109.503	-2.00	6.071	1,109.716	100.00	
-6.141	1,109.591	-60.99	-5.400	1,109.519	2.00	46+80	1,109.411	1,109.549	-0.138	5.400	1,109.303	-2.00	6.061	1,109.506	100.00	
-6.154	1,109.383	-61.47	-5.400	1,109.319	2.00	46+90	1,109.211	1,109.339	-0.128	5.400	1,109.103	-2.00	6.051	1,109.296	100.00	
-6.169	1,109.173	-61.93	-5.400	1,109.120	2.00	47+00	1,109.012	1,109.129	-0.118	5.400	1,108.904	-2.00	6.041	1,109.087	100.00	
-6.184	1,108.964	-62.31	-5.400	1,108.920	2.00	47+10	1,108.812	1,108.920	-0.108	5.400	1,108.704	-2.00	6.031	1,108.877	100.00	
-6.198	1,108.754	-62.64	-5.400	1,108.720	2.00	47+20	1,108.612	1,108.710	-0.098	5.400	1,108.504	-2.00	6.021	1,108.667	100.00	
-6.213	1,108.544	-62.92	-5.400	1,108.520	2.00	47+30	1,108.412	1,108.500	-0.088	5.400	1,108.304	-2.00	6.011	1,108.457	100.00	
-6.228	1,108.335	-63.16	-5.400	1,108.321	2.00	47+40	1,108.213	1,108.290	-0.078	5.400	1,108.105	-2.00				
-6.243	1,108.125	-63.37	-5.400	1,108.121	2.00	47+50	1,108.013	1,108.081	-0.068	5.400	1,107.905	-2.00	6.013	1,108.038	-66.67	
-6.258	1,107.915	-63.56	-5.400	1,107.921	2.00	47+60	1,107.813	1,107.871	-0.058	5.400	1,107.705	-2.00	6.029	1,107.828	-66.67	
-6.273	1,107.706	-63.73	-5.400	1,107.721	2.00	47+70	1,107.613	1,107.661	-0.048	5.400	1,107.505	-2.00	6.044	1,107.618	-66.67	
-6.288	1,107.496	-63.88	-5.400	1,107.522	2.00	47+80	1,107.414	1,107.451	-0.038	5.400	1,107.306	-2.00	6.059	1,107.408	-66.67	
-6.302	1,107.286	-64.02	-5.400	1,107.322	2.00	47+90	1,107.214	1,107.242	-0.028	5.400	1,107.106	-2.00	6.074	1,107.198	-66.67	
-6.317	1,107.077	-64.14	-5.400	1,107.122	2.00	48+00	1,107.014	1,107.032	-0.018	5.400	1,106.906	-2.00	6.089	1,106.989	-66.67	
-6.391	1,106.827	-64.62	-5.400	1,106.922	2.00	48+10	1,106.814	1,106.822	-0.008	5.400	1,106.706	-2.00	6.104	1,106.779	-66.67	
-6.543	1,106.527	-65.19	-5.400	1,106.723	2.00	48+20	1,106.615	1,106.524	0.090	5.400	1,106.507	-2.00	6.190	1,106.522	-66.67	
-6.651	1,106.255	-65.44	-5.400	1,106.523	2.00	48+30	1,106.415	1,106.224	0.191	5.400	1,106.307	-2.00	6.341	1,106.222	-66.67	
-6.477	1,106.171	-64.99	-5.400	1,106.323	2.00	48+40	1,106.215	1,106.113	0.103	5.400	1,106.107	-2.00	6.321	1,106.035	-66.67	
-6.446	1,105.992	-64.87	-5.400	1,106.123	2.00	48+50	1,106.015	1,105.949	0.066	5.400	1,105.907	-2.00	6.228	1,105.897	-66.67	
-6.440	1,105.796	-64.85	-5.400	1,105.924	2.00	48+60	1,105.816	1,105.756	0.059	5.400	1,105.708	-2.00	6.197	1,105.718	-66.67	
-6.435	1,105.599	-64.84	-5.398	1,105.724	2.00	48+70	1,105.616	1,105.561	0.055	5.400	1,105.508	-2.00	6.189	1,105.524	-66.67	
-6.575	1,105.388	-64.79	-5.388	1,105.605	3.51	48+80	1,105.416	1,105.361	0.055	5.400	1,105.227	-3.51	6.034	1,105.337	-75.63	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.612	1,105.188	-64.77	-5.379	1,105.431	4.00	48+90	1,105.216	1,105.169	0.047	5.400	1,105.000	-4.00	6.019	1,105.149	79.08	
-6.624	1,104.975	-64.82	-5.373	1,105.231	4.00	49+00	1,105.017	1,104.974	0.043	5.400	1,104.801	-4.00	6.040	1,104.971	90.01	
-6.652	1,104.754	-64.91	-5.368	1,105.031	4.00	49+10	1,104.817	1,104.773	0.044	5.400	1,104.601	-4.00	6.052	1,104.783	92.35	
-6.699	1,104.525	-65.03	-5.366	1,104.836	4.00	49+20	1,104.621	1,104.575	0.047	5.400	1,104.405	-4.00	6.061	1,104.596	93.40	
-6.749	1,104.304	-65.13	-5.365	1,104.648	4.00	49+30	1,104.434	1,104.370	0.064	5.400	1,104.218	-4.00	6.064	1,104.412	93.73	
-6.742	1,104.131	-65.12	-5.367	1,104.470	4.00	49+40	1,104.255	1,104.172	0.082	5.400	1,104.039	-4.00	6.063	1,104.232	93.69	
-6.728	1,103.972	-65.08	-5.371	1,104.299	4.00	49+50	1,104.084	1,104.009	0.075	5.400	1,103.868	-4.00	6.061	1,104.059	93.45	
-6.699	1,103.833	-65.01	-5.377	1,104.137	4.00	49+60	1,103.922	1,103.910	0.012	5.400	1,103.706	-4.00	6.142	1,103.978	97.19	
-6.636	1,103.727	-64.83	-5.385	1,103.983	4.00	49+70	1,103.768	1,103.818	-0.050	5.400	1,103.552	-4.00	6.221	1,103.903	98.19	
-6.396	1,103.654	-64.47	-5.394	1,103.753	2.42	49+80	1,103.622	1,103.739	-0.117	5.400	1,103.492	-2.42	6.205	1,103.836	99.59	
-6.242	1,103.598	-63.35	-5.400	1,103.593	2.00	49+90	1,103.485	1,103.700	-0.215	5.400	1,103.377	-2.00	6.261	1,103.779	100.00	
-6.262	1,103.455	-63.61	-5.400	1,103.464	2.00	50+00	1,103.356	1,103.526	-0.170	5.400	1,103.248	-2.00	6.280	1,103.670	100.00	
-6.297	1,103.311	-63.97	-5.400	1,103.343	2.00	50+10	1,103.235	1,103.409	-0.174	5.400	1,103.127	-2.00	6.228	1,103.497	100.00	
-6.407	1,103.121	-64.70	-5.400	1,103.226	2.00	50+20	1,103.118	1,103.212	-0.093	5.400	1,103.010	-2.00	6.132	1,103.284	100.00	
-6.383	1,103.021	-64.58	-5.400	1,103.110	2.00	50+30	1,103.002	1,103.052	-0.050	5.400	1,102.894	-2.00	6.012	1,103.048	100.00	
-6.231	1,103.005	-63.21	-5.400	1,102.993	2.00	50+40	1,102.885	1,103.012	-0.127	5.400	1,102.777	-2.00	6.085	1,103.004	100.00	
-6.251	1,102.876	-63.47	-5.400	1,102.877	2.00	50+50	1,102.769	1,102.934	-0.165	5.400	1,102.661	-2.00	6.174	1,102.977	100.00	
-6.310	1,102.719	-64.09	-5.400	1,102.760	2.00	50+60	1,102.652	1,102.770	-0.118	5.400	1,102.544	-2.00	6.135	1,102.821	100.00	
-6.381	1,102.555	-64.57	-5.400	1,102.643	2.00	50+70	1,102.535	1,102.617	-0.082	5.400	1,102.427	-2.00	6.117	1,102.687	100.00	
-6.425	1,102.410	-64.78	-5.400	1,102.527	2.00	50+80	1,102.419	1,102.482	-0.064	5.400	1,102.311	-2.00	6.097	1,102.550	100.00	
-6.457	1,102.272	-64.92	-5.400	1,102.410	2.00	50+90	1,102.302	1,102.343	-0.041	5.400	1,102.194	-2.00	6.085	1,102.421	100.00	
-6.483	1,102.138	-65.01	-5.400	1,102.294	2.00	51+00	1,102.186	1,102.222	-0.037	5.400	1,102.078	-2.00	6.081	1,102.300	100.00	
-6.471	1,102.029	-64.97	-5.400	1,102.177	2.00	51+10	1,102.069	1,102.134	-0.065	5.400	1,101.961	-2.00	6.131	1,102.234	100.00	
-6.316	1,101.980	-64.51	-5.400	1,102.029	1.41	51+20	1,101.952	1,102.058	-0.105	5.400	1,101.876	-1.41	6.114	1,102.136	101.03	
-6.014	1,101.963	-42.95	-5.400	1,101.821	-0.28	51+30	1,101.836	1,102.013	-0.177	5.400	1,101.851	0.28	6.024	1,102.030	119.36	
-6.125	1,101.879	100.04	-5.400	1,101.613	-1.97	51+40	1,101.719	1,102.003	-0.284	5.400	1,101.826	1.97	6.024	1,102.016	132.97	
-6.146	1,101.771	99.73	-5.400	1,101.484	-2.20	51+50	1,101.603	1,101.921	-0.318	5.400	1,101.721	2.20	6.115	1,102.004	107.29	
-6.134	1,101.642	99.70	-5.400	1,101.367	-2.20	51+60	1,101.486	1,101.795	-0.309	5.400	1,101.605	2.20	6.105	1,101.877	108.02	
-6.128	1,101.520	99.69	-5.400	1,101.251	-2.20	51+70	1,101.369	1,101.618	-0.249	5.400	1,101.488	2.20	6.017	1,101.672	149.49	
-6.077	1,101.352	99.48	-5.400	1,101.134	-2.20	51+80	1,101.253	1,101.421	-0.168	5.400	1,101.372	2.20	6.106	1,101.468	-58.72	
			-5.400	1,101.017	-2.20	51+90	1,101.136	1,101.222	-0.086	5.400	1,101.255	2.20	6.238	1,101.264	-63.13	
-6.037	1,101.017	-67.75	-5.400	1,100.901	-2.20	52+00	1,101.020	1,101.042	-0.022	5.400	1,101.138	2.20	6.370	1,101.059	-64.40	
-6.041	1,100.966	99.03	-5.400	1,100.784	-2.20	52+10	1,100.903	1,101.010	-0.107	5.400	1,101.022	2.20	6.256	1,101.019	-63.38	
-6.024	1,100.833	98.33	-5.400	1,100.668	-2.20	52+20	1,100.786	1,100.938	-0.152	5.400	1,100.905	2.20	6.141	1,100.979	-60.69	
			-5.400	1,100.551	-2.20	52+30	1,100.670	1,100.757	-0.088	5.400	1,100.789	2.20	6.197	1,100.825	-62.40	
-6.097	1,100.511	-67.08	-5.400	1,100.434	-2.20	52+40	1,100.553	1,100.575	-0.022	5.400	1,100.672	2.20	6.273	1,100.658	-63.59	
-6.171	1,100.345	-66.90	-5.400	1,100.318	-2.20	52+50	1,100.437	1,100.430	0.007	5.400	1,100.555	2.20	6.307	1,100.518	-63.93	
-6.180	1,100.223	-66.87	-5.400	1,100.202	-2.18	52+60	1,100.320	1,100.321	-0.001	5.400	1,100.438	2.18	6.257	1,100.434	-63.41	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.422	1,100.047	-65.95	-5.400	1,100.177	-0.49	52+70	1,100.204	1,100.119	0.084	5.402	1,100.230	0.49	6.299	1,100.188	-65.00	
-6.440	1,100.020	-65.21	-5.400	1,100.152	1.20	52+80	1,100.087	1,100.046	0.041	5.408	1,100.022	-1.20	6.206	1,100.037	-65.86	
-6.429	1,099.958	-64.80	-5.400	1,100.078	2.00	52+90	1,099.970	1,100.019	-0.049	5.415	1,099.862	-2.00				
-6.447	1,099.830	-64.88	-5.400	1,099.962	2.00	53+00	1,099.854	1,099.907	-0.053	5.422	1,099.746	-2.00	6.123	1,099.989	100.00	
-6.512	1,099.674	-65.10	-5.400	1,099.849	2.00	53+10	1,099.741	1,099.776	-0.034	5.429	1,099.633	-2.00	6.101	1,099.847	100.00	
-6.523	1,099.558	-65.14	-5.400	1,099.740	2.00	53+20	1,099.632	1,099.634	-0.002	5.436	1,099.524	-2.00	6.075	1,099.705	100.00	
-6.579	1,099.415	-65.28	-5.400	1,099.635	2.00	53+30	1,099.527	1,099.507	0.020	5.442	1,099.418	-2.00	6.077	1,099.595	100.00	
-6.586	1,099.309	-65.30	-5.400	1,099.534	2.00	53+40	1,099.426	1,099.409	0.017	5.449	1,099.317	-2.00	6.095	1,099.504	100.00	
-6.540	1,099.242	-65.19	-5.400	1,099.436	2.00	53+50	1,099.328	1,099.358	-0.030	5.456	1,099.219	-2.00	6.163	1,099.467	100.00	
-6.499	1,099.175	-65.06	-5.400	1,099.342	2.00	53+60	1,099.234	1,099.295	-0.062	5.463	1,099.125	-2.00	6.212	1,099.415	100.00	
-6.487	1,099.093	-65.02	-5.400	1,099.252	2.00	53+70	1,099.144	1,099.190	-0.046	5.470	1,099.034	-2.00	6.172	1,099.279	100.00	
-6.490	1,099.004	-65.04	-5.400	1,099.165	2.00	53+80	1,099.057	1,099.032	0.025	5.477	1,098.948	-2.00	6.142	1,099.046	-66.67	
-6.430	1,098.962	-64.81	-5.400	1,099.083	2.00	53+90	1,098.975	1,099.013	-0.038	5.483	1,098.865	-2.00	6.095	1,099.019	100.00	
-6.423	1,098.887	-64.78	-5.400	1,099.003	2.00	54+00	1,098.895	1,099.001	-0.106	5.490	1,098.786	-2.00	6.164	1,099.001	100.00	
-6.482	1,098.769	-65.01	-5.400	1,098.925	2.00	54+10	1,098.817	1,098.843	-0.027	5.497	1,098.707	-2.00	6.163	1,098.914	100.00	
-6.641	1,098.585	-65.42	-5.400	1,098.846	2.00	54+20	1,098.738	1,098.661	0.077	5.504	1,098.628	-2.00	6.141	1,098.745	-66.67	
-6.775	1,098.416	-65.63	-5.400	1,098.767	2.00	54+30	1,098.659	1,098.517	0.142	5.511	1,098.549	-2.00	6.233	1,098.609	-66.67	
-6.772	1,098.340	-65.63	-5.400	1,098.688	2.00	54+40	1,098.580	1,098.463	0.117	5.517	1,098.470	-2.00	6.172	1,098.575	-66.67	
-6.724	1,098.292	-65.56	-5.400	1,098.609	2.00	54+50	1,098.501	1,098.415	0.086	5.524	1,098.391	-2.00	6.132	1,098.527	-66.67	
-6.700	1,098.229	-65.52	-5.400	1,098.530	2.00	54+60	1,098.422	1,098.356	0.067	5.531	1,098.312	-2.00	6.149	1,098.472	100.00	
-6.685	1,098.161	-65.50	-5.400	1,098.451	2.00	54+70	1,098.343	1,098.296	0.048	5.538	1,098.233	-2.00	6.183	1,098.420	100.00	
-6.651	1,098.105	-65.44	-5.400	1,098.373	2.00	54+80	1,098.265	1,098.253	0.012	5.545	1,098.154	-2.00	6.240	1,098.391	100.00	
-6.582	1,098.072	-65.29	-5.400	1,098.294	2.00	54+90	1,098.186	1,098.218	-0.033	5.551	1,098.075	-2.00	6.293	1,098.359	100.00	
-6.512	1,098.039	-65.11	-5.400	1,098.215	2.00	55+00	1,098.107	1,098.184	-0.077	5.558	1,097.996	-2.00	6.346	1,098.326	100.00	
-6.420	1,098.022	-64.76	-5.400	1,098.136	2.00	55+10	1,098.028	1,098.168	-0.140	5.565	1,097.917	-2.00	6.420	1,098.314	100.00	
-6.331	1,098.002	-64.25	-5.400	1,098.057	2.00	55+20	1,097.949	1,098.122	-0.173	5.572	1,097.838	-2.00	6.451	1,098.259	100.00	
-6.277	1,097.960	-63.78	-5.400	1,097.978	2.00	55+30	1,097.870	1,098.030	-0.160	5.579	1,097.759	-2.00	6.342	1,098.064	100.00	
-6.300	1,097.869	-64.00	-5.400	1,097.903	2.00	55+40	1,097.795	1,098.011	-0.215	5.586	1,097.684	-2.00	6.386	1,098.026	100.00	
-6.361	1,097.761	-64.45	-5.400	1,097.836	2.00	55+50	1,097.728	1,097.933	-0.205	5.592	1,097.616	-2.00	6.443	1,098.009	100.00	
-6.495	1,097.612	-65.05	-5.400	1,097.777	2.00	55+60	1,097.669	1,097.776	-0.107	5.599	1,097.557	-2.00	6.397	1,097.896	100.00	
-6.526	1,097.540	-65.15	-5.400	1,097.725	2.00	55+70	1,097.617	1,097.654	-0.037	5.606	1,097.505	-2.00	6.324	1,097.764	100.00	
-6.609	1,097.440	-65.35	-5.400	1,097.681	2.00	55+80	1,097.573	1,097.564	0.008	5.613	1,097.460	-2.00	6.293	1,097.682	100.00	
-6.548	1,097.445	-65.21	-5.400	1,097.644	2.00	55+90	1,097.536	1,097.560	-0.024	5.620	1,097.424	-2.00	6.325	1,097.671	100.00	
-6.510	1,097.441	-65.10	-5.400	1,097.615	2.00	56+00	1,097.507	1,097.555	-0.048	5.626	1,097.395	-2.00	6.356	1,097.666	100.00	
-6.497	1,097.429	-65.06	-5.400	1,097.594	2.00	56+10	1,097.486	1,097.545	-0.059	5.633	1,097.374	-2.00	6.377	1,097.660	100.00	
-6.462	1,097.439	-64.94	-5.400	1,097.581	2.00	56+20	1,097.473	1,097.552	-0.079	5.640	1,097.360	-2.00	6.402	1,097.664	100.00	
-6.454	1,097.439	-64.91	-5.400	1,097.575	2.00	56+30	1,097.467	1,097.553	-0.086	5.647	1,097.354	-2.00	6.417	1,097.667	100.00	
-6.435	1,097.449	-64.83	-5.400	1,097.574	2.00	56+40	1,097.466	1,097.564	-0.098	5.654	1,097.352	-2.00	6.437	1,097.678	100.00	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.410	1,097.464	-64.72	-5.400	1,097.572	2.00	56+50	1,097.464	1,097.574	-0.110	5.661	1,097.351	-2.00	6.452	1,097.684	100.00	
-6.454	1,097.433	-64.91	-5.400	1,097.570	2.00	56+60	1,097.462	1,097.541	-0.079	5.667	1,097.349	-2.00	6.423	1,097.646	100.00	
-6.540	1,097.374	-65.19	-5.400	1,097.568	2.00	56+70	1,097.460	1,097.491	-0.030	5.674	1,097.347	-2.00	6.387	1,097.602	100.00	
-6.621	1,097.319	-65.38	-5.400	1,097.566	2.00	56+80	1,097.458	1,097.452	0.006	5.681	1,097.345	-2.00	6.374	1,097.580	100.00	
-6.635	1,097.307	-65.41	-5.400	1,097.565	2.00	56+90	1,097.457	1,097.440	0.017	5.688	1,097.343	-2.00	6.368	1,097.565	100.00	
-6.687	1,097.271	-65.50	-5.400	1,097.563	2.00	57+00	1,097.455	1,097.409	0.046	5.689	1,097.341	-2.00	6.346	1,097.540	100.00	
-6.717	1,097.249	-65.55	-5.400	1,097.561	2.00	57+10	1,097.453	1,097.392	0.062	5.689	1,097.339	-2.00	6.337	1,097.530	100.00	
-6.750	1,097.225	-65.60	-5.400	1,097.559	2.00	57+20	1,097.451	1,097.378	0.073	5.688	1,097.338	-2.00	6.331	1,097.522	100.00	
-6.718	1,097.245	-65.55	-5.400	1,097.558	2.00	57+30	1,097.450	1,097.397	0.052	5.688	1,097.336	-2.00	6.353	1,097.542	100.00	
-6.635	1,097.299	-65.41	-5.400	1,097.556	2.00	57+40	1,097.448	1,097.447	0.001	5.688	1,097.334	-2.00	6.402	1,097.590	100.00	
-6.642	1,097.292	-65.42	-5.400	1,097.554	2.00	57+50	1,097.446	1,097.437	0.009	5.687	1,097.332	-2.00	6.392	1,097.579	100.00	
-6.668	1,097.273	-65.47	-5.400	1,097.552	2.00	57+60	1,097.444	1,097.423	0.022	5.687	1,097.331	-2.00	6.380	1,097.566	100.00	
-6.669	1,097.270	-65.47	-5.400	1,097.550	2.00	57+70	1,097.442	1,097.424	0.018	5.687	1,097.329	-2.00	6.387	1,097.571	100.00	
-6.658	1,097.276	-65.45	-5.400	1,097.549	2.00	57+80	1,097.441	1,097.426	0.014	5.686	1,097.327	-2.00	6.388	1,097.570	100.00	
-6.642	1,097.285	-65.42	-5.400	1,097.547	2.00	57+90	1,097.439	1,097.434	0.005	5.686	1,097.325	-2.00	6.397	1,097.578	100.00	
-6.634	1,097.288	-65.41	-5.400	1,097.545	2.00	58+00	1,097.437	1,097.435	0.002	5.686	1,097.323	-2.00	6.398	1,097.578	100.00	
-6.628	1,097.291	-65.39	-5.400	1,097.543	2.00	58+10	1,097.435	1,097.434	0.001	5.685	1,097.322	-2.00	6.394	1,097.572	100.00	
-6.639	1,097.282	-65.41	-5.400	1,097.542	2.00	58+20	1,097.434	1,097.425	0.009	5.685	1,097.320	-2.00	6.386	1,097.562	100.00	
-6.610	1,097.299	-65.36	-5.400	1,097.540	2.00	58+30	1,097.432	1,097.442	-0.010	5.685	1,097.318	-2.00	6.405	1,097.581	100.00	
-6.616	1,097.294	-65.37	-5.400	1,097.538	2.00	58+40	1,097.430	1,097.441	-0.011	5.685	1,097.316	-2.00	6.411	1,097.585	100.00	
-6.597	1,097.304	-65.33	-5.400	1,097.536	2.00	58+50	1,097.428	1,097.454	-0.026	5.684	1,097.315	-2.00	6.428	1,097.601	100.00	
-6.616	1,097.290	-65.37	-5.400	1,097.534	2.00	58+60	1,097.426	1,097.454	-0.027	5.684	1,097.313	-2.00	6.442	1,097.613	100.00	
-6.608	1,097.293	-65.35	-5.400	1,097.533	2.00	58+70	1,097.425	1,097.452	-0.028	5.684	1,097.311	-2.00	6.436	1,097.606	100.00	
-6.555	1,097.327	-65.22	-5.400	1,097.531	2.00	58+80	1,097.423	1,097.479	-0.056	5.683	1,097.309	-2.00	6.460	1,097.628	100.00	
-6.516	1,097.351	-65.12	-5.400	1,097.529	2.00	58+90	1,097.421	1,097.495	-0.074	5.683	1,097.308	-2.00	6.472	1,097.638	100.00	
-6.490	1,097.367	-65.03	-5.400	1,097.527	2.00	59+00	1,097.419	1,097.497	-0.077	5.683	1,097.306	-2.00	6.464	1,097.629	100.00	
-6.454	1,097.389	-64.90	-5.400	1,097.526	2.00	59+10	1,097.418	1,097.529	-0.111	5.682	1,097.304	-2.00	6.506	1,097.669	100.00	
-6.467	1,097.379	-64.95	-5.400	1,097.524	2.00	59+20	1,097.416	1,097.530	-0.114	5.682	1,097.302	-2.00	6.521	1,097.683	100.00	
-6.499	1,097.355	-65.06	-5.400	1,097.522	2.00	59+30	1,097.414	1,097.508	-0.093	5.682	1,097.300	-2.00	6.498	1,097.659	100.00	
-6.525	1,097.336	-65.14	-5.400	1,097.520	2.00	59+40	1,097.412	1,097.485	-0.073	5.681	1,097.299	-2.00	6.473	1,097.633	100.00	
-6.584	1,097.295	-65.30	-5.400	1,097.519	2.00	59+50	1,097.411	1,097.442	-0.032	5.681	1,097.297	-2.00	6.428	1,097.585	100.00	
-6.679	1,097.230	-65.49	-5.400	1,097.517	2.00	59+60	1,097.409	1,097.376	0.033	5.681	1,097.295	-2.00	6.365	1,097.521	100.00	
-6.698	1,097.216	-65.52	-5.400	1,097.515	2.00	59+70	1,097.407	1,097.369	0.038	5.681	1,097.293	-2.00	6.360	1,097.515	100.00	
-6.662	1,097.238	-65.46	-5.400	1,097.513	2.00	59+80	1,097.405	1,097.394	0.011	5.680	1,097.292	-2.00	6.389	1,097.542	100.00	
-6.727	1,097.193	-65.57	-5.400	1,097.511	2.00	59+90	1,097.403	1,097.348	0.056	5.680	1,097.290	-2.00	6.343	1,097.495	100.00	
-6.775	1,097.159	-65.63	-5.400	1,097.510	2.00	60+00	1,097.402	1,097.332	0.070	5.680	1,097.288	-2.00	6.344	1,097.494	100.00	
-6.793	1,097.145	-65.66	-5.400	1,097.508	2.00	60+10	1,097.400	1,097.329	0.071	5.679	1,097.286	-2.00	6.346	1,097.495	100.00	
-6.800	1,097.139	-65.67	-5.400	1,097.506	2.00	60+20	1,097.398	1,097.326	0.072	5.679	1,097.285	-2.00	6.353	1,097.500	100.00	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.726	1,097.186	-65.57	-5.400	1,097.504	2.00	60+30	1,097.396	1,097.372	0.025	5.679	1,097.283	-2.00	6.402	1,097.548	100.00	
-6.680	1,097.215	-65.49	-5.400	1,097.503	2.00	60+40	1,097.395	1,097.405	-0.011	5.678	1,097.281	-2.00	6.443	1,097.588	100.00	
-6.744	1,097.171	-65.59	-5.400	1,097.501	2.00	60+50	1,097.393	1,097.394	-0.002	5.678	1,097.279	-2.00	6.466	1,097.609	100.00	
-6.676	1,097.214	-65.48	-5.400	1,097.499	2.00	60+60	1,097.391	1,097.436	-0.045	5.678	1,097.277	-2.00	6.510	1,097.651	100.00	
-6.635	1,097.240	-65.41	-5.400	1,097.497	2.00	60+70	1,097.389	1,097.449	-0.060	5.677	1,097.276	-2.00	6.515	1,097.655	100.00	
-6.703	1,097.193	-65.53	-5.400	1,097.495	2.00	60+80	1,097.387	1,097.448	-0.060	5.677	1,097.274	-2.00	6.558	1,097.697	100.00	
-6.865	1,097.083	-65.74	-5.400	1,097.494	2.00	60+90	1,097.386	1,097.339	0.047	5.677	1,097.272	-2.00	6.442	1,097.580	100.00	
-6.802	1,097.123	-65.67	-5.400	1,097.492	2.00	61+00	1,097.384	1,097.351	0.033	5.677	1,097.270	-2.00	6.431	1,097.567	100.00	
-6.924	1,097.040	-65.80	-5.400	1,097.490	2.00	61+10	1,097.382	1,097.182	0.200	5.676	1,097.269	-2.00	6.334	1,097.372	-66.67	
-6.983	1,096.999	-65.85	-5.400	1,097.488	2.00	61+20	1,097.380	1,097.000	0.381	5.676	1,097.267	-2.00	6.543	1,097.231	-66.67	
-6.875	1,097.070	-65.75	-5.400	1,097.487	2.00	61+30	1,097.379	1,097.237	0.142	5.676	1,097.265	-2.00	6.418	1,097.312	-66.67	
-6.619	1,097.238	-65.38	-5.400	1,097.485	2.00	61+40	1,097.377	1,097.457	-0.080	5.675	1,097.263	-2.00	6.518	1,097.648	100.00	
-6.418	1,097.370	-64.75	-5.400	1,097.483	2.00	61+50	1,097.375	1,097.570	-0.195	5.675	1,097.261	-2.00	6.647	1,097.776	100.00	
-6.700	1,097.215	-65.43	-5.451	1,097.482	2.00	61+60	1,097.373	1,097.669	-0.296	5.585	1,097.262	-2.00	6.861	1,098.080	100.00	
-6.755	1,097.174	-65.54	-5.446	1,097.480	2.00	61+70	1,097.371	1,097.641	-0.270	5.541	1,097.261	-2.00	6.806	1,098.068	100.00	
-6.769	1,097.127	-65.63	-5.394	1,097.478	2.00	61+80	1,097.370	1,097.475	-0.105	5.544	1,097.259	-2.00	6.556	1,097.812	100.00	
-6.364	1,097.360	-64.77	-5.342	1,097.475	2.00	61+90	1,097.368	1,097.492	-0.124	5.548	1,097.257	-2.00	6.497	1,097.747	100.00	
-5.929	1,097.676	120.98	-5.290	1,097.472	2.00	62+00	1,097.366	1,097.770	-0.403	5.552	1,097.255	-2.00	6.668	1,097.913	100.00	
-6.245	1,098.003	102.18	-5.278	1,097.470	2.00	62+10	1,097.364	1,098.075	-0.710	5.556	1,097.253	-2.00	7.156	1,098.395	100.00	
-6.415	1,098.115	101.67	-5.335	1,097.469	2.00	62+20	1,097.363	1,098.420	-1.057	5.589	1,097.251	-2.00	7.613	1,098.817	100.00	
-6.349	1,097.991	102.25	-5.393	1,097.469	2.00	62+30	1,097.361	1,098.201	-0.841	1.998	1,097.321	-2.00	3.452	1,098.317	100.00	
-6.045	1,097.615	-46.18	-5.406	1,097.475	2.00	62+40	1,097.367	1,097.805	-0.438	2.199	1,097.323	-2.00	3.234	1,097.900	100.00	
-6.474	1,097.349	-64.97	-5.402	1,097.498	2.00	62+50	1,097.390	1,097.595	-0.205	5.398	1,097.282	-2.00	6.413	1,097.838	100.00	
-6.721	1,097.221	-65.56	-5.400	1,097.536	2.00	62+60	1,097.428	1,097.507	-0.078	5.400	1,097.320	-2.00	6.312	1,097.774	100.00	
-7.085	1,097.034	-65.93	-5.400	1,097.591	2.00	62+70	1,097.483	1,097.396	0.087	5.400	1,097.375	-2.00	6.194	1,097.711	100.00	
-7.256	1,096.991	-66.03	-5.400	1,097.662	2.00	62+80	1,097.554	1,097.359	0.195	5.400	1,097.446	-2.00	6.130	1,097.718	100.00	
-7.027	1,097.231	-65.89	-5.400	1,097.749	2.00	62+90	1,097.641	1,097.529	0.113	5.400	1,097.533	-2.00	6.155	1,097.831	100.00	
-6.962	1,097.378	-65.84	-5.400	1,097.853	2.00	63+00	1,097.745	1,097.641	0.104	5.400	1,097.637	-2.00	6.166	1,097.945	100.00	
-7.102	1,097.467	-65.75	-5.400	1,098.029	3.05	63+10	1,097.865	1,097.724	0.140	5.400	1,097.700	-3.05	6.108	1,097.944	98.06	
-7.336	1,097.467	-65.86	-5.400	1,098.184	3.40	63+20	1,098.000	1,097.747	0.254	5.400	1,097.817	-3.40	6.016	1,097.967	83.09	
-7.319	1,097.631	-65.85	-5.400	1,098.336	3.40	63+30	1,098.152	1,097.915	0.237	5.400	1,097.969	-3.40	6.028	1,098.131	90.14	
-7.329	1,097.784	-65.85	-5.400	1,098.496	3.40	63+40	1,098.312	1,098.111	0.201	5.399	1,098.129	-3.40	6.040	1,098.303	93.17	
-7.252	1,097.996	-65.80	-5.400	1,098.656	3.40	63+50	1,098.473	1,098.243	0.230	5.399	1,098.289	-3.40	6.023	1,098.446	88.19	
-7.465	1,098.014	-65.93	-5.400	1,098.816	3.40	63+60	1,098.633	1,098.286	0.346	5.399	1,098.449	-3.40	6.107	1,098.511	-69.26	
-7.467	1,098.173	-65.93	-5.400	1,098.976	3.40	63+70	1,098.793	1,098.441	0.352	5.398	1,098.609	-3.40	6.147	1,098.644	-68.55	
-7.353	1,098.409	-65.87	-5.400	1,099.136	3.40	63+80	1,098.953	1,098.637	0.316	5.398	1,098.769	-3.40	6.081	1,098.847	-70.02	
-7.245	1,098.641	-65.80	-5.400	1,099.297	3.40	63+90	1,099.113	1,098.862	0.251	5.397	1,098.929	-3.40	6.057	1,099.023	-71.37	
-7.394	1,098.702	-65.89	-5.400	1,099.457	3.40	64+00	1,099.273	1,098.903	0.370	5.396	1,099.090	-3.40	6.205	1,099.084	-68.01	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-7.435	1,098.834	-65.91	-5.400	1,099.617	3.40	64+10	1,099.433	1,099.043	0.390	5.396	1,099.250	-3.40	6.225	1,099.230	-67.89	
-7.272	1,099.103	-65.82	-5.400	1,099.777	3.40	64+20	1,099.593	1,099.244	0.350	5.395	1,099.410	-3.40	6.169	1,099.427	-68.27	
-7.112	1,099.370	-65.70	-5.400	1,099.937	3.40	64+30	1,099.753	1,099.517	0.236	5.394	1,099.570	-3.40	6.088	1,099.641	-69.66	
-6.990	1,099.611	-65.58	-5.400	1,100.097	3.40	64+40	1,099.913	1,099.796	0.117	5.393	1,099.730	-3.40	6.027	1,099.898	91.80	
-6.829	1,099.879	-65.36	-5.400	1,100.257	3.40	64+50	1,100.073	1,100.032	0.041	5.392	1,099.890	-3.40	6.098	1,100.130	97.36	
-6.713	1,100.116	-65.15	-5.400	1,100.417	3.40	64+60	1,100.234	1,100.305	-0.071	5.391	1,100.050	-3.40	6.138	1,100.330	98.09	
-6.547	1,100.389	-64.69	-5.400	1,100.579	3.40	64+70	1,100.395	1,100.575	-0.180	5.390	1,100.212	-3.40	6.260	1,100.615	98.96	
-6.525	1,100.574	-64.61	-5.400	1,100.749	3.40	64+80	1,100.566	1,100.844	-0.279	5.389	1,100.382	-3.40	6.391	1,100.919	99.30	
-6.351	1,100.871	-63.59	-5.400	1,100.931	3.40	64+90	1,100.747	1,101.014	-0.267	5.388	1,100.564	-3.40	6.313	1,101.023	99.14	
-6.669	1,100.851	-65.05	-5.400	1,101.123	3.40	65+00	1,100.939	1,101.019	-0.080	5.386	1,100.756	-3.40	6.155	1,101.058	98.34	
-7.026	1,100.816	-65.61	-5.400	1,101.325	3.40	65+10	1,101.142	1,101.052	0.090	5.385	1,100.959	-3.40	6.077	1,101.185	96.97	
-7.036	1,101.022	-65.62	-5.400	1,101.539	3.40	65+20	1,101.355	1,101.255	0.100	5.384	1,101.172	-3.40	6.043	1,101.365	95.28	
-7.144	1,101.174	-65.72	-5.400	1,101.762	3.40	65+30	1,101.579	1,101.426	0.152	5.382	1,101.396	-3.40	6.080	1,101.628	97.15	
-7.526	1,101.113	-66.05	-5.400	1,101.960	2.71	65+40	1,101.813	1,101.479	0.334	5.381	1,101.667	-2.71	6.066	1,101.748	-68.33	
-7.736	1,101.171	-66.21	-5.393	1,102.166	2.00	65+50	1,102.059	1,101.610	0.448	5.386	1,101.951	-2.00	6.198	1,101.952	-66.67	
-7.895	1,101.305	-66.18	-5.301	1,102.464	2.82	65+60	1,102.314	1,101.750	0.564	5.486	1,102.160	-2.82	6.380	1,102.101	-67.22	
-8.002	1,101.495	-66.17	-5.246	1,102.758	3.40	65+70	1,102.579	1,101.971	0.609	5.545	1,102.391	-3.40	6.393	1,102.360	-67.80	
-8.020	1,101.740	-66.17	-5.233	1,103.024	3.40	65+80	1,102.846	1,102.236	0.610	5.562	1,102.657	-3.40	6.408	1,102.626	-67.80	
-8.119	1,101.960	-66.19	-5.261	1,103.291	3.40	65+90	1,103.112	1,102.654	0.458	5.536	1,102.924	-3.40	6.150	1,103.048	-86.76	
-7.879	1,102.381	-66.21	-5.332	1,103.510	2.46	66+00	1,103.379	1,103.041	0.338	5.467	1,103.244	-2.46	6.328	1,103.210	-67.02	
-7.679	1,102.800	-66.19	-5.400	1,103.753	2.00	66+10	1,103.645	1,103.233	0.412	5.400	1,103.537	-2.00	6.361	1,103.439	-66.67	
-7.681	1,103.065	-66.19	-5.400	1,104.020	2.00	66+20	1,103.912	1,103.660	0.252	5.400	1,103.804	-2.00	6.239	1,103.786	-66.67	
-7.733	1,103.297	-66.21	-5.400	1,104.286	2.00	66+30	1,104.178	1,103.926	0.252	5.400	1,104.070	-2.00	6.262	1,104.037	-66.67	
-7.596	1,103.654	-66.17	-5.400	1,104.553	2.00	66+40	1,104.445	1,104.152	0.292	5.400	1,104.337	-2.00	6.366	1,104.235	-66.67	
-7.340	1,104.092	-66.07	-5.400	1,104.819	2.00	66+50	1,104.711	1,104.366	0.345	5.400	1,104.603	-2.00	6.296	1,104.548	-66.67	
-7.021	1,104.568	-65.88	-5.400	1,105.083	2.00	66+60	1,104.975	1,104.793	0.182	5.400	1,104.867	-2.00	6.163	1,104.900	-66.67	
-6.619	1,105.081	-65.37	-5.400	1,105.328	2.00	66+70	1,105.220	1,105.134	0.086	5.400	1,105.112	-2.00	6.146	1,105.156	-66.67	
-6.596	1,105.321	-65.32	-5.400	1,105.552	2.00	66+80	1,105.444	1,105.365	0.079	5.400	1,105.336	-2.00	6.150	1,105.378	-66.67	
-6.540	1,105.560	-65.19	-5.400	1,105.755	2.00	66+90	1,105.647	1,105.593	0.053	5.400	1,105.539	-2.00	6.114	1,105.604	-66.67	
-6.385	1,105.801	-64.97	-5.400	1,105.896	1.26	67+00	1,105.828	1,105.818	0.010	5.400	1,105.760	-1.26	6.113	1,105.831	-65.35	
-6.176	1,105.999	-64.88	-5.400	1,105.965	-0.43	67+10	1,105.988	1,105.977	0.011	5.400	1,106.011	0.43	6.319	1,105.955	-65.15	
-6.029	1,106.013	-66.77	-5.210	1,106.017	-2.11	67+20	1,106.127	1,106.002	0.125	5.400	1,106.241	2.11	6.644	1,105.978	-65.39	
-5.704	1,106.024	-67.46	-4.802	1,106.091	-3.20	67+30	1,106.245	1,106.016	0.228	5.400	1,106.417	3.20	6.890	1,105.998	-65.50	
-5.416	1,106.033	-67.19	-4.361	1,106.201	-3.20	67+40	1,106.341	1,106.023	0.319	5.400	1,106.514	3.20	7.021	1,106.006	-65.65	
-5.065	1,106.043	-67.08	-3.889	1,106.292	-3.20	67+50	1,106.416	1,106.032	0.384	5.400	1,106.589	3.20	7.119	1,106.016	-65.74	
-4.572	1,106.107	-67.08	-3.385	1,106.364	-3.20	67+60	1,106.473	1,106.106	0.367	5.400	1,106.646	3.20	7.072	1,106.104	-65.70	
-3.772	1,106.387	-66.85	-2.850	1,106.461	-2.29	67+70	1,106.527	1,106.389	0.138	5.400	1,106.650	2.29	6.638	1,106.393	-65.32	
-3.462	1,106.542	-64.38	-2.513	1,106.609	2.00	67+76.020	1,106.559	1,106.559	0.000	5.000	1,106.459	-2.00	5.653	1,106.566	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	

EIXO 02

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.002	1,123.001	-64.68	-5.400	1,123.112	2.00	0+00	1,123.004	1,123.004	0.000	5.400	1,122.896	-2.00	5.661	1,123.005	-66.67	
-6.209	1,123.000	-64.76	-5.400	1,123.244	3.80	0+10	1,123.039	1,123.000	0.039	5.400	1,122.834	-3.80	5.620	1,123.000	82.12	
-6.110	1,123.000	-65.10	-5.400	1,123.182	2.00	0+20	1,123.074	1,123.000	0.074	5.400	1,122.966	-2.00	5.774	1,123.000	-66.67	
-6.163	1,123.000	-65.25	-5.400	1,123.217	2.00	0+30	1,123.109	1,123.000	0.109	5.400	1,123.001	-2.00	5.827	1,123.000	-66.67	
-6.216	1,123.000	-65.37	-5.400	1,123.253	2.00	0+40	1,123.145	1,123.000	0.145	5.400	1,123.037	-2.00	5.880	1,123.000	-66.67	
-6.269	1,123.000	-65.47	-5.400	1,123.288	2.00	0+50	1,123.180	1,123.000	0.180	5.400	1,123.072	-2.00	5.933	1,123.000	-66.67	
-6.322	1,123.000	-65.56	-5.400	1,123.323	2.00	0+60	1,123.215	1,123.000	0.215	5.400	1,123.107	-2.00	5.986	1,123.000	-66.67	
-6.304	1,123.047	-65.53	-5.400	1,123.358	2.00	0+70	1,123.250	1,123.000	0.250	5.400	1,123.142	-2.00	6.039	1,123.000	-66.67	
-6.175	1,123.168	-65.27	-5.400	1,123.394	2.00	0+80	1,123.286	1,123.000	0.286	5.400	1,123.178	-2.00	6.091	1,123.000	-66.67	
-6.143	1,123.225	-65.19	-5.400	1,123.429	2.00	0+90	1,123.321	1,123.000	0.321	5.400	1,123.213	-2.00	6.144	1,123.000	-66.67	
-5.993	1,123.360	-64.63	-5.400	1,123.464	2.00	1+00	1,123.356	1,123.000	0.356	5.400	1,123.248	-2.00	6.197	1,123.000	-66.67	
-5.758	1,123.815	105.08	-5.400	1,123.499	2.00	1+10	1,123.391	1,123.354	0.037	5.400	1,123.283	-2.00	6.250	1,123.000	-66.67	
-5.943	1,124.035	102.33	-5.400	1,123.535	2.00	1+20	1,123.427	1,123.443	-0.017	5.400	1,123.319	-2.00	6.303	1,123.000	-66.67	
			-5.400	1,123.609	2.72	1+30	1,123.462	1,123.462	0.000	5.400	1,123.315	-2.72	6.103	1,123.128	-66.95	
-5.739	1,123.700	-60.15	-5.400	1,123.634	2.53	1+40	1,123.497	1,123.551	-0.054	5.400	1,123.361	-2.53	5.909	1,123.303	-67.01	
-5.898	1,123.563	-64.42	-5.400	1,123.606	1.36	1+50	1,123.532	1,123.397	0.136	5.400	1,123.459	-1.36	6.182	1,123.222	-66.45	
-5.710	1,123.627	-63.88	-5.400	1,123.548	-0.46	1+60	1,123.572	1,123.480	0.093	5.400	1,123.597	0.46	6.251	1,123.318	-65.91	
-5.740	1,123.579	-67.07	-5.400	1,123.523	-2.28	1+70	1,123.646	1,123.454	0.192	5.400	1,123.769	2.28	6.501	1,123.327	-65.72	
-5.663	1,123.646	-73.02	-5.400	1,123.541	-4.00	1+80	1,123.757	1,123.556	0.201	5.400	1,123.973	4.00	6.674	1,123.419	-65.55	
-5.761	1,123.730	-69.16	-5.400	1,123.691	-4.00	1+90	1,123.907	1,123.611	0.296	5.400	1,124.123	4.00	6.801	1,123.485	-65.67	
-5.828	1,123.873	-68.42	-5.400	1,123.879	-4.00	2+00	1,124.095	1,123.763	0.332	5.400	1,124.311	4.00	6.860	1,123.633	-65.71	
-5.927	1,124.033	-67.89	-5.400	1,124.105	-4.00	2+10	1,124.321	1,123.919	0.402	5.400	1,124.537	4.00	6.924	1,123.817	-65.76	
-5.825	1,124.372	-68.36	-5.400	1,124.375	-3.90	2+20	1,124.586	1,124.220	0.365	5.400	1,124.796	3.90	6.975	1,124.041	-65.81	
-5.842	1,124.764	-66.73	-5.400	1,124.776	-2.08	2+30	1,124.888	1,124.684	0.204	5.400	1,125.000	2.08	6.501	1,124.558	-65.76	
-5.760	1,125.523	102.17	-5.400	1,125.210	-0.26	2+40	1,125.224	1,125.380	-0.157	5.400	1,125.238	0.26	6.096	1,125.062	-65.75	
-6.432	1,126.638	100.86	-5.400	1,125.648	1.56	2+50	1,125.564	1,126.342	-0.778	5.400	1,125.480	-1.56	5.954	1,125.985	100.25	
-6.967	1,127.538	100.59	-5.400	1,126.013	2.00	2+60	1,125.905	1,127.309	-1.405	5.400	1,125.797	-2.00	6.691	1,127.038	100.00	
-7.092	1,128.004	100.54	-5.400	1,126.354	2.00	2+70	1,126.246	1,128.004	-1.759	5.400	1,126.138	-2.00	7.315	1,128.003	100.00	
-6.715	1,127.967	100.72	-5.400	1,126.694	2.00	2+80	1,126.586	1,127.997	-1.411	5.400	1,126.478	-2.00	6.978	1,128.006	100.00	
-6.325	1,127.918	101.10	-5.400	1,127.035	2.00	2+90	1,126.927	1,127.945	-1.018	5.400	1,126.819	-2.00	6.604	1,127.973	100.00	
-5.999	1,127.937	102.05	-5.400	1,127.380	2.08	3+00	1,127.267	1,127.925	-0.657	5.400	1,127.155	-2.08	6.225	1,127.930	99.97	
-5.666	1,127.992	115.71	-5.400	1,127.766	3.20	3+10	1,127.593	1,127.977	-0.384	5.400	1,127.420	-3.20	6.001	1,127.968	99.40	
-5.700	1,128.154	-56.30	-5.400	1,128.060	3.20	3+20	1,127.888	1,128.103	-0.215	5.400	1,127.715	-3.20	5.799	1,128.062	98.79	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.832	1,128.331	-62.18	-5.400	1,128.325	3.20	3+30	1,128.152	1,128.285	-0.133	5.400	1,127.979	-3.20	5.700	1,128.227	97.61	
-5.910	1,128.513	-63.31	-5.400	1,128.559	3.20	3+40	1,128.386	1,128.450	-0.063	5.400	1,128.213	-3.20	5.628	1,128.389	91.46	
-5.967	1,128.679	-63.83	-5.400	1,128.763	3.20	3+50	1,128.590	1,128.612	-0.022	5.400	1,128.417	-3.20	5.614	1,128.556	-84.23	
-5.980	1,128.843	-63.93	-5.400	1,128.936	3.20	3+60	1,128.763	1,128.770	-0.007	5.400	1,128.590	-3.20	5.672	1,128.690	-69.99	
-5.893	1,128.977	-63.93	-5.400	1,129.014	2.00	3+70	1,128.906	1,128.892	0.014	5.400	1,128.798	-2.00	5.802	1,128.813	-66.67	
-5.934	1,129.062	-64.27	-5.400	1,129.126	2.00	3+80	1,129.018	1,129.011	0.007	5.400	1,128.910	-2.00	5.758	1,128.955	-66.67	
-5.961	1,129.141	-64.45	-5.400	1,129.223	2.00	3+90	1,129.115	1,129.079	0.036	5.400	1,129.007	-2.00	5.813	1,129.015	-66.67	
-5.998	1,129.213	-64.66	-5.400	1,129.321	2.00	4+00	1,129.213	1,129.134	0.079	5.400	1,129.105	-2.00	5.898	1,129.056	-66.67	
-6.061	1,129.269	-64.93	-5.400	1,129.418	2.00	4+10	1,129.310	1,129.186	0.124	5.400	1,129.202	-2.00	5.990	1,129.092	-66.67	
-6.142	1,129.311	-65.19	-5.400	1,129.515	2.00	4+20	1,129.407	1,129.215	0.192	5.400	1,129.299	-2.00	6.095	1,129.119	-66.67	
-6.242	1,129.342	-65.42	-5.400	1,129.612	2.00	4+30	1,129.504	1,129.254	0.249	5.400	1,129.396	-2.00	6.098	1,129.214	-66.67	
-6.157	1,129.496	-65.23	-5.400	1,129.709	2.00	4+40	1,129.601	1,129.429	0.172	5.400	1,129.493	-2.00	6.118	1,129.298	-66.67	
-6.084	1,129.642	-65.01	-5.400	1,129.806	2.00	4+50	1,129.698	1,129.612	0.086	5.400	1,129.590	-2.00	5.858	1,129.568	-66.67	
-5.792	1,129.933	-62.49	-5.400	1,129.903	2.00	4+60	1,129.795	1,129.809	-0.013	5.400	1,129.687	-2.00	5.856	1,129.666	-66.67	
-5.837	1,130.000	-63.30	-5.400	1,130.000	2.00	4+70	1,129.892	1,129.904	-0.011	5.400	1,129.784	-2.00	5.848	1,129.769	-66.67	
-5.981	1,130.002	-64.57	-5.400	1,130.098	2.00	4+80	1,129.990	1,130.000	-0.010	5.400	1,129.882	-2.00	5.838	1,129.873	-66.67	
-6.112	1,130.011	-65.10	-5.400	1,130.195	2.00	4+90	1,130.087	1,130.001	0.086	5.400	1,129.979	-2.00	5.809	1,129.989	-66.67	
-6.053	1,130.148	-64.90	-5.400	1,130.292	2.00	5+00	1,130.184	1,130.059	0.125	5.400	1,130.076	-2.00	5.939	1,130.000	-66.67	
-5.995	1,130.284	-64.64	-5.400	1,130.389	2.00	5+10	1,130.281	1,130.196	0.085	5.400	1,130.173	-2.00	5.967	1,130.078	-66.67	
-5.936	1,130.420	-64.29	-5.400	1,130.486	2.00	5+20	1,130.378	1,130.333	0.045	5.400	1,130.270	-2.00	5.967	1,130.176	-66.67	
-5.877	1,130.556	-63.78	-5.400	1,130.583	2.00	5+30	1,130.475	1,130.436	0.039	5.400	1,130.367	-2.00	6.040	1,130.224	-66.67	
-5.820	1,130.691	-63.04	-5.400	1,130.680	2.00	5+40	1,130.572	1,130.500	0.072	5.400	1,130.464	-2.00	6.075	1,130.298	-66.67	
-5.846	1,130.772	-63.41	-5.400	1,130.778	2.00	5+50	1,130.670	1,130.656	0.013	5.400	1,130.562	-2.00	5.865	1,130.535	-66.67	
-5.647	1,131.001	-49.78	-5.400	1,130.875	2.00	5+60	1,130.767	1,130.891	-0.124	5.400	1,130.659	-2.00	5.649	1,130.776	-66.67	
-5.777	1,131.012	-62.15	-5.400	1,130.972	2.00	5+70	1,130.864	1,131.004	-0.140	5.400	1,130.756	-2.00	5.611	1,130.917	100.00	
-5.912	1,131.019	-64.10	-5.400	1,131.069	2.00	5+80	1,130.961	1,131.009	-0.048	5.400	1,130.853	-2.00	5.649	1,130.970	-66.67	
-6.047	1,131.026	-64.88	-5.400	1,131.166	2.00	5+90	1,131.058	1,131.012	0.046	5.400	1,130.950	-2.00	5.778	1,130.981	-66.67	
-6.185	1,131.031	-65.30	-5.400	1,131.263	2.00	6+00	1,131.155	1,131.015	0.140	5.400	1,131.047	-2.00	5.895	1,131.001	-66.67	
-6.320	1,131.038	-65.56	-5.400	1,131.360	2.00	6+10	1,131.252	1,131.021	0.231	5.400	1,131.144	-2.00	6.035	1,131.004	-66.67	
-6.268	1,131.170	-65.47	-5.400	1,131.457	2.00	6+20	1,131.349	1,131.083	0.267	5.400	1,131.241	-2.00	6.176	1,131.008	-66.67	
-6.204	1,131.310	-65.34	-5.400	1,131.555	2.00	6+30	1,131.447	1,131.224	0.223	5.400	1,131.339	-2.00	6.134	1,131.133	-66.67	
-6.139	1,131.450	-65.18	-5.400	1,131.652	2.00	6+40	1,131.544	1,131.365	0.179	5.400	1,131.436	-2.00	6.224	1,131.170	-66.67	
-6.074	1,131.590	-64.98	-5.400	1,131.749	2.00	6+50	1,131.641	1,131.414	0.227	5.400	1,131.533	-2.00	6.347	1,131.185	-66.67	
-6.124	1,131.654	-65.14	-5.400	1,131.845	2.00	6+60	1,131.737	1,131.569	0.168	5.400	1,131.629	-2.00	6.238	1,131.353	-66.67	
-5.754	1,131.996	-61.47	-5.400	1,131.941	2.00	6+70	1,131.833	1,131.807	0.026	5.400	1,131.725	-2.00	6.169	1,131.495	-66.67	
-5.886	1,132.003	-63.87	-5.400	1,132.036	2.00	6+80	1,131.928	1,131.932	-0.004	5.400	1,131.820	-2.00	6.098	1,131.638	-66.67	
-6.021	1,132.008	-64.77	-5.400	1,132.131	2.00	6+90	1,132.023	1,132.002	0.021	5.400	1,131.915	-2.00	5.924	1,131.849	-66.67	
-6.154	1,132.014	-65.22	-5.400	1,132.226	2.00	7+00	1,132.118	1,132.006	0.112	5.400	1,132.010	-2.00	5.844	1,131.997	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.169	1,132.098	-65.26	-5.400	1,132.320	2.00	7+10	1,132.212	1,132.068	0.144	5.400	1,132.104	-2.00	5.923	1,132.039	-66.67	
-6.122	1,132.223	-65.14	-5.400	1,132.413	2.00	7+20	1,132.305	1,132.193	0.112	5.400	1,132.197	-2.00	5.875	1,132.164	-66.67	
-6.080	1,132.345	-65.00	-5.400	1,132.506	2.00	7+30	1,132.398	1,132.318	0.081	5.400	1,132.290	-2.00	5.827	1,132.289	-66.67	
-6.041	1,132.464	-64.85	-5.400	1,132.600	2.00	7+40	1,132.492	1,132.442	0.049	5.400	1,132.384	-2.00	5.780	1,132.414	-66.67	
-6.045	1,132.585	-64.62	-5.400	1,132.722	2.55	7+50	1,132.585	1,132.567	0.018	5.400	1,132.447	-2.55	5.690	1,132.536	-67.88	
-6.080	1,132.691	-64.50	-5.400	1,132.851	3.20	7+60	1,132.678	1,132.684	-0.006	5.400	1,132.505	-3.20				
-6.091	1,132.777	-64.55	-5.400	1,132.944	3.20	7+70	1,132.771	1,132.800	-0.029	5.400	1,132.599	-3.20	5.624	1,132.771	90.18	
-5.880	1,132.866	-64.80	-5.400	1,132.898	0.61	7+80	1,132.865	1,132.896	-0.032	5.400	1,132.832	-0.61	5.753	1,132.882	-64.85	
-5.732	1,132.959	-65.38	-5.400	1,132.896	-1.15	7+90	1,132.958	1,132.985	-0.027	5.400	1,133.020	1.15	5.863	1,133.001	-64.27	
-5.655	1,133.005	-69.99	-5.400	1,132.893	-2.92	8+00	1,133.051	1,133.010	0.041	5.400	1,133.209	2.92	6.134	1,133.012	-64.83	
-5.770	1,133.017	-67.84	-5.400	1,132.982	-3.00	8+10	1,133.144	1,133.021	0.123	5.400	1,133.306	3.00	6.260	1,133.026	-65.15	
-5.894	1,133.027	-67.35	-5.400	1,133.076	-3.00	8+20	1,133.238	1,133.034	0.203	5.400	1,133.400	3.00	6.388	1,133.034	-65.40	
-5.990	1,133.057	-67.18	-5.400	1,133.169	-3.00	8+30	1,133.331	1,133.050	0.281	5.400	1,133.493	3.00	6.513	1,133.044	-65.57	
-5.946	1,133.195	-67.08	-5.400	1,133.277	-2.71	8+40	1,133.424	1,133.120	0.304	5.400	1,133.570	2.71	6.614	1,133.054	-65.74	
-6.017	1,133.340	-66.16	-5.400	1,133.466	-0.95	8+50	1,133.517	1,133.267	0.250	5.400	1,133.568	0.95	6.434	1,133.169	-65.96	
-6.081	1,133.490	-65.49	-5.400	1,133.655	0.82	8+60	1,133.610	1,133.416	0.194	5.400	1,133.566	-0.82	6.186	1,133.328	-66.26	
-6.154	1,133.598	-65.22	-5.400	1,133.810	2.00	8+70	1,133.702	1,133.565	0.137	5.400	1,133.594	-2.00	5.986	1,133.487	-66.67	
-6.123	1,133.699	-65.14	-5.400	1,133.890	2.00	8+80	1,133.782	1,133.714	0.068	5.400	1,133.674	-2.00	5.872	1,133.643	-66.67	
-6.079	1,133.797	-65.00	-5.400	1,133.958	2.00	8+90	1,133.850	1,133.816	0.034	5.400	1,133.742	-2.00	5.748	1,133.793	-66.67	
-6.051	1,133.869	-64.89	-5.400	1,134.012	2.00	9+00	1,133.904	1,133.909	-0.005	5.400	1,133.796	-2.00	5.622	1,133.931	-66.67	
-6.093	1,133.883	-65.04	-5.400	1,134.054	2.00	9+10	1,133.946	1,133.934	0.011	5.400	1,133.838	-2.00	5.609	1,133.982	-66.67	
-6.084	1,133.917	-65.02	-5.400	1,134.082	2.00	9+20	1,133.974	1,133.958	0.016	5.400	1,133.866	-2.00	5.629	1,133.997	-66.67	
-6.055	1,133.952	-64.91	-5.400	1,134.098	2.00	9+30	1,133.990	1,133.993	-0.004	5.400	1,133.882	-2.00	5.648	1,134.000	-66.67	
-6.006	1,133.987	-64.70	-5.400	1,134.100	2.00	9+40	1,133.992	1,133.996	-0.003	5.400	1,133.884	-2.00	5.652	1,134.000	-66.67	
-5.986	1,133.992	-64.60	-5.400	1,134.091	2.00	9+50	1,133.983	1,133.996	-0.013	5.400	1,133.875	-2.00	5.639	1,133.999	-66.67	
-5.968	1,133.994	-64.49	-5.400	1,134.081	2.00	9+60	1,133.973	1,133.997	-0.023	5.400	1,133.865	-2.00	5.624	1,133.999	-66.67	
-5.956	1,133.996	-64.42	-5.400	1,134.075	2.00	9+70	1,133.967	1,133.998	-0.031	5.400	1,133.859	-2.00	5.615	1,133.999	-66.67	
-5.958	1,133.997	-64.43	-5.400	1,134.077	2.00	9+80	1,133.969	1,133.998	-0.029	5.400	1,133.861	-2.00	5.617	1,134.000	-66.67	
-5.972	1,133.998	-64.51	-5.400	1,134.088	2.00	9+90	1,133.980	1,133.999	-0.020	5.400	1,133.872	-2.00	5.632	1,134.000	-66.67	
-5.998	1,133.999	-64.66	-5.400	1,134.106	2.00	10+00	1,133.998	1,134.000	-0.002	5.400	1,133.890	-2.00	5.660	1,134.000	-66.67	
-6.010	1,134.018	-64.72	-5.400	1,134.133	2.00	10+10	1,134.025	1,134.015	0.010	5.400	1,133.917	-2.00	5.663	1,134.025	-66.67	
-5.969	1,134.081	-64.50	-5.400	1,134.169	2.00	10+20	1,134.061	1,134.071	-0.011	5.400	1,133.953	-2.00	5.632	1,134.081	-66.67	
-5.939	1,134.144	-64.30	-5.400	1,134.212	2.00	10+30	1,134.104	1,134.135	-0.031	5.400	1,133.996	-2.00	5.613	1,134.137	-66.67	
-5.921	1,134.208	-64.18	-5.400	1,134.264	2.00	10+40	1,134.156	1,134.199	-0.043	5.400	1,134.048	-2.00	5.607	1,134.194	-66.67	
-5.916	1,134.272	-64.13	-5.400	1,134.324	2.00	10+50	1,134.216	1,134.263	-0.046	5.400	1,134.108	-2.00				
-5.923	1,134.336	-64.19	-5.400	1,134.393	2.00	10+60	1,134.285	1,134.327	-0.042	5.400	1,134.177	-2.00	5.610	1,134.320	-66.67	
-5.937	1,134.399	-64.29	-5.400	1,134.466	2.00	10+70	1,134.358	1,134.391	-0.033	5.400	1,134.250	-2.00	5.623	1,134.384	-66.67	
-5.950	1,134.463	-64.38	-5.400	1,134.538	2.00	10+80	1,134.430	1,134.455	-0.024	5.400	1,134.322	-2.00	5.636	1,134.448	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.964	1,134.527	-64.47	-5.400	1,134.611	2.00	10+90	1,134.503	1,134.519	-0.016	5.400	1,134.395	-2.00	5.649	1,134.512	-66.67	
-5.977	1,134.590	-64.54	-5.400	1,134.684	2.00	11+00	1,134.576	1,134.583	-0.007	5.400	1,134.468	-2.00	5.663	1,134.576	-66.67	
-5.990	1,134.654	-64.62	-5.400	1,134.756	2.00	11+10	1,134.648	1,134.647	0.002	5.400	1,134.540	-2.00	5.676	1,134.640	-66.67	
-6.004	1,134.718	-64.68	-5.400	1,134.829	2.00	11+20	1,134.721	1,134.711	0.010	5.400	1,134.613	-2.00	5.689	1,134.704	-66.67	
-6.011	1,134.782	-64.72	-5.400	1,134.898	2.00	11+30	1,134.790	1,134.775	0.015	5.400	1,134.682	-2.00	5.696	1,134.768	-66.67	
-6.008	1,134.846	-64.71	-5.400	1,134.960	2.00	11+40	1,134.852	1,134.839	0.013	5.400	1,134.744	-2.00	5.693	1,134.832	-66.67	
-5.994	1,134.910	-64.63	-5.400	1,135.015	2.00	11+50	1,134.907	1,134.903	0.004	5.400	1,134.799	-2.00	5.679	1,134.896	-66.67	
-5.969	1,134.974	-64.50	-5.400	1,135.062	2.00	11+60	1,134.954	1,134.967	-0.013	5.400	1,134.846	-2.00	5.654	1,134.960	-66.67	
-6.005	1,134.990	-64.69	-5.400	1,135.102	2.00	11+70	1,134.994	1,134.990	0.004	5.400	1,134.886	-2.00	5.666	1,134.992	-66.67	
-6.045	1,134.996	-64.87	-5.400	1,135.135	2.00	11+80	1,135.027	1,134.999	0.028	5.400	1,134.919	-2.00	5.702	1,135.001	-66.67	
-6.080	1,134.999	-65.00	-5.400	1,135.161	2.00	11+90	1,135.053	1,135.001	0.052	5.400	1,134.945	-2.00	5.739	1,135.002	-66.67	
-6.101	1,135.003	-65.07	-5.400	1,135.179	2.00	12+00	1,135.071	1,135.003	0.068	5.400	1,134.963	-2.00	5.764	1,135.004	-66.67	
-6.113	1,135.007	-65.11	-5.400	1,135.191	2.00	12+10	1,135.083	1,135.007	0.076	5.400	1,134.975	-2.00	5.777	1,135.006	-66.67	
-6.114	1,135.010	-65.11	-5.400	1,135.195	2.00	12+20	1,135.087	1,135.010	0.076	5.400	1,134.979	-2.00	5.777	1,135.010	-66.67	
-6.108	1,135.014	-65.09	-5.400	1,135.195	2.00	12+30	1,135.087	1,135.013	0.074	5.400	1,134.979	-2.00	5.772	1,135.014	-66.67	
-6.103	1,135.018	-65.08	-5.400	1,135.195	2.00	12+40	1,135.087	1,135.017	0.070	5.400	1,134.979	-2.00	5.768	1,135.017	-66.67	
-6.098	1,135.022	-65.06	-5.400	1,135.196	2.00	12+50	1,135.088	1,135.021	0.067	5.400	1,134.980	-2.00	5.764	1,135.020	-66.67	
-6.092	1,135.026	-65.04	-5.400	1,135.196	2.00	12+60	1,135.088	1,135.025	0.063	5.400	1,134.980	-2.00	5.759	1,135.024	-66.67	
-6.087	1,135.030	-65.02	-5.400	1,135.196	2.00	12+70	1,135.088	1,135.029	0.060	5.400	1,134.980	-2.00	5.754	1,135.028	-66.67	
-6.082	1,135.034	-65.01	-5.400	1,135.197	2.00	12+80	1,135.089	1,135.033	0.056	5.400	1,134.981	-2.00	5.749	1,135.032	-66.67	
-6.077	1,135.038	-64.99	-5.400	1,135.197	2.00	12+90	1,135.089	1,135.037	0.053	5.400	1,134.981	-2.00	5.743	1,135.036	-66.67	
-6.075	1,135.039	-64.98	-5.400	1,135.198	2.00	13+00	1,135.090	1,135.037	0.052	5.400	1,134.982	-2.00	5.744	1,135.036	-66.67	
-6.079	1,135.037	-65.00	-5.400	1,135.198	2.00	13+10	1,135.090	1,135.035	0.055	5.400	1,134.982	-2.00	5.748	1,135.033	-66.67	
-6.083	1,135.034	-65.01	-5.400	1,135.198	2.00	13+20	1,135.090	1,135.032	0.058	5.400	1,134.982	-2.00	5.752	1,135.031	-66.67	
-6.087	1,135.032	-65.02	-5.400	1,135.199	2.00	13+30	1,135.091	1,135.030	0.061	5.400	1,134.983	-2.00	5.756	1,135.028	-66.67	
-6.091	1,135.029	-65.04	-5.400	1,135.199	2.00	13+40	1,135.091	1,135.028	0.063	5.400	1,134.983	-2.00	5.761	1,135.026	-66.67	
-6.094	1,135.028	-65.05	-5.400	1,135.199	2.00	13+50	1,135.091	1,135.025	0.066	5.400	1,134.983	-2.00	5.765	1,135.024	-66.67	
-6.096	1,135.027	-65.05	-5.400	1,135.200	2.00	13+60	1,135.092	1,135.025	0.067	5.400	1,134.984	-2.00	5.766	1,135.023	-66.67	
-6.077	1,135.040	-64.99	-5.400	1,135.200	2.00	13+70	1,135.092	1,135.023	0.069	5.400	1,134.984	-2.00	5.770	1,135.021	-66.67	
-6.019	1,135.079	-64.76	-5.400	1,135.201	2.00	13+80	1,135.093	1,135.055	0.037	5.400	1,134.985	-2.00	5.753	1,135.032	-66.67	
-5.961	1,135.118	-64.45	-5.400	1,135.201	2.00	13+90	1,135.093	1,135.094	-0.001	5.400	1,134.985	-2.00	5.695	1,135.072	-66.67	
-5.904	1,135.157	-64.03	-5.400	1,135.201	2.00	14+00	1,135.093	1,135.133	-0.040	5.400	1,134.985	-2.00	5.636	1,135.111	-66.67	
-5.846	1,135.196	-63.41	-5.400	1,135.202	2.00	14+10	1,135.094	1,135.173	-0.079	5.400	1,134.986	-2.00	5.615	1,135.150	100.00	
-5.814	1,135.217	-62.94	-5.400	1,135.202	2.00	14+20	1,135.094	1,135.188	-0.094	5.400	1,134.986	-2.00	5.624	1,135.160	100.00	
-5.857	1,135.189	-63.55	-5.400	1,135.202	2.00	14+30	1,135.094	1,135.159	-0.065	5.400	1,134.986	-2.00	5.608	1,135.131	-66.67	
-5.901	1,135.156	-64.01	-5.400	1,135.199	2.00	14+40	1,135.091	1,135.126	-0.036	5.400	1,134.983	-2.00	5.653	1,135.098	-66.67	
-5.923	1,135.130	-64.19	-5.400	1,135.187	2.00	14+50	1,135.079	1,135.098	-0.019	5.400	1,134.971	-2.00	5.681	1,135.067	-66.67	
-5.952	1,135.091	-64.39	-5.400	1,135.168	2.00	14+60	1,135.060	1,135.059	0.001	5.400	1,134.952	-2.00	5.710	1,135.029	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.975	1,135.049	-64.53	-5.400	1,135.141	2.00	14+70	1,135.033	1,135.017	0.016	5.400	1,134.925	-2.00	5.710	1,135.002	-66.67	
-5.992	1,135.003	-64.62	-5.400	1,135.106	2.00	14+80	1,134.998	1,135.000	-0.002	5.400	1,134.890	-2.00	5.725	1,134.956	-66.67	
-5.959	1,134.982	-64.44	-5.400	1,135.063	2.00	14+90	1,134.955	1,134.928	0.027	5.400	1,134.847	-2.00	5.776	1,134.879	-66.67	
-5.985	1,134.914	-64.59	-5.400	1,135.012	2.00	15+00	1,134.904	1,134.860	0.044	5.400	1,134.796	-2.00	5.808	1,134.808	-66.67	
-5.992	1,134.850	-64.63	-5.400	1,134.953	2.00	15+10	1,134.845	1,134.792	0.054	5.400	1,134.737	-2.00	5.822	1,134.739	-66.67	
-5.964	1,134.802	-64.47	-5.400	1,134.887	2.00	15+20	1,134.779	1,134.738	0.041	5.400	1,134.671	-2.00	5.818	1,134.675	-66.67	
-5.927	1,134.753	-64.22	-5.400	1,134.812	2.00	15+30	1,134.704	1,134.690	0.014	5.400	1,134.596	-2.00	5.777	1,134.628	-66.67	
-5.924	1,134.676	-64.19	-5.400	1,134.734	2.00	15+40	1,134.626	1,134.617	0.010	5.400	1,134.518	-2.00	5.759	1,134.562	-66.67	
-5.903	1,134.611	-64.03	-5.400	1,134.656	2.00	15+50	1,134.548	1,134.548	-0.001	5.400	1,134.440	-2.00	5.752	1,134.489	-66.67	
-5.879	1,134.550	-63.80	-5.400	1,134.577	2.00	15+60	1,134.469	1,134.491	-0.022	5.400	1,134.361	-2.00	5.728	1,134.426	-66.67	
-5.880	1,134.470	-63.81	-5.400	1,134.499	2.00	15+70	1,134.391	1,134.420	-0.029	5.400	1,134.283	-2.00	5.690	1,134.373	-66.67	
-5.856	1,134.408	-63.55	-5.400	1,134.421	2.00	15+80	1,134.313	1,134.344	-0.032	5.400	1,134.205	-2.00	5.690	1,134.294	-66.67	
-5.825	1,134.350	-63.11	-5.400	1,134.342	2.00	15+90	1,134.234	1,134.294	-0.060	5.400	1,134.126	-2.00	5.655	1,134.239	-66.67	
-5.826	1,134.271	-63.13	-5.400	1,134.264	2.00	16+00	1,134.156	1,134.220	-0.064	5.400	1,134.048	-2.00	5.649	1,134.165	-66.67	
-5.852	1,134.175	-63.50	-5.400	1,134.186	2.00	16+10	1,134.078	1,134.126	-0.048	5.400	1,133.970	-2.00	5.663	1,134.078	-66.67	
-5.864	1,134.089	-63.64	-5.400	1,134.107	2.00	16+20	1,133.999	1,134.030	-0.031	5.400	1,133.891	-2.00	5.652	1,134.007	-66.67	
-5.869	1,134.007	-63.70	-5.400	1,134.029	2.00	16+30	1,133.921	1,133.993	-0.072	5.400	1,133.813	-2.00	5.633	1,133.996	100.00	
-5.773	1,133.993	-62.04	-5.400	1,133.950	2.00	16+40	1,133.842	1,133.984	-0.142	5.400	1,133.734	-2.00	5.699	1,133.983	100.00	
-5.664	1,133.987	-54.19	-5.400	1,133.872	2.00	16+50	1,133.764	1,133.974	-0.209	5.400	1,133.656	-2.00	5.726	1,133.932	100.00	
-5.643	1,133.923	-47.99	-5.400	1,133.794	2.00	16+60	1,133.686	1,133.855	-0.170	5.400	1,133.578	-2.00	5.660	1,133.788	100.00	
-5.662	1,133.832	-53.66	-5.400	1,133.715	2.00	16+70	1,133.607	1,133.744	-0.136	5.400	1,133.499	-2.00	5.613	1,133.662	100.00	
-5.666	1,133.751	-54.54	-5.400	1,133.637	2.00	16+80	1,133.529	1,133.671	-0.142	5.400	1,133.421	-2.00	5.620	1,133.590	100.00	
-5.721	1,133.636	-60.03	-5.400	1,133.559	2.00	16+90	1,133.451	1,133.577	-0.126	5.400	1,133.343	-2.00	5.619	1,133.511	100.00	
-5.798	1,133.506	-62.63	-5.400	1,133.480	2.00	17+00	1,133.372	1,133.460	-0.088	5.400	1,133.264	-2.00	5.617	1,133.403	-66.67	
-5.899	1,133.361	-63.99	-5.400	1,133.402	2.00	17+10	1,133.294	1,133.341	-0.047	5.400	1,133.186	-2.00	5.676	1,133.285	-66.67	
-6.000	1,133.215	-64.67	-5.400	1,133.323	2.00	17+20	1,133.215	1,133.201	0.015	5.400	1,133.107	-2.00	5.739	1,133.165	-66.67	
-6.087	1,133.079	-65.02	-5.400	1,133.245	2.00	17+30	1,133.137	1,133.055	0.082	5.400	1,133.029	-2.00	5.807	1,133.041	-66.67	
-6.113	1,132.983	-65.11	-5.400	1,133.167	2.00	17+40	1,133.059	1,132.957	0.102	5.400	1,132.951	-2.00	5.799	1,132.968	-66.67	
-5.990	1,132.953	-64.89	-5.400	1,133.056	1.46	17+50	1,132.977	1,132.921	0.056	5.400	1,132.899	-1.46	5.760	1,132.943	-65.99	
-5.779	1,132.905	-64.84	-5.400	1,132.871	-0.36	17+60	1,132.890	1,132.882	0.008	5.400	1,132.910	0.36	5.822	1,132.917	-64.54	
-5.622	1,132.862	100.00	-5.400	1,132.690	-2.00	17+70	1,132.798	1,132.845	-0.047	5.400	1,132.906	2.00	5.875	1,132.880	-63.76	
-5.659	1,132.800	100.00	-5.400	1,132.591	-2.00	17+80	1,132.699	1,132.745	-0.046	5.400	1,132.807	2.00	6.004	1,132.696	-64.69	
-5.645	1,132.607	-66.67	-5.400	1,132.487	-2.00	17+90	1,132.595	1,132.530	0.065	5.400	1,132.703	2.00	6.224	1,132.445	-65.39	
-5.641	1,132.568	100.00	-5.400	1,132.377	-2.00	18+00	1,132.485	1,132.503	-0.018	5.400	1,132.593	2.00	6.078	1,132.432	-64.99	
-5.665	1,132.476	100.00	-5.400	1,132.261	-2.00	18+10	1,132.369	1,132.411	-0.041	5.400	1,132.477	2.00	6.044	1,132.340	-64.86	
-5.689	1,132.378	100.00	-5.400	1,132.140	-2.00	18+20	1,132.248	1,132.313	-0.066	5.400	1,132.356	2.00	6.003	1,132.245	-64.68	
-5.718	1,132.284	100.00	-5.400	1,132.015	-2.00	18+30	1,132.123	1,132.216	-0.092	5.400	1,132.231	2.00	5.964	1,132.147	-64.47	
-5.738	1,132.179	100.00	-5.400	1,131.891	-2.00	18+40	1,131.999	1,132.123	-0.124	5.400	1,132.107	2.00	5.922	1,132.051	-64.18	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.715	1,132.031	100.00	-5.400	1,131.767	-2.00	18+50	1,131.875	1,131.998	-0.123	5.400	1,131.983	2.00	5.828	1,131.989	-63.15	
-5.764	1,131.957	100.00	-5.400	1,131.642	-2.00	18+60	1,131.750	1,131.946	-0.196	5.400	1,131.858	2.00	5.722	1,131.935	-60.10	
-5.731	1,131.799	100.00	-5.400	1,131.518	-2.00	18+70	1,131.626	1,131.763	-0.138	5.400	1,131.734	2.00	5.811	1,131.751	-62.88	
-5.704	1,131.648	100.00	-5.400	1,131.393	-2.00	18+80	1,131.501	1,131.594	-0.092	5.400	1,131.609	2.00	5.900	1,131.567	-64.00	
-5.672	1,131.492	100.00	-5.400	1,131.269	-2.00	18+90	1,131.377	1,131.442	-0.065	5.400	1,131.485	2.00	5.987	1,131.385	-64.60	
-5.645	1,131.340	100.00	-5.400	1,131.145	-2.00	19+00	1,131.253	1,131.284	-0.031	5.400	1,131.361	2.00	6.031	1,131.231	-64.81	
-5.612	1,131.183	100.00	-5.400	1,131.021	-2.00	19+10	1,131.129	1,131.130	-0.001	5.400	1,131.237	2.00	6.085	1,131.072	-65.02	
-5.627	1,131.036	-66.67	-5.400	1,130.904	-2.00	19+20	1,131.012	1,130.978	0.034	5.400	1,131.120	2.00	6.124	1,130.929	-65.14	
-5.625	1,130.927	-66.67	-5.400	1,130.794	-2.00	19+30	1,130.902	1,130.868	0.034	5.400	1,131.010	2.00	6.143	1,130.806	-65.19	
			-5.400	1,130.691	-2.00	19+40	1,130.799	1,130.774	0.024	5.400	1,130.907	2.00	6.140	1,130.705	-65.18	
-5.607	1,130.751	100.00	-5.400	1,130.595	-2.00	19+50	1,130.703	1,130.693	0.010	5.400	1,130.811	2.00	6.105	1,130.632	-65.08	
-5.644	1,130.700	100.00	-5.400	1,130.506	-2.00	19+60	1,130.614	1,130.628	-0.015	5.400	1,130.722	2.00	6.091	1,130.552	-65.04	
-5.683	1,130.657	100.00	-5.400	1,130.424	-2.00	19+70	1,130.532	1,130.589	-0.057	5.400	1,130.640	2.00	6.019	1,130.519	-64.76	
-5.711	1,130.610	100.00	-5.400	1,130.349	-2.00	19+80	1,130.457	1,130.550	-0.093	5.400	1,130.565	2.00	5.963	1,130.481	-64.46	
-5.728	1,130.560	100.00	-5.400	1,130.281	-2.00	19+90	1,130.389	1,130.495	-0.106	5.400	1,130.497	2.00	5.938	1,130.430	-64.30	
-5.760	1,130.531	100.00	-5.400	1,130.221	-2.00	20+00	1,130.329	1,130.464	-0.135	5.400	1,130.437	2.00	5.899	1,130.396	-63.99	
-5.763	1,130.479	100.00	-5.400	1,130.166	-2.00	20+10	1,130.274	1,130.424	-0.150	5.400	1,130.382	2.00	5.862	1,130.366	-63.61	
-5.730	1,130.393	100.00	-5.400	1,130.113	-2.00	20+20	1,130.221	1,130.344	-0.123	5.400	1,130.329	2.00	5.898	1,130.288	-63.99	
-5.687	1,130.296	100.00	-5.400	1,130.059	-2.00	20+30	1,130.167	1,130.247	-0.079	5.400	1,130.275	2.00	5.957	1,130.195	-64.43	
-5.680	1,130.236	100.00	-5.400	1,130.006	-2.00	20+40	1,130.114	1,130.174	-0.060	5.400	1,130.222	2.00	6.023	1,130.098	-64.78	
-5.665	1,130.167	100.00	-5.400	1,129.952	-2.00	20+50	1,130.060	1,130.094	-0.034	5.400	1,130.168	2.00	6.065	1,130.016	-64.95	
-5.658	1,130.107	100.00	-5.400	1,129.899	-2.00	20+60	1,130.007	1,130.028	-0.021	5.400	1,130.115	2.00	6.035	1,129.983	-64.83	
-5.651	1,130.046	100.00	-5.400	1,129.845	-2.00	20+70	1,129.953	1,129.990	-0.037	5.400	1,130.061	2.00	5.975	1,129.969	-64.53	
-5.650	1,129.992	100.00	-5.400	1,129.792	-2.00	20+80	1,129.900	1,129.971	-0.072	5.400	1,130.008	2.00	5.926	1,129.949	-64.21	
-5.671	1,129.959	100.00	-5.400	1,129.738	-2.00	20+90	1,129.846	1,129.933	-0.087	5.400	1,129.954	2.00	5.888	1,129.920	-63.89	
-5.726	1,129.750	-66.67	-5.400	1,129.685	-2.00	21+00	1,129.793	1,129.704	0.089	5.400	1,129.901	2.00	6.208	1,129.654	-65.35	
-5.777	1,129.663	-66.67	-5.400	1,129.631	-2.00	21+10	1,129.739	1,129.590	0.149	5.400	1,129.847	2.00	6.382	1,129.484	-65.64	
-5.856	1,129.557	-66.67	-5.400	1,129.577	-2.00	21+20	1,129.685	1,129.474	0.211	5.400	1,129.793	2.00	6.416	1,129.408	-65.69	
-5.913	1,129.465	-66.67	-5.400	1,129.524	-2.00	21+30	1,129.632	1,129.392	0.240	5.400	1,129.740	2.00	6.487	1,129.307	-65.76	
-5.901	1,129.420	-66.67	-5.400	1,129.470	-2.00	21+40	1,129.578	1,129.328	0.251	5.400	1,129.686	2.00	6.529	1,129.225	-65.81	
-5.842	1,129.406	-66.67	-5.400	1,129.417	-2.00	21+50	1,129.525	1,129.315	0.209	5.400	1,129.633	2.00	6.463	1,129.215	-65.74	
-5.774	1,129.398	-66.67	-5.400	1,129.363	-2.00	21+60	1,129.471	1,129.310	0.161	5.400	1,129.579	2.00	6.387	1,129.213	-65.65	
-5.730	1,129.373	-66.67	-5.400	1,129.310	-2.00	21+70	1,129.418	1,129.288	0.130	5.400	1,129.526	2.00	6.336	1,129.193	-65.58	
-5.672	1,129.359	-66.67	-5.400	1,129.256	-2.00	21+80	1,129.364	1,129.272	0.093	5.400	1,129.472	2.00	6.282	1,129.175	-65.49	
-5.649	1,129.320	-66.67	-5.400	1,129.203	-2.00	21+90	1,129.311	1,129.235	0.076	5.400	1,129.419	2.00	6.255	1,129.140	-65.44	
-5.685	1,129.242	-66.67	-5.400	1,129.149	-2.00	22+00	1,129.257	1,129.151	0.106	5.400	1,129.365	2.00	6.297	1,129.058	-65.52	
-5.684	1,129.189	-66.67	-5.400	1,129.096	-2.00	22+10	1,129.204	1,129.092	0.112	5.400	1,129.312	2.00	6.319	1,128.991	-65.55	
-5.668	1,129.147	-66.67	-5.400	1,129.042	-2.00	22+20	1,129.150	1,129.042	0.108	5.400	1,129.258	2.00	6.340	1,128.923	-65.59	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.709	1,129.105	-65.38	-5.400	1,129.027	-1.30	22+30	1,129.097	1,128.987	0.110	5.400	1,129.167	1.30	6.301	1,128.856	-65.73	
-5.885	1,129.036	-64.90	-5.400	1,129.071	0.52	22+40	1,129.043	1,128.911	0.133	5.400	1,129.015	-0.52	6.186	1,128.777	-66.16	
-6.003	1,128.987	-64.68	-5.400	1,129.098	2.00	22+50	1,128.990	1,128.851	0.138	5.400	1,128.882	-2.00	6.076	1,128.714	-66.67	
-5.976	1,128.952	-64.54	-5.400	1,129.044	2.00	22+60	1,128.936	1,128.810	0.127	5.400	1,128.828	-2.00	6.069	1,128.665	-66.67	
-5.928	1,128.931	-64.23	-5.400	1,128.991	2.00	22+70	1,128.883	1,128.790	0.094	5.400	1,128.775	-2.00	6.018	1,128.647	-66.67	
-5.892	1,128.908	-63.92	-5.400	1,128.944	2.00	22+80	1,128.836	1,128.781	0.055	5.400	1,128.728	-2.00	5.937	1,128.654	-66.67	
-5.882	1,128.873	-63.83	-5.400	1,128.903	2.00	22+90	1,128.795	1,128.746	0.050	5.400	1,128.687	-2.00	5.931	1,128.617	-66.67	
-5.815	1,128.883	-62.95	-5.400	1,128.869	2.00	23+00	1,128.761	1,128.754	0.006	5.400	1,128.653	-2.00	5.868	1,128.624	-66.67	
-5.785	1,128.875	-62.34	-5.400	1,128.840	2.00	23+10	1,128.732	1,128.737	-0.005	5.400	1,128.624	-2.00	5.866	1,128.597	-66.67	
-5.788	1,128.851	-62.42	-5.400	1,128.818	2.00	23+20	1,128.710	1,128.712	-0.002	5.400	1,128.602	-2.00	5.870	1,128.572	-66.67	
-5.800	1,128.827	-62.66	-5.400	1,128.802	2.00	23+30	1,128.694	1,128.689	0.005	5.400	1,128.586	-2.00	5.881	1,128.549	-66.67	
-5.832	1,128.796	-63.22	-5.400	1,128.793	2.00	23+40	1,128.685	1,128.658	0.027	5.400	1,128.577	-2.00	5.912	1,128.518	-66.67	
-5.872	1,128.766	-63.73	-5.400	1,128.789	2.00	23+50	1,128.681	1,128.629	0.053	5.400	1,128.573	-2.00	5.950	1,128.490	-66.67	
-5.933	1,128.728	-64.26	-5.400	1,128.792	2.00	23+60	1,128.684	1,128.579	0.105	5.400	1,128.576	-2.00	6.044	1,128.431	-66.67	
-5.973	1,128.710	-64.52	-5.400	1,128.801	2.00	23+70	1,128.693	1,128.558	0.135	5.400	1,128.585	-2.00	6.100	1,128.402	-66.67	
-6.014	1,128.692	-64.73	-5.400	1,128.810	2.00	23+80	1,128.702	1,128.539	0.164	5.400	1,128.594	-2.00	6.130	1,128.391	-66.67	
-6.002	1,128.709	-64.68	-5.400	1,128.820	2.00	23+90	1,128.712	1,128.571	0.141	5.400	1,128.604	-2.00	6.084	1,128.431	-66.67	
-6.015	1,128.710	-64.74	-5.400	1,128.829	2.00	24+00	1,128.721	1,128.602	0.119	5.400	1,128.613	-2.00	6.005	1,128.493	-66.67	
-5.960	1,128.756	-64.44	-5.400	1,128.838	2.00	24+10	1,128.730	1,128.645	0.085	5.400	1,128.622	-2.00	5.956	1,128.535	-66.67	
-5.999	1,128.739	-64.66	-5.400	1,128.847	2.00	24+20	1,128.739	1,128.628	0.112	5.400	1,128.631	-2.00	5.998	1,128.516	-66.67	
-6.004	1,128.745	-64.69	-5.400	1,128.857	2.00	24+30	1,128.749	1,128.636	0.113	5.400	1,128.641	-2.00	5.984	1,128.535	-66.67	
-5.904	1,128.821	-64.04	-5.400	1,128.866	2.00	24+40	1,128.758	1,128.725	0.033	5.400	1,128.650	-2.00	5.879	1,128.614	-66.67	
-5.820	1,128.887	-63.03	-5.400	1,128.875	2.00	24+50	1,128.767	1,128.778	-0.011	5.400	1,128.659	-2.00	5.809	1,128.670	-66.67	
-5.812	1,128.901	-62.90	-5.400	1,128.885	2.00	24+60	1,128.777	1,128.792	-0.016	5.400	1,128.669	-2.00	5.802	1,128.684	-66.67	
-5.822	1,128.904	-63.07	-5.400	1,128.894	2.00	24+70	1,128.786	1,128.780	0.006	5.400	1,128.678	-2.00	5.860	1,128.654	-66.67	
-5.755	1,128.958	-61.51	-5.400	1,128.903	2.00	24+80	1,128.795	1,128.833	-0.037	5.400	1,128.687	-2.00	5.798	1,128.705	-66.67	
-5.775	1,128.954	-62.09	-5.400	1,128.913	2.00	24+90	1,128.805	1,128.811	-0.006	5.400	1,128.697	-2.00	5.864	1,128.671	-66.67	
-5.812	1,128.939	-62.89	-5.400	1,128.922	2.00	25+00	1,128.814	1,128.820	-0.006	5.400	1,128.706	-2.00	5.834	1,128.700	-66.67	
-5.848	1,128.923	-63.44	-5.400	1,128.931	2.00	25+10	1,128.823	1,128.804	0.018	5.400	1,128.715	-2.00	5.870	1,128.685	-66.67	
-5.814	1,128.950	-62.93	-5.400	1,128.935	2.00	25+20	1,128.827	1,128.832	-0.005	5.400	1,128.719	-2.00	5.844	1,128.707	-66.67	
-5.840	1,128.933	-63.33	-5.400	1,128.935	2.00	25+30	1,128.827	1,128.801	0.026	5.400	1,128.719	-2.00	5.902	1,128.668	-66.67	
-5.853	1,128.919	-63.51	-5.400	1,128.929	2.00	25+40	1,128.821	1,128.793	0.029	5.400	1,128.713	-2.00	5.897	1,128.666	-66.67	
-5.818	1,128.932	-63.00	-5.400	1,128.919	2.00	25+50	1,128.811	1,128.799	0.012	5.400	1,128.703	-2.00	5.882	1,128.665	-66.67	
-5.818	1,128.917	-63.00	-5.400	1,128.904	2.00	25+60	1,128.796	1,128.787	0.009	5.400	1,128.688	-2.00	5.873	1,128.656	-66.67	
-5.824	1,128.893	-63.09	-5.400	1,128.884	2.00	25+70	1,128.776	1,128.746	0.031	5.400	1,128.668	-2.00	5.935	1,128.595	-66.67	
-5.808	1,128.879	-62.82	-5.400	1,128.860	2.00	25+80	1,128.752	1,128.713	0.039	5.400	1,128.644	-2.00	5.983	1,128.538	-66.67	
-5.846	1,128.824	-63.41	-5.400	1,128.830	2.00	25+90	1,128.722	1,128.660	0.062	5.400	1,128.614	-2.00	6.012	1,128.489	-66.67	
-5.900	1,128.753	-64.00	-5.400	1,128.795	2.00	26+00	1,128.687	1,128.587	0.100	5.400	1,128.579	-2.00	6.061	1,128.422	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.871	1,128.734	-63.71	-5.400	1,128.757	2.00	26+10	1,128.649	1,128.594	0.055	5.400	1,128.541	-2.00	5.958	1,128.452	-66.67	
-5.923	1,128.660	-64.19	-5.400	1,128.717	2.00	26+20	1,128.609	1,128.519	0.090	5.400	1,128.501	-2.00	5.993	1,128.390	-66.67	
-5.836	1,128.679	-63.27	-5.400	1,128.678	2.00	26+30	1,128.570	1,128.535	0.035	5.400	1,128.462	-2.00	5.946	1,128.382	-66.67	
-5.887	1,128.605	-63.88	-5.400	1,128.639	2.00	26+40	1,128.531	1,128.400	0.130	5.400	1,128.423	-2.00	6.103	1,128.237	-66.67	
-5.892	1,128.563	-63.93	-5.400	1,128.599	2.00	26+50	1,128.491	1,128.338	0.154	5.400	1,128.383	-2.00	6.252	1,128.099	-66.67	
-5.855	1,128.548	-63.53	-5.400	1,128.560	2.00	26+60	1,128.452	1,128.271	0.181	5.400	1,128.344	-2.00	6.364	1,127.985	-66.67	
-5.981	1,128.424	-64.57	-5.400	1,128.521	2.00	26+70	1,128.413	1,128.157	0.255	5.400	1,128.305	-2.00	6.335	1,127.965	-66.67	
-5.989	1,128.380	-64.61	-5.400	1,128.481	2.00	26+80	1,128.373	1,128.157	0.216	5.400	1,128.265	-2.00	6.255	1,127.979	-66.67	
-6.022	1,128.319	-64.77	-5.400	1,128.442	2.00	26+90	1,128.334	1,128.136	0.198	5.400	1,128.226	-2.00	6.149	1,128.010	-66.67	
-6.180	1,128.174	-65.29	-5.400	1,128.403	2.00	27+00	1,128.295	1,128.015	0.280	5.400	1,128.187	-2.00	6.115	1,127.993	-66.67	
-6.102	1,128.186	-65.07	-5.400	1,128.363	2.00	27+10	1,128.255	1,127.991	0.264	5.400	1,128.147	-2.00	6.092	1,127.969	-66.67	
-5.950	1,128.249	-64.38	-5.400	1,128.324	2.00	27+20	1,128.216	1,128.085	0.131	5.400	1,128.108	-2.00	5.991	1,127.997	-66.67	
-5.663	1,128.506	112.72	-5.400	1,128.285	2.00	27+30	1,128.177	1,128.329	-0.153	5.400	1,128.069	-2.00	5.700	1,128.152	-66.67	
-5.713	1,128.519	107.10	-5.400	1,128.249	2.00	27+40	1,128.141	1,128.352	-0.211	5.400	1,128.033	-2.00				
-5.743	1,128.520	105.61	-5.400	1,128.220	2.00	27+50	1,128.112	1,128.355	-0.244	5.400	1,128.004	-2.00	5.640	1,128.193	100.00	
-5.631	1,128.335	-40.60	-5.400	1,128.198	2.00	27+60	1,128.090	1,128.212	-0.122	5.400	1,127.982	-2.00	5.665	1,128.088	-66.67	
-5.776	1,128.223	-62.13	-5.400	1,128.182	2.00	27+70	1,128.074	1,127.996	0.079	5.400	1,127.966	-2.00	5.823	1,127.967	-66.67	
-5.945	1,128.102	-64.35	-5.400	1,128.174	2.00	27+80	1,128.066	1,127.980	0.086	5.400	1,127.958	-2.00	5.824	1,127.959	-66.67	
-5.982	1,128.075	-64.58	-5.400	1,128.172	2.00	27+90	1,128.064	1,127.979	0.085	5.400	1,127.956	-2.00	5.793	1,127.978	-66.67	
-5.776	1,128.218	-62.12	-5.400	1,128.178	2.00	28+00	1,128.070	1,127.995	0.075	5.400	1,127.962	-2.00	5.803	1,127.976	-66.67	
-5.864	1,128.172	-63.64	-5.400	1,128.190	2.00	28+10	1,128.082	1,127.993	0.090	5.400	1,127.974	-2.00	5.801	1,127.990	-66.67	
-5.886	1,128.176	-63.87	-5.400	1,128.209	2.00	28+20	1,128.101	1,128.009	0.092	5.400	1,127.993	-2.00	5.735	1,128.053	-66.67	
-5.778	1,128.275	-62.16	-5.400	1,128.235	2.00	28+30	1,128.127	1,128.072	0.055	5.400	1,128.019	-2.00	5.781	1,128.048	-66.67	
-5.956	1,128.185	-64.42	-5.400	1,128.265	2.00	28+40	1,128.157	1,127.999	0.158	5.400	1,128.049	-2.00	5.906	1,127.994	-66.67	
-5.861	1,128.278	-63.60	-5.400	1,128.294	2.00	28+50	1,128.186	1,127.999	0.187	5.400	1,128.078	-2.00	5.958	1,127.990	-66.67	
-5.631	1,128.512	125.92	-5.400	1,128.324	2.00	28+60	1,128.216	1,128.174	0.042	5.400	1,128.108	-2.00	6.023	1,127.976	-66.67	
-5.683	1,128.456	-57.05	-5.400	1,128.353	2.00	28+70	1,128.245	1,128.104	0.141	5.400	1,128.137	-2.00	6.067	1,127.976	-66.67	
-5.846	1,128.377	-63.41	-5.400	1,128.382	2.00	28+80	1,128.274	1,127.995	0.280	5.400	1,128.166	-2.00	6.122	1,127.969	-66.67	
			-5.400	1,128.412	2.00	28+90	1,128.304	1,128.259	0.045	5.400	1,128.196	-2.00	6.129	1,127.993	-66.67	
-5.718	1,128.521	-59.86	-5.400	1,128.441	2.00	29+00	1,128.333	1,128.353	-0.019	5.400	1,128.225	-2.00	5.883	1,128.187	-66.67	
-5.625	1,128.654	132.17	-5.400	1,128.471	2.00	29+10	1,128.363	1,128.478	-0.115	5.400	1,128.255	-2.00	5.760	1,128.298	-66.67	
-5.641	1,128.700	119.32	-5.400	1,128.500	2.00	29+20	1,128.392	1,128.491	-0.099	5.400	1,128.284	-2.00	5.839	1,128.275	-66.67	
-5.684	1,128.632	-57.15	-5.400	1,128.530	2.00	29+30	1,128.422	1,128.413	0.008	5.400	1,128.314	-2.00	6.018	1,128.185	-66.67	
-5.647	1,128.686	-49.57	-5.400	1,128.559	2.00	29+40	1,128.451	1,128.499	-0.048	5.400	1,128.343	-2.00	5.883	1,128.304	-66.67	
-5.624	1,128.731	-33.12	-5.400	1,128.589	2.00	29+50	1,128.481	1,128.527	-0.046	5.400	1,128.373	-2.00	5.915	1,128.313	-66.67	
-5.694	1,128.713	-58.19	-5.400	1,128.618	2.00	29+60	1,128.510	1,128.537	-0.027	5.400	1,128.402	-2.00	5.889	1,128.359	-66.67	
-5.790	1,128.679	-62.46	-5.400	1,128.647	2.00	29+70	1,128.539	1,128.538	0.001	5.400	1,128.431	-2.00	5.921	1,128.367	-66.67	
-6.054	1,128.532	-64.91	-5.400	1,128.677	2.00	29+80	1,128.569	1,128.416	0.153	5.400	1,128.461	-2.00	6.089	1,128.285	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.290	1,128.404	-65.51	-5.400	1,128.706	2.00	29+90	1,128.598	1,128.254	0.345	5.400	1,128.490	-2.00	6.358	1,128.135	-66.67	
-6.368	1,128.382	-65.63	-5.400	1,128.736	2.00	30+00	1,128.628	1,128.194	0.434	5.400	1,128.520	-2.00	6.608	1,127.998	-66.67	
-6.092	1,128.590	-65.04	-5.400	1,128.761	2.00	30+10	1,128.653	1,128.404	0.249	5.400	1,128.545	-2.00	6.349	1,128.195	-66.67	
-5.993	1,128.672	-64.63	-5.400	1,128.776	2.00	30+20	1,128.668	1,128.499	0.169	5.400	1,128.560	-2.00	6.180	1,128.323	-66.67	
-5.852	1,128.772	-63.49	-5.400	1,128.782	2.00	30+30	1,128.674	1,128.604	0.070	5.400	1,128.566	-2.00	6.033	1,128.427	-66.67	
-5.794	1,128.808	-62.55	-5.400	1,128.779	2.00	30+40	1,128.671	1,128.634	0.037	5.400	1,128.563	-2.00	5.987	1,128.455	-66.67	
-5.747	1,128.827	-61.23	-5.400	1,128.767	2.00	30+50	1,128.659	1,128.658	0.001	5.400	1,128.551	-2.00	5.924	1,128.485	-66.67	
-5.939	1,128.677	-64.31	-5.400	1,128.745	2.00	30+60	1,128.637	1,128.473	0.164	5.400	1,128.529	-2.00	6.229	1,128.260	-66.67	
-6.278	1,128.420	-65.49	-5.400	1,128.714	2.00	30+70	1,128.606	1,128.084	0.522	5.400	1,128.498	-2.00	6.541	1,128.021	-66.67	
-6.391	1,128.305	-65.65	-5.400	1,128.674	2.00	30+80	1,128.566	1,127.992	0.574	5.400	1,128.458	-2.00	6.526	1,127.990	-66.67	
-6.301	1,128.315	-65.52	-5.400	1,128.624	2.00	30+90	1,128.516	1,127.995	0.521	5.400	1,128.408	-2.00	6.491	1,127.964	-66.67	
-6.125	1,128.373	-65.14	-5.400	1,128.565	2.00	31+00	1,128.457	1,127.995	0.463	5.400	1,128.349	-2.00	6.487	1,127.908	-66.67	
-6.153	1,128.291	-65.22	-5.400	1,128.502	2.00	31+10	1,128.394	1,127.976	0.417	5.400	1,128.286	-2.00	6.485	1,127.846	-66.67	
-6.250	1,128.163	-65.44	-5.400	1,128.438	2.00	31+20	1,128.330	1,127.934	0.396	5.400	1,128.222	-2.00	6.459	1,127.799	-66.67	
-6.421	1,127.985	-65.69	-5.400	1,128.374	2.00	31+30	1,128.266	1,127.860	0.406	5.400	1,128.158	-2.00	6.461	1,127.734	-66.67	
-6.425	1,127.919	-65.70	-5.400	1,128.311	2.00	31+40	1,128.203	1,127.799	0.404	5.400	1,128.095	-2.00	6.450	1,127.678	-66.67	
-6.395	1,127.875	-65.66	-5.400	1,128.247	2.00	31+50	1,128.139	1,127.755	0.384	5.400	1,128.031	-2.00	6.420	1,127.635	-66.67	
-6.344	1,127.846	-65.59	-5.400	1,128.184	2.00	31+60	1,128.076	1,127.725	0.351	5.400	1,127.968	-2.00	6.371	1,127.603	-66.67	
-6.244	1,127.849	-65.42	-5.400	1,128.120	2.00	31+70	1,128.012	1,127.712	0.300	5.400	1,127.904	-2.00	6.320	1,127.574	-66.67	
-6.161	1,127.841	-65.24	-5.400	1,128.056	2.00	31+80	1,127.948	1,127.708	0.240	5.400	1,127.840	-2.00	6.223	1,127.575	-66.67	
-6.084	1,127.828	-65.01	-5.400	1,127.993	2.00	31+90	1,127.885	1,127.698	0.187	5.400	1,127.777	-2.00	6.141	1,127.566	-66.67	
-6.048	1,127.789	-64.88	-5.400	1,127.929	2.00	32+00	1,127.821	1,127.663	0.159	5.400	1,127.713	-2.00	6.092	1,127.536	-66.67	
-5.956	1,127.786	-64.42	-5.400	1,127.866	2.00	32+10	1,127.758	1,127.658	0.099	5.400	1,127.650	-2.00	6.007	1,127.528	-66.67	
-5.803	1,127.825	-62.72	-5.400	1,127.802	2.00	32+20	1,127.694	1,127.696	-0.002	5.400	1,127.586	-2.00	5.854	1,127.567	-66.67	
-5.769	1,127.783	-61.95	-5.400	1,127.738	2.00	32+30	1,127.630	1,127.668	-0.037	5.400	1,127.522	-2.00	5.781	1,127.552	-66.67	
-5.902	1,127.631	-64.02	-5.400	1,127.675	2.00	32+40	1,127.567	1,127.521	0.046	5.400	1,127.459	-2.00	5.881	1,127.421	-66.67	
-5.990	1,127.509	-64.62	-5.400	1,127.611	2.00	32+50	1,127.503	1,127.418	0.085	5.400	1,127.395	-2.00	6.002	1,127.277	-66.67	
-6.074	1,127.390	-64.98	-5.400	1,127.548	2.00	32+60	1,127.440	1,127.277	0.163	5.400	1,127.332	-2.00	6.065	1,127.172	-66.67	
-6.075	1,127.325	-64.98	-5.400	1,127.484	2.00	32+70	1,127.376	1,127.214	0.162	5.400	1,127.268	-2.00	6.076	1,127.101	-66.67	
-6.099	1,127.246	-65.06	-5.400	1,127.421	2.00	32+80	1,127.313	1,127.135	0.178	5.400	1,127.205	-2.00	6.094	1,127.025	-66.67	
-6.023	1,127.230	-64.78	-5.400	1,127.354	2.00	32+90	1,127.246	1,127.112	0.134	5.400	1,127.138	-2.00	6.015	1,127.011	-66.67	
-5.956	1,127.202	-64.42	-5.400	1,127.282	2.00	33+00	1,127.174	1,127.086	0.088	5.400	1,127.066	-2.00	5.889	1,127.023	-66.67	
-5.919	1,127.149	-64.16	-5.400	1,127.203	2.00	33+10	1,127.095	1,127.033	0.062	5.400	1,126.987	-2.00	5.792	1,127.009	-66.67	
-5.965	1,127.034	-64.47	-5.400	1,127.119	2.00	33+20	1,127.011	1,126.999	0.013	5.400	1,126.903	-2.00	5.681	1,126.999	-66.67	
-5.881	1,127.000	-63.82	-5.400	1,127.029	2.00	33+30	1,126.921	1,126.995	-0.074	5.400	1,126.813	-2.00	5.698	1,126.898	-66.67	
-5.775	1,126.974	-62.09	-5.400	1,126.933	2.00	33+40	1,126.825	1,126.843	-0.018	5.400	1,126.717	-2.00	5.834	1,126.711	-66.67	
-5.737	1,126.898	-60.81	-5.400	1,126.831	2.00	33+50	1,126.723	1,126.719	0.005	5.400	1,126.615	-2.00	5.950	1,126.532	-66.67	
-5.761	1,126.774	-61.69	-5.400	1,126.724	2.00	33+60	1,126.616	1,126.622	-0.007	5.400	1,126.508	-2.00	5.876	1,126.473	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.647	1,126.736	-49.78	-5.400	1,126.610	2.00	33+70	1,126.502	1,126.567	-0.065	5.400	1,126.394	-2.00	5.829	1,126.392	-66.67	
-5.972	1,126.400	-64.52	-5.400	1,126.490	2.00	33+80	1,126.382	1,126.155	0.228	5.400	1,126.274	-2.00	6.167	1,126.047	-66.67	
-6.119	1,126.180	-65.13	-5.400	1,126.368	2.00	33+90	1,126.260	1,125.978	0.282	5.400	1,126.152	-2.00	6.272	1,125.854	-66.67	
-6.215	1,125.993	-65.37	-5.400	1,126.246	2.00	34+00	1,126.138	1,125.838	0.300	5.400	1,126.030	-2.00	6.352	1,125.678	-66.67	
-6.142	1,125.919	-65.19	-5.400	1,126.123	2.00	34+10	1,126.015	1,125.764	0.251	5.400	1,125.907	-2.00	6.267	1,125.613	-66.67	
-6.035	1,125.869	-64.83	-5.400	1,126.001	2.00	34+20	1,125.893	1,125.708	0.185	5.400	1,125.785	-2.00	6.187	1,125.543	-66.67	
-5.915	1,125.826	-64.13	-5.400	1,125.878	2.00	34+30	1,125.770	1,125.651	0.119	5.400	1,125.662	-2.00	6.113	1,125.470	-66.67	
-5.890	1,125.721	-63.90	-5.400	1,125.756	2.00	34+40	1,125.648	1,125.569	0.078	5.400	1,125.540	-2.00	6.043	1,125.395	-66.67	
-5.963	1,125.549	-64.46	-5.400	1,125.633	2.00	34+50	1,125.525	1,125.396	0.130	5.400	1,125.417	-2.00	6.088	1,125.242	-66.67	
-5.915	1,125.459	-64.13	-5.400	1,125.511	2.00	34+60	1,125.403	1,125.279	0.124	5.400	1,125.295	-2.00	6.127	1,125.093	-66.67	
-5.764	1,125.437	-61.78	-5.400	1,125.388	2.00	34+70	1,125.280	1,125.293	-0.013	5.400	1,125.172	-2.00	5.877	1,125.138	-66.67	
-5.798	1,125.292	-62.63	-5.400	1,125.266	2.00	34+80	1,125.158	1,125.165	-0.007	5.400	1,125.050	-2.00	5.861	1,125.026	-66.67	
-5.882	1,125.113	-63.83	-5.400	1,125.144	2.00	34+90	1,125.036	1,125.011	0.024	5.400	1,124.928	-2.00	5.676	1,125.027	-66.67	
-5.894	1,124.983	-63.95	-5.400	1,125.021	2.00	35+00	1,124.913	1,124.983	-0.070	5.400	1,124.805	-2.00	5.649	1,125.004	100.00	
-5.746	1,124.959	-61.18	-5.400	1,124.899	2.00	35+10	1,124.791	1,124.937	-0.146	5.400	1,124.683	-2.00	5.738	1,124.971	100.00	
			-5.400	1,124.776	2.00	35+20	1,124.668	1,124.904	-0.236	5.400	1,124.560	-2.00	5.821	1,124.932	100.00	
-5.697	1,124.747	-58.41	-5.400	1,124.654	2.00	35+30	1,124.546	1,124.714	-0.168	5.400	1,124.438	-2.00	5.730	1,124.718	100.00	
-5.804	1,124.553	-62.75	-5.400	1,124.531	2.00	35+40	1,124.423	1,124.431	-0.008	5.400	1,124.315	-2.00	5.807	1,124.327	-66.67	
			-5.400	1,124.409	2.00	35+50	1,124.301	1,124.434	-0.133	5.400	1,124.193	-2.00	5.681	1,124.289	-66.67	
-5.648	1,124.492	116.73	-5.400	1,124.286	2.00	35+60	1,124.178	1,124.331	-0.153	5.400	1,124.070	-2.00	5.677	1,124.169	-66.67	
-5.699	1,124.421	108.10	-5.400	1,124.164	2.00	35+70	1,124.056	1,124.207	-0.151	5.400	1,123.948	-2.00	5.759	1,123.992	-66.67	
-5.878	1,124.014	-63.79	-5.400	1,124.042	2.00	35+80	1,123.934	1,123.930	0.003	5.400	1,123.826	-2.00	5.772	1,123.861	-66.67	
-5.898	1,123.878	-63.99	-5.400	1,123.919	2.00	35+90	1,123.811	1,123.774	0.037	5.400	1,123.703	-2.00	5.831	1,123.699	-66.67	
-5.852	1,123.786	-63.50	-5.400	1,123.797	2.00	36+00	1,123.689	1,123.650	0.038	5.400	1,123.581	-2.00	5.883	1,123.542	-66.67	
-5.769	1,123.719	-61.94	-5.400	1,123.674	2.00	36+10	1,123.566	1,123.582	-0.016	5.400	1,123.458	-2.00	5.872	1,123.427	-66.67	
-5.816	1,123.565	-62.97	-5.400	1,123.552	2.00	36+20	1,123.444	1,123.464	-0.020	5.400	1,123.336	-2.00	5.814	1,123.343	-66.67	
-5.954	1,123.351	-64.41	-5.400	1,123.429	2.00	36+30	1,123.321	1,123.229	0.092	5.400	1,123.213	-2.00	5.944	1,123.134	-66.67	
-6.047	1,123.167	-64.88	-5.400	1,123.307	2.00	36+40	1,123.199	1,123.015	0.184	5.400	1,123.091	-2.00	6.088	1,122.916	-66.67	
-6.070	1,123.029	-64.96	-5.400	1,123.184	2.00	36+50	1,123.076	1,122.919	0.157	5.400	1,122.968	-2.00	6.081	1,122.797	-66.67	
-6.003	1,122.951	-64.68	-5.400	1,123.062	2.00	36+60	1,122.954	1,122.839	0.115	5.400	1,122.846	-2.00	6.016	1,122.719	-66.67	
-5.971	1,122.850	-64.51	-5.400	1,122.940	2.00	36+70	1,122.832	1,122.751	0.081	5.400	1,122.724	-2.00	5.972	1,122.626	-66.67	
-5.935	1,122.752	-64.28	-5.400	1,122.817	2.00	36+80	1,122.709	1,122.647	0.062	5.400	1,122.601	-2.00	5.920	1,122.538	-66.67	
-5.882	1,122.664	-63.83	-5.400	1,122.695	2.00	36+90	1,122.587	1,122.570	0.017	5.400	1,122.479	-2.00	5.832	1,122.474	-66.67	
-5.869	1,122.551	-63.70	-5.400	1,122.572	2.00	37+00	1,122.464	1,122.451	0.013	5.400	1,122.356	-2.00	5.797	1,122.375	-66.67	
-5.816	1,122.464	-62.96	-5.400	1,122.450	2.00	37+10	1,122.342	1,122.362	-0.020	5.400	1,122.234	-2.00	5.788	1,122.258	-66.67	
-5.829	1,122.333	-63.17	-5.400	1,122.327	2.00	37+20	1,122.219	1,122.250	-0.031	5.400	1,122.111	-2.00	5.739	1,122.169	-66.67	
-5.916	1,122.152	-64.13	-5.400	1,122.205	2.00	37+30	1,122.097	1,122.087	0.010	5.400	1,121.989	-2.00	5.778	1,122.020	-66.67	
-5.977	1,121.989	-64.54	-5.400	1,122.082	2.00	37+40	1,121.974	1,121.984	-0.010	5.400	1,121.866	-2.00	5.701	1,121.949	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.909	1,121.912	-64.08	-5.400	1,121.960	2.00	37+50	1,121.852	1,121.813	0.039	5.400	1,121.744	-2.00	5.846	1,121.730	-66.67	
-5.958	1,121.757	-64.43	-5.400	1,121.838	2.00	37+60	1,121.730	1,121.647	0.083	5.400	1,121.622	-2.00	5.952	1,121.537	-66.67	
-5.879	1,121.687	-63.80	-5.400	1,121.715	2.00	37+70	1,121.607	1,121.551	0.056	5.400	1,121.499	-2.00	5.953	1,121.414	-66.67	
-5.968	1,121.505	-64.50	-5.400	1,121.593	2.00	37+80	1,121.485	1,121.396	0.088	5.400	1,121.377	-2.00	5.966	1,121.282	-66.67	
-5.991	1,121.368	-64.62	-5.400	1,121.470	2.00	37+90	1,121.362	1,121.196	0.166	5.400	1,121.254	-2.00	6.057	1,121.100	-66.67	
-5.862	1,121.331	-63.62	-5.400	1,121.348	2.00	38+00	1,121.240	1,121.145	0.094	5.400	1,121.132	-2.00	6.026	1,120.998	-66.67	
-5.808	1,121.245	-62.81	-5.400	1,121.225	2.00	38+10	1,121.117	1,121.094	0.024	5.400	1,121.009	-2.00	5.853	1,120.990	-66.67	
-5.866	1,121.083	-63.66	-5.400	1,121.103	2.00	38+20	1,120.995	1,120.991	0.004	5.400	1,120.887	-2.00	5.845	1,120.873	-66.67	
-5.871	1,120.958	-63.71	-5.400	1,120.980	2.00	38+30	1,120.872	1,120.830	0.042	5.400	1,120.764	-2.00	5.887	1,120.723	-66.67	
-5.832	1,120.861	-63.21	-5.400	1,120.858	2.00	38+40	1,120.750	1,120.720	0.030	5.400	1,120.642	-2.00	5.912	1,120.584	-66.67	
-5.709	1,120.821	-59.33	-5.400	1,120.736	2.00	38+50	1,120.628	1,120.671	-0.043	5.400	1,120.520	-2.00	5.828	1,120.518	-66.67	
-5.653	1,120.736	-51.48	-5.400	1,120.613	2.00	38+60	1,120.505	1,120.582	-0.077	5.400	1,120.397	-2.00	5.784	1,120.424	-66.67	
-5.631	1,120.628	-40.73	-5.400	1,120.491	2.00	38+70	1,120.383	1,120.496	-0.113	5.400	1,120.275	-2.00	5.702	1,120.357	-66.67	
-5.754	1,120.427	-61.46	-5.400	1,120.371	2.00	38+80	1,120.263	1,120.298	-0.035	5.400	1,120.155	-2.00	5.760	1,120.199	-66.67	
-5.806	1,120.275	-62.78	-5.400	1,120.255	2.00	38+90	1,120.147	1,120.120	0.027	5.400	1,120.039	-2.00	5.900	1,119.989	-66.67	
-5.829	1,120.146	-63.17	-5.400	1,120.140	2.00	39+00	1,120.032	1,119.997	0.035	5.400	1,119.924	-2.00	5.896	1,119.877	-66.67	
-5.860	1,120.014	-63.59	-5.400	1,120.029	2.00	39+10	1,119.921	1,119.888	0.033	5.400	1,119.813	-2.00	5.885	1,119.773	-66.67	
-5.847	1,119.914	-63.43	-5.400	1,119.921	2.00	39+20	1,119.813	1,119.780	0.032	5.400	1,119.705	-2.00	5.907	1,119.650	-66.67	
-5.821	1,119.826	-63.04	-5.400	1,119.815	2.00	39+30	1,119.707	1,119.695	0.012	5.400	1,119.599	-2.00	5.885	1,119.559	-66.67	
-5.797	1,119.739	-62.61	-5.400	1,119.712	2.00	39+40	1,119.604	1,119.601	0.003	5.400	1,119.496	-2.00	5.886	1,119.455	-66.67	
-5.775	1,119.654	-62.09	-5.400	1,119.612	2.00	39+50	1,119.504	1,119.504	0.000	5.400	1,119.396	-2.00	5.893	1,119.351	-66.67	
-5.727	1,119.588	-60.38	-5.400	1,119.515	2.00	39+60	1,119.407	1,119.454	-0.047	5.400	1,119.299	-2.00	5.814	1,119.306	-66.67	
-5.672	1,119.530	-55.50	-5.400	1,119.420	2.00	39+70	1,119.312	1,119.398	-0.086	5.400	1,119.204	-2.00	5.740	1,119.261	-66.67	
-5.694	1,119.421	-58.13	-5.400	1,119.325	2.00	39+80	1,119.217	1,119.299	-0.081	5.400	1,119.109	-2.00	5.718	1,119.181	-66.67	
-5.750	1,119.289	-61.32	-5.400	1,119.231	2.00	39+90	1,119.123	1,119.177	-0.054	5.400	1,119.015	-2.00	5.755	1,119.062	-66.67	
-5.880	1,119.108	-63.81	-5.400	1,119.136	2.00	40+00	1,119.028	1,119.017	0.011	5.400	1,118.920	-2.00	5.700	1,119.004	-66.67	
-5.915	1,118.990	-64.13	-5.400	1,119.042	2.00	40+10	1,118.934	1,118.899	0.035	5.400	1,118.826	-2.00	5.840	1,118.816	-66.67	
-5.912	1,118.898	-64.10	-5.400	1,118.948	2.00	40+20	1,118.840	1,118.783	0.056	5.400	1,118.732	-2.00	5.918	1,118.669	-66.67	
-5.840	1,118.851	-63.33	-5.400	1,118.853	2.00	40+30	1,118.745	1,118.731	0.014	5.400	1,118.637	-2.00	5.866	1,118.610	-66.67	
-5.705	1,118.846	-59.06	-5.400	1,118.759	2.00	40+40	1,118.651	1,118.713	-0.063	5.400	1,118.543	-2.00	5.770	1,118.579	-66.67	
-5.658	1,118.783	-52.95	-5.400	1,118.664	2.00	40+50	1,118.556	1,118.634	-0.078	5.400	1,118.448	-2.00	5.745	1,118.502	-66.67	
-5.627	1,118.709	-37.52	-5.400	1,118.570	2.00	40+60	1,118.462	1,118.551	-0.090	5.400	1,118.354	-2.00	5.736	1,118.413	-66.67	
-5.617	1,118.622	-19.01	-5.400	1,118.475	2.00	40+70	1,118.367	1,118.470	-0.103	5.400	1,118.259	-2.00	5.737	1,118.318	-66.67	
-5.638	1,118.513	-45.79	-5.400	1,118.381	2.00	40+80	1,118.273	1,118.362	-0.089	5.400	1,118.165	-2.00	5.760	1,118.208	-66.67	
-5.653	1,118.409	-51.47	-5.400	1,118.286	2.00	40+90	1,118.178	1,118.253	-0.075	5.400	1,118.070	-2.00	5.790	1,118.093	-66.67	
-5.674	1,118.300	-55.86	-5.400	1,118.192	2.00	41+00	1,118.084	1,118.152	-0.068	5.400	1,117.976	-2.00	5.789	1,118.000	-66.67	
-5.716	1,118.178	-59.78	-5.400	1,118.097	2.00	41+10	1,117.989	1,118.049	-0.060	5.400	1,117.881	-2.00	5.765	1,117.921	-66.67	
-5.739	1,118.068	-60.93	-5.400	1,118.003	2.00	41+20	1,117.895	1,117.932	-0.038	5.400	1,117.787	-2.00	5.809	1,117.797	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.725	1,117.983	-60.25	-5.400	1,117.908	2.00	41+30	1,117.800	1,117.852	-0.052	5.400	1,117.692	-2.00	5.783	1,117.720	-66.67	
-5.689	1,117.913	-57.63	-5.400	1,117.814	2.00	41+40	1,117.706	1,117.790	-0.084	5.400	1,117.598	-2.00	5.728	1,117.662	-66.67	
-5.655	1,117.840	-52.12	-5.400	1,117.719	2.00	41+50	1,117.611	1,117.723	-0.112	5.400	1,117.503	-2.00	5.675	1,117.603	-66.67	
			-5.400	1,117.625	2.00	41+60	1,117.517	1,117.657	-0.140	5.400	1,117.409	-2.00	5.652	1,117.524	-66.67	
-5.624	1,117.712	133.36	-5.400	1,117.530	2.00	41+70	1,117.422	1,117.592	-0.170	5.400	1,117.314	-2.00				
-5.630	1,117.623	126.89	-5.400	1,117.436	2.00	41+80	1,117.328	1,117.478	-0.150	5.400	1,117.220	-2.00	5.662	1,117.328	-66.67	
-5.618	1,117.487	-21.95	-5.400	1,117.341	2.00	41+90	1,117.233	1,117.361	-0.128	5.400	1,117.125	-2.00	5.665	1,117.232	-66.67	
-5.662	1,117.363	-53.72	-5.400	1,117.247	2.00	42+00	1,117.139	1,117.242	-0.103	5.400	1,117.031	-2.00	5.705	1,117.111	-66.67	
-5.751	1,117.209	-61.37	-5.400	1,117.152	2.00	42+10	1,117.044	1,117.094	-0.049	5.400	1,116.936	-2.00	5.762	1,116.978	-66.67	
-5.861	1,117.041	-63.61	-5.400	1,117.058	2.00	42+20	1,116.950	1,116.936	0.014	5.400	1,116.842	-2.00	5.830	1,116.838	-66.67	
-5.924	1,116.905	-64.20	-5.400	1,116.963	2.00	42+30	1,116.855	1,116.801	0.053	5.400	1,116.747	-2.00	5.898	1,116.698	-66.67	
-5.876	1,116.839	-63.77	-5.400	1,116.865	2.00	42+40	1,116.757	1,116.718	0.039	5.400	1,116.649	-2.00	5.904	1,116.596	-66.67	
-5.845	1,116.760	-63.41	-5.400	1,116.765	2.00	42+50	1,116.657	1,116.639	0.019	5.400	1,116.549	-2.00	5.870	1,116.519	-66.67	
-5.800	1,116.687	-62.67	-5.400	1,116.662	2.00	42+60	1,116.554	1,116.561	-0.007	5.400	1,116.446	-2.00	5.836	1,116.438	-66.67	
-5.774	1,116.598	-62.06	-5.400	1,116.556	2.00	42+70	1,116.448	1,116.483	-0.035	5.400	1,116.340	-2.00	5.791	1,116.363	-66.67	
-5.789	1,116.479	-62.44	-5.400	1,116.447	2.00	42+80	1,116.339	1,116.376	-0.036	5.400	1,116.231	-2.00	5.780	1,116.261	-66.67	
-5.804	1,116.358	-62.74	-5.400	1,116.336	2.00	42+90	1,116.228	1,116.248	-0.021	5.400	1,116.120	-2.00	5.796	1,116.139	-66.67	
-5.762	1,116.271	-61.73	-5.400	1,116.221	2.00	43+00	1,116.113	1,116.145	-0.032	5.400	1,116.005	-2.00	5.806	1,116.018	-66.67	
-5.733	1,116.173	-60.66	-5.400	1,116.104	2.00	43+10	1,115.996	1,116.059	-0.063	5.400	1,115.888	-2.00	5.740	1,115.944	-66.67	
-5.716	1,116.064	-59.77	-5.400	1,115.983	2.00	43+20	1,115.875	1,115.948	-0.073	5.400	1,115.767	-2.00	5.715	1,115.841	-66.67	
-5.727	1,115.933	-60.38	-5.400	1,115.860	2.00	43+30	1,115.752	1,115.822	-0.070	5.400	1,115.644	-2.00	5.733	1,115.706	-66.67	
-5.752	1,115.794	-61.40	-5.400	1,115.737	2.00	43+40	1,115.629	1,115.677	-0.048	5.400	1,115.521	-2.00	5.760	1,115.564	-66.67	
-5.762	1,115.664	-61.72	-5.400	1,115.614	2.00	43+50	1,115.506	1,115.563	-0.057	5.400	1,115.398	-2.00	5.764	1,115.438	-66.67	
-5.773	1,115.534	-62.03	-5.400	1,115.491	2.00	43+60	1,115.383	1,115.425	-0.042	5.400	1,115.275	-2.00	5.762	1,115.317	-66.67	
-5.814	1,115.383	-62.93	-5.400	1,115.368	2.00	43+70	1,115.260	1,115.283	-0.024	5.400	1,115.152	-2.00	5.776	1,115.184	-66.67	
-5.851	1,115.235	-63.48	-5.400	1,115.244	2.00	43+80	1,115.136	1,115.127	0.010	5.400	1,115.028	-2.00	5.830	1,115.025	-66.67	
-5.817	1,115.135	-62.98	-5.400	1,115.121	2.00	43+90	1,115.013	1,115.012	0.001	5.400	1,114.905	-2.00	5.816	1,114.911	-66.67	
-5.753	1,115.054	-61.43	-5.400	1,114.998	2.00	44+00	1,114.890	1,114.936	-0.046	5.400	1,114.782	-2.00	5.774	1,114.816	-66.67	
-5.715	1,114.956	-59.74	-5.400	1,114.875	2.00	44+10	1,114.767	1,114.845	-0.078	5.400	1,114.659	-2.00	5.715	1,114.732	-66.67	
-5.750	1,114.809	-61.34	-5.400	1,114.752	2.00	44+20	1,114.644	1,114.714	-0.070	5.400	1,114.536	-2.00	5.707	1,114.614	-66.67	
-5.796	1,114.656	-62.59	-5.400	1,114.628	2.00	44+30	1,114.520	1,114.564	-0.044	5.400	1,114.412	-2.00	5.740	1,114.469	-66.67	
-5.859	1,114.490	-63.58	-5.400	1,114.505	2.00	44+40	1,114.397	1,114.409	-0.012	5.400	1,114.289	-2.00	5.787	1,114.315	-66.67	
-5.902	1,114.339	-64.01	-5.400	1,114.382	2.00	44+50	1,114.274	1,114.242	0.032	5.400	1,114.166	-2.00	5.830	1,114.163	-66.67	
-5.887	1,114.225	-63.88	-5.400	1,114.259	2.00	44+60	1,114.151	1,114.127	0.024	5.400	1,114.043	-2.00	5.847	1,114.028	-66.67	
-5.925	1,114.075	-64.20	-5.400	1,114.133	2.00	44+70	1,114.025	1,113.997	0.028	5.400	1,113.917	-2.00	5.825	1,113.917	-66.67	
-5.890	1,113.969	-63.90	-5.400	1,114.004	2.00	44+80	1,113.896	1,113.850	0.046	5.400	1,113.788	-2.00	5.888	1,113.745	-66.67	
-5.842	1,113.866	-63.37	-5.400	1,113.870	2.00	44+90	1,113.762	1,113.729	0.032	5.400	1,113.654	-2.00	5.860	1,113.630	-66.67	
-5.765	1,113.779	-61.82	-5.400	1,113.731	2.00	45+00	1,113.623	1,113.637	-0.014	5.400	1,113.515	-2.00	5.855	1,113.495	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.706	1,113.676	-59.11	-5.400	1,113.588	2.00	45+10	1,113.480	1,113.535	-0.054	5.400	1,113.372	-2.00	5.781	1,113.402	-66.67	
-5.697	1,113.535	-58.39	-5.400	1,113.441	2.00	45+20	1,113.333	1,113.405	-0.072	5.400	1,113.225	-2.00	5.752	1,113.274	-66.67	
-5.808	1,113.309	-62.83	-5.400	1,113.290	2.00	45+30	1,113.182	1,113.212	-0.030	5.400	1,113.074	-2.00	5.790	1,113.097	-66.67	
-5.962	1,113.051	-64.46	-5.400	1,113.134	2.00	45+40	1,113.026	1,112.984	0.042	5.400	1,112.918	-2.00	5.833	1,112.913	-66.67	
-5.969	1,112.886	-64.50	-5.400	1,112.974	2.00	45+50	1,112.866	1,112.803	0.063	5.400	1,112.758	-2.00	5.866	1,112.731	-66.67	
-5.935	1,112.744	-64.28	-5.400	1,112.809	2.00	45+60	1,112.701	1,112.642	0.059	5.400	1,112.593	-2.00	5.879	1,112.557	-66.67	
-5.830	1,112.648	-63.19	-5.400	1,112.643	2.00	45+70	1,112.535	1,112.514	0.020	5.400	1,112.427	-2.00	5.865	1,112.400	-66.67	
-5.813	1,112.492	-62.91	-5.400	1,112.476	2.00	45+80	1,112.368	1,112.362	0.006	5.400	1,112.260	-2.00	5.811	1,112.269	-66.67	
-5.889	1,112.275	-63.90	-5.400	1,112.309	2.00	45+90	1,112.201	1,112.180	0.022	5.400	1,112.093	-2.00	5.848	1,112.078	-66.67	
-5.939	1,112.075	-64.31	-5.400	1,112.143	2.00	46+00	1,112.035	1,111.949	0.086	5.400	1,111.927	-2.00	5.891	1,111.883	-66.67	
-5.906	1,111.930	-64.05	-5.400	1,111.976	2.00	46+10	1,111.868	1,111.827	0.041	5.400	1,111.760	-2.00	5.882	1,111.722	-66.67	
-5.875	1,111.784	-63.76	-5.400	1,111.809	2.00	46+20	1,111.701	1,111.675	0.027	5.400	1,111.593	-2.00	5.808	1,111.605	-66.67	
-5.835	1,111.644	-63.26	-5.400	1,111.643	2.00	46+30	1,111.535	1,111.531	0.004	5.400	1,111.427	-2.00	5.834	1,111.421	-66.67	
-5.888	1,111.442	-63.89	-5.400	1,111.476	2.00	46+40	1,111.368	1,111.360	0.008	5.400	1,111.260	-2.00	5.797	1,111.279	-66.67	
-5.967	1,111.222	-64.49	-5.400	1,111.309	2.00	46+50	1,111.201	1,111.139	0.062	5.400	1,111.093	-2.00	5.880	1,111.057	-66.67	
-6.052	1,111.000	-64.90	-5.400	1,111.143	2.00	46+60	1,111.035	1,110.978	0.057	5.400	1,110.927	-2.00	5.858	1,110.905	-66.67	
-5.952	1,110.899	-64.39	-5.400	1,110.976	2.00	46+70	1,110.868	1,110.818	0.049	5.400	1,110.760	-2.00	5.848	1,110.744	-66.67	
-5.929	1,110.743	-64.23	-5.400	1,110.804	2.00	46+80	1,110.696	1,110.663	0.033	5.400	1,110.588	-2.00	5.831	1,110.584	-66.67	
-5.898	1,110.587	-63.99	-5.400	1,110.628	2.00	46+90	1,110.520	1,110.507	0.013	5.400	1,110.412	-2.00	5.800	1,110.428	-66.67	
-5.861	1,110.431	-63.60	-5.400	1,110.447	2.00	47+00	1,110.339	1,110.352	-0.012	5.400	1,110.231	-2.00	5.762	1,110.273	-66.67	
-5.851	1,110.252	-63.48	-5.400	1,110.262	2.00	47+10	1,110.154	1,110.196	-0.042	5.400	1,110.046	-2.00	5.716	1,110.118	-66.67	
-5.907	1,110.024	-64.06	-5.400	1,110.071	2.00	47+20	1,109.963	1,110.026	-0.062	5.400	1,109.855	-2.00	5.663	1,109.964	-66.67	
-5.961	1,109.794	-64.45	-5.400	1,109.876	2.00	47+30	1,109.768	1,109.800	-0.032	5.400	1,109.660	-2.00	5.616	1,109.799	-66.67	
-5.944	1,109.605	-64.34	-5.400	1,109.677	2.00	47+40	1,109.569	1,109.570	-0.001	5.400	1,109.461	-2.00	5.655	1,109.574	-66.67	
-5.922	1,109.415	-64.19	-5.400	1,109.472	2.00	47+50	1,109.364	1,109.339	0.025	5.400	1,109.256	-2.00	5.691	1,109.345	-66.67	
-5.932	1,109.199	-64.26	-5.400	1,109.263	2.00	47+60	1,109.155	1,109.148	0.007	5.400	1,109.047	-2.00	5.723	1,109.115	-66.67	
-5.927	1,108.989	-64.22	-5.400	1,109.050	2.00	47+70	1,108.942	1,108.954	-0.013	5.400	1,108.834	-2.00	5.749	1,108.884	-66.67	
-5.921	1,108.780	-64.17	-5.400	1,108.836	2.00	47+80	1,108.728	1,108.738	-0.010	5.400	1,108.620	-2.00	5.715	1,108.693	-66.67	
-5.915	1,108.570	-64.12	-5.400	1,108.622	2.00	47+90	1,108.514	1,108.528	-0.014	5.400	1,108.406	-2.00	5.692	1,108.494	-66.67	
-5.909	1,108.360	-64.07	-5.400	1,108.408	2.00	48+00	1,108.300	1,108.318	-0.018	5.400	1,108.192	-2.00	5.696	1,108.278	-66.67	
-5.902	1,108.150	-64.02	-5.400	1,108.194	2.00	48+10	1,108.086	1,108.108	-0.023	5.400	1,107.978	-2.00	5.690	1,108.068	-66.67	
-5.896	1,107.940	-63.97	-5.400	1,107.980	2.00	48+20	1,107.872	1,107.899	-0.027	5.400	1,107.764	-2.00	5.683	1,107.858	-66.67	
-5.890	1,107.731	-63.91	-5.400	1,107.766	2.00	48+30	1,107.658	1,107.689	-0.031	5.400	1,107.550	-2.00	5.677	1,107.649	-66.67	
-5.884	1,107.521	-63.85	-5.400	1,107.552	2.00	48+40	1,107.444	1,107.479	-0.035	5.400	1,107.336	-2.00	5.671	1,107.439	-66.67	
-5.878	1,107.311	-63.79	-5.400	1,107.338	2.00	48+50	1,107.230	1,107.269	-0.039	5.400	1,107.122	-2.00	5.664	1,107.229	-66.67	
-5.871	1,107.101	-63.72	-5.400	1,107.124	2.00	48+60	1,107.016	1,107.060	-0.043	5.400	1,106.908	-2.00	5.658	1,107.019	-66.67	
-5.865	1,106.891	-63.65	-5.400	1,106.910	2.00	48+70	1,106.802	1,106.850	-0.048	5.400	1,106.694	-2.00	5.652	1,106.810	-66.67	
-5.859	1,106.682	-63.58	-5.400	1,106.696	2.00	48+80	1,106.588	1,106.640	-0.052	5.400	1,106.480	-2.00	5.646	1,106.600	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.853	1,106.472	-63.50	-5.400	1,106.482	2.00	48+90	1,106.374	1,106.430	-0.056	5.400	1,106.266	-2.00	5.639	1,106.390	-66.67	
-5.847	1,106.262	-63.42	-5.400	1,106.269	2.00	49+00	1,106.161	1,106.221	-0.060	5.400	1,106.053	-2.00	5.633	1,106.181	-66.67	
-5.841	1,106.052	-63.34	-5.400	1,106.055	2.00	49+10	1,105.947	1,106.011	-0.064	5.400	1,105.839	-2.00	5.627	1,105.971	-66.67	
-5.834	1,105.842	-63.25	-5.400	1,105.841	2.00	49+20	1,105.733	1,105.801	-0.068	5.400	1,105.625	-2.00	5.620	1,105.761	-66.67	
-5.828	1,105.633	-63.16	-5.400	1,105.627	2.00	49+30	1,105.519	1,105.591	-0.073	5.400	1,105.411	-2.00	5.614	1,105.551	-66.67	
-5.877	1,105.386	-63.78	-5.400	1,105.413	2.00	49+40	1,105.305	1,105.381	-0.077	5.400	1,105.197	-2.00	5.608	1,105.342	-66.67	
-5.939	1,105.149	-64.31	-5.400	1,105.217	2.00	49+49.147	1,105.109	1,105.109	0.000	5.400	1,105.001	-2.00	5.666	1,105.107	-66.67	

EIXO 03

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.893	1,111.903	-63.94	-5.400	1,111.941	2.00	0+00	1,111.833	1,111.833	0.000	5.400	1,111.725	-2.00	5.753	1,111.773	-66.67	
-5.900	1,111.791	-64.00	-5.400	1,111.833	2.00	0+10	1,111.725	1,111.707	0.018	5.400	1,111.617	-2.00	5.796	1,111.637	-66.67	
-5.900	1,111.681	-64.00	-5.400	1,111.723	2.00	0+20	1,111.615	1,111.596	0.019	5.400	1,111.507	-2.00	5.817	1,111.513	-66.67	
-5.766	1,111.637	-61.86	-5.400	1,111.590	2.00	0+30	1,111.482	1,111.512	-0.031	5.400	1,111.374	-2.00	5.781	1,111.403	-66.67	
-5.890	1,111.395	-63.91	-5.400	1,111.431	2.00	0+40	1,111.323	1,111.337	-0.014	5.400	1,111.215	-2.00	5.735	1,111.275	-66.67	
-5.851	1,111.237	-63.47	-5.400	1,111.246	2.00	0+50	1,111.138	1,111.106	0.032	5.400	1,111.030	-2.00	5.829	1,111.027	-66.67	
-5.902	1,111.028	-63.62	-5.400	1,111.071	2.60	0+60	1,110.930	1,110.989	-0.059	5.400	1,110.790	-2.60	5.644	1,110.982	97.25	
-5.648	1,110.987	-47.68	-5.400	1,110.860	2.60	0+70	1,110.719	1,110.879	-0.159	5.400	1,110.579	-2.60	5.684	1,110.812	98.57	
-5.789	1,110.682	-61.80	-5.400	1,110.649	2.60	0+80	1,110.509	1,110.636	-0.127	5.400	1,110.368	-2.60	5.673	1,110.590	98.37	
-5.825	1,110.447	-62.59	-5.400	1,110.438	2.60	0+90	1,110.298	1,110.435	-0.138	5.400	1,110.157	-2.60	5.658	1,110.364	97.92	
-5.779	1,110.242	-62.04	-5.400	1,110.203	2.15	1+00	1,110.087	1,110.200	-0.113	5.400	1,109.971	-2.15	5.612	1,110.133	97.60	
-5.776	1,110.025	-62.13	-5.400	1,109.984	2.00	1+10	1,109.876	1,109.959	-0.083	5.400	1,109.768	-2.00	5.632	1,109.897	-66.67	
-5.822	1,109.783	-63.06	-5.400	1,109.773	2.00	1+20	1,109.665	1,109.720	-0.055	5.400	1,109.557	-2.00	5.651	1,109.673	-66.67	
-5.863	1,109.546	-63.62	-5.400	1,109.563	2.00	1+30	1,109.455	1,109.503	-0.048	5.400	1,109.347	-2.00	5.638	1,109.471	-66.67	
-5.864	1,109.334	-63.64	-5.400	1,109.352	2.00	1+40	1,109.244	1,109.301	-0.057	5.400	1,109.136	-2.00	5.625	1,109.269	-66.67	
-5.851	1,109.131	-63.49	-5.400	1,109.141	2.00	1+50	1,109.033	1,109.098	-0.065	5.400	1,108.925	-2.00	5.612	1,109.067	-66.67	
-5.839	1,108.929	-63.32	-5.400	1,108.930	2.00	1+60	1,108.822	1,108.896	-0.074	5.400	1,108.714	-2.00	5.606	1,108.860	-66.67	
-5.826	1,108.727	-63.13	-5.400	1,108.719	2.00	1+70	1,108.611	1,108.690	-0.079	5.400	1,108.503	-2.00				
-5.817	1,108.522	-62.98	-5.400	1,108.509	2.00	1+80	1,108.401	1,108.481	-0.080	5.400	1,108.293	-2.00				
-5.816	1,108.312	-62.96	-5.400	1,108.298	2.00	1+90	1,108.190	1,108.271	-0.081	5.400	1,108.082	-2.00				
-5.814	1,108.102	-62.93	-5.400	1,108.087	2.00	2+00	1,107.979	1,108.061	-0.082	5.400	1,107.871	-2.00				
-5.813	1,107.893	-62.90	-5.400	1,107.876	2.00	2+10	1,107.768	1,107.851	-0.083	5.400	1,107.660	-2.00				
-5.811	1,107.683	-62.88	-5.400	1,107.666	2.00	2+20	1,107.558	1,107.642	-0.084	5.400	1,107.450	-2.00				
-5.891	1,107.419	-63.92	-5.400	1,107.455	2.00	2+30	1,107.347	1,107.417	-0.070	5.400	1,107.239	-2.00				
-5.996	1,107.185	-64.64	-5.400	1,107.291	2.00	2+37.784	1,107.183	1,107.183	0.000	5.400	1,107.075	-2.00	5.666	1,107.181	-66.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	

EIXO 04

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.664	1,106.040	-64.41	-5.400	1,105.931	-1.28	0+00	1,106.000	1,106.053	-0.053	5.400	1,106.069	1.28	5.877	1,106.041	-64.30	
-5.696	1,106.043	-69.16	-5.400	1,105.959	-3.20	0+10	1,106.132	1,106.057	0.075	5.400	1,106.305	3.20	6.205	1,106.062	-64.95	
-5.771	1,106.106	-68.07	-5.400	1,106.072	-3.20	0+20	1,106.245	1,106.189	0.056	5.400	1,106.418	3.20	6.053	1,106.276	-64.37	
-5.616	1,106.301	-81.46	-5.400	1,106.164	-3.20	0+30	1,106.337	1,106.392	-0.054	5.400	1,106.510	3.20	5.877	1,106.486	-62.91	
			-5.400	1,106.235	-3.20	0+40	1,106.408	1,106.490	-0.082	5.400	1,106.581	3.20	5.815	1,106.598	-61.82	
-5.640	1,106.406	-72.65	-5.400	1,106.285	-3.20	0+50	1,106.458	1,106.505	-0.047	5.400	1,106.631	3.20	5.875	1,106.608	-62.89	
-5.705	1,106.391	-68.95	-5.400	1,106.314	-3.20	0+60	1,106.486	1,106.493	-0.007	5.400	1,106.659	3.20	5.928	1,106.601	-63.50	
-5.803	1,106.384	-67.00	-5.400	1,106.370	-2.33	0+70	1,106.496	1,106.494	0.002	5.400	1,106.622	2.33	5.863	1,106.606	-63.37	
-6.179	1,106.380	-65.28	-5.400	1,106.608	2.00	0+75.266	1,106.500	1,106.498	0.002	5.400	1,106.392	-2.00	5.674	1,106.616	100.00	

EIXO 05

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.563	1,116.176	-66.47	-5.400	1,116.666	-1.04	0+00	1,116.722	1,116.722	0.000	5.400	1,116.778	1.04	5.739	1,117.073	104.39	
-6.220	1,116.344	-66.86	-5.400	1,116.609	-2.60	0+10	1,116.749	1,116.730	0.019	5.400	1,116.890	2.60	5.614	1,117.039	-0.81	
-6.074	1,116.425	-66.92	-5.400	1,116.592	-2.60	0+20	1,116.732	1,116.721	0.011	5.400	1,116.873	2.60	5.669	1,116.986	-53.41	
-6.053	1,116.372	-66.93	-5.400	1,116.525	-2.60	0+30	1,116.666	1,116.617	0.049	5.400	1,116.806	2.60	5.685	1,116.909	-55.82	
-6.225	1,116.141	-66.86	-5.400	1,116.409	-2.60	0+40	1,116.549	1,116.465	0.085	5.400	1,116.690	2.60	5.659	1,116.810	-50.98	
-6.223	1,115.982	-66.86	-5.400	1,116.249	-2.60	0+50	1,116.389	1,116.253	0.136	5.400	1,116.529	2.60	5.845	1,116.525	-62.91	
-6.046	1,115.933	-66.94	-5.400	1,116.082	-2.60	0+60	1,116.223	1,116.104	0.118	5.400	1,116.363	2.60	5.906	1,116.318	-63.66	
-5.862	1,115.890	-67.13	-5.400	1,115.916	-2.60	0+70	1,116.056	1,116.030	0.027	5.400	1,116.197	2.60	5.814	1,116.213	-62.37	
-5.703	1,115.830	-67.84	-5.400	1,115.749	-2.60	0+80	1,115.890	1,115.920	-0.030	5.400	1,116.030	2.60	5.723	1,116.107	-59.19	
-5.925	1,115.515	-67.04	-5.400	1,115.583	-2.60	0+90	1,115.723	1,115.666	0.057	5.400	1,115.864	2.60	5.634	1,116.000	-40.00	
-6.199	1,115.166	-66.87	-5.400	1,115.417	-2.60	1+00	1,115.557	1,115.428	0.129	5.400	1,115.697	2.60	5.786	1,115.733	-61.71	
-6.191	1,115.005	-66.87	-5.400	1,115.250	-2.60	1+10	1,115.391	1,115.004	0.387	5.400	1,115.531	2.60	6.061	1,115.383	-64.67	
-5.952	1,114.998	-67.01	-5.400	1,115.084	-2.60	1+20	1,115.224	1,114.999	0.225	5.400	1,115.365	2.60	6.146	1,115.160	-64.98	
-5.705	1,114.996	-67.81	-5.400	1,114.917	-2.60	1+30	1,115.058	1,114.998	0.060	5.400	1,115.198	2.60	6.138	1,114.999	-64.96	
-5.779	1,114.781	-67.34	-5.400	1,114.751	-2.60	1+40	1,114.891	1,114.836	0.055	5.400	1,115.032	2.60	6.046	1,114.894	-64.60	
-5.908	1,114.528	-67.06	-5.400	1,114.585	-2.60	1+50	1,114.725	1,114.635	0.090	5.400	1,114.865	2.60	5.954	1,114.788	-64.07	
-5.895	1,114.367	-67.07	-5.400	1,114.415	-2.60	1+60	1,114.555	1,114.429	0.126	5.400	1,114.695	2.60	6.145	1,114.492	-64.98	
-6.131	1,114.032	-66.89	-5.400	1,114.237	-2.60	1+70	1,114.378	1,114.086	0.291	5.400	1,114.518	2.60	6.525	1,114.060	-65.67	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-6.062	1,114.000	-66.10	-5.400	1,114.156	-0.69	1+80	1,114.193	1,114.000	0.193	5.400	1,114.230	0.69	6.182	1,113.997	-65.74	
-5.997	1,113.964	-65.00	-5.400	1,114.071	1.31	1+90	1,114.000	1,113.997	0.003	5.400	1,113.929	-1.31	5.733	1,113.992	-65.64	
-6.198	1,113.668	-65.33	-5.400	1,113.909	2.00	2+00	1,113.801	1,113.731	0.069	5.400	1,113.693	-2.00	5.684	1,113.787	-66.67	
-6.368	1,113.348	-65.63	-5.400	1,113.702	2.00	2+10	1,113.594	1,113.410	0.184	5.400	1,113.486	-2.00	5.839	1,113.477	-66.67	
-6.527	1,113.027	-65.80	-5.400	1,113.488	2.00	2+20	1,113.380	1,113.142	0.237	5.400	1,113.272	-2.00	5.864	1,113.246	-66.67	
-6.352	1,112.923	-65.60	-5.400	1,113.266	2.00	2+30	1,113.158	1,113.000	0.158	5.400	1,113.050	-2.00	5.899	1,113.001	-66.67	
-6.348	1,112.700	-65.60	-5.400	1,113.041	2.00	2+40	1,112.933	1,112.806	0.126	5.400	1,112.825	-2.00	5.684	1,112.918	-66.67	
-6.331	1,112.486	-65.57	-5.400	1,112.815	2.00	2+50	1,112.707	1,112.600	0.107	5.400	1,112.599	-2.00	5.656	1,112.712	-66.67	
-6.325	1,112.264	-65.56	-5.400	1,112.590	2.00	2+60	1,112.482	1,112.387	0.095	5.400	1,112.374	-2.00	5.659	1,112.484	-66.67	
-6.316	1,112.045	-65.55	-5.400	1,112.364	2.00	2+70	1,112.256	1,112.153	0.103	5.400	1,112.148	-2.00	5.699	1,112.233	-66.67	
-6.226	1,111.880	-65.39	-5.400	1,112.139	2.00	2+80	1,112.031	1,111.958	0.073	5.400	1,111.923	-2.00	5.709	1,112.000	-66.67	
-6.254	1,111.636	-65.44	-5.400	1,111.914	2.00	2+90	1,111.806	1,111.687	0.118	5.400	1,111.698	-2.00	5.694	1,111.785	-66.67	
-6.322	1,111.365	-65.56	-5.400	1,111.688	2.00	3+00	1,111.580	1,111.439	0.141	5.400	1,111.472	-2.00	5.703	1,111.553	-66.67	
-6.390	1,111.094	-65.65	-5.400	1,111.463	2.00	3+10	1,111.355	1,111.208	0.147	5.400	1,111.247	-2.00	5.714	1,111.321	-66.67	
-6.272	1,110.947	-65.48	-5.400	1,111.237	2.00	3+20	1,111.129	1,110.998	0.131	5.400	1,111.021	-2.00	5.776	1,111.054	-66.67	
-6.274	1,110.720	-65.48	-5.400	1,111.012	2.00	3+30	1,110.904	1,110.834	0.070	5.400	1,110.796	-2.00	5.620	1,110.932	-66.67	
-6.246	1,110.514	-65.43	-5.400	1,110.787	2.00	3+40	1,110.679	1,110.616	0.063	5.400	1,110.571	-2.00	5.607	1,110.728	100.00	
-6.250	1,110.286	-65.44	-5.400	1,110.561	2.00	3+50	1,110.453	1,110.406	0.047	5.400	1,110.345	-2.00	5.607	1,110.491	-66.67	
-6.250	1,110.060	-65.44	-5.400	1,110.336	2.00	3+60	1,110.228	1,110.148	0.079	5.400	1,110.120	-2.00	5.616	1,110.259	-66.67	
-6.193	1,109.873	-65.32	-5.400	1,110.110	2.00	3+70	1,110.002	1,109.976	0.026	5.400	1,109.894	-2.00	5.631	1,110.024	-66.67	
-6.153	1,109.674	-65.22	-5.400	1,109.885	2.00	3+80	1,109.777	1,109.765	0.012	5.400	1,109.669	-2.00	5.605	1,109.824	100.00	
-6.144	1,109.455	-65.19	-5.400	1,109.660	2.00	3+90	1,109.552	1,109.499	0.052	5.400	1,109.444	-2.00	5.618	1,109.582	-66.67	
-6.217	1,109.181	-65.37	-5.400	1,109.435	2.00	4+00	1,109.327	1,109.260	0.067	5.400	1,109.219	-2.00	5.620	1,109.356	-66.67	
-6.160	1,109.000	-65.24	-5.400	1,109.215	2.00	4+10	1,109.107	1,109.035	0.072	5.400	1,108.999	-2.00				
-6.133	1,108.804	-65.16	-5.400	1,109.001	2.00	4+20	1,108.893	1,108.883	0.010	5.400	1,108.785	-2.00	5.624	1,108.959	100.00	
-6.107	1,108.613	-65.09	-5.400	1,108.793	2.00	4+30	1,108.685	1,108.690	-0.005	5.400	1,108.577	-2.00	5.629	1,108.755	100.00	
-6.093	1,108.419	-65.05	-5.400	1,108.590	2.00	4+40	1,108.482	1,108.479	0.003	5.400	1,108.374	-2.00	5.634	1,108.558	100.00	
-6.132	1,108.196	-65.16	-5.400	1,108.393	2.00	4+50	1,108.285	1,108.292	-0.007	5.400	1,108.177	-2.00	5.685	1,108.412	100.00	
-6.128	1,108.008	-65.15	-5.400	1,108.201	2.00	4+60	1,108.093	1,108.110	-0.017	5.400	1,107.985	-2.00	5.669	1,108.204	100.00	
-6.047	1,107.875	-64.88	-5.400	1,108.016	2.00	4+70	1,107.908	1,107.950	-0.042	5.400	1,107.800	-2.00	5.650	1,108.000	100.00	
-6.093	1,107.664	-65.04	-5.400	1,107.835	2.00	4+80	1,107.727	1,107.747	-0.020	5.400	1,107.619	-2.00	5.645	1,107.814	100.00	
-6.123	1,107.464	-65.14	-5.400	1,107.655	2.00	4+90	1,107.547	1,107.539	0.007	5.400	1,107.439	-2.00	5.639	1,107.628	100.00	
-6.139	1,107.273	-65.18	-5.400	1,107.474	2.00	5+00	1,107.366	1,107.357	0.010	5.400	1,107.258	-2.00				
-6.183	1,107.064	-65.29	-5.400	1,107.294	2.00	5+10	1,107.186	1,107.123	0.063	5.400	1,107.078	-2.00	5.702	1,107.160	-66.67	
-6.008	1,107.000	-64.71	-5.400	1,107.114	2.00	5+20	1,107.006	1,107.000	0.006	5.400	1,106.898	-2.00	5.672	1,107.000	-66.67	
-5.822	1,106.944	-63.07	-5.400	1,106.934	2.00	5+30	1,106.826	1,107.000	-0.174	5.400	1,106.718	-2.00	5.732	1,107.000	100.00	
-5.702	1,106.844	-58.84	-5.400	1,106.754	2.00	5+40	1,106.646	1,107.000	-0.354	5.400	1,106.538	-2.00	5.912	1,107.000	100.00	
-5.739	1,106.871	105.75	-5.400	1,106.574	2.00	5+50	1,106.466	1,107.000	-0.534	5.400	1,106.358	-2.00	6.085	1,106.992	100.00	

Nota de Serviço Tabela

Lado Esquerdo						Eixo				Lado Direito						Observações
Offset			Bordo			Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo			Offset			
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)					Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-5.659	1,106.512	-53.01	-5.400	1,106.394	2.00	5+60	1,106.286	1,106.658	-0.373	5.400	1,106.178	-2.00	6.063	1,106.790	100.00	
-6.157	1,106.000	-65.23	-5.400	1,106.213	2.00	5+70	1,106.105	1,106.167	-0.062	5.400	1,105.997	-2.00	5.776	1,106.323	100.00	
-5.900	1,105.991	-64.00	-5.400	1,106.033	2.00	5+80	1,105.925	1,105.992	-0.067	5.400	1,105.817	-2.00	5.633	1,106.000	100.00	
-5.983	1,105.754	-64.58	-5.400	1,105.851	2.00	5+90	1,105.743	1,105.825	-0.082	5.400	1,105.635	-2.00	5.740	1,105.925	100.00	
-6.054	1,105.525	-64.90	-5.400	1,105.669	2.00	6+00	1,105.561	1,105.639	-0.078	5.400	1,105.453	-2.00	5.696	1,105.700	100.00	
-6.042	1,105.350	-64.86	-5.400	1,105.486	2.00	6+10	1,105.378	1,105.414	-0.036	5.400	1,105.270	-2.00	5.676	1,105.496	100.00	
-6.067	1,105.149	-64.95	-5.400	1,105.303	2.00	6+20	1,105.195	1,105.248	-0.053	5.400	1,105.087	-2.00	5.703	1,105.340	100.00	
-6.024	1,104.994	-64.78	-5.400	1,105.118	2.00	6+30	1,105.010	1,105.091	-0.081	5.400	1,104.902	-2.00	5.732	1,105.184	100.00	
-5.979	1,104.838	-64.56	-5.400	1,104.933	2.00	6+40	1,104.825	1,104.935	-0.110	5.400	1,104.717	-2.00	5.762	1,105.029	100.00	
-5.933	1,104.683	-64.27	-5.400	1,104.747	2.00	6+50	1,104.639	1,104.779	-0.140	5.400	1,104.531	-2.00	5.792	1,104.873	100.00	
-5.874	1,104.536	-63.75	-5.400	1,104.560	2.00	6+60	1,104.452	1,104.623	-0.170	5.400	1,104.344	-2.00	5.822	1,104.717	100.00	
-5.804	1,104.396	-62.75	-5.400	1,104.374	2.00	6+70	1,104.266	1,104.466	-0.200	5.400	1,104.158	-2.00	5.853	1,104.561	100.00	
-5.793	1,104.374	-62.53	-5.400	1,104.345	2.00	6+71.577	1,104.237	1,104.442	-0.205	5.400	1,104.129	-2.00	5.858	1,104.537	100.00	

7 Mapa de Cubação

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
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EIXO 01

Estaca Inicial: 0+00

Estaca Final: 67+76.020

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+00	0,24	0,00	0,57	0,00	0,00	0,00	0,00
0+10	0,40	2,72	0,53	6,56	2,72	6,56	-3,83
0+20	0,62	4,64	0,08	3,45	7,36	10,01	-2,64
0+30	1,27	9,48	0,00	0,39	16,84	10,40	6,44
0+40	1,99	16,33	0,00	0,00	33,16	10,40	22,76
0+50	2,68	23,34	0,00	0,00	56,50	10,40	46,10
0+60	3,31	29,94	0,00	0,00	86,44	10,40	76,04
0+70	4,26	37,84	0,00	0,00	124,29	10,40	113,89
0+80	5,11	46,81	0,00	0,00	171,10	10,40	160,70
0+90	4,83	49,69	0,00	0,00	220,79	10,40	210,39
1+00	4,73	47,83	0,00	0,00	268,63	10,40	258,23
1+10	8,05	63,94	0,00	0,00	332,57	10,40	322,17
1+20	11,72	98,87	0,00	0,00	431,44	10,40	421,04
1+30	14,97	133,45	0,00	0,00	564,89	10,40	554,49
1+40	21,47	182,22	0,00	0,00	747,11	10,40	736,71
1+50	19,50	204,85	0,00	0,00	951,96	10,40	941,56
1+60	16,58	180,37	0,00	0,00	1132,33	10,40	1121,93
1+70	7,88	122,29	0,00	0,00	1254,62	10,40	1244,22
1+80	4,17	60,24	0,01	0,05	1314,86	10,45	1304,41
1+90	2,25	32,07	0,61	3,13	1346,93	13,58	1333,35
2+00	0,66	14,54	2,43	15,22	1361,47	28,80	1332,66
2+10	0,00	3,30	5,80	41,14	1364,77	69,94	1294,83
2+20	0,00	0,00	10,58	81,87	1364,77	151,81	1212,95
2+30	0,00	0,00	14,99	127,83	1364,77	279,64	1085,12
2+40	0,00	0,00	19,34	171,64	1364,77	451,29	913,48
2+50	0,00	0,00	23,18	212,61	1364,77	663,90	700,87
2+60	0,00	0,00	29,80	264,89	1364,77	928,79	435,98
2+70	0,00	0,00	39,13	346,31	1364,77	1275,10	89,67
2+80	0,00	0,00	12,57	262,66	1364,77	1537,76	-172,99
2+90	2,86	14,22	0,07	64,49	1378,99	1602,25	-223,26
3+00	5,36	40,96	0,00	0,38	1419,95	1602,63	-182,68
3+10	3,76	45,45	0,00	0,03	1465,41	1602,67	-137,26
3+20	2,44	30,85	0,00	0,07	1496,26	1602,74	-106,48
3+30	1,37	19,04	0,03	0,19	1515,30	1602,92	-87,62
3+40	0,65	10,11	0,08	0,58	1525,41	1603,50	-78,09
3+50	0,32	4,86	0,22	1,55	1530,27	1605,05	-74,78
3+60	0,28	3,03	0,29	2,58	1533,30	1607,63	-74,33
3+70	0,36	3,23	0,27	2,84	1536,53	1610,47	-73,94
3+80	0,50	4,33	0,22	2,47	1540,86	1612,94	-72,08
3+90	0,77	6,35	0,17	1,95	1547,21	1614,90	-67,69
4+00	1,09	9,28	0,07	1,22	1556,49	1616,12	-59,63
4+10	0,60	8,46	0,06	0,66	1564,95	1616,78	-51,84
4+20	0,42	5,09	0,88	4,70	1570,04	1621,48	-51,45
4+30	0,64	5,17	1,82	13,97	1575,21	1635,45	-60,24
4+40	0,69	6,49	2,23	20,91	1581,70	1656,36	-74,66
4+50	0,36	5,12	1,51	19,31	1586,82	1675,67	-88,85
4+60	0,06	2,06	0,81	11,78	1588,88	1687,45	-98,57
4+70	0,14	1,00	0,48	6,46	1589,88	1693,90	-104,02
4+80	0,60	3,70	0,67	5,75	1593,58	1699,65	-106,07
4+90	0,69	6,43	0,65	6,59	1600,01	1706,25	-106,24

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
5+00	0,79	7,40	0,56	6,05	1607,41	1712,30	-104,89
5+10	0,90	8,47	0,48	5,20	1615,88	1717,49	-101,61
5+20	0,79	8,48	0,40	4,41	1624,36	1721,90	-97,54
5+30	0,32	5,59	0,46	4,30	1629,95	1726,19	-96,25
5+40	0,04	1,81	1,11	7,83	1631,75	1734,03	-102,28
5+50	0,02	0,29	1,32	12,16	1632,04	1746,19	-114,14
5+60	0,07	0,44	1,16	12,42	1632,48	1758,61	-126,12
5+70	0,09	0,80	1,02	10,93	1633,29	1769,53	-136,25
5+80	0,14	1,15	0,89	9,56	1634,44	1779,10	-144,66
5+90	0,19	1,63	0,77	8,28	1636,07	1787,38	-151,31
6+00	0,25	2,20	0,65	7,08	1638,27	1794,46	-156,19
6+10	0,32	2,86	0,54	5,98	1641,13	1800,44	-159,31
6+20	0,40	3,61	0,45	4,96	1644,73	1805,40	-160,67
6+30	0,49	4,44	0,36	4,06	1649,18	1809,46	-160,29
6+40	0,59	5,38	0,32	3,40	1654,55	1812,86	-158,31
6+50	0,30	4,43	0,51	4,11	1658,99	1816,97	-157,99
6+60	0,11	2,05	0,90	7,01	1661,04	1823,98	-162,94
6+70	0,13	1,19	0,85	8,74	1662,23	1832,71	-170,48
6+80	0,15	1,39	0,81	8,30	1663,62	1841,01	-177,39
6+90	0,18	1,65	0,75	7,81	1665,27	1848,82	-183,55
7+00	0,22	2,02	0,69	7,21	1667,28	1856,02	-188,74
7+10	0,28	2,51	0,61	6,48	1669,79	1862,51	-192,72
7+20	0,35	3,13	0,52	5,66	1672,93	1868,17	-195,24
7+30	0,44	3,92	0,45	4,88	1676,84	1873,05	-196,20
7+40	0,54	4,85	0,42	4,34	1681,70	1877,39	-195,69
7+50	0,61	5,71	0,45	4,33	1687,41	1881,72	-194,31
7+60	0,64	6,25	0,36	4,04	1693,66	1885,76	-192,10
7+70	0,76	7,01	0,32	3,38	1700,67	1889,13	-188,47
7+80	0,42	5,88	0,41	3,61	1706,54	1892,75	-186,20
7+90	0,32	3,68	0,64	5,22	1710,23	1897,96	-187,74
8+00	0,48	3,97	0,46	5,47	1714,20	1903,43	-189,24
8+10	0,62	5,48	0,42	4,40	1719,68	1907,83	-188,15
8+20	0,60	6,09	0,42	4,22	1725,77	1912,05	-186,28
8+30	0,60	5,98	0,44	4,32	1731,75	1916,37	-184,62
8+40	0,41	5,06	0,59	5,17	1736,80	1921,53	-184,73
8+50	0,38	3,97	0,65	6,21	1740,78	1927,75	-186,97
8+60	0,26	3,20	0,87	7,61	1743,98	1935,36	-191,38
8+70	0,15	2,02	1,09	9,80	1745,99	1945,16	-199,17
8+80	0,08	1,15	1,31	11,99	1747,14	1957,15	-210,02
8+90	0,04	0,59	1,52	14,12	1747,73	1971,27	-223,54
9+00	0,01	0,24	1,61	15,61	1747,97	1986,88	-238,91
9+10	0,01	0,11	1,60	16,05	1748,08	2002,93	-254,85
9+20	0,01	0,10	1,60	16,01	1748,18	2018,93	-270,75
9+30	0,01	0,11	1,62	16,07	1748,29	2035,00	-286,71
9+40	0,01	0,11	1,63	16,25	1748,40	2051,25	-302,85
9+50	0,01	0,11	1,61	16,21	1748,51	2067,46	-318,95
9+60	0,00	0,05	1,82	17,14	1748,56	2084,60	-336,04
9+70	0,00	0,00	2,01	19,17	1748,56	2103,78	-355,21
9+80	0,00	0,00	1,90	19,59	1748,56	2123,37	-374,81
9+90	0,00	0,00	1,79	18,49	1748,56	2141,86	-393,30
10+00	0,00	0,00	1,68	17,39	1748,56	2159,25	-410,68
10+10	0,00	0,00	1,57	16,29	1748,57	2175,54	-426,97
10+20	0,00	0,02	1,47	15,22	1748,59	2190,76	-442,17
10+30	0,01	0,08	1,38	14,23	1748,67	2204,99	-456,32
10+40	0,02	0,17	1,29	13,34	1748,84	2218,33	-469,49
10+50	0,04	0,30	1,22	12,55	1749,13	2230,88	-481,75
10+60	0,05	0,46	1,16	11,90	1749,59	2242,78	-493,19

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
10+70	0,08	0,70	1,09	11,23	1750,29	2254,01	-503,73
10+80	0,13	1,09	0,98	10,31	1751,38	2264,32	-512,94
10+90	0,21	1,71	0,82	8,98	1753,09	2273,31	-520,22
11+00	0,42	3,15	0,60	7,09	1756,23	2280,39	-524,16
11+10	0,53	4,75	0,44	5,20	1760,98	2285,60	-524,61
11+20	0,47	4,97	0,60	5,23	1765,95	2290,83	-524,87
11+30	0,46	4,63	0,72	6,63	1770,58	2297,46	-526,88
11+40	0,49	4,74	0,79	7,55	1775,33	2305,01	-529,68
11+50	0,46	4,78	0,81	7,99	1780,10	2313,00	-532,90
11+60	0,49	4,78	0,78	7,97	1784,88	2320,98	-536,10
11+70	0,56	5,24	0,70	7,43	1790,12	2328,41	-538,29
11+80	0,63	5,93	0,63	6,67	1796,05	2335,07	-539,03
11+90	0,71	6,67	0,56	5,95	1802,72	2341,02	-538,30
12+00	0,79	7,46	0,50	5,28	1810,18	2346,30	-536,12
12+10	0,87	8,29	0,43	4,65	1818,48	2350,95	-532,47
12+20	0,96	9,17	0,38	4,07	1827,65	2355,02	-527,37
12+30	1,03	9,94	0,34	3,61	1837,59	2358,63	-521,04
12+40	1,03	10,29	0,34	3,44	1847,87	2362,06	-514,19
12+50	0,55	7,90	0,39	3,65	1855,77	2365,71	-509,94
12+60	0,33	4,40	0,47	4,26	1860,17	2369,97	-509,80
12+70	0,24	2,86	0,57	5,18	1863,03	2375,15	-512,13
12+80	0,19	2,15	0,49	5,28	1865,17	2380,43	-515,26
12+90	0,23	2,07	0,43	4,58	1867,24	2385,01	-517,77
13+00	0,33	2,77	0,41	4,22	1870,01	2389,22	-519,21
13+10	0,60	4,64	0,44	4,25	1874,66	2393,47	-518,82
13+20	0,52	5,58	0,51	4,73	1880,23	2398,21	-517,97
13+30	0,42	4,67	0,62	5,64	1884,91	2403,85	-518,94
13+40	0,34	3,78	0,72	6,70	1888,69	2410,55	-521,87
13+50	0,31	3,26	0,76	7,42	1891,94	2417,98	-526,03
13+60	0,35	3,29	0,71	7,37	1895,24	2425,35	-530,11
13+70	0,44	3,94	0,59	6,51	1899,18	2431,86	-532,68
13+80	0,63	5,36	0,41	5,00	1904,54	2436,86	-532,33
13+90	0,53	5,78	0,44	4,24	1910,31	2441,11	-530,79
14+00	0,30	4,12	0,70	5,70	1914,43	2446,81	-532,38
14+10	0,29	2,94	0,69	6,96	1917,37	2453,77	-536,40
14+20	0,12	2,08	0,92	8,05	1919,45	2461,82	-542,36
14+30	0,03	0,77	1,17	10,47	1920,23	2472,28	-552,06
14+40	0,02	0,24	1,11	11,42	1920,47	2483,70	-563,23
14+50	0,00	0,09	1,43	12,70	1920,56	2496,40	-575,84
14+60	0,00	0,00	1,84	16,33	1920,56	2512,73	-592,17
14+70	0,00	0,00	2,19	20,14	1920,56	2532,88	-612,32
14+80	0,00	0,00	1,92	20,53	1920,56	2553,40	-632,84
14+90	0,00	0,00	1,74	18,25	1920,56	2571,65	-651,09
15+00	0,00	0,00	1,19	14,64	1920,56	2586,30	-665,74
15+10	0,00	0,04	0,74	9,65	1920,60	2595,95	-675,35
15+20	0,11	0,59	0,40	5,69	1921,19	2601,64	-680,44
15+30	0,19	1,51	0,29	3,45	1922,70	2605,09	-682,39
15+40	0,18	1,87	0,25	2,72	1924,57	2607,80	-683,23
15+50	0,15	1,66	0,23	2,40	1926,23	2610,20	-683,97
15+60	0,11	1,31	0,28	2,55	1927,54	2612,75	-685,21
15+70	0,14	1,24	0,26	2,69	1928,78	2615,44	-686,66
15+80	0,23	1,80	0,17	2,10	1930,58	2617,54	-686,96
15+90	0,45	3,37	0,07	1,16	1933,95	2618,70	-684,76
16+00	0,86	6,54	0,04	0,54	1940,49	2619,24	-678,75
16+10	0,94	9,01	0,04	0,40	1949,50	2619,65	-670,15
16+20	0,89	9,14	0,03	0,37	1958,64	2620,01	-661,37
16+30	1,13	10,08	0,03	0,30	1968,72	2620,31	-651,59

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
16+40	1,03	10,78	0,03	0,29	1979,50	2620,59	-641,09
16+50	0,98	10,04	0,03	0,31	1989,54	2620,91	-631,36
16+60	0,90	9,39	0,04	0,35	1998,93	2621,26	-622,32
16+70	0,78	8,38	0,06	0,47	2007,31	2621,73	-614,42
16+80	0,43	6,03	0,09	0,72	2013,34	2622,45	-609,11
16+90	0,22	3,24	0,20	1,44	2016,59	2623,89	-607,30
17+00	0,08	1,50	0,34	2,68	2018,09	2626,57	-608,48
17+10	0,04	0,59	0,32	3,26	2018,68	2629,83	-611,15
17+20	0,41	2,22	0,52	4,18	2020,89	2634,01	-613,12
17+30	0,59	4,98	0,88	7,01	2025,87	2641,02	-615,15
17+40	0,37	4,81	1,06	9,70	2030,68	2650,72	-620,04
17+50	0,20	2,89	1,42	12,40	2033,57	2663,12	-629,55
17+60	0,05	1,27	1,40	14,12	2034,84	2677,24	-642,40
17+70	0,00	0,25	2,56	19,79	2035,09	2697,03	-661,94
17+80	0,00	0,00	3,68	31,18	2035,09	2728,21	-693,12
17+90	0,00	0,00	4,58	41,27	2035,09	2769,48	-734,39
18+00	0,00	0,00	4,94	47,58	2035,09	2817,06	-781,97
18+10	0,00	0,00	3,79	43,67	2035,09	2860,73	-825,64
18+20	0,00	0,00	3,90	38,47	2035,09	2899,20	-864,11
18+30	0,00	0,00	4,29	40,95	2035,09	2940,15	-905,06
18+40	0,00	0,00	5,29	47,87	2035,09	2988,02	-952,93
18+50	0,00	0,00	5,57	54,29	2035,09	3042,31	-1007,22
18+60	0,00	0,00	5,64	56,05	2035,09	3098,36	-1063,27
18+70	0,00	0,00	5,31	54,71	2035,09	3153,08	-1117,98
18+80	0,00	0,00	5,04	51,74	2035,09	3204,81	-1169,72
18+90	0,00	0,00	4,43	47,35	2035,09	3252,17	-1217,07
19+00	0,00	0,00	4,38	44,03	2035,09	3296,20	-1261,11
19+10	0,00	0,00	4,17	42,74	2035,09	3338,94	-1303,84
19+20	0,00	0,00	3,48	38,25	2035,09	3377,18	-1342,09
19+30	0,00	0,01	3,00	32,41	2035,11	3409,59	-1374,49
19+40	0,01	0,07	2,75	28,76	2035,17	3438,36	-1403,19
19+50	0,04	0,27	2,44	25,96	2035,44	3464,31	-1428,87
19+60	0,10	0,74	2,10	22,70	2036,18	3487,01	-1450,83
19+70	0,17	1,39	1,80	19,50	2037,57	3506,51	-1468,94
19+80	0,30	2,37	1,46	16,29	2039,95	3522,81	-1482,86
19+90	0,50	4,02	1,03	12,40	2043,97	3535,21	-1491,24
20+00	0,62	5,63	0,85	9,37	2049,59	3544,58	-1494,99
20+10	0,49	5,55	1,15	9,98	2055,15	3554,56	-1499,42
20+20	0,66	5,73	1,14	11,45	2060,87	3566,01	-1505,14
20+30	0,90	7,77	0,86	10,03	2068,64	3576,04	-1507,40
20+40	1,08	9,89	0,81	8,35	2078,52	3584,39	-1505,87
20+50	0,97	10,25	0,85	8,29	2088,77	3592,68	-1503,91
20+60	0,77	8,68	0,99	9,22	2097,45	3601,89	-1504,44
20+70	0,88	8,24	0,89	9,39	2105,69	3611,29	-1505,60
20+80	0,91	8,94	0,87	8,77	2114,63	3620,05	-1505,42
20+90	0,92	9,15	0,88	8,71	2123,78	3628,76	-1504,98
21+00	1,01	9,66	0,82	8,49	2133,44	3637,25	-1503,81
21+10	1,04	10,24	0,79	8,05	2143,67	3645,30	-1501,63
21+20	0,98	10,09	0,82	8,03	2153,76	3653,34	-1499,58
21+30	0,86	9,19	0,92	8,72	2162,95	3662,06	-1499,10
21+40	0,80	8,27	0,97	9,45	2171,23	3671,50	-1500,28
21+50	0,59	6,96	0,58	7,74	2178,18	3679,24	-1501,06
21+60	0,31	4,54	0,24	4,13	2182,72	3683,37	-1500,65
21+70	0,26	2,89	0,07	1,57	2185,62	3684,94	-1499,32
21+80	0,31	2,86	0,07	0,68	2188,47	3685,62	-1497,15
21+90	0,22	2,62	0,07	0,70	2191,09	3686,32	-1495,23
22+00	0,19	2,01	0,07	0,74	2193,10	3687,06	-1493,96

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
22+10	0,32	2,54	0,07	0,71	2195,63	3687,76	-1492,13
22+20	0,15	2,35	0,08	0,72	2197,98	3688,48	-1490,50
22+30	0,02	0,84	0,14	1,10	2198,82	3689,58	-1490,76
22+40	0,00	0,10	0,27	2,06	2198,91	3691,64	-1492,73
22+50	0,02	0,11	0,09	1,81	2199,02	3693,46	-1494,44
22+60	0,00	0,11	0,21	1,51	2199,12	3694,96	-1495,84
22+70	0,00	0,00	0,38	2,95	2199,12	3697,91	-1498,79
22+80	0,00	0,00	0,53	4,55	2199,12	3702,46	-1503,34
22+90	0,00	0,00	0,65	5,90	2199,12	3708,37	-1509,24
23+00	0,00	0,00	0,85	7,49	2199,12	3715,86	-1516,73
23+10	0,00	0,00	0,98	9,12	2199,12	3724,98	-1525,85
23+20	0,00	0,00	0,98	9,80	2199,12	3734,78	-1535,65
23+30	0,00	0,00	1,19	10,86	2199,12	3745,64	-1546,51
23+40	0,00	0,00	1,46	13,24	2199,12	3758,87	-1559,75
23+50	0,00	0,00	1,90	16,80	2199,12	3775,68	-1576,55
23+60	0,00	0,00	2,28	20,91	2199,12	3796,59	-1597,46
23+70	0,00	0,00	2,53	24,06	2199,12	3820,64	-1621,52
23+80	0,00	0,00	2,47	24,98	2199,12	3845,63	-1646,50
23+90	0,00	0,00	0,98	17,24	2199,12	3862,87	-1663,75
24+00	2,56	12,81	0,01	4,99	2211,94	3867,86	-1655,92
24+10	8,69	56,28	0,00	0,07	2268,22	3867,93	-1599,71
24+20	11,18	99,39	0,00	0,00	2367,60	3867,93	-1500,33
24+30	10,16	106,72	0,00	0,00	2474,33	3867,93	-1393,60
24+40	6,26	82,12	0,00	0,00	2556,45	3867,93	-1311,48
24+50	4,54	54,04	0,00	0,00	2610,49	3867,93	-1257,44
24+60	4,22	43,80	0,00	0,00	2654,28	3867,93	-1213,65
24+70	3,18	37,00	0,00	0,00	2691,28	3867,94	-1176,65
24+80	3,30	32,43	0,01	0,06	2723,71	3867,99	-1144,28
24+90	4,39	38,47	0,00	0,05	2762,18	3868,05	-1105,86
25+00	6,16	52,76	0,00	0,00	2814,94	3868,05	-1053,10
25+10	5,33	57,46	0,00	0,00	2872,40	3868,05	-995,64
25+20	4,17	47,52	0,00	0,00	2919,93	3868,05	-948,12
25+30	3,48	38,28	0,00	0,00	2958,21	3868,05	-909,84
25+40	4,56	40,20	0,00	0,00	2998,41	3868,05	-869,64
25+50	5,55	50,53	0,00	0,00	3048,94	3868,05	-819,11
25+60	5,85	56,98	0,00	0,00	3105,92	3868,05	-762,13
25+70	5,66	57,51	0,00	0,00	3163,43	3868,05	-704,62
25+80	4,96	53,07	0,00	0,00	3216,49	3868,05	-651,55
25+90	2,61	37,83	0,00	0,02	3254,32	3868,07	-613,75
26+00	2,15	23,80	0,01	0,09	3278,12	3868,16	-590,04
26+10	1,11	16,33	0,04	0,27	3294,45	3868,43	-573,98
26+20	0,06	5,86	0,60	3,19	3300,31	3871,62	-571,31
26+30	0,00	0,30	1,29	9,45	3300,61	3881,07	-580,46
26+40	0,04	0,20	0,81	10,53	3300,81	3891,61	-590,80
26+50	0,52	2,78	0,17	4,94	3303,59	3896,55	-592,96
26+60	0,95	7,31	0,05	1,12	3310,91	3897,67	-586,77
26+70	0,73	8,38	0,06	0,56	3319,29	3898,23	-578,94
26+80	0,45	5,91	0,07	0,66	3325,20	3898,89	-573,69
26+90	0,56	5,07	0,06	0,66	3330,27	3899,55	-569,29
27+00	0,29	4,27	0,08	0,70	3334,54	3900,26	-565,71
27+10	0,22	2,54	0,08	0,77	3337,08	3901,03	-563,94
27+20	0,00	1,08	0,37	2,23	3338,16	3903,26	-565,09
27+30	0,00	0,00	1,08	7,24	3338,16	3910,49	-572,33
27+40	0,00	0,00	1,74	14,08	3338,16	3924,57	-586,41
27+50	0,00	0,00	1,76	17,50	3338,16	3942,07	-603,91
27+60	0,00	0,00	0,87	13,16	3338,16	3955,24	-617,08
27+70	0,00	0,00	0,55	7,12	3338,16	3962,36	-624,20

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
27+80	0,00	0,00	0,62	5,88	3338,16	3968,24	-630,08
27+90	0,22	1,11	0,09	3,54	3339,27	3971,78	-632,51
28+00	0,52	3,69	0,06	0,71	3342,96	3972,49	-629,53
28+10	0,95	7,31	0,03	0,45	3350,27	3972,94	-622,67
28+20	1,14	10,41	0,02	0,29	3360,68	3973,23	-612,55
28+30	0,88	10,10	0,04	0,31	3370,78	3973,54	-602,76
28+40	0,28	5,84	0,13	0,82	3376,62	3974,36	-597,73
28+50	0,00	1,42	0,53	3,29	3378,05	3977,64	-599,60
28+60	0,00	0,00	0,57	5,52	3378,05	3983,17	-605,12
28+70	0,00	0,00	0,50	5,36	3378,05	3988,52	-610,48
28+80	0,02	0,09	0,42	4,58	3378,14	3993,10	-614,97
28+90	0,08	0,50	0,44	4,30	3378,64	3997,40	-618,77
29+00	0,06	0,71	0,40	4,21	3379,35	4001,61	-622,26
29+10	0,00	0,30	1,16	7,78	3379,65	4009,39	-629,74
29+20	0,00	0,00	0,93	10,43	3379,65	4019,82	-640,18
29+30	0,22	1,08	0,37	6,50	3380,72	4026,32	-645,60
29+40	1,27	7,44	0,02	1,96	3388,17	4028,29	-640,12
29+50	6,19	37,33	0,00	0,12	3425,50	4028,41	-602,91
29+60	11,57	88,83	0,00	0,00	3514,33	4028,41	-514,08
29+70	15,45	135,11	0,00	0,00	3649,44	4028,41	-378,96
29+80	16,08	157,65	0,00	0,00	3807,09	4028,41	-221,32
29+90	10,42	132,51	0,00	0,00	3939,60	4028,41	-88,81
30+00	4,23	73,28	0,00	0,00	4012,88	4028,41	-15,52
30+10	1,86	30,44	0,00	0,00	4043,32	4028,41	14,92
30+20	0,10	9,80	0,12	0,59	4053,13	4029,00	24,12
30+30	0,00	0,52	0,72	4,17	4053,65	4033,17	20,47
30+40	0,01	0,05	0,43	5,73	4053,70	4038,90	14,80
30+50	0,40	2,04	0,06	2,46	4055,74	4041,37	14,37
30+60	0,98	6,88	0,03	0,46	4062,62	4041,83	20,79
30+70	0,83	9,06	0,04	0,33	4071,68	4042,15	29,53
30+80	0,62	7,29	0,05	0,42	4078,97	4042,57	36,40
30+90	0,60	6,11	0,05	0,48	4085,08	4043,06	42,02
31+00	0,54	5,68	0,05	0,50	4090,76	4043,56	47,20
31+10	0,14	3,38	0,08	0,65	4094,13	4044,21	49,92
31+20	0,05	0,97	0,15	1,14	4095,10	4045,35	49,75
31+30	0,15	1,03	0,08	1,15	4096,13	4046,50	49,63
31+40	0,42	2,85	0,05	0,66	4098,98	4047,16	51,82
31+50	0,32	3,71	0,28	1,69	4102,70	4048,85	53,85
31+60	0,00	1,62	1,99	11,36	4104,31	4060,21	44,10
31+70	0,00	0,00	3,52	27,54	4104,31	4087,76	16,56
31+80	0,00	0,00	4,13	38,22	4104,31	4125,98	-21,67
31+90	0,00	0,00	4,29	42,07	4104,31	4168,05	-63,74
32+00	0,00	0,00	3,73	40,09	4104,31	4208,14	-103,83
32+10	0,00	0,00	3,03	33,80	4104,31	4241,94	-137,63
32+20	0,00	0,00	2,67	28,51	4104,31	4270,46	-166,14
32+30	0,00	0,00	3,33	30,00	4104,31	4300,45	-196,14
32+40	0,00	0,00	2,34	28,36	4104,31	4328,81	-224,50
32+50	0,00	0,00	2,06	22,03	4104,32	4350,85	-246,53
32+60	0,72	3,63	1,20	16,30	4107,95	4367,15	-259,20
32+70	1,02	8,74	1,22	12,08	4116,69	4379,23	-262,54
32+80	0,00	5,12	3,59	24,05	4121,81	4403,28	-281,46
32+90	0,00	0,00	2,87	32,32	4121,81	4435,59	-313,78
33+00	0,00	0,00	3,45	31,63	4121,81	4467,23	-345,42
33+10	0,00	0,00	6,15	48,04	4121,81	4515,27	-393,46
33+20	0,00	0,00	10,92	85,39	4121,81	4600,66	-478,85
33+30	0,00	0,00	11,32	111,22	4121,81	4711,88	-590,07
33+40	0,00	0,00	11,53	114,26	4121,81	4826,14	-704,33

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
33+50	0,00	0,00	11,01	112,69	4121,81	4938,83	-817,02
33+60	0,00	0,00	9,72	103,62	4121,81	5042,46	-920,65
33+70	0,00	0,00	9,96	98,40	4121,81	5140,85	-1019,04
33+80	0,00	0,00	9,24	96,01	4121,81	5236,87	-1115,06
33+90	0,00	0,00	9,03	91,38	4121,81	5328,24	-1206,43
34+00	0,00	0,00	8,13	85,79	4121,81	5414,04	-1292,22
34+10	0,00	0,00	7,99	80,59	4121,81	5494,62	-1372,81
34+20	0,00	0,00	8,27	81,30	4121,81	5575,93	-1454,11
34+30	0,00	0,00	8,40	83,35	4121,81	5659,27	-1537,46
34+40	0,00	0,00	8,18	82,89	4121,81	5742,16	-1620,35
34+50	0,00	0,00	7,13	76,54	4121,81	5818,70	-1696,89
34+60	0,00	0,00	5,64	63,85	4121,81	5882,55	-1760,74
34+70	0,00	0,00	3,52	45,79	4121,81	5928,34	-1806,53
34+80	0,00	0,00	0,41	19,62	4121,81	5947,96	-1826,15
34+90	0,00	0,00	2,18	12,93	4121,81	5960,89	-1839,08
35+00	0,00	0,00	4,95	35,63	4121,81	5996,53	-1874,71
35+10	0,00	0,00	7,65	63,01	4121,81	6059,54	-1937,73
35+20	0,00	0,00	7,99	78,21	4121,81	6137,75	-2015,94
35+30	0,00	0,00	8,21	80,98	4121,81	6218,73	-2096,92
35+40	0,00	0,00	8,18	81,92	4121,81	6300,66	-2178,84
35+50	0,00	0,00	7,78	79,78	4121,81	6380,43	-2258,62
35+60	0,00	0,00	5,95	68,64	4121,81	6449,08	-2327,26
35+70	0,00	0,00	5,63	57,91	4121,81	6506,98	-2385,17
35+80	0,00	0,00	5,73	56,84	4121,81	6563,82	-2442,01
35+90	0,00	0,00	5,54	56,36	4121,81	6620,18	-2498,37
36+00	0,00	0,00	5,03	52,85	4121,81	6673,03	-2551,22
36+10	0,00	0,00	4,99	50,12	4121,81	6723,15	-2601,34
36+20	0,00	0,00	6,01	55,03	4121,81	6778,19	-2656,37
36+30	0,00	0,00	7,54	67,76	4121,81	6845,95	-2724,13
36+40	0,00	0,00	8,00	77,67	4121,81	6923,62	-2801,81
36+50	0,00	0,00	8,33	81,63	4121,81	7005,25	-2883,44
36+60	0,00	0,00	5,70	70,14	4121,81	7075,39	-2953,58
36+70	0,00	0,00	4,86	52,78	4121,81	7128,18	-3006,36
36+80	0,00	0,00	6,04	54,51	4121,81	7182,68	-3060,87
36+90	0,00	0,00	7,07	65,56	4121,81	7248,24	-3126,43
37+00	0,00	0,00	7,68	73,73	4121,81	7321,98	-3200,16
37+10	0,00	0,00	7,79	77,33	4121,81	7399,31	-3277,50
37+20	0,00	0,00	6,82	73,04	4121,81	7472,35	-3350,54
37+30	0,00	0,00	5,48	61,49	4121,81	7533,84	-3412,02
37+40	0,00	0,00	1,83	36,56	4121,81	7570,40	-3448,59
37+50	1,71	8,54	0,02	9,27	4130,36	7579,67	-3449,31
37+60	3,40	25,52	0,00	0,10	4155,88	7579,76	-3423,89
37+70	4,67	40,31	0,00	0,00	4196,19	7579,76	-3383,58
37+80	5,19	49,28	0,00	0,00	4245,47	7579,76	-3334,30
37+90	3,57	43,79	0,00	0,00	4289,26	7579,76	-3290,50
38+00	0,93	22,49	0,05	0,25	4311,76	7580,01	-3268,26
38+10	0,00	4,65	2,11	10,81	4316,41	7590,82	-3274,42
38+20	0,00	0,00	4,41	32,61	4316,41	7623,43	-3307,03
38+30	0,00	0,00	5,01	47,12	4316,41	7670,55	-3354,14
38+40	0,00	0,00	5,14	50,75	4316,41	7721,30	-3404,89
38+50	0,00	0,00	4,64	48,90	4316,41	7770,20	-3453,79
38+60	0,00	0,00	4,71	46,76	4316,41	7816,95	-3500,55
38+70	0,00	0,00	4,58	46,43	4316,41	7863,39	-3546,98
38+80	0,00	0,00	3,74	41,60	4316,41	7904,99	-3588,58
38+90	0,00	0,00	3,57	36,57	4316,41	7941,56	-3625,15
39+00	0,00	0,00	3,83	37,02	4316,41	7978,58	-3662,18
39+10	0,00	0,00	3,06	34,47	4316,41	8013,05	-3696,65

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
39+20	0,00	0,00	2,16	26,13	4316,41	8039,19	-3722,78
39+30	0,00	0,00	1,93	20,45	4316,41	8059,64	-3743,23
39+40	0,00	0,00	1,86	18,91	4316,41	8078,55	-3762,14
39+50	0,00	0,00	1,49	16,75	4316,41	8095,30	-3778,89
39+60	0,02	0,09	0,87	11,83	4316,50	8107,13	-3790,63
39+70	0,33	1,76	0,26	5,64	4318,26	8112,77	-3794,51
39+80	1,22	7,76	0,04	1,46	4326,02	8114,23	-3788,21
39+90	1,68	14,49	0,02	0,27	4340,51	8114,51	-3774,00
40+00	0,86	12,70	0,05	0,32	4353,21	8114,83	-3761,62
40+10	0,07	4,64	0,11	0,78	4357,85	8115,61	-3757,76
40+20	0,00	0,34	0,24	1,74	4358,19	8117,35	-3759,16
40+30	0,02	0,12	0,16	1,98	4358,31	8119,33	-3761,02
40+40	0,36	1,95	0,06	1,11	4360,25	8120,45	-3760,19
40+50	0,75	5,57	0,04	0,52	4365,82	8120,97	-3755,15
40+60	1,05	9,01	0,03	0,35	4374,83	8121,32	-3746,49
40+70	1,08	10,67	0,03	0,30	4385,49	8121,62	-3736,13
40+80	1,03	10,54	0,03	0,32	4396,04	8121,94	-3725,90
40+90	0,92	9,75	0,04	0,36	4405,79	8122,30	-3716,51
41+00	1,26	10,91	0,03	0,34	4416,70	8122,64	-3705,94
41+10	1,72	14,89	0,02	0,23	4431,59	8122,87	-3691,28
41+20	2,03	18,71	0,01	0,15	4450,30	8123,02	-3672,72
41+30	2,14	20,82	0,01	0,12	4471,12	8123,14	-3652,02
41+40	2,13	21,35	0,01	0,11	4492,46	8123,25	-3630,79
41+50	1,87	20,03	0,01	0,12	4512,49	8123,36	-3610,87
41+60	1,85	18,63	0,00	0,11	4531,12	8123,47	-3592,35
41+70	1,61	17,32	0,02	0,12	4548,44	8123,59	-3575,15
41+80	1,43	15,20	0,02	0,18	4563,64	8123,77	-3560,13
41+90	1,37	14,01	0,02	0,22	4577,65	8123,99	-3546,34
42+00	1,20	12,88	0,02	0,23	4590,54	8124,22	-3533,68
42+10	2,06	16,32	0,00	0,12	4606,86	8124,34	-3517,48
42+20	2,30	21,82	0,00	0,00	4628,68	8124,34	-3495,66
42+30	2,67	24,85	0,00	0,00	4653,53	8124,34	-3470,81
42+40	2,30	24,83	0,00	0,00	4678,36	8124,34	-3445,98
42+50	1,49	18,96	0,01	0,07	4697,33	8124,41	-3427,08
42+60	0,53	10,09	0,06	0,35	4707,42	8124,76	-3417,34
42+70	0,25	3,89	0,07	0,62	4711,31	8125,38	-3414,07
42+80	0,40	3,25	0,06	0,65	4714,56	8126,03	-3411,46
42+90	0,40	4,00	0,07	0,65	4718,56	8126,68	-3408,12
43+00	0,06	2,28	0,27	1,67	4720,85	8128,36	-3407,51
43+10	0,00	0,28	0,61	4,40	4721,13	8132,76	-3411,63
43+20	0,00	0,00	0,86	7,37	4721,13	8140,12	-3419,00
43+30	0,00	0,00	1,35	11,05	4721,13	8151,18	-3430,05
43+40	0,00	0,00	1,97	16,59	4721,13	8167,76	-3446,64
43+50	0,00	0,00	2,14	20,55	4721,13	8188,31	-3467,18
43+60	0,00	0,00	1,69	19,18	4721,13	8207,49	-3486,37
43+70	0,00	0,00	0,73	12,13	4721,13	8219,62	-3498,49
43+80	0,02	0,12	0,26	4,95	4721,25	8224,57	-3503,33
43+90	0,20	1,11	0,06	1,59	4722,36	8226,16	-3503,80
44+00	0,04	1,18	0,18	1,20	4723,54	8227,36	-3503,82
44+10	0,00	0,18	0,42	3,02	4723,72	8230,38	-3506,65
44+20	0,00	0,00	0,47	4,45	4723,72	8234,83	-3511,11
44+30	0,00	0,00	0,33	4,00	4723,72	8238,83	-3515,11
44+40	0,21	1,05	0,08	2,04	4724,78	8240,87	-3516,09
44+50	0,48	3,47	0,05	0,65	4728,25	8241,52	-3513,27
44+60	0,84	6,62	0,04	0,46	4734,87	8241,98	-3507,11
44+70	1,21	10,25	0,02	0,29	4745,11	8242,26	-3497,15
44+80	1,46	13,34	0,02	0,19	4758,45	8242,45	-3484,00

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
44+90	1,54	14,99	0,01	0,15	4773,45	8242,60	-3469,15
45+00	1,54	15,41	0,01	0,13	4788,86	8242,73	-3453,88
45+10	1,33	14,38	0,01	0,13	4803,23	8242,86	-3439,63
45+20	0,67	10,00	0,03	0,23	4813,23	8243,09	-3429,86
45+30	0,17	4,18	0,28	1,57	4817,41	8244,67	-3427,26
45+40	0,03	0,99	1,33	8,07	4818,40	8252,74	-3434,34
45+50	0,00	0,15	1,17	12,52	4818,55	8265,26	-3446,71
45+60	0,05	0,24	0,64	9,04	4818,79	8274,30	-3455,51
45+70	0,27	1,57	0,25	4,44	4820,36	8278,74	-3458,39
45+80	0,67	4,71	0,06	1,57	4825,07	8280,31	-3455,24
45+90	1,23	9,54	0,03	0,46	4834,61	8280,77	-3446,17
46+00	1,84	15,35	0,01	0,20	4849,95	8280,98	-3431,02
46+10	2,37	21,03	0,00	0,09	4870,98	8281,07	-3410,09
46+20	2,91	26,38	0,00	0,04	4897,36	8281,10	-3383,74
46+30	2,44	26,71	0,00	0,00	4924,07	8281,10	-3357,03
46+40	2,05	22,44	0,00	0,04	4946,51	8281,14	-3334,63
46+50	1,83	19,39	0,01	0,11	4965,90	8281,25	-3315,35
46+60	1,77	17,97	0,02	0,17	4983,87	8281,42	-3297,55
46+70	1,71	17,39	0,02	0,20	5001,26	8281,62	-3280,36
46+80	1,62	16,64	0,02	0,21	5017,90	8281,82	-3263,93
46+90	1,50	15,57	0,02	0,23	5033,46	8282,05	-3248,59
47+00	1,38	14,38	0,03	0,26	5047,84	8282,31	-3234,46
47+10	1,26	13,19	0,03	0,29	5061,04	8282,60	-3221,56
47+20	1,14	12,01	0,03	0,33	5073,05	8282,93	-3209,88
47+30	1,02	10,83	0,04	0,37	5083,87	8283,30	-3199,42
47+40	0,91	9,64	0,04	0,41	5093,52	8283,71	-3190,19
47+50	0,79	8,48	0,05	0,47	5102,00	8284,18	-3182,18
47+60	0,68	7,37	0,07	0,59	5109,37	8284,76	-3175,39
47+70	0,58	6,34	0,09	0,78	5115,71	8285,55	-3169,84
47+80	0,49	5,39	0,12	1,06	5121,09	8286,61	-3165,51
47+90	0,41	4,51	0,16	1,42	5125,60	8288,03	-3162,42
48+00	0,33	3,71	0,21	1,86	5129,31	8289,89	-3160,57
48+10	0,26	2,99	0,38	2,97	5132,30	8292,86	-3160,55
48+20	0,01	1,40	1,26	8,21	5133,70	8301,07	-3167,37
48+30	0,00	0,07	2,52	18,89	5133,77	8319,96	-3186,18
48+40	0,00	0,00	1,41	19,64	5133,77	8339,60	-3205,83
48+50	0,00	0,00	0,95	11,80	5133,77	8351,40	-3217,62
48+60	0,02	0,08	0,86	9,03	5133,85	8360,43	-3226,57
48+70	0,02	0,21	0,82	8,36	5134,06	8368,79	-3234,73
48+80	0,26	1,34	1,08	9,77	5135,40	8378,57	-3243,16
48+90	0,38	3,05	1,13	11,45	5138,46	8390,02	-3251,56
49+00	0,45	4,00	1,16	11,86	5142,46	8401,88	-3259,42
49+10	0,49	4,50	1,21	12,27	5146,96	8414,15	-3267,19
49+20	0,50	4,74	1,34	13,23	5151,70	8427,38	-3275,67
49+30	0,49	4,79	1,53	14,90	5156,49	8442,28	-3285,79
49+40	0,46	4,59	1,62	16,36	5161,08	8458,64	-3297,55
49+50	0,44	4,32	1,51	16,25	5165,40	8474,88	-3309,48
49+60	0,84	6,14	1,19	14,02	5171,55	8488,91	-3317,36
49+70	1,29	10,24	0,85	10,63	5181,78	8499,53	-3317,75
49+80	1,57	13,85	0,23	5,67	5195,63	8505,21	-3309,58
49+90	2,55	20,38	0,04	1,43	5216,01	8506,64	-3290,63
50+00	2,25	24,01	0,05	0,49	5240,02	8507,13	-3267,11
50+10	2,10	21,77	0,07	0,64	5261,79	8507,77	-3245,99
50+20	1,27	16,85	0,26	1,69	5278,63	8509,46	-3230,83
50+30	0,68	9,74	0,27	2,67	5288,37	8512,13	-3223,76
50+40	1,47	10,74	0,04	1,57	5299,11	8513,70	-3214,59
50+50	1,97	17,18	0,05	0,45	5316,29	8514,15	-3197,86

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
50+60	1,45	17,08	0,10	0,75	5333,37	8514,90	-3181,53
50+70	1,14	12,95	0,24	1,72	5346,32	8516,61	-3170,29
50+80	0,98	10,62	0,33	2,86	5356,95	8519,47	-3162,53
50+90	0,84	9,11	0,44	3,83	5366,06	8523,31	-3157,25
51+00	0,81	8,24	0,50	4,66	5374,30	8527,97	-3153,68
51+10	1,09	9,47	0,42	4,58	5383,77	8532,55	-3148,78
51+20	1,30	11,94	0,10	2,61	5395,71	8535,16	-3139,45
51+30	2,05	16,76	0,00	0,52	5412,47	8535,68	-3123,21
51+40	3,11	25,79	0,00	0,00	5438,26	8535,68	-3097,42
51+50	3,70	34,03	0,00	0,00	5472,29	8535,68	-3063,39
51+60	3,52	36,11	0,00	0,00	5508,39	8535,68	-3027,29
51+70	2,89	32,06	0,00	0,00	5540,45	8535,68	-2995,23
51+80	1,94	24,15	0,01	0,07	5564,60	8535,75	-2971,15
51+90	0,95	14,48	0,05	0,30	5579,09	8536,05	-2956,96
52+00	0,45	7,01	0,32	1,81	5586,10	8537,86	-2951,76
52+10	1,24	8,45	0,05	1,85	5594,55	8539,70	-2945,16
52+20	1,69	14,68	0,02	0,37	5609,22	8540,07	-2930,85
52+30	1,02	13,58	0,03	0,28	5622,80	8540,35	-2917,55
52+40	0,34	6,82	0,13	0,81	5629,61	8541,15	-2911,54
52+50	0,10	2,22	0,28	2,01	5631,83	8543,17	-2911,33
52+60	0,09	0,96	0,14	2,09	5632,80	8545,26	-2912,47
52+70	0,00	0,46	1,15	6,47	5633,25	8551,73	-2918,48
52+80	0,02	0,11	0,73	9,40	5633,36	8561,13	-2927,77
52+90	0,65	3,36	0,31	5,17	5636,72	8566,31	-2929,59
53+00	0,95	8,00	0,39	3,49	5644,72	8569,79	-2925,08
53+10	0,78	8,64	0,53	4,62	5653,36	8574,41	-2921,05
53+20	0,56	6,69	0,68	6,03	5660,05	8580,45	-2920,39
53+30	0,49	5,25	0,88	7,78	5665,30	8588,23	-2922,93
53+40	0,52	5,06	0,88	8,78	5670,36	8597,01	-2926,65
53+50	0,87	6,96	0,63	7,54	5677,32	8604,55	-2927,23
53+60	1,13	9,98	0,49	5,62	5687,29	8610,16	-2922,87
53+70	0,92	10,26	0,48	4,84	5697,55	8615,00	-2917,45
53+80	0,24	5,80	0,71	5,95	5703,35	8620,95	-2917,60
53+90	0,64	4,41	0,31	5,11	5707,76	8626,06	-2918,30
54+00	1,20	9,23	0,24	2,75	5716,99	8628,81	-2911,82
54+10	0,74	9,68	0,52	3,80	5726,67	8632,61	-2905,94
54+20	0,22	4,76	1,29	9,02	5731,43	8641,63	-2910,20
54+30	0,06	1,38	2,01	16,48	5732,81	8658,11	-2925,30
54+40	0,16	1,08	1,80	19,03	5733,89	8677,14	-2943,25
54+50	0,26	2,10	1,50	16,47	5735,99	8693,60	-2957,61
54+60	0,35	3,07	1,34	14,20	5739,06	8707,80	-2968,74
54+70	0,47	4,09	1,22	12,79	5743,15	8720,59	-2977,44
54+80	0,70	5,84	1,00	11,06	5748,98	8731,65	-2982,67
54+90	1,00	8,49	0,71	8,54	5757,48	8740,19	-2982,72
55+00	1,34	11,68	0,48	5,95	5769,16	8746,14	-2976,98
55+10	1,91	16,25	0,24	3,59	5785,41	8749,73	-2964,32
55+20	2,22	20,67	0,13	1,83	5806,09	8751,56	-2945,48
55+30	1,93	20,76	0,05	0,90	5826,84	8752,47	-2925,62
55+40	2,44	21,85	0,07	0,61	5848,69	8753,08	-2904,39
55+50	2,46	24,54	0,12	0,95	5873,23	8754,03	-2880,80
55+60	1,55	20,08	0,43	2,74	5893,30	8756,76	-2863,46
55+70	0,95	12,51	0,59	5,05	5905,81	8761,82	-2856,01
55+80	0,67	8,12	0,89	7,40	5913,93	8769,21	-2855,28
55+90	0,86	7,68	0,66	7,79	5921,61	8777,00	-2855,40
56+00	1,04	9,49	0,53	5,97	5931,10	8782,98	-2851,88
56+10	1,13	10,85	0,48	5,06	5941,94	8788,03	-2846,09
56+20	1,29	12,13	0,38	4,30	5954,07	8792,33	-2838,26

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
56+30	1,36	13,24	0,36	3,67	5967,32	8796,01	-2828,69
56+40	1,47	14,12	0,31	3,30	5981,44	8799,31	-2817,87
56+50	1,57	15,19	0,25	2,78	5996,63	8802,09	-2805,46
56+60	1,28	14,26	0,36	3,05	6010,89	8805,14	-2794,25
56+70	0,92	11,01	0,63	4,94	6021,90	8810,09	-2788,19
56+80	0,73	8,24	0,91	7,68	6030,14	8817,77	-2787,63
56+90	0,66	6,94	0,98	9,45	6037,08	8827,21	-2790,14
57+00	0,52	5,87	1,21	10,96	6042,95	8838,18	-2795,23
57+10	0,46	4,87	1,35	12,83	6047,83	8851,00	-2803,18
57+20	0,42	4,40	1,48	14,15	6052,23	8865,15	-2812,92
57+30	0,53	4,73	1,31	13,91	6056,96	8879,06	-2822,10
57+40	0,81	6,69	0,92	11,14	6063,65	8890,20	-2826,55
57+50	0,76	7,85	0,97	9,48	6071,50	8899,68	-2828,17
57+60	0,69	7,22	1,07	10,21	6078,72	8909,89	-2831,17
57+70	0,72	7,02	1,06	10,64	6085,74	8920,52	-2834,78
57+80	0,73	7,24	1,02	10,39	6092,98	8930,91	-2837,93
57+90	0,79	7,59	0,95	9,87	6100,57	8940,78	-2840,22
58+00	0,80	7,94	0,93	9,41	6108,51	8950,19	-2841,69
58+10	0,79	7,97	0,91	9,19	6116,48	8959,39	-2842,90
58+20	0,74	7,68	0,96	9,35	6124,17	8968,74	-2844,57
58+30	0,87	8,06	0,83	8,97	6132,23	8977,71	-2845,48
58+40	0,89	8,80	0,84	8,39	6141,02	8986,10	-2845,08
58+50	1,00	9,45	0,76	8,02	6150,48	8994,12	-2843,65
58+60	1,05	10,24	0,80	7,80	6160,72	9001,92	-2841,21
58+70	1,03	10,41	0,78	7,89	6171,13	9009,81	-2838,68
58+80	1,23	11,29	0,60	6,91	6182,42	9016,72	-2834,30
58+90	1,35	12,88	0,49	5,47	6195,30	9022,19	-2826,89
59+00	1,35	13,49	0,43	4,63	6208,79	9026,82	-2818,03
59+10	1,66	15,05	0,32	3,79	6223,84	9030,62	-2806,77
59+20	1,73	16,95	0,34	3,33	6240,79	9033,95	-2793,15
59+30	1,54	16,33	0,43	3,85	6257,12	9037,80	-2780,67
59+40	1,35	14,47	0,51	4,68	6271,60	9042,48	-2770,88
59+50	1,03	11,91	0,72	6,15	6283,51	9048,63	-2765,12
59+60	0,62	8,26	1,14	9,29	6291,77	9057,91	-2766,14
59+70	0,60	6,13	1,20	11,68	6297,90	9069,59	-2771,69
59+80	0,76	6,83	1,02	11,08	6304,73	9080,67	-2775,94
59+90	0,51	6,37	1,34	11,80	6311,10	9092,46	-2781,37
60+00	0,49	5,00	1,51	14,26	6316,10	9106,72	-2790,62
60+10	0,50	4,95	1,55	15,30	6321,05	9122,03	-2800,97
60+20	0,51	5,06	1,57	15,62	6326,11	9137,64	-2811,53
60+30	0,77	6,42	1,21	13,89	6332,53	9151,53	-2819,00
60+40	1,01	8,89	0,98	10,94	6341,42	9162,47	-2821,04
60+50	1,05	10,28	1,15	10,66	6351,70	9173,12	-2821,42
60+60	1,34	11,96	0,88	10,14	6363,67	9183,26	-2819,59
60+70	1,43	13,86	0,76	8,17	6377,53	9191,43	-2813,90
60+80	1,56	14,96	0,90	8,26	6392,49	9199,70	-2807,21
60+90	0,84	12,03	1,59	12,44	6404,52	9212,14	-2807,62
61+00	0,84	8,43	1,40	14,95	6412,95	9227,09	-2814,14
61+10	0,11	4,77	2,77	20,83	6417,72	9247,92	-2830,20
61+20	0,00	0,55	4,64	37,05	6418,27	9284,98	-2866,70
61+30	0,04	0,21	2,17	34,09	6418,48	9319,06	-2900,58
61+40	1,54	7,91	0,66	14,15	6426,39	9333,21	-2906,82
61+50	2,64	20,89	0,20	4,29	6447,28	9337,51	-2890,22
61+60	4,18	34,11	0,47	3,35	6481,39	9340,85	-2859,46
61+70	3,92	40,51	0,58	5,25	6521,90	9346,10	-2824,20
61+80	2,13	30,23	0,94	7,62	6552,13	9353,72	-2801,59
61+90	2,05	20,88	0,27	6,07	6573,01	9359,79	-2786,78

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
62+00	5,05	35,51	0,00	1,37	6608,52	9361,17	-2752,65
62+10	9,71	73,81	0,00	0,00	6682,33	9361,17	-2678,84
62+20	13,97	118,38	0,00	0,00	6800,70	9361,17	-2560,47
62+30	6,81	103,87	0,00	0,00	6904,57	9361,17	-2456,60
62+40	3,19	50,01	0,00	0,01	6954,57	9361,18	-2406,61
62+50	2,69	29,43	0,27	1,37	6984,00	9362,55	-2378,55
62+60	1,66	21,78	0,89	5,82	7005,78	9368,37	-2362,59
62+70	0,80	12,30	2,24	15,64	7018,08	9384,01	-2365,93
62+80	0,47	6,33	3,37	28,02	7024,41	9412,04	-2387,62
62+90	0,60	5,34	2,26	28,13	7029,76	9440,17	-2410,41
63+00	0,69	6,44	2,12	21,90	7036,20	9462,06	-2425,86
63+10	0,48	5,75	2,59	23,89	7041,94	9485,95	-2444,00
63+20	0,18	3,24	3,86	32,66	7045,19	9518,61	-2473,42
63+30	0,21	1,90	3,70	38,22	7047,09	9556,82	-2509,73
63+40	0,26	2,29	3,33	35,57	7049,38	9592,39	-2543,01
63+50	0,20	2,27	3,51	34,61	7051,66	9627,01	-2575,35
63+60	0,03	1,15	4,91	42,57	7052,80	9669,58	-2616,78
63+70	0,01	0,19	5,01	50,13	7053,00	9719,71	-2666,71
63+80	0,05	0,29	4,49	47,98	7053,29	9767,69	-2714,40
63+90	0,10	0,73	3,68	41,29	7054,02	9808,97	-2754,95
64+00	0,00	0,48	5,10	44,35	7054,50	9853,32	-2798,82
64+10	0,00	0,00	5,38	52,89	7054,50	9906,21	-2851,71
64+20	0,00	0,02	4,66	50,63	7054,52	9956,85	-2902,33
64+30	0,05	0,27	3,37	40,49	7054,79	9997,34	-2942,55
64+40	0,32	1,82	2,20	28,17	7056,61	10025,51	-2968,90
64+50	0,65	4,76	1,48	18,65	7061,37	10044,16	-2982,79
64+60	1,11	8,66	0,90	12,04	7070,03	10056,20	-2986,17
64+70	2,17	16,22	0,41	6,64	7086,25	10062,84	-2976,59
64+80	3,21	26,65	0,32	3,71	7112,90	10066,56	-2953,66
64+90	3,13	31,45	0,08	2,04	7144,34	10068,60	-2924,25
65+00	1,27	21,83	0,56	3,25	7166,17	10071,85	-2905,68
65+10	0,51	8,81	1,95	12,73	7174,99	10084,58	-2909,59
65+20	0,43	4,64	2,25	21,31	7179,62	10105,89	-2926,27
65+30	0,44	4,30	2,77	25,44	7183,92	10131,33	-2947,41
65+40	0,04	2,39	4,89	38,74	7186,31	10170,07	-2983,76
65+50	0,00	0,21	6,37	56,77	7186,52	10226,84	-3040,32
65+60	0,00	0,00	7,97	72,29	7186,52	10299,13	-3112,61
65+70	0,00	0,00	8,58	83,51	7186,52	10382,64	-3196,12
65+80	0,00	0,00	8,65	86,97	7186,52	10469,60	-3283,08
65+90	0,15	0,71	7,14	79,78	7187,23	10549,39	-3362,15
66+00	0,00	0,71	5,92	66,08	7187,94	10615,46	-3427,52
66+10	0,00	0,00	5,97	59,85	7187,94	10675,32	-3487,37
66+20	0,00	0,00	4,74	53,55	7187,94	10728,86	-3540,92
66+30	0,00	0,00	4,97	48,54	7187,94	10777,40	-3589,46
66+40	0,00	0,00	5,14	50,58	7187,94	10827,99	-3640,04
66+50	0,00	0,00	4,61	48,78	7187,94	10876,77	-3688,82
66+60	0,02	0,08	2,99	38,02	7188,03	10914,79	-3726,76
66+70	0,06	0,37	1,35	21,72	7188,40	10936,50	-3748,10
66+80	0,06	0,58	1,23	12,93	7188,99	10949,43	-3760,44
66+90	0,12	0,90	0,95	10,91	7189,89	10960,34	-3770,45
67+00	0,20	1,59	0,42	6,81	7191,48	10967,15	-3775,68
67+10	0,08	1,36	0,30	3,59	7192,83	10970,74	-3777,91
67+20	0,00	0,38	1,73	10,17	7193,21	10980,91	-3787,70
67+30	0,00	0,00	3,06	24,12	7193,22	11005,03	-3811,82
67+40	0,00	0,00	4,16	36,31	7193,22	11041,34	-3848,13
67+50	0,00	0,00	4,88	45,45	7193,22	11086,79	-3893,58
67+60	0,00	0,00	4,54	47,36	7193,22	11134,16	-3940,94

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
67+70	0,00	0,00	1,79	31,87	7193,22	11166,02	-3972,81
67+76.020	0,31	0,95	0,19	6,01	7194,16	11172,04	-3977,88
TOTAL GEOMÉTRICO					7.194,16	11.172,04	- 3.977,88
TOTAL COM FATOR APLICADO					8.992,70	13.965,05	- 4.972,35

EIXO 02

Estaca Inicial: 0+00

Estaca Final: 49+49.147

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+00	0,58	0,00	0,73	0,00	0,00	0,00	0,00
0+10	0,37	4,59	0,98	8,81	4,59	8,81	-4,21
0+20	0,23	2,92	1,25	11,40	7,52	20,21	-12,69
0+30	0,11	1,71	1,56	14,08	9,23	34,29	-25,06
0+40	0,04	0,77	1,91	17,35	10,00	51,64	-41,65
0+50	0,00	0,21	2,30	21,04	10,21	72,68	-62,47
0+60	0,00	0,02	2,73	25,13	10,22	97,81	-87,58
0+70	0,00	0,00	3,11	29,17	10,22	126,98	-116,75
0+80	0,00	0,00	3,16	31,36	10,22	158,34	-148,12
0+90	0,00	0,00	3,43	32,99	10,22	191,33	-181,10
1+00	0,00	0,00	3,48	34,57	10,22	225,90	-215,67
1+10	0,60	3,01	1,10	22,88	13,23	248,78	-235,55
1+20	1,12	8,61	1,02	10,60	21,85	259,38	-237,53
1+30	0,33	7,36	0,45	7,26	29,21	266,64	-237,43
1+40	0,36	3,50	0,08	2,61	32,71	269,25	-236,54
1+50	0,00	1,82	1,70	8,89	34,53	278,14	-243,62
1+60	0,23	1,15	1,51	16,04	35,67	294,19	-258,51
1+70	0,00	1,12	2,38	19,63	36,80	313,82	-277,02
1+80	0,00	0,00	2,60	25,21	36,80	339,03	-302,23
1+90	0,00	0,00	3,65	31,50	36,80	370,53	-333,73
2+00	0,00	0,00	4,14	39,16	36,80	409,69	-372,89
2+10	0,00	0,00	4,98	45,71	36,80	455,40	-418,60
2+20	0,00	0,00	4,53	47,66	36,80	503,06	-466,26
2+30	0,00	0,00	2,59	35,63	36,80	538,68	-501,88
2+40	1,51	7,50	0,19	13,90	44,30	552,58	-508,28
2+50	8,92	52,17	0,00	0,96	96,47	553,54	-457,07
2+60	17,44	131,84	0,00	0,00	228,31	553,54	-325,23
2+70	22,23	198,35	0,00	0,00	426,66	553,54	-126,88
2+80	17,28	197,54	0,00	0,00	624,20	553,54	70,66
2+90	12,14	147,09	0,00	0,00	771,29	553,54	217,75
3+00	7,62	98,69	0,00	0,00	869,98	553,54	316,44
3+10	4,35	59,67	0,00	0,00	929,65	553,54	376,11
3+20	2,41	33,63	0,00	0,04	963,28	553,58	409,70
3+30	1,42	19,02	0,03	0,22	982,30	553,80	428,49
3+40	0,71	10,55	0,08	0,57	992,84	554,37	438,47
3+50	0,38	5,35	0,20	1,42	998,19	555,79	442,40
3+60	0,21	2,89	0,25	2,29	1001,08	558,08	443,00
3+70	0,11	1,57	0,35	3,06	1002,65	561,14	441,52
3+80	0,18	1,42	0,39	3,71	1004,07	564,84	439,22
3+90	0,03	1,02	0,56	4,75	1005,08	569,60	435,49
4+00	0,00	0,13	1,02	7,92	1005,22	577,51	427,71
4+10	0,00	0,00	1,59	13,04	1005,22	590,55	414,67
4+20	0,00	0,00	2,38	19,85	1005,22	610,40	394,82
4+30	0,00	0,00	2,99	26,88	1005,22	637,29	367,93
4+40	0,00	0,00	2,27	26,30	1005,22	663,59	341,63
4+50	0,00	0,00	1,14	17,02	1005,22	680,61	324,61

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
4+60	0,16	0,78	0,10	6,17	1006,00	686,78	319,21
4+70	0,12	1,36	0,10	0,99	1007,36	687,77	319,59
4+80	0,04	0,77	0,36	2,30	1008,12	690,07	318,05
4+90	0,00	0,18	1,12	7,38	1008,31	697,45	310,86
5+00	0,00	0,00	1,54	13,29	1008,31	710,74	297,57
5+10	0,00	0,00	1,13	13,35	1008,31	724,08	284,23
5+20	0,00	0,00	0,81	9,68	1008,31	733,76	274,55
5+30	0,00	0,00	0,73	7,68	1008,31	741,44	266,87
5+40	0,03	0,14	0,95	8,40	1008,45	749,84	258,61
5+50	0,00	0,15	0,30	6,24	1008,61	756,08	252,52
5+60	1,35	6,76	0,01	1,55	1015,36	757,63	257,73
5+70	1,41	13,78	0,02	0,17	1029,14	757,81	271,33
5+80	0,51	9,57	0,07	0,46	1038,71	758,27	280,45
5+90	0,00	2,55	0,64	3,57	1041,26	761,83	279,43
6+00	0,00	0,00	1,75	11,98	1041,26	773,81	267,45
6+10	0,00	0,00	2,87	23,09	1041,26	796,90	244,36
6+20	0,00	0,00	3,30	30,84	1041,26	827,74	213,52
6+30	0,00	0,00	2,77	30,35	1041,26	858,09	183,17
6+40	0,00	0,00	2,53	26,48	1041,26	884,57	156,69
6+50	0,00	0,00	2,92	27,24	1041,26	911,81	129,45
6+60	0,00	0,00	2,36	26,40	1041,26	938,21	103,05
6+70	0,43	2,16	1,01	16,84	1043,42	955,06	88,36
6+80	0,25	3,40	0,80	9,04	1046,82	964,10	82,72
6+90	0,00	1,25	0,64	7,23	1048,07	971,33	76,74
7+00	0,00	0,00	1,41	10,26	1048,07	981,59	66,48
7+10	0,00	0,00	1,80	16,03	1048,07	997,62	50,45
7+20	0,00	0,00	1,42	16,08	1048,07	1013,70	34,37
7+30	0,00	0,00	1,04	12,31	1048,07	1026,00	22,07
7+40	0,00	0,00	0,68	8,62	1048,07	1034,62	13,45
7+50	0,00	0,00	0,34	5,10	1048,07	1039,72	8,35
7+60	0,06	0,33	0,11	2,24	1048,40	1041,96	6,44
7+70	0,21	1,39	0,08	0,97	1049,79	1042,93	6,87
7+80	0,28	2,44	0,08	0,82	1052,23	1043,75	8,48
7+90	0,28	2,76	0,07	0,75	1055,00	1044,50	10,50
8+00	0,00	1,41	0,58	3,25	1056,41	1047,74	8,66
8+10	0,00	0,00	1,55	10,62	1056,41	1058,37	-1,96
8+20	0,00	0,00	2,53	20,36	1056,41	1078,73	-22,32
8+30	0,00	0,00	3,49	30,06	1056,41	1108,79	-52,38
8+40	0,00	0,00	3,77	36,28	1056,41	1145,07	-88,66
8+50	0,00	0,00	3,14	34,58	1056,41	1179,65	-123,24
8+60	0,00	0,00	2,44	27,87	1056,41	1207,52	-151,12
8+70	0,00	0,00	1,78	21,06	1056,41	1228,59	-172,18
8+80	0,00	0,00	1,15	14,63	1056,41	1243,22	-186,81
8+90	0,00	0,00	0,54	8,45	1056,41	1251,66	-195,25
9+00	0,08	0,41	0,14	3,40	1056,81	1255,06	-198,25
9+10	0,05	0,66	0,28	2,08	1057,48	1257,14	-199,67
9+20	0,02	0,33	0,29	2,81	1057,81	1259,95	-202,15
9+30	0,02	0,16	0,15	2,21	1057,96	1262,16	-204,20
9+40	0,04	0,28	0,09	1,22	1058,24	1263,38	-205,14
9+50	0,14	0,89	0,08	0,84	1059,13	1264,22	-205,09
9+60	0,25	1,96	0,07	0,73	1061,09	1264,95	-203,86
9+70	0,33	2,92	0,06	0,67	1064,01	1265,62	-201,61
9+80	0,32	3,23	0,06	0,64	1067,24	1266,26	-199,02
9+90	0,21	2,64	0,07	0,69	1069,88	1266,95	-197,07
10+00	0,06	1,34	0,13	0,99	1071,22	1267,94	-196,72
10+10	0,00	0,32	0,20	1,61	1071,55	1269,55	-198,00
10+20	0,16	0,83	0,07	1,34	1072,38	1270,89	-198,51

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
10+30	0,35	2,52	0,06	0,66	1074,90	1271,55	-196,65
10+40	0,46	4,04	0,06	0,58	1078,94	1272,13	-193,19
10+50	0,50	4,83	0,05	0,54	1083,77	1272,67	-188,90
10+60	0,45	4,78	0,06	0,55	1088,55	1273,22	-184,67
10+70	0,36	4,06	0,06	0,60	1092,61	1273,83	-181,21
10+80	0,27	3,16	0,08	0,70	1095,77	1274,53	-178,76
10+90	0,20	2,36	0,11	0,91	1098,13	1275,44	-177,31
11+00	0,14	1,70	0,15	1,27	1099,83	1276,71	-176,88
11+10	0,09	1,17	0,20	1,74	1101,00	1278,45	-177,46
11+20	0,06	0,75	0,27	2,34	1101,74	1280,79	-179,05
11+30	0,04	0,49	0,31	2,88	1102,23	1283,67	-181,44
11+40	0,05	0,46	0,30	3,03	1102,69	1286,70	-184,01
11+50	0,09	0,73	0,23	2,62	1103,42	1289,32	-185,90
11+60	0,20	1,46	0,14	1,84	1104,88	1291,16	-186,28
11+70	0,08	1,40	0,21	1,76	1106,29	1292,91	-186,63
11+80	0,00	0,44	0,42	3,19	1106,73	1296,10	-189,37
11+90	0,00	0,03	0,70	5,62	1106,76	1301,72	-194,96
12+00	0,00	0,00	0,89	7,97	1106,76	1309,69	-202,93
12+10	0,00	0,00	0,99	9,39	1106,76	1319,08	-212,32
12+20	0,00	0,00	0,99	9,87	1106,76	1328,95	-222,19
12+30	0,00	0,00	0,95	9,72	1106,76	1338,67	-231,91
12+40	0,00	0,00	0,92	9,36	1106,76	1348,03	-241,27
12+50	0,00	0,00	0,88	8,98	1106,76	1357,01	-250,25
12+60	0,00	0,00	0,84	8,57	1106,76	1365,57	-258,82
12+70	0,00	0,00	0,79	8,15	1106,76	1373,72	-266,97
12+80	0,00	0,00	0,75	7,73	1106,76	1381,45	-274,70
12+90	0,00	0,00	0,71	7,31	1106,76	1388,76	-282,01
13+00	0,00	0,00	0,71	7,09	1106,76	1395,85	-289,10
13+10	0,00	0,00	0,74	7,24	1106,76	1403,09	-296,33
13+20	0,00	0,00	0,77	7,57	1106,76	1410,66	-303,90
13+30	0,00	0,00	0,81	7,90	1106,76	1418,56	-311,80
13+40	0,00	0,00	0,84	8,23	1106,76	1426,78	-320,02
13+50	0,00	0,00	0,87	8,54	1106,76	1435,32	-328,56
13+60	0,00	0,00	0,88	8,74	1106,76	1444,06	-337,30
13+70	0,00	0,00	0,88	8,81	1106,77	1452,87	-346,10
13+80	0,07	0,36	0,61	7,45	1107,13	1460,33	-353,20
13+90	0,24	1,55	0,32	4,66	1108,68	1464,99	-356,30
14+00	0,50	3,72	0,14	2,31	1112,40	1467,29	-354,89
14+10	0,86	6,83	0,05	0,95	1119,23	1468,24	-349,01
14+20	1,03	9,44	0,05	0,48	1128,67	1468,72	-340,05
14+30	0,73	8,81	0,09	0,66	1137,48	1469,38	-331,90
14+40	0,49	6,14	0,18	1,35	1143,62	1470,74	-327,12
14+50	0,38	4,38	0,27	2,27	1148,00	1473,01	-325,01
14+60	0,27	3,27	0,39	3,28	1151,27	1476,29	-325,03
14+70	0,20	2,35	0,46	4,21	1153,62	1480,50	-326,88
14+80	0,22	2,10	0,42	4,37	1155,72	1484,87	-329,15
14+90	0,21	2,15	0,63	5,23	1157,87	1490,10	-332,22
15+00	0,14	1,76	0,78	7,02	1159,63	1497,12	-337,49
15+10	0,12	1,30	0,86	8,18	1160,93	1505,30	-344,37
15+20	0,18	1,51	0,78	8,22	1162,44	1513,52	-351,08
15+30	0,30	2,45	0,59	6,87	1164,89	1520,39	-355,50
15+40	0,32	3,12	0,54	5,64	1168,01	1526,03	-358,02
15+50	0,39	3,52	0,50	5,18	1171,53	1531,21	-359,68
15+60	0,52	4,51	0,40	4,46	1176,04	1535,68	-359,63
15+70	0,53	5,26	0,31	3,52	1181,30	1539,20	-357,90
15+80	0,59	5,63	0,31	3,09	1186,93	1542,29	-355,35
15+90	0,79	6,89	0,21	2,59	1193,82	1544,88	-351,06

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
16+00	0,81	7,98	0,20	2,03	1201,80	1546,91	-345,11
16+10	0,68	7,48	0,24	2,20	1209,28	1549,11	-339,83
16+20	0,58	6,33	0,28	2,63	1215,60	1551,73	-336,13
16+30	0,82	6,99	0,06	1,72	1222,60	1553,46	-330,86
16+40	1,57	11,92	0,03	0,44	1234,51	1553,90	-319,39
16+50	2,27	19,20	0,02	0,22	1253,72	1554,12	-300,40
16+60	1,89	20,83	0,04	0,30	1274,54	1554,42	-279,87
16+70	1,56	17,26	0,09	0,65	1291,80	1555,07	-263,27
16+80	1,61	15,85	0,08	0,85	1307,65	1555,92	-248,27
16+90	1,41	15,10	0,09	0,83	1322,75	1556,75	-234,00
17+00	1,05	12,29	0,16	1,20	1335,04	1557,95	-222,91
17+10	0,64	8,43	0,31	2,31	1343,47	1560,26	-216,79
17+20	0,24	4,39	0,56	4,34	1347,85	1564,60	-216,75
17+30	0,03	1,35	1,11	8,34	1349,20	1572,94	-223,74
17+40	0,01	0,22	1,24	11,73	1349,42	1584,67	-235,25
17+50	0,13	0,70	0,76	10,00	1350,12	1594,67	-244,55
17+60	0,28	2,04	0,34	5,52	1352,17	1600,19	-248,02
17+70	0,62	4,50	0,04	1,89	1356,67	1602,08	-245,42
17+80	0,50	5,60	0,05	0,45	1362,27	1602,53	-240,26
17+90	0,00	2,52	0,86	4,57	1364,79	1607,10	-242,31
18+00	0,26	1,30	0,14	5,03	1366,09	1612,13	-246,04
18+10	0,45	3,57	0,07	1,06	1369,65	1613,19	-243,53
18+20	0,71	5,82	0,04	0,56	1375,48	1613,75	-238,27
18+30	1,00	8,57	0,03	0,36	1384,04	1614,11	-230,07
18+40	1,31	11,58	0,02	0,23	1395,63	1614,34	-218,71
18+50	1,38	13,49	0,00	0,11	1409,11	1614,45	-205,34
18+60	2,14	17,61	0,00	0,03	1426,73	1614,48	-187,75
18+70	1,52	18,31	0,00	0,00	1445,04	1614,48	-169,44
18+80	1,05	12,86	0,02	0,09	1457,90	1614,57	-156,67
18+90	0,69	8,70	0,04	0,30	1466,60	1614,87	-148,27
19+00	0,36	5,23	0,06	0,52	1471,83	1615,38	-143,55
19+10	0,05	2,05	0,13	0,95	1473,88	1616,34	-142,46
19+20	0,00	0,26	0,45	2,92	1474,14	1619,26	-145,12
19+30	0,00	0,00	0,48	4,68	1474,14	1623,93	-149,79
19+40	0,00	0,00	0,36	4,20	1474,14	1628,14	-153,99
19+50	0,00	0,01	0,20	2,82	1474,15	1630,95	-156,80
19+60	0,17	0,84	0,09	1,44	1474,99	1632,40	-157,41
19+70	0,62	3,94	0,04	0,65	1478,93	1633,05	-154,12
19+80	1,00	8,09	0,03	0,35	1487,02	1633,40	-146,38
19+90	1,15	10,73	0,02	0,21	1497,75	1633,61	-135,86
20+00	1,47	13,09	0,00	0,11	1510,84	1633,72	-122,88
20+10	1,62	15,45	0,00	0,03	1526,30	1633,75	-107,45
20+20	1,32	14,73	0,01	0,06	1541,03	1633,81	-92,78
20+30	0,86	10,91	0,03	0,21	1551,93	1634,03	-82,09
20+40	0,62	7,40	0,05	0,39	1559,33	1634,42	-75,09
20+50	0,37	4,93	0,06	0,54	1564,26	1634,95	-70,69
20+60	0,28	3,24	0,06	0,59	1567,50	1635,55	-68,05
20+70	0,46	3,72	0,05	0,53	1571,22	1636,08	-64,86
20+80	0,77	6,18	0,04	0,45	1577,40	1636,53	-59,13
20+90	0,97	8,72	0,03	0,36	1586,12	1636,89	-50,77
21+00	0,00	4,84	1,13	5,82	1590,96	1642,71	-51,75
21+10	0,00	0,00	1,90	15,19	1590,96	1657,90	-66,94
21+20	0,00	0,00	2,55	22,27	1590,96	1680,18	-89,21
21+30	0,00	0,00	2,98	27,66	1590,96	1707,84	-116,88
21+40	0,00	0,00	3,11	30,45	1590,96	1738,29	-147,32
21+50	0,00	0,00	2,60	28,52	1590,96	1766,81	-175,85
21+60	0,00	0,00	2,01	23,03	1590,96	1789,84	-198,88

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
21+70	0,00	0,00	1,63	18,21	1590,96	1808,05	-217,09
21+80	0,00	0,00	1,18	14,06	1590,96	1822,11	-231,15
21+90	0,00	0,00	0,98	10,83	1590,96	1832,94	-241,97
22+00	0,00	0,00	1,33	11,59	1590,96	1844,53	-253,57
22+10	0,00	0,00	1,41	13,72	1590,96	1858,24	-267,28
22+20	0,00	0,00	1,37	13,90	1590,96	1872,15	-281,18
22+30	0,00	0,00	1,39	13,80	1590,96	1885,95	-294,99
22+40	0,00	0,00	1,69	15,38	1590,96	1901,32	-310,36
22+50	0,00	0,00	1,76	17,21	1590,96	1918,54	-327,57
22+60	0,00	0,00	1,62	16,87	1590,96	1935,40	-344,44
22+70	0,02	0,12	1,25	14,33	1591,08	1949,74	-358,66
22+80	0,08	0,53	0,84	10,45	1591,61	1960,18	-368,57
22+90	0,10	0,92	0,79	8,18	1592,54	1968,36	-375,82
23+00	0,28	1,93	0,47	6,33	1594,46	1974,69	-380,23
23+10	0,37	3,27	0,43	4,51	1597,73	1979,20	-381,47
23+20	0,35	3,61	0,44	4,37	1601,34	1983,58	-382,24
23+30	0,31	3,32	0,49	4,66	1604,66	1988,24	-383,58
23+40	0,21	2,59	0,64	5,62	1607,25	1993,86	-386,61
23+50	0,11	1,56	0,84	7,37	1608,81	2001,23	-392,42
23+60	0,01	0,60	1,37	11,05	1609,41	2012,28	-402,87
23+70	0,00	0,07	1,73	15,49	1609,48	2027,77	-418,30
23+80	0,00	0,00	2,05	18,87	1609,48	2046,64	-437,16
23+90	0,00	0,00	1,79	19,16	1609,48	2065,80	-456,32
24+00	0,00	0,00	1,51	16,50	1609,48	2082,29	-472,82
24+10	0,00	0,01	1,11	13,10	1609,49	2095,39	-485,90
24+20	0,00	0,01	1,43	12,65	1609,50	2108,05	-498,55
24+30	0,00	0,00	1,42	14,21	1609,50	2122,26	-512,76
24+40	0,07	0,37	0,60	10,08	1609,87	2132,34	-522,47
24+50	0,31	1,93	0,29	4,44	1611,81	2136,79	-524,98
24+60	0,34	3,27	0,26	2,76	1615,08	2139,54	-524,46
24+70	0,25	2,98	0,44	3,50	1618,06	2143,04	-524,98
24+80	0,53	3,92	0,21	3,21	1621,99	2146,25	-524,27
24+90	0,37	4,51	0,41	3,06	1626,50	2149,32	-522,82
25+00	0,30	3,37	0,34	3,75	1629,87	2153,07	-523,19
25+10	0,18	2,41	0,50	4,21	1632,29	2157,27	-524,99
25+20	0,29	2,37	0,35	4,26	1634,65	2161,54	-526,88
25+30	0,18	2,35	0,59	4,71	1637,00	2166,24	-529,24
25+40	0,15	1,62	0,59	5,90	1638,62	2172,14	-533,52
25+50	0,24	1,93	0,49	5,40	1640,55	2177,54	-536,99
25+60	0,24	2,41	0,46	4,74	1642,97	2182,28	-539,31
25+70	0,19	2,17	0,67	5,62	1645,13	2187,90	-542,77
25+80	0,20	1,95	0,78	7,23	1647,08	2195,13	-548,05
25+90	0,11	1,57	0,97	8,76	1648,65	2203,89	-555,24
26+00	0,03	0,70	1,33	11,50	1649,35	2215,39	-566,04
26+10	0,08	0,56	0,84	10,84	1649,91	2226,24	-576,33
26+20	0,01	0,48	1,15	9,96	1650,38	2236,20	-585,82
26+30	0,16	0,84	0,69	9,23	1651,23	2245,43	-594,20
26+40	0,03	0,91	1,59	11,40	1652,14	2256,82	-604,69
26+50	0,02	0,22	2,00	17,95	1652,35	2274,78	-622,43
26+60	0,04	0,28	2,39	21,98	1652,64	2296,76	-644,12
26+70	0,00	0,19	3,11	27,50	1652,83	2324,26	-671,43
26+80	0,00	0,00	2,69	28,99	1652,83	2353,25	-700,42
26+90	0,00	0,00	2,40	25,46	1652,83	2378,71	-725,88
27+00	0,00	0,00	3,05	27,27	1652,83	2405,98	-753,15
27+10	0,00	0,00	2,94	29,98	1652,83	2435,96	-783,13
27+20	0,00	0,00	1,51	22,28	1652,83	2458,24	-805,41
27+30	1,70	8,48	0,04	7,78	1661,31	2466,03	-804,71

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
27+40	2,35	20,22	0,02	0,32	1681,53	2466,34	-784,81
27+50	2,71	25,29	0,00	0,14	1706,82	2466,48	-759,66
27+60	1,34	20,27	0,04	0,22	1727,09	2466,70	-739,61
27+70	0,15	7,48	0,67	3,53	1734,57	2470,23	-735,67
27+80	0,00	0,76	0,99	8,28	1735,33	2478,51	-743,19
27+90	0,00	0,00	0,99	9,90	1735,33	2488,42	-753,09
28+00	0,15	0,77	0,65	8,21	1736,10	2496,62	-760,53
28+10	0,01	0,84	0,90	7,73	1736,94	2504,35	-767,42
28+20	0,00	0,09	0,85	8,77	1737,03	2513,13	-776,09
28+30	0,12	0,60	0,53	6,91	1737,63	2520,04	-782,40
28+40	0,00	0,58	1,58	10,55	1738,21	2530,58	-792,37
28+50	0,03	0,15	1,57	15,74	1738,37	2546,33	-807,96
28+60	0,63	3,32	1,04	13,01	1741,68	2559,34	-817,66
28+70	0,25	4,44	1,57	13,04	1746,12	2572,38	-826,26
28+80	0,01	1,34	2,56	20,68	1747,46	2593,06	-845,60
28+90	0,58	2,97	1,25	19,05	1750,42	2612,11	-861,69
29+00	0,46	5,19	0,35	7,97	1755,61	2620,08	-864,47
29+10	1,29	8,74	0,07	2,10	1764,35	2622,17	-857,83
29+20	1,19	12,38	0,17	1,22	1776,73	2623,39	-846,66
29+30	0,45	8,19	0,69	4,31	1784,91	2627,70	-842,79
29+40	0,72	5,86	0,29	4,90	1790,78	2632,60	-841,83
29+50	0,76	7,39	0,35	3,20	1798,17	2635,80	-837,64
29+60	0,54	6,46	0,33	3,42	1804,63	2639,22	-834,60
29+70	0,28	4,09	0,47	4,05	1808,72	2643,27	-834,55
29+80	0,00	1,41	1,95	12,13	1810,13	2655,40	-845,27
29+90	0,00	0,00	4,20	30,77	1810,13	2686,17	-876,04
30+00	0,00	0,00	5,51	48,56	1810,13	2734,73	-924,60
30+10	0,00	0,00	3,16	43,33	1810,13	2778,06	-967,93
30+20	0,00	0,00	2,13	26,45	1810,13	2804,51	-994,37
30+30	0,06	0,31	1,01	15,72	1810,44	2820,23	-1009,79
30+40	0,18	1,21	0,73	8,71	1811,65	2828,94	-1017,29
30+50	0,34	2,60	0,46	5,96	1814,25	2834,90	-1020,65
30+60	0,00	1,70	2,08	12,73	1815,95	2847,63	-1031,68
30+70	0,00	0,00	5,96	40,20	1815,95	2887,82	-1071,88
30+80	0,00	0,00	6,57	62,64	1815,95	2950,47	-1134,52
30+90	0,00	0,00	5,84	62,06	1815,95	3012,53	-1196,58
31+00	0,00	0,00	4,92	53,78	1815,95	3066,31	-1250,36
31+10	0,00	0,00	4,75	48,34	1815,95	3114,65	-1298,70
31+20	0,00	0,00	4,81	47,78	1815,95	3162,43	-1346,48
31+30	0,00	0,00	5,08	49,45	1815,95	3211,88	-1395,93
31+40	0,00	0,00	5,05	50,69	1815,95	3262,57	-1446,62
31+50	0,00	0,00	4,80	49,26	1815,95	3311,83	-1495,89
31+60	0,00	0,00	4,37	45,86	1815,95	3357,69	-1541,74
31+70	0,00	0,00	3,73	40,54	1815,95	3398,23	-1582,28
31+80	0,00	0,00	2,99	33,60	1815,95	3431,83	-1615,88
31+90	0,00	0,00	2,33	26,60	1815,95	3458,43	-1642,49
32+00	0,00	0,00	1,99	21,61	1815,95	3480,04	-1664,10
32+10	0,00	0,00	1,27	16,31	1815,95	3496,36	-1680,41
32+20	0,23	1,15	0,30	7,89	1817,10	3504,25	-1687,14
32+30	0,45	3,39	0,11	2,05	1820,49	3506,30	-1685,81
32+40	0,01	2,28	0,62	3,64	1822,77	3509,94	-1687,17
32+50	0,00	0,05	1,23	9,28	1822,82	3519,22	-1696,40
32+60	0,00	0,00	2,02	16,27	1822,82	3535,49	-1712,67
32+70	0,00	0,00	2,03	20,25	1822,82	3555,73	-1732,91
32+80	0,00	0,00	2,21	21,19	1822,82	3576,93	-1754,11
32+90	0,00	0,00	1,68	19,42	1822,82	3596,35	-1773,53
33+00	0,00	0,00	1,05	13,64	1822,82	3609,99	-1787,17

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
33+10	0,00	0,00	0,62	8,34	1822,82	3618,32	-1795,50
33+20	0,06	0,29	0,26	4,38	1823,11	3622,71	-1799,60
33+30	0,62	3,40	0,06	1,63	1826,51	3624,34	-1797,83
33+40	0,32	4,73	0,21	1,38	1831,24	3625,71	-1794,47
33+50	0,31	3,19	0,49	3,48	1834,43	3629,19	-1794,76
33+60	0,29	3,04	0,29	3,88	1837,47	3633,07	-1795,59
33+70	0,77	5,34	0,14	2,13	1842,81	3635,20	-1792,38
33+80	0,00	3,87	2,67	14,04	1846,68	3649,24	-1802,55
33+90	0,00	0,00	3,49	30,84	1846,68	3680,07	-1833,39
34+00	0,00	0,00	3,74	36,16	1846,68	3716,23	-1869,55
34+10	0,00	0,00	3,11	34,24	1846,68	3750,47	-1903,79
34+20	0,00	0,00	2,31	27,11	1846,68	3777,58	-1930,90
34+30	0,00	0,00	1,52	19,17	1846,68	3796,76	-1950,08
34+40	0,00	0,04	1,07	12,96	1846,72	3809,71	-1963,00
34+50	0,00	0,04	1,64	13,53	1846,75	3823,25	-1976,49
34+60	0,00	0,00	1,58	16,09	1846,75	3839,33	-1992,58
34+70	0,31	1,54	0,27	9,22	1848,30	3848,55	-2000,25
34+80	0,23	2,68	0,29	2,76	1850,97	3851,30	-2000,33
34+90	0,09	1,60	0,16	2,21	1852,57	3853,51	-2000,94
35+00	0,80	4,46	0,04	0,97	1857,03	3854,48	-1997,45
35+10	1,75	12,74	0,00	0,22	1869,77	3854,70	-1984,93
35+20	2,73	22,39	0,00	0,03	1892,16	3854,73	-1962,57
35+30	1,89	23,08	0,00	0,00	1915,24	3854,73	-1939,49
35+40	0,21	10,50	0,20	1,01	1925,73	3855,74	-1930,00
35+50	1,45	8,31	0,03	1,14	1934,04	3856,88	-1922,83
35+60	1,68	15,64	0,03	0,26	1949,68	3857,14	-1907,46
35+70	1,68	16,79	0,05	0,36	1966,47	3857,50	-1891,03
35+80	0,03	8,53	0,15	0,97	1975,00	3858,47	-1883,47
35+90	0,00	0,13	0,47	3,11	1975,13	3861,58	-1886,44
36+00	0,03	0,15	0,54	5,08	1975,29	3866,66	-1891,37
36+10	0,30	1,63	0,25	3,98	1976,92	3870,64	-1893,72
36+20	0,25	2,73	0,15	2,01	1979,65	3872,65	-1893,00
36+30	0,00	1,25	1,13	6,41	1980,90	3879,06	-1898,16
36+40	0,00	0,00	2,11	16,21	1980,90	3895,27	-1914,37
36+50	0,00	0,00	2,01	20,57	1980,90	3915,85	-1934,95
36+60	0,00	0,00	1,47	17,38	1980,90	3933,22	-1952,32
36+70	0,00	0,00	1,11	12,91	1980,90	3946,14	-1965,24
36+80	0,00	0,00	0,83	9,72	1980,90	3955,86	-1974,96
36+90	0,01	0,07	0,31	5,68	1980,97	3961,54	-1980,57
37+00	0,03	0,23	0,21	2,59	1981,20	3964,14	-1982,93
37+10	0,24	1,33	0,10	1,55	1982,53	3965,69	-1983,15
37+20	0,34	2,86	0,06	0,81	1985,39	3966,50	-1981,10
37+30	0,00	1,68	0,21	1,39	1987,08	3967,88	-1980,81
37+40	0,20	0,98	0,22	2,16	1988,05	3970,04	-1981,99
37+50	0,00	0,98	0,52	3,68	1989,03	3973,72	-1984,69
37+60	0,00	0,00	1,07	7,92	1989,03	3981,64	-1992,61
37+70	0,00	0,01	0,76	9,11	1989,04	3990,75	-2001,71
37+80	0,00	0,01	1,13	9,45	1989,05	4000,20	-2011,14
37+90	0,00	0,00	1,86	14,99	1989,05	4015,19	-2026,14
38+00	0,00	0,03	1,18	15,23	1989,08	4030,42	-2041,34
38+10	0,10	0,54	0,36	7,70	1989,62	4038,11	-2048,50
38+20	0,04	0,72	0,24	3,00	1990,33	4041,11	-2050,78
38+30	0,00	0,24	0,55	3,97	1990,57	4045,08	-2054,51
38+40	0,06	0,32	0,49	5,22	1990,89	4050,30	-2059,41
38+50	0,51	2,83	0,11	2,99	1993,72	4053,29	-2059,57
38+60	0,84	6,73	0,05	0,79	2000,45	4054,08	-2053,63
38+70	1,22	10,31	0,03	0,38	2010,76	4054,46	-2043,71

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
38+80	0,42	8,22	0,05	0,41	2018,98	4054,87	-2035,89
38+90	0,09	2,56	0,49	2,70	2021,54	4057,57	-2036,04
39+00	0,05	0,71	0,47	4,77	2022,25	4062,34	-2040,09
39+10	0,01	0,30	0,47	4,68	2022,54	4067,02	-2044,48
39+20	0,03	0,18	0,49	4,80	2022,72	4071,82	-2049,10
39+30	0,08	0,55	0,33	4,10	2023,27	4075,92	-2052,65
39+40	0,15	1,16	0,30	3,12	2024,43	4079,04	-2054,61
39+50	0,20	1,72	0,29	2,94	2026,15	4081,98	-2055,83
39+60	0,51	3,53	0,08	1,86	2029,68	4083,84	-2054,16
39+70	0,93	7,21	0,04	0,58	2036,90	4084,42	-2047,52
39+80	0,89	9,11	0,03	0,34	2046,01	4084,76	-2038,75
39+90	0,58	7,35	0,05	0,42	2053,36	4085,18	-2031,82
40+00	0,10	3,39	0,12	0,87	2056,75	4086,05	-2029,30
40+10	0,00	0,49	0,48	3,02	2057,24	4089,07	-2031,82
40+20	0,00	0,00	0,75	6,15	2057,24	4095,22	-2037,97
40+30	0,04	0,22	0,30	5,26	2057,47	4100,48	-2043,01
40+40	0,68	3,63	0,05	1,75	2061,10	4102,23	-2041,13
40+50	0,87	7,78	0,04	0,41	2068,88	4102,64	-2033,76
40+60	1,03	9,53	0,03	0,34	2078,42	4102,98	-2024,56
40+70	1,12	10,78	0,03	0,32	2089,20	4103,31	-2014,11
40+80	0,97	10,48	0,04	0,35	2099,68	4103,66	-2003,97
40+90	0,81	8,93	0,05	0,42	2108,62	4104,08	-1995,46
41+00	0,74	7,76	0,05	0,47	2116,37	4104,55	-1988,17
41+10	0,65	6,94	0,05	0,47	2123,31	4105,02	-1981,71
41+20	0,42	5,35	0,07	0,59	2128,66	4105,61	-1976,96
41+30	0,56	4,92	0,05	0,62	2133,57	4106,24	-1972,66
41+40	0,91	7,37	0,03	0,43	2140,94	4106,67	-1965,73
41+50	1,20	10,57	0,02	0,26	2151,51	4106,93	-1955,42
41+60	1,52	13,64	0,01	0,16	2165,14	4107,08	-1941,94
41+70	1,84	16,80	0,00	0,10	2181,94	4107,18	-1925,23
41+80	1,64	17,38	0,01	0,10	2199,33	4107,28	-1907,95
41+90	1,39	15,16	0,02	0,15	2214,49	4107,43	-1892,95
42+00	1,10	12,47	0,02	0,20	2226,95	4107,63	-1880,68
42+10	0,53	8,19	0,05	0,38	2235,14	4108,01	-1872,87
42+20	0,00	2,68	0,24	1,46	2237,82	4109,48	-1871,66
42+30	0,00	0,00	0,72	4,79	2237,82	4114,27	-1876,44
42+40	0,00	0,00	0,55	6,33	2237,82	4120,60	-1882,78
42+50	0,01	0,07	0,32	4,36	2237,90	4124,96	-1887,07
42+60	0,14	0,77	0,14	2,32	2238,66	4127,29	-1888,62
42+70	0,37	2,52	0,06	1,03	2241,18	4128,32	-1887,14
42+80	0,36	3,65	0,06	0,64	2244,83	4128,96	-1884,13
42+90	0,23	2,95	0,07	0,68	2247,78	4129,64	-1881,86
43+00	0,35	2,86	0,07	0,69	2250,65	4130,33	-1879,69
43+10	0,68	5,15	0,04	0,55	2255,80	4130,88	-1875,08
43+20	0,80	7,43	0,03	0,38	2263,22	4131,26	-1868,04
43+30	0,74	7,74	0,04	0,37	2270,96	4131,63	-1860,67
43+40	0,52	6,34	0,05	0,45	2277,30	4132,08	-1854,78
43+50	0,57	5,47	0,05	0,52	2282,77	4132,60	-1849,84
43+60	0,46	5,14	0,06	0,55	2287,91	4133,15	-1845,24
43+70	0,26	3,57	0,07	0,62	2291,48	4133,77	-1842,29
43+80	0,00	1,30	0,19	1,32	2292,78	4135,09	-1842,31
43+90	0,07	0,36	0,12	1,59	2293,14	4136,68	-1843,54
44+00	0,50	2,83	0,05	0,89	2295,98	4137,58	-1841,60
44+10	0,84	6,72	0,03	0,44	2302,69	4138,01	-1835,32
44+20	0,76	8,01	0,04	0,36	2310,70	4138,37	-1827,67
44+30	0,47	6,11	0,06	0,47	2316,81	4138,84	-1822,03
44+40	0,12	2,91	0,08	0,69	2319,73	4139,53	-1819,80

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
44+50	0,00	0,59	0,43	2,55	2320,31	4142,08	-1821,77
44+60	0,00	0,00	0,36	3,95	2320,31	4146,04	-1825,72
44+70	0,00	0,00	0,45	4,06	2320,31	4150,10	-1829,79
44+80	0,00	0,00	0,61	5,30	2320,31	4155,40	-1835,09
44+90	0,00	0,00	0,36	4,86	2320,32	4160,26	-1839,94
45+00	0,20	1,03	0,13	2,44	2321,35	4162,70	-1841,35
45+10	0,61	4,07	0,05	0,87	2325,41	4163,57	-1838,16
45+20	0,78	6,92	0,04	0,42	2332,34	4164,00	-1831,66
45+30	0,31	5,45	0,07	0,54	2337,78	4164,54	-1826,76
45+40	0,00	1,57	0,63	3,50	2339,35	4168,05	-1828,69
45+50	0,00	0,00	0,82	7,24	2339,35	4175,28	-1835,93
45+60	0,00	0,00	0,75	7,83	2339,35	4183,11	-1843,76
45+70	0,00	0,04	0,30	5,25	2339,40	4188,36	-1848,97
45+80	0,02	0,13	0,12	2,12	2339,52	4190,48	-1850,96
45+90	0,00	0,08	0,34	2,33	2339,61	4192,81	-1853,21
46+00	0,00	0,00	1,00	6,71	2339,61	4199,52	-1859,91
46+10	0,00	0,00	0,57	7,85	2339,61	4207,37	-1867,76
46+20	0,00	0,00	0,30	4,37	2339,62	4211,73	-1872,12
46+30	0,00	0,06	0,14	2,22	2339,67	4213,95	-1874,28
46+40	0,02	0,15	0,20	1,73	2339,82	4215,68	-1875,86
46+50	0,00	0,11	0,82	5,10	2339,93	4220,77	-1880,85
46+60	0,00	0,00	0,89	8,52	2339,93	4229,30	-1889,37
46+70	0,00	0,00	0,65	7,70	2339,93	4237,00	-1897,07
46+80	0,00	0,00	0,48	5,67	2339,93	4242,67	-1902,74
46+90	0,01	0,07	0,25	3,68	2340,00	4246,34	-1906,34
47+00	0,15	0,83	0,10	1,75	2340,83	4248,09	-1907,27
47+10	0,45	2,99	0,06	0,80	2343,82	4248,89	-1905,08
47+20	0,59	5,17	0,11	0,86	2348,98	4249,76	-1900,77
47+30	0,47	5,27	0,22	1,65	2354,25	4251,41	-1897,15
47+40	0,29	3,79	0,33	2,75	2358,04	4254,16	-1896,11
47+50	0,17	2,30	0,32	3,26	2360,34	4257,42	-1897,08
47+60	0,09	1,31	0,25	2,86	2361,65	4260,28	-1898,63
47+70	0,17	1,33	0,23	2,42	2362,99	4262,70	-1899,72
47+80	0,25	2,11	0,21	2,21	2365,10	4264,91	-1899,81
47+90	0,26	2,55	0,18	1,96	2367,65	4266,87	-1899,23
48+00	0,29	2,73	0,17	1,76	2370,38	4268,63	-1898,26
48+10	0,32	3,02	0,15	1,59	2373,40	4270,22	-1896,82
48+20	0,35	3,34	0,13	1,42	2376,74	4271,64	-1894,90
48+30	0,38	3,66	0,12	1,27	2380,40	4272,91	-1892,51
48+40	0,42	4,01	0,11	1,13	2384,41	4274,03	-1889,63
48+50	0,45	4,36	0,09	1,00	2388,77	4275,03	-1886,27
48+60	0,49	4,73	0,08	0,89	2393,49	4275,92	-1882,43
48+70	0,53	5,11	0,07	0,79	2398,60	4276,71	-1878,11
48+80	0,57	5,50	0,07	0,70	2404,10	4277,41	-1873,31
48+90	0,61	5,91	0,06	0,63	2410,01	4278,04	-1868,03
49+00	0,65	6,32	0,05	0,57	2416,33	4278,61	-1862,27
49+10	0,70	6,75	0,05	0,52	2423,08	4279,12	-1856,04
49+20	0,74	7,19	0,05	0,48	2430,28	4279,61	-1849,33
49+30	0,79	7,64	0,04	0,45	2437,92	4280,06	-1842,15
49+40	0,76	7,76	0,08	0,60	2445,67	4280,66	-1834,99
49+49.147	0,29	4,82	0,35	1,96	2450,49	4282,62	-1832,13
TOTAL GEOMÉTRICO					2450,49	4282,62	-1832,13
TOTAL COM FATOR APLICADO					3063,1125	5353,275	-2290,1625

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
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EIXO 03

Estaca Inicial: 0+00

Estaca Final: 2+37.784

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+00	0,14	0,00	0,22	0,00	0,00	0,00	0,00
0+10	0,03	0,85	0,31	2,66	0,85	2,66	-1,81
0+20	0,01	0,21	0,32	3,16	1,06	5,82	-4,76
0+30	0,34	1,78	0,06	1,90	2,84	7,72	-4,88
0+40	0,23	2,84	0,16	1,11	5,68	8,83	-3,15
0+50	0,00	1,13	0,38	2,73	6,81	11,55	-4,75
0+60	0,69	3,43	0,08	2,34	10,24	13,90	-3,66
0+70	1,83	12,59	0,00	0,43	22,82	14,33	8,49
0+80	1,37	15,96	0,02	0,11	38,78	14,44	24,34
0+90	1,34	13,50	0,03	0,26	52,28	14,70	37,58
1+00	1,20	12,67	0,03	0,28	64,95	14,98	49,97
1+10	0,90	10,46	0,03	0,30	75,41	15,28	60,12
1+20	0,61	7,56	0,05	0,40	82,96	15,68	67,28
1+30	0,55	5,84	0,08	0,63	88,80	16,32	72,48
1+40	0,63	5,93	0,07	0,75	94,73	17,07	77,66
1+50	0,72	6,74	0,06	0,64	101,47	17,71	83,76
1+60	0,80	7,57	0,05	0,52	109,03	18,22	90,81
1+70	0,85	8,24	0,04	0,45	117,27	18,67	98,60
1+80	0,87	8,58	0,04	0,41	125,86	19,09	106,77
1+90	0,88	8,73	0,04	0,40	134,58	19,49	115,10
2+00	0,89	8,84	0,04	0,39	143,42	19,88	123,54
2+10	0,90	8,95	0,04	0,39	152,38	20,27	132,11
2+20	0,91	9,07	0,04	0,38	161,44	20,65	140,79
2+30	0,76	8,36	0,09	0,67	169,80	21,32	148,48
2+37.784	0,29	4,08	0,39	1,90	173,88	23,22	150,66
TOTAL GEOMÉTRICO					173,88	23,22	150,66
TOTAL COM FATOR APLICADO					217,35	29,025	188,325

EIXO 04

Estaca Inicial: 0+00

Estaca Final: 0+75.266

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+00	0,51	0,00	0,06	0,00	0,00	0,00	0,00
0+10	0,00	2,54	0,98	5,15	2,54	5,15	-2,61
0+20	0,07	0,34	0,83	8,93	2,88	14,09	-11,21
0+30	0,72	4,00	0,20	5,04	6,88	19,12	-12,24
0+40	1,01	8,82	0,18	1,85	15,70	20,98	-5,27
0+50	0,76	9,05	0,34	2,52	24,76	23,49	1,26
0+60	0,55	6,71	0,61	4,56	31,47	28,06	3,41
0+70	0,55	5,66	0,73	6,47	37,13	34,53	2,60
0+75.266	0,29	2,28	0,40	2,88	39,41	37,40	2,01
TOTAL GEOMÉTRICO					39,41	37,4	2,01
TOTAL COM FATOR APLICADO					49,2625	46,75	2,5125

Relatório de Volumes

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
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EIXO 05

Estaca Inicial: 0+00

Estaca Final: 6+71,577

Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+00	1,16	0,00	1,66	0,00	0,00	0,00	0,00
0+10	0,87	10,32	1,39	14,99	10,32	14,99	-4,67
0+20	0,71	8,02	1,05	12,01	18,34	27,00	-8,66
0+30	0,58	6,52	1,25	11,35	24,86	38,35	-13,49
0+40	0,59	5,94	1,68	14,46	30,79	52,81	-22,02
0+50	0,28	4,46	2,22	19,26	35,25	72,07	-36,81
0+60	0,17	2,30	1,64	19,06	37,56	91,13	-53,57
0+70	0,45	3,15	0,77	11,89	40,71	103,02	-62,30
0+80	0,85	6,62	0,31	5,29	47,33	108,31	-60,97
0+90	0,82	8,48	1,25	7,67	55,82	115,97	-60,15
1+00	0,43	6,33	2,19	16,96	62,15	132,94	-70,79
1+10	0,00	2,19	3,67	29,03	64,34	161,97	-97,63
1+20	0,00	0,02	2,63	31,30	64,36	193,26	-128,91
1+30	0,01	0,07	0,82	17,13	64,43	210,39	-145,97
1+40	0,13	0,73	0,90	8,51	65,16	218,91	-153,75
1+50	0,23	1,84	1,38	11,29	67,00	230,19	-163,19
1+60	0,01	1,23	1,64	14,96	68,23	245,15	-176,92
1+70	0,00	0,06	3,71	26,58	68,29	271,73	-203,44
1+80	0,00	0,00	2,40	30,46	68,29	302,18	-233,89
1+90	0,00	0,00	0,15	12,75	68,29	314,94	-246,64
2+00	0,00	0,00	0,91	5,32	68,29	320,25	-251,96
2+10	0,00	0,00	2,26	15,88	68,29	336,13	-267,84
2+20	0,00	0,00	2,96	26,12	68,29	362,26	-293,96
2+30	0,00	0,00	2,13	25,45	68,29	387,71	-319,41
2+40	0,00	0,00	1,57	18,49	68,29	406,20	-337,91
2+50	0,00	0,02	1,34	14,55	68,32	420,75	-352,43
2+60	0,00	0,06	1,28	13,11	68,37	433,86	-365,48
2+70	0,00	0,03	1,36	13,21	68,40	447,07	-378,66
2+80	0,00	0,00	1,00	11,79	68,40	458,86	-390,45
2+90	0,00	0,00	1,36	11,81	68,40	470,67	-402,26
3+00	0,00	0,00	1,70	15,32	68,40	485,98	-417,58
3+10	0,00	0,00	1,87	17,86	68,40	503,84	-435,44
3+20	0,00	0,00	1,63	17,50	68,40	521,34	-452,94
3+30	0,06	0,32	1,05	13,38	68,72	534,72	-466,00
3+40	0,12	0,93	0,95	9,97	69,65	544,69	-475,04
3+50	0,13	1,25	0,85	8,97	70,90	553,66	-482,76
3+60	0,08	1,04	1,04	9,41	71,94	563,07	-491,13
3+70	0,11	0,94	0,66	8,50	72,88	571,57	-498,68
3+80	0,21	1,57	0,54	6,02	74,45	577,59	-503,13
3+90	0,12	1,61	0,71	6,26	76,06	583,84	-507,78
4+00	0,10	1,08	0,98	8,44	77,14	592,28	-515,14
4+10	0,14	1,20	0,91	9,45	78,34	601,73	-523,39
4+20	0,31	2,26	0,52	7,17	80,60	608,90	-528,31
4+30	0,33	3,22	0,39	4,58	83,81	613,48	-529,67
4+40	0,34	3,35	0,45	4,21	87,16	617,69	-530,53
4+50	0,52	4,28	0,49	4,71	91,44	622,40	-530,96
4+60	0,51	5,15	0,45	4,70	96,60	627,10	-530,51
4+70	0,63	5,69	0,25	3,49	102,28	630,59	-528,31
4+80	0,48	5,51	0,39	3,22	107,79	633,81	-526,02
4+90	0,39	4,31	0,53	4,64	112,11	638,45	-526,34
5+00	0,28	3,32	0,56	5,46	115,43	643,91	-528,48

Relatório de Volumes

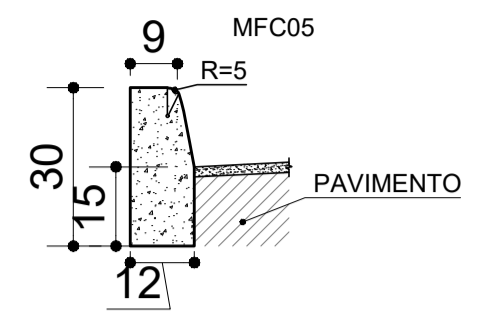
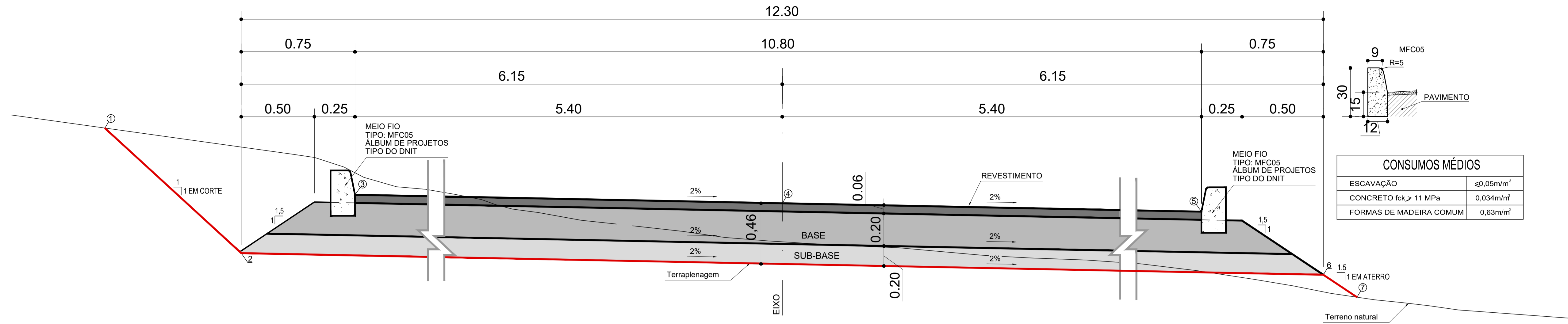
Estaca	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
5+10	0,07	1,74	0,94	7,51	117,17	651,42	-534,25
5+20	0,17	1,19	0,34	6,41	118,37	657,83	-539,47
5+30	1,89	10,29	0,03	1,83	128,66	659,66	-531,00
5+40	3,69	27,88	0,00	0,15	156,54	659,81	-503,27
5+50	5,90	47,95	0,00	0,02	204,49	659,83	-455,34
5+60	4,15	50,23	0,00	0,00	254,73	659,83	-405,11
5+70	1,02	25,85	0,49	2,45	280,58	662,28	-381,71
5+80	0,76	8,94	0,07	2,79	289,52	665,07	-375,55
5+90	1,08	9,21	0,19	1,28	298,73	666,35	-367,62
6+00	0,93	10,06	0,31	2,49	308,79	668,84	-360,05
6+10	0,68	8,06	0,35	3,28	316,85	672,12	-355,27
6+20	0,85	7,64	0,37	3,59	324,49	675,71	-351,22
6+30	1,07	9,61	0,26	3,17	334,11	678,88	-344,77
6+40	1,32	11,98	0,17	2,19	346,08	681,06	-334,98
6+50	1,61	14,64	0,11	1,41	360,73	682,48	-321,75
6+60	1,91	17,60	0,06	0,84	378,32	683,32	-304,99
6+70	2,28	20,96	0,03	0,47	399,28	683,79	-284,51
6+71.577	2,34	3,64	0,03	0,05	402,93	683,84	-280,92
TOTAL GEOMÉTRICO					402,93	683,84	-280,92
TOTAL COM FATOR APLICADO					503,6625	854,8	-351,1375

QUANTIDADES TOTAIS DOS 5 EIXOS

TOTAL GEOMÉTRICO	10260,87	16199,12	-5938,26
TOTAL COM FATOR APLICADO	12826,0875	20248,9	-7422,8125

8 Plantas

SEÇÃO TRANSVERSAL EIXO 01



CONSUMOS MÉDIOS	
ESCAVAÇÃO	≤0,05m³
CONCRETO fck > 11 MPa	0,034m³/m²
FORMAS DE MADEIRA COMUM	0,63m³/m²

CAIMENTO SIMPLES

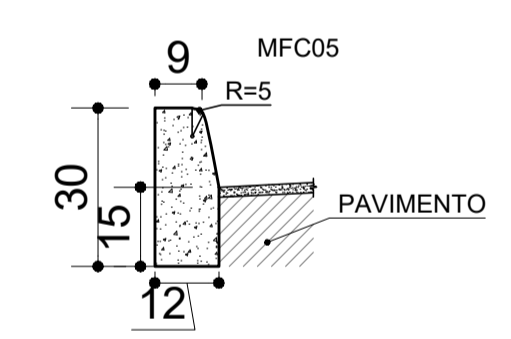
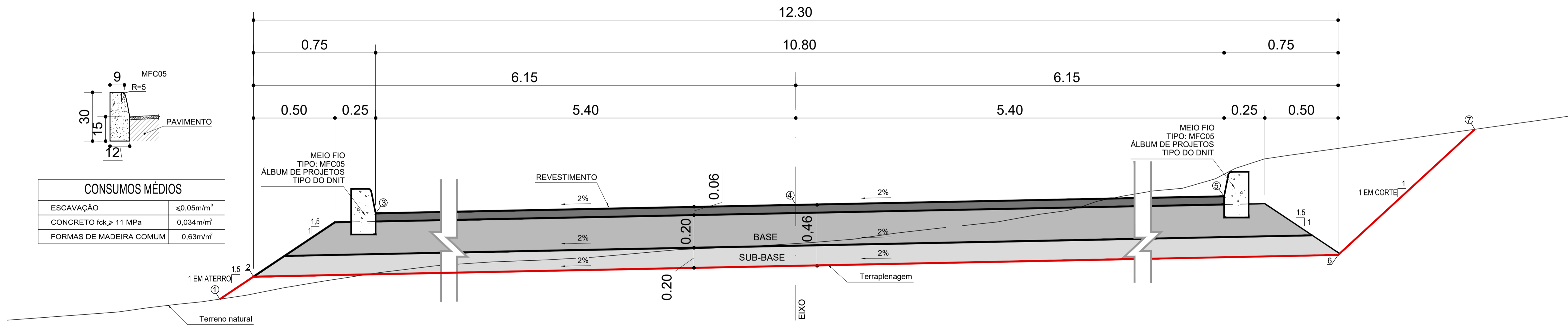
CORRESPONDÊNCIA COM A NOTA DE SERVIÇO

- ① OFFSET LADO ESQUERDO
- ② LATERAL ESQUERDA
- ③ BORDO ESQUERDO
- ④ EIXO
- ⑤ BORDO DIREITO
- ⑥ LATERAL DIREITA
- ⑦ OFFSET LADO DIREITO

OBSERVAÇÕES

- 1 - DESENHO SEM ESCALA (SECCIONADO)
- 2 - PONTOS FORNECIDOS NA NOTA DE SERVIÇO, MODELO DO IPDF, ESTÃO INDICADOS COM ○
- 3 - NOS TRECHOS COM SUPERELEVÇÃO, AS DECLIVIDADES DA SEÇÃO, SERÃO, CONFORME A NOTA DE SERVIÇO.
- 4 - VALORES EM METROS

SEÇÃO TRANSVERSAL EIXO 02



CONSUMOS MÉDIOS	
ESCAVAÇÃO	≤0,05m³
CONCRETO fck > 11 MPa	0,034m³/m²
FORMAS DE MADEIRA COMUM	0,63m³/m²

CAIMENTO SIMPLES

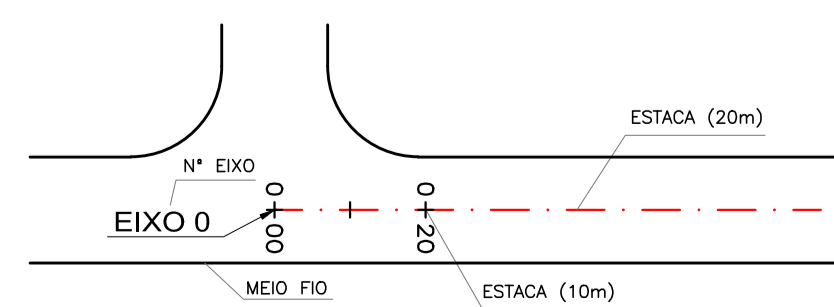
CORRESPONDÊNCIA COM A NOTA DE SERVIÇO

- ① OFFSET LADO ESQUERDO
- ② LATERAL ESQUERDA
- ③ BORDO ESQUERDO
- ④ EIXO
- ⑤ BORDO DIREITO
- ⑥ LATERAL DIREITA
- ⑦ OFFSET LADO DIREITO

OBSERVAÇÕES

- 1 - DESENHO SEM ESCALA (SECCIONADO)
- 2 - PONTOS FORNECIDOS NA NOTA DE SERVIÇO, MODELO DO IPDF, ESTÃO INDICADOS COM ○
- 3 - NOS TRECHOS COM SUPERELEVÇÃO, AS DECLIVIDADES DA SEÇÃO, SERÃO, CONFORME A NOTA DE SERVIÇO.
- 4 - VALORES EM METROS

LEGENDA do PROJETO GEOMÉTRICO



LEGENDA

- TERRENO NATURAL
- GREIDE DE PROJETO
- CORTE
- ATERRIO
- GRAMA
- VIA PROJETADA

FUNÇÃO	NOME	CREA/CAU	ASSINATURA
COORDENAÇÃO GERAL	FÁBIO ARAÚJO NODARI	CREA RS 78091/D	
REVISÃO	THIAGO PEIXOTO NOVAIS	CREA MG 147293/D	
ELABORAÇÃO/REVISÃO	ZÉLIA SILVEIRA D'AZEVEDO	CREA RS 74693/D	
ELABORAÇÃO	JORDAN PAULO MEROS	CAU A55153-B	

Nº	DISCRIMINAÇÃO DAS REVISÕES	DATA
01	-	-
02	-	-
03	-	-
04	-	-
05	-	-
06	-	-

TÍTULOS/ESPECIFICAÇÃO DO DOCUMENTO		
DER DF	ELABORAÇÃO DE PROJETO BÁSICO E EXECUTIVO DE IMPLANTAÇÃO E DUPLICAÇÃO DA RODOVIA DF-010	
ETAPA DE PROJETO EXECUTIVO	LOCAL BRASÍLIA	PROJETO PAULO CAVALCANTI
ESCALA SEM ESCALA	TRECHO/SUBTRECHO DF-010	PROJETO ANA PARISI
FOLHA 01/01	ESPECIALIDADE/SUBESPECIALIDADE PROJETO GEOMÉTRICO - PARCIAL	CÁLCULO/DESENHO JORDAN P. MEROS
REVISÃO 00	CÓDIGO 2103-GEO-PE-001-R00-SEÇÃO	DATA ABRIL/2022