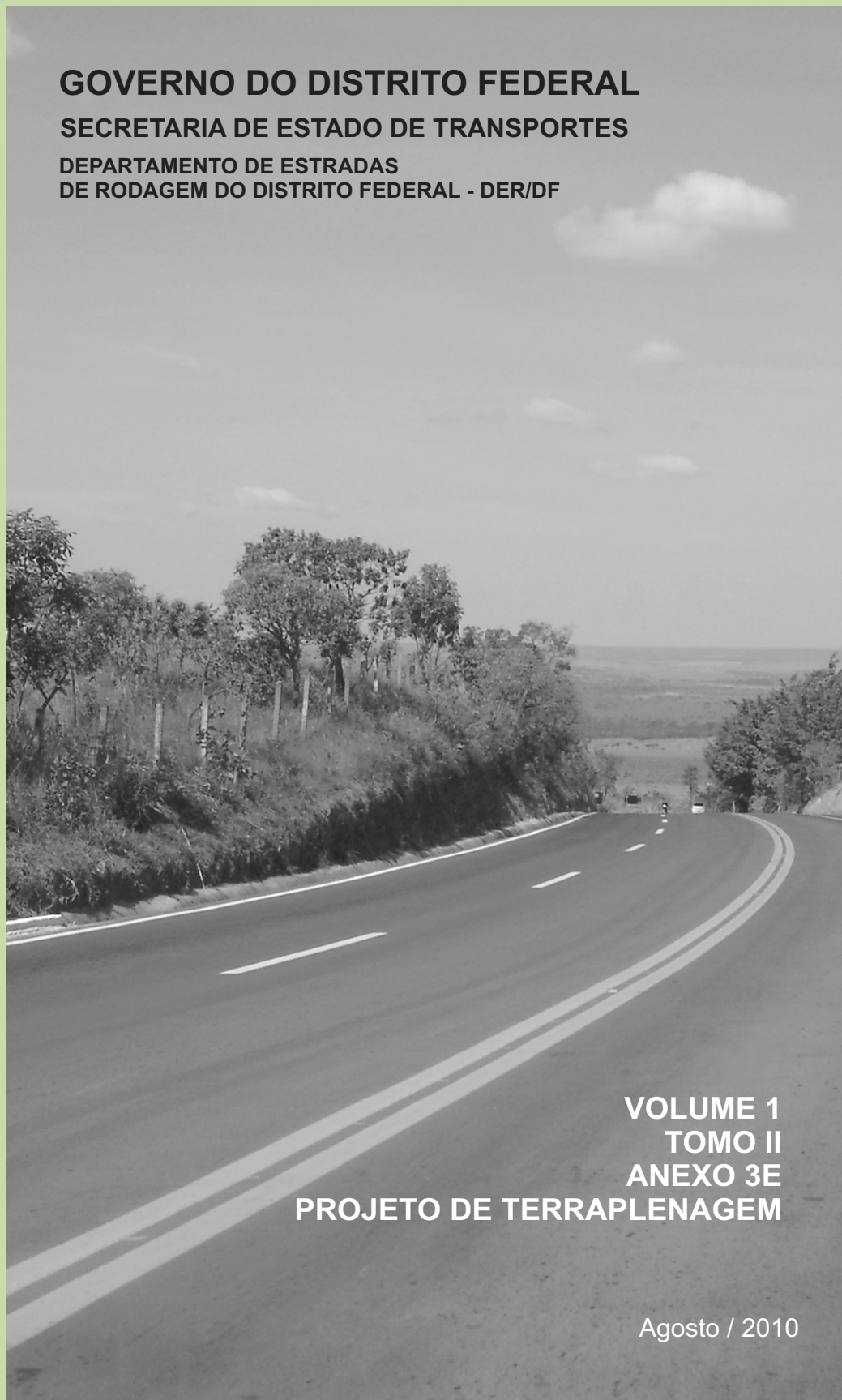


GOVERNO DO DISTRITO FEDERAL
SECRETARIA DE ESTADO DE TRANSPORTES
DEPARTAMENTO DE ESTRADAS
DE RODAGEM DO DISTRITO FEDERAL - DER/DF



VOLUME 1
TOMO II
ANEXO 3E
PROJETO DE TERRAPLENAGEM

Agosto / 2010

PROJETO EXECUTIVO DE DUPLICAÇÃO DA RODOVIA DF-140
Trecho: DF-001 a Divisa GO/DF-001 a BR-251





**GOVERNO DO DISTRITO FEDERAL
SECRETARIA DE ESTADO DE TRANSPORTES
DEPARTAMENTO DE ESTRADAS DE RODAGEM DO DISTRITO FEDERAL**

**PROJETO EXECUTIVO DE ENGENHARIA PARA
DUPLICAÇÃO DE RODOVIA DF-140**

Rodovia: DF-140/DF
Trecho : DF-001 a Div. GO/DF-001 a BR-251
Extensão: 14,8 km
Lote : Único

**VOLUME 1
TOMO II – ANEXO 3E**

AGOSTO / 2010



SUMÁRIO

APRESENTAÇÃO

2. MAPA DE SITUAÇÃO	005
3.E. PROJETO DE TERRAPLENAGEM	006
3.1. Notas de Serviços dos Eixos 1, 2 e Reversão	007
3.2. Volumes dos Eixos 1, 2 e Reversão	077



APRESENTAÇÃO

O presente documento constitui o Volume 1 – Tomo II Anexos do Relatório de Projeto, referente ao Projeto Executivo de Engenharia Rodoviária, para a Duplicação da Rodovia DF-140, tendo sido elaborado em conformidade com o contrato entre o **Departamento de Estradas de Rodagem do Distrito Federal – DER/DF** e a Empresa **STE – Serviços Técnicos de Engenharia S.A.**

Este Relatório é composto de:

VOLUME 1

TOMO II – ANEXOS

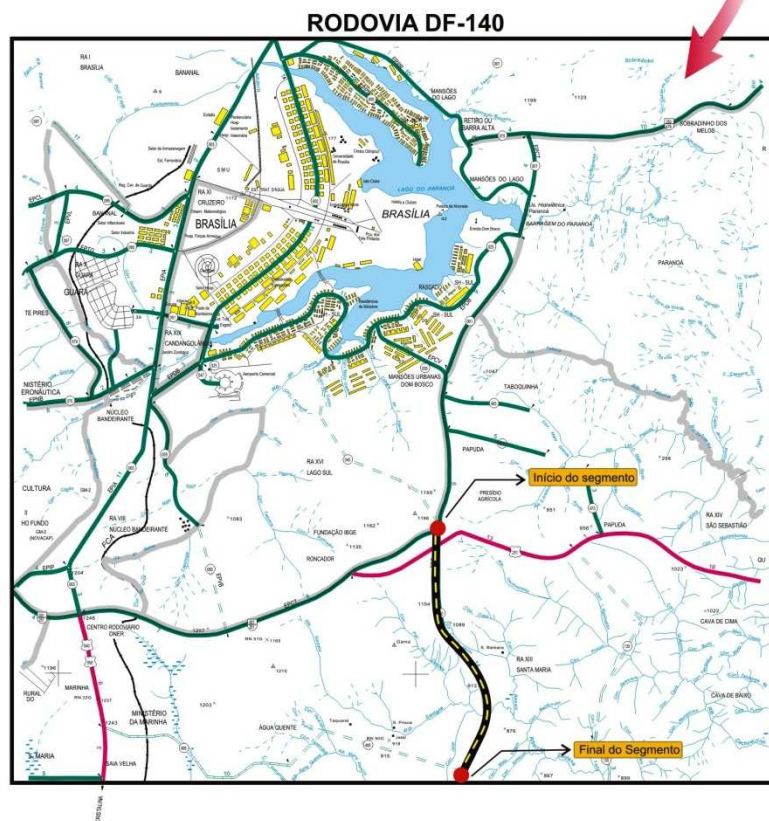
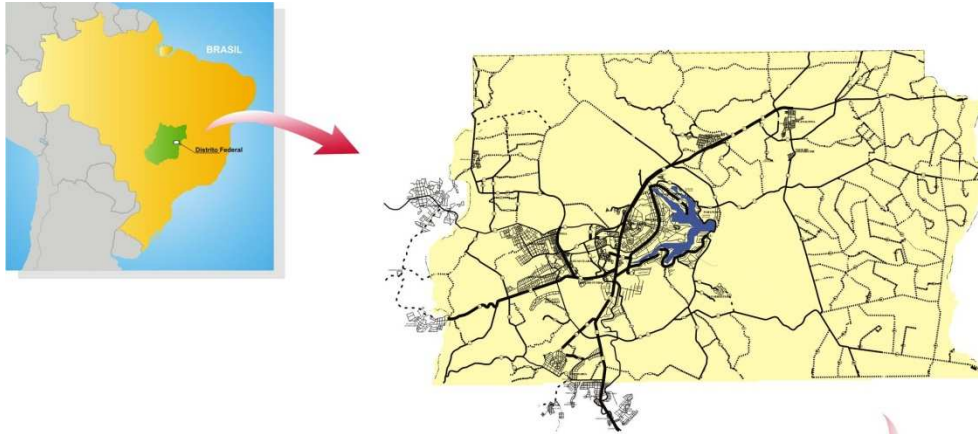
- Anexo 3A – Levantamento Topográfico;
- Anexo 3B – Estudos Geológicos;
- Anexo 3C – Estudos Geotécnicos;
- Anexo 3D – Projeto Geométrico; e
- **Anexo 3E – Projeto de Terraplenagem.**

Os dados referentes ao Projeto são:

- **Rodovia:** DF-140
- **Trecho:** DF-001 a Divisa GO/DF-001 a BR-251
- **Extensão:** 14,8 Km
- **Lote:** Único



2. MAPA DE SITUAÇÃO



MAPA DE SITUAÇÃO

Projeto Executivo de Engenharia para Duplicação de Rodovia
 Rodovia DF-140
 Trecho/Subtrecho: DF-001 a Divisa GO/DF-001 a BR-251
 Extensão: 14,8 Km



3E. ANEXOS – PROJETO DE TERRAPLENAGEM

Volumes Eixo 1, 2 e Reversão

Notas de Serviços dos Eixos 1, 2 e Reversão



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
0 +	0,267	1.166,085	-7,798	1.165,687	-7,400	-2,00%	1.166,385	1.165,835	0,550	-2,00%	5,500	1.165,725	6,319	1.166,544
0 +	10,000	1.165,785	-7,451	1.165,734	-7,400	-2,00%	1.166,327	1.165,882	0,445	-2,00%	5,500	1.165,772	6,309	1.166,581
1 +	0,000	1.166,127	-7,744	1.165,783	-7,400	-2,00%	1.166,457	1.165,931	0,526	-2,00%	5,500	1.165,821	6,321	1.166,642
1 +	10,000	1.165,767	-7,497	1.165,831	-7,400	-2,00%	1.166,436	1.165,979	0,457	-2,00%	5,500	1.165,869	6,337	1.166,706
2 +	0,000	1.166,142	-7,662	1.165,880	-7,400	-2,00%	1.166,567	1.166,028	0,539	-2,00%	5,500	1.165,918	6,376	1.166,794
2 +	10,000	1.165,941	-7,412	1.165,929	-7,400	-2,00%	1.166,546	1.166,077	0,469	-2,00%	5,500	1.165,967	6,315	1.166,782
3 +	0,000	1.166,015	-7,438	1.165,977	-7,400	-2,00%	1.166,557	1.166,125	0,432	-2,00%	5,500	1.166,015	6,312	1.166,827
3 +	9,833	1.166,025	-7,400	1.166,025	-7,400	-2,00%	1.166,602	1.166,173	0,429	-2,00%	5,500	1.166,063	6,312	1.166,876
3 +	10,000	1.166,025	-7,402	1.166,026	-7,400	-2,00%	1.166,601	1.166,174	0,427	-2,00%	5,500	1.166,064	6,312	1.166,876
4 +	0,000	1.165,590	-8,127	1.166,075	-7,400	-2,00%	1.166,523	1.166,223	0,300	-2,00%	5,500	1.166,113	6,242	1.166,854
4 +	10,000	1.166,021	-7,527	1.166,105	-7,400	-2,00%	1.166,619	1.166,253	0,366	-2,00%	5,500	1.166,143	6,217	1.166,861
5 +	0,000	1.166,114	-7,414	1.166,101	-7,400	-2,00%	1.166,645	1.166,249	0,396	-2,00%	5,500	1.166,139	6,196	1.166,835
5 +	5,795	1.166,174	-7,492	1.166,081	-7,400	-2,00%	1.166,629	1.166,229	0,400	-2,00%	5,500	1.166,119	6,192	1.166,812
5 +	10,000	1.166,095	-7,435	1.166,060	-7,400	-2,00%	1.166,683	1.166,208	0,475	-2,00%	5,500	1.166,098	6,245	1.166,843
6 +	0,000	1.166,211	-7,627	1.165,984	-7,400	-2,00%	1.166,564	1.166,132	0,432	-2,00%	5,500	1.166,022	6,388	1.166,910
6 +	10,000	1.165,757	-7,599	1.165,890	-7,400	-2,00%	1.166,601	1.166,038	0,563	-2,00%	5,500	1.165,928	6,454	1.166,881
7 +	0,000	1.165,261	-8,202	1.165,796	-7,400	-2,00%	1.166,454	1.165,944	0,510	-2,00%	5,500	1.165,834	6,431	1.166,764
7 +	3,419	1.165,172	-8,287	1.165,763	-7,400	-2,00%	1.166,411	1.165,911	0,500	-2,00%	5,500	1.165,801	6,403	1.166,705
7 +	10,000	1.165,066	-8,353	1.165,701	-7,400	-2,00%	1.165,990	1.165,849	0,141	-2,00%	5,500	1.165,739	6,260	1.166,500
8 +	0,000	1.164,907	-8,450	1.165,607	-7,400	-2,00%	1.165,486	1.165,755	-0,269	-2,00%	5,500	1.165,645	6,215	1.166,361
8 +	10,000	1.164,892	-8,331	1.165,513	-7,400	-2,00%	1.165,345	1.165,661	-0,316	-2,00%	5,500	1.165,551	6,125	1.166,176
9 +	0,000	1.164,717	-8,453	1.165,419	-7,400	-2,00%	1.165,114	1.165,567	-0,453	-2,00%	5,500	1.165,457	6,058	1.166,015
9 +	10,000	1.164,724	-8,301	1.165,325	-7,400	-2,00%	1.164,996	1.165,473	-0,477	-2,00%	5,500	1.165,363	5,740	1.165,603
10 +	0,000	1.164,739	-8,138	1.165,231	-7,400	-2,00%	1.165,021	1.165,379	-0,358	-2,00%	5,500	1.165,269	5,505	1.165,265
10 +	10,000	1.164,774	-7,944	1.165,137	-7,400	-2,00%	1.165,014	1.165,285	-0,271	-2,00%	5,500	1.165,175	5,946	1.165,621
11 +	0,000	1.164,706	-7,905	1.165,043	-7,400	-2,00%	1.164,714	1.165,191	-0,477	-2,00%	5,500	1.165,081	5,613	1.165,193
11 +	10,000	1.164,806	-7,613	1.164,949	-7,400	-2,00%	1.164,920	1.165,097	-0,177	-2,00%	5,500	1.164,987	5,531	1.164,966



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO				LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
12	+	10,000	1.164,576	-7,676	1.164,760	-7,400	-2,00%	1.165,093	1.164,908	0,185	-2,00%	5,500	1.164,798	6,196	1.165,494
13	+	0,000	1.164,637	-7,444	1.164,666	-7,400	-2,00%	1.165,001	1.164,814	0,187	-2,00%	5,500	1.164,704	6,198	1.165,402
13	+	10,000	1.164,682	-7,510	1.164,572	-7,400	-2,00%	1.165,050	1.164,720	0,330	-2,00%	5,500	1.164,610	6,245	1.165,355
14	+	0,000	1.164,725	-7,647	1.164,478	-7,400	-2,00%	1.165,099	1.164,626	0,473	-2,00%	5,500	1.164,516	6,374	1.165,390
14	+	10,000	1.164,767	-7,783	1.164,384	-7,400	-2,00%	1.165,084	1.164,532	0,552	-2,00%	5,500	1.164,422	6,380	1.165,302
15	+	0,000	1.164,727	-7,837	1.164,290	-7,400	-2,00%	1.164,995	1.164,438	0,557	-2,00%	5,500	1.164,328	6,385	1.165,213
15	+	10,000	1.164,578	-7,782	1.164,196	-7,400	-2,00%	1.164,547	1.164,344	0,203	-2,00%	5,500	1.164,234	5,981	1.164,714
16	+	0,000	1.163,809	-7,840	1.164,102	-7,400	-2,00%	1.164,079	1.164,250	-0,171	-2,00%	5,500	1.164,140	5,506	1.164,146
16	+	10,000	1.163,579	-8,044	1.164,008	-7,400	-2,00%	1.163,891	1.164,156	-0,265	-2,00%	5,500	1.164,046	5,701	1.164,247
17	+	0,000	1.163,516	-7,996	1.163,914	-7,400	-2,00%	1.163,654	1.164,062	-0,408	-2,00%	5,500	1.163,952	5,596	1.163,887
17	+	10,000	1.163,432	-7,981	1.163,819	-7,400	-2,00%	1.163,507	1.163,967	-0,460	-2,00%	5,500	1.163,857	5,523	1.163,842
18	+	0,000	1.163,360	-7,948	1.163,725	-7,400	-2,00%	1.163,429	1.163,873	-0,444	-2,00%	5,500	1.163,763	5,731	1.163,995
18	+	10,000	1.163,251	-7,970	1.163,631	-7,400	-2,00%	1.163,351	1.163,779	-0,428	-2,00%	5,500	1.163,669	5,793	1.163,963
19	+	0,000	1.163,103	-8,052	1.163,537	-7,400	-2,00%	1.163,240	1.163,685	-0,445	-2,00%	5,500	1.163,575	5,799	1.163,376
19	+	10,000	1.162,964	-8,118	1.163,443	-7,400	-2,00%	1.163,080	1.163,591	-0,511	-2,00%	5,500	1.163,481	6,028	1.163,129
20	+	0,000	1.162,847	-8,153	1.163,349	-7,400	-2,00%	1.163,000	1.163,497	-0,497	-2,00%	5,500	1.163,387	5,671	1.163,558
20	+	10,000	1.162,747	-8,143	1.163,243	-7,400	-2,00%	1.162,777	1.163,391	-0,614	-2,00%	5,500	1.163,281	5,901	1.163,013
21	+	0,000	1.162,648	-8,097	1.163,113	-7,400	-2,00%	1.162,683	1.163,261	-0,578	-2,00%	5,500	1.163,151	6,473	1.162,502
21	+	10,000	1.162,445	-8,171	1.162,959	-7,400	-2,00%	1.162,522	1.163,107	-0,585	-2,00%	5,500	1.162,997	5,528	1.162,978
22	+	0,000	1.162,119	-8,393	1.162,781	-7,400	-2,00%	1.162,291	1.162,929	-0,638	-2,00%	5,500	1.162,819	5,751	1.162,652
22	+	10,000	1.161,876	-8,474	1.162,592	-7,400	-2,00%	1.162,101	1.162,740	-0,639	-2,00%	5,500	1.162,630	5,509	1.162,638
23	+	0,000	1.161,875	-8,190	1.162,402	-7,400	-2,00%	1.161,504	1.162,550	-1,046	-2,00%	5,500	1.162,440	6,023	1.162,091
23	+	10,000	1.161,800	-8,019	1.162,212	-7,400	-2,00%	1.161,427	1.162,360	-0,933	-2,00%	5,500	1.162,250	6,257	1.161,745
24	+	0,000	1.161,645	-7,966	1.162,022	-7,400	-2,00%	1.161,436	1.162,170	-0,734	-2,00%	5,500	1.162,060	6,237	1.161,569
24	+	10,000	1.161,446	-7,980	1.161,833	-7,400	-2,00%	1.161,217	1.161,981	-0,764	-2,00%	5,500	1.161,871	6,144	1.161,441
25	+	0,000	1.161,035	-8,312	1.161,643	-7,400	-2,00%	1.161,441	1.161,791	-0,350	-2,00%	5,500	1.161,681	5,726	1.161,907
25	+	10,000	1.160,520	-8,800	1.161,453	-7,400	-2,00%	1.161,007	1.161,601	-0,594	-2,00%	5,500	1.161,491	5,625	1.161,408



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO				LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
26	+	10,000	1.159,470	-9,806	1.161,074	-7,400	-2,00%	1.159,951	1.161,222	-1,271	-2,00%	5,500	1.161,112	5,802	1.160,910
27	+	0,000	1.160,081	-8,604	1.160,884	-7,400	-2,00%	1.160,689	1.161,032	-0,343	-2,00%	5,500	1.160,922	5,635	1.161,057
27	+	10,000	1.158,636	-10,488	1.160,694	-7,400	-2,00%	1.159,553	1.160,842	-1,289	-2,00%	5,500	1.160,732	5,872	1.160,484
28	+	0,000	1.158,341	-10,645	1.160,505	-7,400	-2,00%	1.159,323	1.160,653	-1,330	-2,00%	5,500	1.160,543	5,827	1.160,325
28	+	10,000	1.158,098	-10,725	1.160,315	-7,400	-2,00%	1.159,138	1.160,463	-1,325	-2,00%	5,500	1.160,353	5,796	1.160,155
29	+	0,000	1.157,968	-10,637	1.160,125	-7,400	-2,00%	1.159,273	1.160,273	-1,000	-2,00%	5,500	1.160,163	5,756	1.159,993
29	+	10,000	1.158,655	-9,321	1.159,936	-7,400	-2,00%	1.159,221	1.160,084	-0,863	-2,00%	5,500	1.159,974	5,686	1.159,849
30	+	0,000	1.158,777	-8,854	1.159,746	-7,400	-2,00%	1.159,105	1.159,894	-0,789	-2,00%	5,500	1.159,784	5,595	1.159,721
30	+	10,000	1.158,748	-8,612	1.159,556	-7,400	-2,00%	1.158,990	1.159,704	-0,714	-2,00%	5,500	1.159,594	5,910	1.160,004
31	+	0,000	1.158,617	-8,524	1.159,366	-7,400	-2,00%	1.159,176	1.159,514	-0,338	-2,00%	5,500	1.159,404	5,859	1.159,763
31	+	10,000	1.158,431	-8,519	1.159,177	-7,400	-2,00%	1.158,978	1.159,325	-0,347	-2,00%	5,500	1.159,215	5,725	1.159,440
32	+	0,000	1.158,272	-8,472	1.158,987	-7,400	-2,00%	1.158,885	1.159,135	-0,250	-2,00%	5,500	1.159,025	5,914	1.159,439
32	+	10,000	1.158,042	-8,533	1.158,797	-7,400	-2,00%	1.158,674	1.158,945	-0,271	-2,00%	5,500	1.158,835	5,778	1.159,114
33	+	0,000	1.157,783	-8,637	1.158,608	-7,400	-2,00%	1.158,351	1.158,756	-0,405	-2,00%	5,500	1.158,646	5,627	1.158,773
33	+	10,000	1.157,525	-8,740	1.158,418	-7,400	-2,00%	1.157,843	1.158,566	-0,723	-2,00%	5,500	1.158,456	5,818	1.158,244
34	+	0,000	1.157,057	-9,157	1.158,228	-7,400	-2,00%	1.157,308	1.158,376	-1,068	-2,00%	5,500	1.158,266	5,956	1.157,962
34	+	10,000	1.156,310	-9,993	1.158,038	-7,400	-2,00%	1.156,824	1.158,186	-1,362	-2,00%	5,500	1.158,076	6,275	1.157,560
35	+	0,000	1.155,895	-10,331	1.157,849	-7,400	-2,00%	1.156,706	1.157,997	-1,291	-2,00%	5,500	1.157,887	5,977	1.157,569
35	+	10,000	1.155,598	-10,491	1.157,659	-7,400	-2,00%	1.156,634	1.157,807	-1,173	-2,00%	5,500	1.157,697	5,786	1.157,506
36	+	0,000	1.155,467	-10,404	1.157,469	-7,400	-2,00%	1.156,350	1.157,617	-1,267	-2,00%	5,500	1.157,507	6,316	1.156,963
36	+	10,000	1.155,140	-10,609	1.157,279	-7,400	-2,00%	1.156,189	1.157,427	-1,238	-2,00%	5,500	1.157,317	5,802	1.157,116
37	+	0,000	1.155,004	-10,529	1.157,090	-7,400	-2,00%	1.155,751	1.157,238	-1,487	-2,00%	5,500	1.157,128	5,898	1.156,862
37	+	10,000	1.154,795	-10,558	1.156,900	-7,400	-2,00%	1.155,549	1.157,048	-1,499	-2,00%	5,500	1.156,938	5,872	1.156,690
38	+	0,000	1.154,577	-10,600	1.156,710	-7,400	-2,00%	1.155,078	1.156,858	-1,780	-2,00%	5,500	1.156,748	6,120	1.156,335
38	+	10,000	1.154,440	-10,521	1.156,521	-7,400	-2,00%	1.154,607	1.156,669	-2,062	-2,00%	5,500	1.156,559	6,431	1.155,938
39	+	0,000	1.154,291	-10,460	1.156,331	-7,400	-2,00%	1.154,211	1.156,479	-2,268	-2,00%	5,500	1.156,369	6,417	1.155,758
39	+	10,000	1.154,131	-10,415	1.156,141	-7,400	-2,00%	1.154,057	1.156,289	-2,232	-2,00%	5,500	1.156,179	6,536	1.155,489



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
40	+	10,000	1.154,267	-9,642	1.155,762	-7,400	-2,00%	1.154,205	1.155,910	-1,705	-2,00%	5,500	1.155,800	6,339	1.155,241
41	+	0,000	1.154,045	-9,691	1.155,572	-7,400	-2,00%	1.154,433	1.155,720	-1,287	-2,00%	5,500	1.155,610	5,939	1.155,317
41	+	10,000	1.153,620	-10,044	1.155,382	-7,400	-2,00%	1.154,464	1.155,530	-1,066	-2,00%	5,500	1.155,420	5,985	1.155,097
42	+	0,000	1.153,404	-10,083	1.155,193	-7,400	-2,00%	1.154,324	1.155,341	-1,017	-2,00%	5,500	1.155,231	5,858	1.154,992
42	+	10,000	1.153,163	-10,159	1.155,003	-7,400	-2,00%	1.154,220	1.155,151	-0,931	-2,00%	5,500	1.155,041	5,703	1.154,905
43	+	0,000	1.153,818	-8,893	1.154,813	-7,400	-2,00%	1.154,144	1.154,961	-0,817	-2,00%	5,500	1.154,851	6,069	1.154,472
43	+	10,000	1.153,907	-8,475	1.154,623	-7,400	-2,00%	1.154,352	1.154,771	-0,419	-2,00%	5,500	1.154,661	5,502	1.154,664
44	+	0,000	1.153,822	-8,317	1.154,434	-7,400	-2,00%	1.154,008	1.154,582	-0,574	-2,00%	5,500	1.154,472	5,539	1.154,446
44	+	10,000	1.153,655	-8,283	1.154,244	-7,400	-2,00%	1.153,710	1.154,392	-0,682	-2,00%	5,500	1.154,282	6,052	1.153,914
45	+	0,000	1.153,482	-8,258	1.154,054	-7,400	-2,00%	1.153,519	1.154,202	-0,683	-2,00%	5,500	1.154,092	6,256	1.153,588
45	+	10,000	1.153,285	-8,269	1.153,865	-7,400	-2,00%	1.153,365	1.154,013	-0,648	-2,00%	5,500	1.153,903	6,209	1.153,430
46	+	0,000	1.153,088	-8,281	1.153,675	-7,400	-2,00%	1.153,233	1.153,823	-0,590	-2,00%	5,500	1.153,713	6,100	1.153,313
46	+	10,000	1.152,921	-8,246	1.153,485	-7,400	-2,00%	1.153,073	1.153,633	-0,560	-2,00%	5,500	1.153,523	5,807	1.153,319
47	+	0,000	1.152,708	-8,282	1.153,295	-7,400	-2,00%	1.152,807	1.153,443	-0,636	-2,00%	5,500	1.153,333	5,597	1.153,431
47	+	10,000	1.152,515	-8,286	1.153,106	-7,400	-2,00%	1.152,568	1.153,254	-0,686	-2,00%	5,500	1.153,144	5,561	1.153,103
48	+	0,000	1.152,311	-8,308	1.152,916	-7,400	-2,00%	1.152,410	1.153,064	-0,654	-2,00%	5,500	1.152,954	5,558	1.152,915
48	+	10,000	1.152,099	-8,340	1.152,726	-7,400	-2,00%	1.152,348	1.152,874	-0,526	-2,00%	5,500	1.152,764	5,592	1.152,856
49	+	0,000	1.152,132	-8,006	1.152,537	-7,400	-2,00%	1.152,316	1.152,685	-0,369	-2,00%	5,500	1.152,575	5,811	1.152,367
49	+	10,000	1.151,761	-8,278	1.152,347	-7,400	-2,00%	1.152,386	1.152,495	-0,109	-2,00%	5,500	1.152,385	5,764	1.152,649
50	+	0,000	1.151,390	-8,550	1.152,157	-7,400	-2,00%	1.152,036	1.152,305	-0,269	-2,00%	5,500	1.152,195	5,777	1.152,472
50	+	10,000	1.151,294	-8,410	1.151,967	-7,400	-2,00%	1.151,748	1.152,115	-0,367	-2,00%	5,500	1.152,005	5,777	1.151,821
51	+	0,000	1.151,243	-8,202	1.151,778	-7,400	-2,00%	1.151,212	1.151,926	-0,714	-2,00%	5,500	1.151,816	5,510	1.151,809
51	+	10,000	1.150,996	-8,288	1.151,588	-7,400	-2,00%	1.150,994	1.151,736	-0,742	-2,00%	5,500	1.151,626	5,603	1.151,557
52	+	0,000	1.150,757	-8,362	1.151,398	-7,400	-2,00%	1.150,850	1.151,546	-0,696	-2,00%	5,500	1.151,436	5,756	1.151,266
52	+	10,000	1.150,550	-8,388	1.151,209	-7,400	-2,00%	1.150,863	1.151,357	-0,494	-2,00%	5,500	1.151,247	5,618	1.151,364
53	+	0,000	1.150,333	-8,428	1.151,019	-7,400	-2,00%	1.150,742	1.151,167	-0,425	-2,00%	5,500	1.151,057	5,762	1.150,882
53	+	10,000	1.150,093	-8,505	1.150,829	-7,400	-2,00%	1.150,138	1.150,977	-0,839	-2,00%	5,500	1.150,867	6,223	1.150,385



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
54 +	10,000	1.149,700	-8,524	1.150,450	-7,400	-2,00%	1.149,812	1.150,598	-0,786	-2,00%	5,500	1.150,488	5,896	1.150,223
55 +	0,000	1.149,467	-8,589	1.150,260	-7,400	-2,00%	1.149,566	1.150,408	-0,842	-2,00%	5,500	1.150,298	6,249	1.149,799
55 +	10,000	1.148,807	-9,295	1.150,070	-7,400	-2,00%	1.149,438	1.150,218	-0,780	-2,00%	5,500	1.150,108	6,359	1.149,536
56 +	0,000	1.149,173	-8,461	1.149,881	-7,400	-2,00%	1.149,263	1.150,029	-0,766	-2,00%	5,500	1.149,919	6,235	1.149,428
56 +	10,000	1.149,005	-8,428	1.149,691	-7,400	-2,00%	1.149,148	1.149,839	-0,691	-2,00%	5,500	1.149,729	5,670	1.149,615
57 +	0,000	1.148,826	-8,413	1.149,501	-7,400	-2,00%	1.149,058	1.149,649	-0,591	-2,00%	5,500	1.149,539	6,082	1.149,151
57 +	10,000	1.148,712	-8,300	1.149,311	-7,400	-2,00%	1.148,971	1.149,459	-0,488	-2,00%	5,500	1.149,349	6,210	1.148,876
58 +	0,000	1.148,508	-8,320	1.149,122	-7,400	-2,00%	1.148,796	1.149,270	-0,474	-2,00%	5,500	1.149,160	6,163	1.148,718
58 +	10,000	1.148,278	-8,381	1.148,932	-7,400	-2,00%	1.148,604	1.149,080	-0,476	-2,00%	5,500	1.148,970	5,509	1.148,964
59 +	0,000	1.147,952	-8,585	1.148,742	-7,400	-2,00%	1.148,411	1.148,890	-0,479	-2,00%	5,500	1.148,780	5,588	1.148,868
59 +	10,000	1.147,619	-8,800	1.148,553	-7,400	-2,00%	1.148,235	1.148,701	-0,466	-2,00%	5,500	1.148,591	5,545	1.148,635
59 +	11,701	1.147,585	-8,802	1.148,520	-7,400	-2,00%	1.148,214	1.148,668	-0,454	-2,00%	5,500	1.148,558	5,609	1.148,667
60 +	0,000	1.147,421	-8,810	1.148,361	-7,400	-2,00%	1.148,110	1.148,509	-0,399	-2,00%	5,500	1.148,399	5,670	1.148,569
60 +	10,000	1.147,316	-8,673	1.148,164	-7,400	-2,00%	1.147,740	1.148,312	-0,572	-2,00%	5,500	1.148,202	5,816	1.147,991
61 +	0,000	1.146,908	-8,981	1.147,962	-7,400	-2,00%	1.147,363	1.148,110	-0,747	-2,00%	5,500	1.148,000	6,047	1.147,635
61 +	10,000	1.146,440	-9,372	1.147,755	-7,400	-2,00%	1.147,192	1.147,903	-0,711	-2,00%	5,500	1.147,793	5,778	1.147,608
61 +	11,701	1.146,377	-9,413	1.147,719	-7,400	-2,00%	1.147,156	1.147,867	-0,711	-2,00%	5,500	1.147,757	5,731	1.147,603
62 +	0,000	1.146,179	-9,448	1.147,544	-7,400	-2,00%	1.147,164	1.147,692	-0,528	-2,00%	5,500	1.147,582	5,677	1.147,760
62 +	10,000	1.146,147	-9,180	1.147,333	-7,400	-2,00%	1.147,103	1.147,481	-0,378	-2,00%	5,500	1.147,371	5,534	1.147,348
62 +	16,212	1.146,261	-8,812	1.147,202	-7,400	-2,00%	1.146,818	1.147,350	-0,532	-2,00%	5,500	1.147,240	5,854	1.147,004
63 +	0,000	1.146,315	-8,611	1.147,122	-7,400	-2,00%	1.146,781	1.147,270	-0,489	-2,00%	5,500	1.147,160	5,516	1.147,150
63 +	10,000	1.146,356	-8,233	1.146,911	-7,400	-2,00%	1.147,059	1.147,059	0,000	-2,00%	5,500	1.146,949	6,230	1.147,680
64 +	0,000	1.146,489	-7,718	1.146,701	-7,400	-2,00%	1.146,869	1.146,849	0,020	-2,00%	5,500	1.146,739	6,287	1.147,526
64 +	10,000	1.146,512	-7,423	1.146,490	-7,400	-2,00%	1.147,023	1.146,638	0,385	-2,00%	5,500	1.146,528	6,450	1.147,478
65 +	0,000	1.146,463	-7,584	1.146,279	-7,400	-2,00%	1.147,019	1.146,427	0,592	-2,00%	5,500	1.146,317	6,438	1.147,255
65 +	10,000	1.146,309	-7,641	1.146,068	-7,400	-2,00%	1.146,774	1.146,216	0,558	-2,00%	5,500	1.146,106	6,332	1.146,938
66 +	0,000	1.146,190	-7,733	1.145,857	-7,400	-2,00%	1.146,407	1.146,005	0,402	-2,00%	5,500	1.145,895	6,126	1.146,521



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 1



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO			OFFSET		
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
66 +	10,000	1.146,065	-7,819	1.145,646	-7,400	-2,00%	1.146,359	1.145,794	0,565	-2,00%	5,500	1.145,684	6,153	1.146,337
66 +	17,615	1.145,941	-7,855	1.145,486	-7,400	-2,00%	1.146,196	1.145,634	0,562	-2,00%	5,500	1.145,524	6,126	1.146,149



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
0 +	0,000	1.143,143	-8,245	1.143,707	-7,400	-2,00%	1.144,040	1.143,855	0,185	-2,00%	5,500	1.143,745	5,888	1.144,133
0 +	10,000	1.143,544	-7,414	1.143,530	-7,400	-2,00%	1.144,132	1.143,678	0,454	-2,00%	5,500	1.143,568	6,223	1.144,291
1 +	0,000	1.142,756	-8,295	1.143,353	-7,400	-2,00%	1.144,047	1.143,501	0,546	-2,00%	5,500	1.143,391	6,394	1.144,284
1 +	0,890	1.142,664	-8,409	1.143,337	-7,400	-2,00%	1.144,030	1.143,485	0,545	-2,00%	5,500	1.143,375	6,392	1.144,267
1 +	10,000	1.142,379	-8,595	1.143,175	-7,400	-2,00%	1.143,851	1.143,323	0,528	2,00%	5,500	1.143,433	6,130	1.144,063
2 +	0,000	1.142,244	-8,531	1.142,998	-7,400	-2,00%	1.143,644	1.143,146	0,498	2,00%	5,500	1.143,256	6,137	1.143,893
2 +	10,000	1.142,148	-8,410	1.142,821	-7,400	-2,00%	1.143,046	1.142,969	0,077	2,00%	5,500	1.143,079	6,156	1.143,735
3 +	0,000	1.141,926	-8,476	1.142,644	-7,400	-2,00%	1.142,909	1.142,792	0,117	2,00%	5,500	1.142,902	6,017	1.143,419
3 +	6,182	1.141,848	-8,428	1.142,534	-7,400	-2,00%	1.142,303	1.142,682	-0,379	2,00%	5,500	1.142,792	6,066	1.143,358
3 +	10,000	1.141,751	-8,473	1.142,466	-7,400	-2,00%	1.141,904	1.142,614	-0,710	1,77%	5,500	1.142,712	6,117	1.143,328
3 +	17,072	1.141,561	-8,570	1.142,341	-7,400	-2,00%	1.141,522	1.142,489	-0,967	1,34%	5,500	1.142,563	5,729	1.142,410
4 +	0,000	1.141,540	-8,523	1.142,289	-7,400	-2,00%	1.141,472	1.142,437	-0,965	1,16%	5,500	1.142,501	5,916	1.142,224
4 +	10,000	1.141,037	-9,013	1.142,112	-7,400	-2,00%	1.141,340	1.142,260	-0,920	0,56%	5,500	1.142,291	6,214	1.141,814
5 +	0,000	1.141,001	-8,801	1.141,935	-7,400	-2,00%	1.141,241	1.142,083	-0,842	-0,05%	5,500	1.142,080	5,506	1.142,076
5 +	10,000	1.141,002	-8,534	1.141,757	-7,400	-2,00%	1.141,049	1.141,905	-0,856	-0,66%	5,500	1.141,869	6,356	1.141,299
6 +	0,000	1.140,872	-8,463	1.141,580	-7,400	-2,00%	1.140,915	1.141,728	-0,813	-1,26%	5,500	1.141,659	6,424	1.141,043
6 +	10,000	1.140,657	-8,514	1.141,399	-7,400	-2,00%	1.140,713	1.141,547	-0,834	-1,87%	5,500	1.141,445	6,614	1.140,702
6 +	12,182	1.140,610	-8,523	1.141,359	-7,400	-2,00%	1.140,669	1.141,507	-0,838	-2,00%	5,500	1.141,397	6,655	1.140,627
7 +	0,000	1.140,447	-8,546	1.141,211	-7,400	-2,00%	1.140,721	1.141,359	-0,638	-2,00%	5,500	1.141,249	5,623	1.141,372
7 +	10,000	1.140,251	-8,547	1.141,016	-7,400	-2,00%	1.140,472	1.141,164	-0,692	-2,00%	5,500	1.141,054	5,598	1.140,989
8 +	0,000	1.140,092	-8,483	1.140,814	-7,400	-2,00%	1.139,972	1.140,962	-0,990	-2,00%	5,500	1.140,852	6,432	1.140,231
8 +	10,000	1.139,873	-8,502	1.140,608	-7,400	-2,00%	1.139,734	1.140,756	-1,022	-2,00%	5,500	1.140,646	6,147	1.140,214
9 +	0,000	1.139,644	-8,537	1.140,401	-7,400	-2,00%	1.140,009	1.140,549	-0,540	-2,00%	5,500	1.140,439	5,885	1.140,825
9 +	10,000	1.139,495	-8,451	1.140,195	-7,400	-2,00%	1.139,296	1.140,343	-1,047	-2,00%	5,500	1.140,233	5,749	1.140,067
10 +	0,000	1.139,338	-8,378	1.139,989	-7,400	-2,00%	1.139,114	1.140,137	-1,023	-2,00%	5,500	1.140,027	6,499	1.139,362



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
10 +	10,000	1.139,146	-8,355	1.139,783	-7,400	-2,00%	1.139,070	1.139,931	-0,861	-2,00%	5,500	1.139,821	6,373	1.139,239
11 +	0,000	1.138,948	-8,343	1.139,577	-7,400	-2,00%	1.138,944	1.139,725	-0,781	-2,00%	5,500	1.139,615	5,805	1.139,412
11 +	10,000	1.138,772	-8,299	1.139,371	-7,400	-2,00%	1.138,775	1.139,519	-0,744	-2,00%	5,500	1.139,409	5,960	1.139,103
12 +	0,000	1.138,655	-8,165	1.139,165	-7,400	-2,00%	1.138,492	1.139,313	-0,821	-2,00%	5,500	1.139,203	6,078	1.138,818
12 +	10,000	1.138,416	-8,215	1.138,959	-7,400	-2,00%	1.138,522	1.139,107	-0,585	-2,00%	5,500	1.138,997	5,982	1.138,676
13 +	0,000	1.138,351	-8,003	1.138,753	-7,400	-2,00%	1.138,936	1.138,901	0,035	-2,00%	5,500	1.138,791	6,353	1.139,644
13 +	10,000	1.138,198	-7,923	1.138,547	-7,400	-2,00%	1.137,991	1.138,695	-0,704	-2,00%	5,500	1.138,585	5,672	1.138,470
14 +	0,000	1.138,018	-7,885	1.138,341	-7,400	-2,00%	1.137,954	1.138,489	-0,535	-2,00%	5,500	1.138,379	5,645	1.138,282
14 +	10,000	1.137,832	-7,854	1.138,135	-7,400	-2,00%	1.137,781	1.138,283	-0,502	-2,00%	5,500	1.138,173	5,628	1.138,301
15 +	0,000	1.137,655	-7,811	1.137,929	-7,400	-2,00%	1.137,452	1.138,077	-0,625	-2,00%	5,500	1.137,967	5,989	1.137,641
15 +	10,000	1.137,440	-7,824	1.137,723	-7,400	-2,00%	1.137,272	1.137,871	-0,599	-2,00%	5,500	1.137,761	5,824	1.137,545
16 +	0,000	1.137,240	-7,814	1.137,517	-7,400	-2,00%	1.137,072	1.137,665	-0,593	-2,00%	5,500	1.137,555	5,668	1.137,723
16 +	10,000	1.137,077	-7,751	1.137,310	-7,400	-2,00%	1.137,435	1.137,458	-0,023	-2,00%	5,500	1.137,348	6,462	1.138,311
17 +	0,000	1.136,962	-7,614	1.137,104	-7,400	-2,00%	1.137,253	1.137,252	0,001	-2,00%	5,500	1.137,142	6,059	1.137,701
17 +	10,000	1.136,788	-7,566	1.136,898	-7,400	-2,00%	1.136,520	1.137,046	-0,526	-2,00%	5,500	1.136,936	5,732	1.137,169
18 +	0,000	1.136,576	-7,575	1.136,692	-7,400	-2,00%	1.136,691	1.136,840	-0,149	-2,00%	5,500	1.136,730	6,071	1.137,301
18 +	10,000	1.136,346	-7,611	1.136,486	-7,400	-2,00%	1.136,170	1.136,634	-0,464	-2,00%	5,500	1.136,524	5,779	1.136,338
19 +	0,000	1.136,110	-7,655	1.136,280	-7,400	-2,00%	1.135,930	1.136,428	-0,498	-2,00%	5,500	1.136,318	5,857	1.136,675
19 +	10,000	1.135,906	-7,653	1.136,074	-7,400	-2,00%	1.135,764	1.136,222	-0,458	-2,00%	5,500	1.136,112	6,027	1.135,761
20 +	0,000	1.135,739	-7,594	1.135,868	-7,400	-2,00%	1.135,799	1.136,016	-0,217	-2,00%	5,500	1.135,906	5,928	1.135,621
20 +	10,000	1.135,542	-7,580	1.135,662	-7,400	-2,00%	1.135,611	1.135,810	-0,199	-2,00%	5,500	1.135,700	5,961	1.135,393
21 +	0,000	1.135,319	-7,606	1.135,456	-7,400	-2,00%	1.135,414	1.135,604	-0,190	-2,00%	5,500	1.135,494	5,869	1.135,248
21 +	10,000	1.135,122	-7,592	1.135,250	-7,400	-2,00%	1.135,061	1.135,398	-0,337	-2,00%	5,500	1.135,288	5,842	1.135,060
22 +	0,000	1.134,926	-7,576	1.135,044	-7,400	-2,00%	1.134,978	1.135,192	-0,214	-2,00%	5,500	1.135,082	5,919	1.134,803
22 +	10,000	1.134,662	-7,663	1.134,838	-7,400	-2,00%	1.134,471	1.134,986	-0,515	-2,00%	5,500	1.134,876	5,522	1.134,861



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
23 +	0,000	1.134,515	-7,575	1.134,632	-7,400	-2,00%	1.134,265	1.134,780	-0,515	-2,00%	5,500	1.134,670	6,015	1.134,327
23 +	10,000	1.134,268	-7,637	1.134,426	-7,400	-2,00%	1.134,363	1.134,574	-0,211	-2,00%	5,500	1.134,464	5,509	1.134,457
24 +	0,000	1.134,083	-7,605	1.134,219	-7,400	-2,00%	1.134,207	1.134,367	-0,160	-2,00%	5,500	1.134,257	6,264	1.135,022
24 +	10,000	1.133,823	-7,686	1.134,013	-7,400	-2,00%	1.133,821	1.134,161	-0,340	-2,00%	5,500	1.134,051	5,765	1.133,875
25 +	0,000	1.133,565	-7,764	1.133,807	-7,400	-2,00%	1.133,664	1.133,955	-0,291	-2,00%	5,500	1.133,845	6,040	1.133,486
25 +	10,000	1.133,415	-7,680	1.133,601	-7,400	-2,00%	1.133,411	1.133,749	-0,338	-2,00%	5,500	1.133,639	5,734	1.133,483
26 +	0,000	1.133,146	-7,773	1.133,395	-7,400	-2,00%	1.133,255	1.133,543	-0,288	-2,00%	5,500	1.133,433	6,458	1.134,391
26 +	10,000	1.132,960	-7,743	1.133,189	-7,400	-2,00%	1.133,307	1.133,337	-0,030	-2,00%	5,500	1.133,227	5,695	1.133,097
27 +	0,000	1.132,761	-7,733	1.132,983	-7,400	-2,00%	1.132,677	1.133,131	-0,454	-2,00%	5,500	1.133,021	5,598	1.132,956
27 +	10,000	1.132,513	-7,796	1.132,777	-7,400	-2,00%	1.132,676	1.132,925	-0,249	-2,00%	5,500	1.132,815	5,689	1.133,004
28 +	0,000	1.132,316	-7,783	1.132,571	-7,400	-2,00%	1.132,489	1.132,719	-0,230	-2,00%	5,500	1.132,609	5,625	1.132,734
28 +	10,000	1.132,138	-7,741	1.132,365	-7,400	-2,00%	1.132,354	1.132,513	-0,159	-2,00%	5,500	1.132,403	5,512	1.132,395
29 +	0,000	1.131,888	-7,806	1.132,159	-7,400	-2,00%	1.132,065	1.132,307	-0,242	-2,00%	5,500	1.132,197	5,702	1.132,062
29 +	10,000	1.131,622	-7,896	1.131,953	-7,400	-2,00%	1.131,775	1.132,101	-0,326	-2,00%	5,500	1.131,991	5,820	1.132,311
30 +	0,000	1.131,384	-7,944	1.131,747	-7,400	-2,00%	1.131,530	1.131,895	-0,365	-2,00%	5,500	1.131,785	5,936	1.132,221
30 +	10,000	1.131,147	-7,991	1.131,541	-7,400	-2,00%	1.131,353	1.131,689	-0,336	-2,00%	5,500	1.131,579	5,669	1.131,466
31 +	0,000	1.130,928	-7,993	1.131,324	-7,400	-2,00%	1.131,101	1.131,472	-0,371	-2,00%	5,500	1.131,362	6,283	1.132,145
31 +	10,000	1.130,715	-7,955	1.131,085	-7,400	-2,00%	1.130,853	1.131,233	-0,380	-2,00%	5,500	1.131,123	5,573	1.131,074
32 +	0,000	1.130,439	-7,978	1.130,824	-7,400	-2,00%	1.130,593	1.130,972	-0,379	-2,00%	5,500	1.130,862	6,241	1.131,604
32 +	10,000	1.130,128	-8,021	1.130,542	-7,400	-2,00%	1.130,319	1.130,690	-0,371	-2,00%	5,500	1.130,580	5,909	1.130,989
33 +	0,000	1.129,854	-7,975	1.130,238	-7,400	-2,00%	1.130,073	1.130,386	-0,313	-2,00%	5,500	1.130,276	5,931	1.130,707
33 +	10,000	1.129,612	-7,850	1.129,912	-7,400	-2,00%	1.129,847	1.130,060	-0,213	-2,00%	5,500	1.129,950	6,381	1.130,830
34 +	0,000	1.129,352	-7,735	1.129,575	-7,400	-2,00%	1.129,603	1.129,723	-0,120	-2,00%	5,500	1.129,613	6,508	1.130,621
34 +	10,000	1.129,028	-7,715	1.129,238	-7,400	-2,00%	1.129,205	1.129,386	-0,181	-2,00%	5,500	1.129,276	6,255	1.130,032
35 +	0,000	1.128,702	-7,698	1.128,901	-7,400	-2,00%	1.128,808	1.129,049	-0,241	-2,00%	5,500	1.128,939	5,865	1.128,696



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
35 +	10,000	1.128,379	-7,678	1.128,564	-7,400	-2,00%	1.128,489	1.128,712	-0,223	-2,00%	5,500	1.128,602	5,863	1.128,360
36 +	0,000	1.128,065	-7,644	1.128,228	-7,400	-2,00%	1.128,227	1.128,376	-0,149	-2,00%	5,500	1.128,266	5,922	1.127,984
36 +	10,000	1.127,775	-7,574	1.127,891	-7,400	-2,00%	1.128,077	1.128,039	0,038	-2,00%	5,500	1.127,929	5,660	1.127,822
37 +	0,000	1.127,470	-7,526	1.127,554	-7,400	-2,00%	1.127,784	1.127,702	0,082	-2,00%	5,500	1.127,592	5,688	1.127,780
37 +	10,000	1.127,165	-7,478	1.127,217	-7,400	-2,00%	1.127,245	1.127,365	-0,120	-2,00%	5,500	1.127,255	5,688	1.127,443
38 +	0,000	1.127,089	-7,609	1.126,880	-7,400	-2,00%	1.127,563	1.127,028	0,535	-2,00%	5,500	1.126,918	6,779	1.128,197
38 +	10,000	1.126,728	-7,585	1.126,543	-7,400	-2,00%	1.127,140	1.126,691	0,449	-2,00%	5,500	1.126,581	6,739	1.127,820
39 +	0,000	1.126,270	-7,463	1.126,206	-7,400	-2,00%	1.126,523	1.126,354	0,169	-2,00%	5,500	1.126,244	6,468	1.127,213
39 +	10,000	1.125,806	-7,495	1.125,870	-7,400	-2,00%	1.126,029	1.126,018	0,011	-2,00%	5,500	1.125,908	5,727	1.126,134
40 +	0,000	1.125,347	-7,678	1.125,533	-7,400	-2,00%	1.125,608	1.125,681	-0,073	-2,00%	5,500	1.125,571	5,751	1.125,821
40 +	10,000	1.124,978	-7,727	1.125,196	-7,400	-2,00%	1.125,258	1.125,344	-0,086	-2,00%	5,500	1.125,234	6,198	1.125,932
41 +	0,000	1.124,595	-7,796	1.124,859	-7,400	-2,00%	1.124,913	1.125,007	-0,094	-2,00%	5,500	1.124,897	6,465	1.125,861
41 +	10,000	1.124,186	-7,904	1.124,522	-7,400	-2,00%	1.124,564	1.124,670	-0,106	-2,00%	5,500	1.124,560	5,880	1.124,940
42 +	0,000	1.123,905	-7,820	1.124,185	-7,400	-2,00%	1.124,142	1.124,333	-0,191	-2,00%	5,500	1.124,223	6,463	1.125,186
42 +	10,000	1.123,648	-7,701	1.123,848	-7,400	-2,00%	1.123,941	1.123,996	-0,055	-2,00%	5,500	1.123,886	5,770	1.124,156
43 +	0,000	1.123,357	-7,631	1.123,511	-7,400	-2,00%	1.123,586	1.123,659	-0,073	-2,00%	5,500	1.123,549	5,944	1.123,994
43 +	10,000	1.122,956	-7,728	1.123,175	-7,400	-2,00%	1.123,044	1.123,323	-0,279	-2,00%	5,500	1.123,213	5,714	1.123,426
44 +	0,000	1.122,380	-8,086	1.122,838	-7,400	-2,00%	1.122,690	1.122,986	-0,296	-2,00%	5,500	1.122,876	5,701	1.123,077
44 +	10,000	1.122,018	-8,125	1.122,501	-7,400	-2,00%	1.122,419	1.122,649	-0,230	-2,00%	5,500	1.122,539	6,257	1.123,296
45 +	0,000	1.121,897	-7,800	1.122,164	-7,400	-2,00%	1.122,074	1.122,312	-0,238	-2,00%	5,500	1.122,202	5,978	1.122,680
45 +	10,000	1.121,539	-7,832	1.121,827	-7,400	-2,00%	1.121,771	1.121,975	-0,204	-2,00%	5,500	1.121,865	5,612	1.121,977
46 +	0,000	1.121,278	-7,718	1.121,490	-7,400	-2,00%	1.121,433	1.121,638	-0,205	-2,00%	5,500	1.121,528	5,617	1.121,645
46 +	10,000	1.121,510	-7,756	1.121,153	-7,400	-2,00%	1.121,386	1.121,301	0,085	-2,00%	5,500	1.121,191	6,824	1.122,515
47 +	0,000	1.121,513	-8,096	1.120,817	-7,400	-2,00%	1.121,790	1.120,965	0,825	-2,00%	5,500	1.120,855	6,923	1.122,278
47 +	10,000	1.121,257	-8,177	1.120,480	-7,400	-2,00%	1.121,764	1.120,628	1,136	-2,00%	5,500	1.120,518	7,032	1.122,049



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
48 +	0,000	1.120,858	-8,115	1.120,143	-7,400	-2,00%	1.121,582	1.120,291	1,291	-2,00%	5,500	1.120,181	7,190	1.121,871
48 +	10,000	1.120,464	-8,058	1.119,806	-7,400	-2,00%	1.121,304	1.119,954	1,350	-2,00%	5,500	1.119,844	7,267	1.121,611
49 +	0,000	1.119,734	-7,664	1.119,469	-7,400	-2,00%	1.119,347	1.119,617	-0,270	-2,00%	5,500	1.119,507	5,604	1.119,611
49 +	10,000	1.118,821	-7,866	1.119,132	-7,400	-2,00%	1.118,920	1.119,280	-0,360	-2,00%	5,500	1.119,170	6,341	1.118,610
50 +	0,000	1.118,520	-7,813	1.118,795	-7,400	-2,00%	1.118,600	1.118,943	-0,343	-2,00%	5,500	1.118,833	6,096	1.118,436
50 +	10,000	1.118,151	-7,862	1.118,459	-7,400	-2,00%	1.118,493	1.118,607	-0,114	-2,00%	5,500	1.118,497	5,627	1.118,412
51 +	0,000	1.117,800	-7,883	1.118,122	-7,400	-2,00%	1.118,291	1.118,270	0,021	-2,00%	5,500	1.118,160	5,835	1.117,937
51 +	10,000	1.117,509	-7,814	1.117,785	-7,400	-2,00%	1.117,723	1.117,933	-0,210	-2,00%	5,500	1.117,823	6,121	1.118,444
52 +	0,000	1.117,196	-7,778	1.117,448	-7,400	-2,00%	1.117,229	1.117,596	-0,367	-2,00%	5,500	1.117,486	5,723	1.117,337
52 +	10,000	1.116,799	-7,869	1.117,111	-7,400	-2,00%	1.117,213	1.117,259	-0,046	-2,00%	5,500	1.117,149	6,223	1.117,873
52 +	16,137	1.116,695	-7,714	1.116,904	-7,400	-2,00%	1.117,118	1.117,052	0,066	-2,00%	5,500	1.116,942	6,685	1.118,128
53 +	0,000	1.116,528	-7,769	1.116,774	-7,400	-2,00%	1.116,569	1.116,922	-0,353	-1,77%	5,500	1.116,825	6,345	1.117,671
53 +	10,000	1.116,089	-7,923	1.116,437	-7,400	-2,00%	1.116,156	1.116,585	-0,429	-1,16%	5,500	1.116,522	5,749	1.116,356
54 +	0,000	1.115,799	-7,852	1.116,101	-7,400	-2,00%	1.115,806	1.116,249	-0,443	-0,55%	5,500	1.116,218	5,813	1.116,531
54 +	10,000	1.115,436	-7,892	1.115,764	-7,400	-2,00%	1.115,448	1.115,912	-0,464	0,05%	5,500	1.115,915	6,148	1.115,483
55 +	0,000	1.114,980	-8,071	1.115,427	-7,400	-2,00%	1.115,100	1.115,575	-0,475	0,66%	5,500	1.115,611	5,787	1.115,898
55 +	10,000	1.114,615	-8,112	1.115,090	-7,400	-2,00%	1.114,697	1.115,238	-0,541	1,26%	5,500	1.115,307	6,273	1.114,792
55 +	11,247	1.114,577	-8,107	1.115,048	-7,400	-2,00%	1.114,658	1.115,196	-0,538	1,34%	5,500	1.115,270	6,297	1.114,739
56 +	0,000	1.114,318	-8,053	1.114,753	-7,400	-2,00%	1.114,348	1.114,901	-0,553	1,87%	5,500	1.115,004	6,378	1.114,419
56 +	2,137	1.114,236	-8,067	1.114,681	-7,400	-2,00%	1.114,272	1.114,829	-0,557	2,00%	5,500	1.114,939	6,317	1.114,394
56 +	10,000	1.113,945	-8,107	1.114,416	-7,400	-2,00%	1.113,973	1.114,564	-0,591	2,00%	5,500	1.114,674	6,015	1.114,331
57 +	0,000	1.113,650	-8,044	1.114,079	-7,400	-2,00%	1.113,624	1.114,227	-0,603	2,00%	5,500	1.114,337	5,961	1.114,030
57 +	10,000	1.113,285	-8,086	1.113,743	-7,400	-2,00%	1.113,367	1.113,891	-0,524	2,00%	5,500	1.114,001	6,722	1.113,186
57 +	20,000	1.112,900	-8,159	1.113,406	-7,400	-2,00%	1.112,996	1.113,554	-0,558	2,00%	5,500	1.113,664	6,008	1.113,325
58 +	10,000	1.112,489	-8,262	1.113,064	-7,400	-2,00%	1.112,617	1.113,212	-0,595	2,00%	5,500	1.113,322	6,529	1.112,636



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
59 +	0,000	1.112,139	-8,260	1.112,713	-7,400	-2,00%	1.112,274	1.112,861	-0,587	2,00%	5,500	1.112,971	7,048	1.111,939
59 +	10,000	1.111,744	-8,312	1.112,352	-7,400	-2,00%	1.111,927	1.112,500	-0,573	2,00%	5,500	1.112,610	7,079	1.111,557
59 +	20,000	1.111,345	-8,354	1.111,981	-7,400	-2,00%	1.111,553	1.112,129	-0,576	2,00%	5,500	1.112,239	7,452	1.110,938
60 +	10,000	1.110,950	-8,385	1.111,606	-7,400	-2,00%	1.111,160	1.111,754	-0,594	2,00%	5,500	1.111,864	6,637	1.111,106
60 +	13,501	1.110,809	-8,399	1.111,475	-7,400	-2,00%	1.111,026	1.111,623	-0,597	2,00%	5,500	1.111,733	6,905	1.110,796
61 +	0,000	1.110,549	-8,467	1.111,260	-7,400	-1,61%	1.110,778	1.111,379	-0,601	1,61%	5,500	1.111,467	6,811	1.110,594
61 +	10,000	1.110,118	-8,618	1.110,930	-7,400	-1,00%	1.110,362	1.111,004	-0,642	1,00%	5,500	1.111,059	6,609	1.110,320
62 +	0,000	1.109,655	-8,816	1.110,599	-7,400	-0,39%	1.109,890	1.110,628	-0,738	0,39%	5,500	1.110,650	6,548	1.109,951
62 +	6,499	1.109,387	-8,897	1.110,385	-7,400	0,00%	1.109,640	1.110,385	-0,745	0,00%	5,500	1.110,385	6,442	1.109,756
62 +	6,502	1.109,387	-8,897	1.110,384	-7,400	0,00%	1.109,640	1.110,384	-0,744	0,00%	5,500	1.110,384	6,442	1.109,756
62 +	10,000	1.109,255	-8,922	1.110,269	-7,400	0,21%	1.109,538	1.110,253	-0,715	-0,21%	5,500	1.110,242	6,337	1.109,683
63 +	0,000	1.108,842	-9,045	1.109,939	-7,400	0,82%	1.108,991	1.109,878	-0,887	-0,82%	5,500	1.109,833	6,439	1.109,207
63 +	10,000	1.108,451	-9,136	1.109,608	-7,400	1,42%	1.108,581	1.109,503	-0,922	-1,42%	5,500	1.109,424	6,645	1.108,661
63 +	19,501	1.108,076	-9,228	1.109,294	-7,400	2,00%	1.108,211	1.109,146	-0,935	-2,00%	5,500	1.109,036	6,594	1.108,307
64 +	0,000	1.108,056	-9,229	1.109,276	-7,400	2,00%	1.108,191	1.109,128	-0,937	-2,00%	5,500	1.109,018	6,594	1.108,288
64 +	10,000	1.107,664	-9,255	1.108,900	-7,400	2,00%	1.107,803	1.108,752	-0,949	-2,00%	5,500	1.108,642	6,610	1.107,902
65 +	0,000	1.107,273	-9,278	1.108,525	-7,400	2,00%	1.107,416	1.108,377	-0,961	-2,00%	5,500	1.108,267	6,709	1.107,461
65 +	10,000	1.106,883	-9,299	1.108,150	-7,400	2,00%	1.106,969	1.108,002	-1,033	-2,00%	5,500	1.107,892	6,784	1.107,036
66 +	0,000	1.106,470	-9,357	1.107,775	-7,400	2,00%	1.106,570	1.107,627	-1,057	-2,00%	5,500	1.107,517	6,811	1.106,642
66 +	10,000	1.106,096	-9,355	1.107,399	-7,400	2,00%	1.106,170	1.107,251	-1,081	-2,00%	5,500	1.107,141	6,858	1.106,236
67 +	0,000	1.105,737	-9,330	1.107,024	-7,400	2,00%	1.105,815	1.106,876	-1,061	-2,00%	5,500	1.106,766	6,842	1.105,872
67 +	10,000	1.105,379	-9,304	1.106,649	-7,400	2,00%	1.105,460	1.106,501	-1,041	-2,00%	5,500	1.106,391	6,788	1.105,532
68 +	0,000	1.105,060	-9,221	1.106,274	-7,400	2,00%	1.105,213	1.106,126	-0,913	-2,00%	5,500	1.106,016	6,541	1.105,322
68 +	10,000	1.104,606	-9,338	1.105,898	-7,400	2,00%	1.104,624	1.105,750	-1,126	-2,00%	5,500	1.105,640	6,867	1.104,729
69 +	0,000	1.104,225	-9,347	1.105,523	-7,400	2,00%	1.104,246	1.105,375	-1,129	-2,00%	5,500	1.105,265	7,004	1.104,262



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
69 +	10,000	1.103,844	-9,355	1.105,148	-7,400	2,00%	1.103,869	1.105,000	-1,131	-2,00%	5,500	1.104,890	7,018	1.103,878
70 +	0,000	1.103,450	-9,384	1.104,773	-7,400	2,00%	1.103,450	1.104,625	-1,175	-2,00%	5,500	1.104,515	7,096	1.103,451
70 +	10,000	1.103,034	-9,445	1.104,397	-7,400	2,00%	1.103,031	1.104,249	-1,218	-2,00%	5,500	1.104,139	7,166	1.103,029
71 +	0,000	1.102,621	-9,502	1.104,022	-7,400	2,00%	1.102,622	1.103,874	-1,252	-2,00%	5,500	1.103,764	7,212	1.102,623
71 +	10,000	1.102,207	-9,559	1.103,647	-7,400	2,00%	1.102,212	1.103,499	-1,287	-2,00%	5,500	1.103,389	7,268	1.102,210
72 +	0,000	1.101,786	-9,628	1.103,272	-7,400	2,00%	1.101,779	1.103,124	-1,345	-2,00%	5,500	1.103,014	7,362	1.101,773
72 +	10,000	1.101,361	-9,704	1.102,896	-7,400	2,00%	1.101,357	1.102,748	-1,391	-2,00%	5,500	1.102,638	7,462	1.101,330
73 +	0,000	1.100,932	-9,783	1.102,521	-7,400	2,00%	1.100,938	1.102,373	-1,435	-2,00%	5,500	1.102,263	7,481	1.100,942
73 +	10,000	1.100,504	-9,863	1.102,146	-7,400	2,00%	1.100,514	1.101,998	-1,484	-2,00%	5,500	1.101,888	7,550	1.100,521
74 +	0,000	1.100,079	-9,938	1.101,771	-7,400	2,00%	1.100,100	1.101,623	-1,523	-2,00%	5,500	1.101,513	7,594	1.100,117
74 +	4,003	1.099,935	-9,928	1.101,620	-7,400	2,00%	1.099,955	1.101,472	-1,517	-2,00%	5,500	1.101,362	7,602	1.099,961
74 +	10,000	1.099,700	-9,903	1.101,369	-7,400	1,64%	1.099,759	1.101,247	-1,488	-1,64%	5,500	1.101,157	7,575	1.099,774
75 +	0,000	1.099,308	-9,860	1.100,948	-7,400	1,03%	1.099,371	1.100,872	-1,501	-1,03%	5,500	1.100,816	7,594	1.099,419
75 +	10,000	1.098,917	-9,836	1.100,541	-7,400	0,42%	1.098,983	1.100,510	-1,527	-0,42%	5,500	1.100,487	7,797	1.098,955
75 +	17,002	1.098,643	-9,842	1.100,272	-7,400	0,00%	1.098,593	1.100,272	-1,679	0,00%	5,500	1.100,272	8,065	1.098,562
75 +	17,003	1.098,643	-9,842	1.100,272	-7,400	0,00%	1.098,593	1.100,272	-1,679	0,00%	5,500	1.100,272	8,065	1.098,562
76 +	0,000	1.098,500	-9,891	1.100,160	-7,400	-0,18%	1.098,499	1.100,174	-1,675	0,18%	5,500	1.100,184	8,028	1.098,499
76 +	10,000	1.098,202	-9,805	1.099,805	-7,400	-0,79%	1.098,242	1.099,863	-1,621	0,79%	5,500	1.099,907	7,929	1.098,288
77 +	0,000	1.097,891	-9,778	1.099,476	-7,400	-1,39%	1.097,915	1.099,579	-1,664	1,39%	5,500	1.099,656	8,081	1.097,935
77 +	10,000	1.097,579	-9,790	1.099,173	-7,400	-2,00%	1.097,621	1.099,321	-1,700	2,00%	5,500	1.099,431	8,085	1.097,708
77 +	10,003	1.097,579	-9,790	1.099,173	-7,400	-2,00%	1.097,621	1.099,321	-1,700	2,00%	5,500	1.099,431	8,085	1.097,708
78 +	0,000	1.097,332	-9,814	1.098,941	-7,400	-2,00%	1.097,500	1.099,089	-1,589	2,00%	5,500	1.099,199	7,847	1.097,634
78 +	10,000	1.096,973	-10,043	1.098,735	-7,400	-2,00%	1.096,931	1.098,883	-1,952	2,00%	5,500	1.098,993	8,436	1.097,035
79 +	0,000	1.096,702	-10,178	1.098,554	-7,400	-2,00%	1.096,657	1.098,702	-2,045	2,00%	5,500	1.098,812	8,628	1.096,727
79 +	10,000	1.096,432	-10,352	1.098,400	-7,400	-2,00%	1.096,503	1.098,548	-2,045	2,00%	5,500	1.098,658	8,232	1.096,837



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
80 +	0,000	1.096,180	-10,538	1.098,272	-7,400	-2,00%	1.096,180	1.098,420	-2,240	2,00%	5,500	1.098,530	8,572	1.096,482
80 +	10,000	1.096,270	-10,249	1.098,170	-7,400	-2,00%	1.096,366	1.098,318	-1,952	2,00%	5,500	1.098,428	7,936	1.096,804
81 +	0,000	1.096,404	-9,934	1.098,094	-7,400	-2,00%	1.096,285	1.098,242	-1,957	2,00%	5,500	1.098,352	7,512	1.097,011
81 +	10,000	1.096,539	-9,656	1.098,043	-7,400	-2,00%	1.096,425	1.098,191	-1,766	2,00%	5,500	1.098,301	7,304	1.097,099
82 +	0,000	1.096,681	-9,408	1.098,019	-7,400	-2,00%	1.096,580	1.098,167	-1,587	2,00%	5,500	1.098,277	7,128	1.097,192
82 +	1,366	1.096,737	-9,322	1.098,018	-7,400	-2,00%	1.096,637	1.098,166	-1,529	2,00%	5,500	1.098,276	7,061	1.097,235
82 +	10,000	1.096,803	-9,226	1.098,021	-7,400	-2,00%	1.096,927	1.098,169	-1,242	1,48%	5,500	1.098,250	6,655	1.097,480
82 +	12,256	1.096,805	-9,229	1.098,025	-7,400	-2,00%	1.096,929	1.098,173	-1,244	1,34%	5,500	1.098,247	6,837	1.097,355
83 +	0,000	1.096,810	-9,258	1.098,049	-7,400	-2,00%	1.096,935	1.098,197	-1,262	0,87%	5,500	1.098,245	6,133	1.097,823
83 +	10,000	1.096,770	-9,399	1.098,103	-7,400	-2,00%	1.097,422	1.098,251	-0,829	0,27%	5,500	1.098,265	5,521	1.098,251
84 +	0,000	1.096,762	-9,530	1.098,182	-7,400	-2,00%	1.097,397	1.098,330	-0,933	-0,34%	5,500	1.098,312	5,856	1.098,074
84 +	10,000	1.097,004	-9,327	1.098,288	-7,400	-2,00%	1.097,343	1.098,436	-1,093	-0,95%	5,500	1.098,384	6,077	1.097,999
85 +	0,000	1.097,136	-9,325	1.098,420	-7,400	-2,00%	1.097,602	1.098,568	-0,966	-1,55%	5,500	1.098,483	6,426	1.097,865
85 +	7,366	1.097,233	-9,352	1.098,534	-7,400	-2,00%	1.097,795	1.098,682	-0,887	-2,00%	5,500	1.098,572	6,290	1.098,045
85 +	10,000	1.097,267	-9,367	1.098,578	-7,400	-2,00%	1.097,830	1.098,726	-0,896	-2,00%	5,500	1.098,616	6,253	1.098,114
86 +	0,000	1.097,395	-9,451	1.098,762	-7,400	-2,00%	1.097,962	1.098,910	-0,948	-2,00%	5,500	1.098,800	6,149	1.098,367
86 +	10,000	1.097,520	-9,578	1.098,972	-7,400	-2,00%	1.098,024	1.099,120	-1,096	-2,00%	5,500	1.099,010	6,225	1.098,526
87 +	0,000	1.097,580	-9,841	1.099,207	-7,400	-2,00%	1.098,144	1.099,355	-1,211	-2,00%	5,500	1.099,245	6,203	1.098,777
87 +	10,000	1.097,759	-9,947	1.099,456	-7,400	-2,00%	1.098,406	1.099,604	-1,198	-2,00%	5,500	1.099,494	5,921	1.099,214
88 +	0,000	1.098,035	-9,906	1.099,705	-7,400	-2,00%	1.098,594	1.099,853	-1,259	-2,00%	5,500	1.099,743	6,230	1.099,257
88 +	10,000	1.098,398	-9,735	1.099,954	-7,400	-2,00%	1.099,032	1.100,102	-1,070	-2,00%	5,500	1.099,992	5,866	1.099,748
89 +	0,000	1.098,705	-9,647	1.100,203	-7,400	-2,00%	1.099,984	1.100,351	-0,367	-2,00%	5,500	1.100,241	5,965	1.100,705
89 +	10,000	1.099,002	-9,574	1.100,452	-7,400	-2,00%	1.100,154	1.100,600	-0,446	-2,00%	5,500	1.100,490	5,877	1.100,867
90 +	0,000	1.099,329	-9,458	1.100,700	-7,400	-2,00%	1.099,891	1.100,848	-0,957	-2,00%	5,500	1.100,738	5,628	1.100,653
90 +	10,000	1.099,643	-9,359	1.100,949	-7,400	-2,00%	1.100,151	1.101,097	-0,946	-2,00%	5,500	1.100,987	5,556	1.100,950



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
91 +	0,000	1.099,972	-9,239	1.101,198	-7,400	-2,00%	1.100,614	1.101,346	-0,732	-2,00%	5,500	1.101,236	5,614	1.101,160
91 +	10,000	1.100,330	-9,076	1.101,447	-7,400	-2,00%	1.100,811	1.101,595	-0,784	-2,00%	5,500	1.101,485	5,896	1.101,881
92 +	0,000	1.100,693	-8,905	1.101,696	-7,400	-2,00%	1.101,075	1.101,844	-0,769	-2,00%	5,500	1.101,734	5,540	1.101,774
92 +	10,000	1.100,988	-8,835	1.101,945	-7,400	-2,00%	1.101,388	1.102,093	-0,705	-2,00%	5,500	1.101,983	5,691	1.102,174
93 +	0,000	1.101,262	-8,798	1.102,194	-7,400	-2,00%	1.102,006	1.102,342	-0,336	-2,00%	5,500	1.102,232	5,699	1.102,431
93 +	10,000	1.101,558	-8,726	1.102,442	-7,400	-2,00%	1.102,226	1.102,590	-0,364	-2,00%	5,500	1.102,480	6,040	1.103,020
94 +	0,000	1.101,858	-8,649	1.102,691	-7,400	-2,00%	1.102,227	1.102,839	-0,612	-2,00%	5,500	1.102,729	5,500	1.102,729
94 +	10,000	1.102,170	-8,555	1.102,940	-7,400	-2,00%	1.102,559	1.103,088	-0,529	-2,00%	5,500	1.102,978	5,782	1.103,260
95 +	0,000	1.102,458	-8,496	1.103,189	-7,400	-2,00%	1.102,834	1.103,337	-0,503	-2,00%	5,500	1.103,227	5,945	1.103,672
95 +	10,000	1.102,743	-8,442	1.103,438	-7,400	-2,00%	1.103,065	1.103,586	-0,521	-2,00%	5,500	1.103,476	5,928	1.103,904
96 +	0,000	1.103,029	-8,387	1.103,687	-7,400	-2,00%	1.103,320	1.103,835	-0,515	-2,00%	5,500	1.103,725	6,085	1.104,309
96 +	10,000	1.103,335	-8,300	1.103,935	-7,400	-2,00%	1.103,627	1.104,083	-0,456	-2,00%	5,500	1.103,973	5,872	1.104,345
97 +	0,000	1.103,682	-8,154	1.104,184	-7,400	-2,00%	1.103,933	1.104,332	-0,399	-2,00%	5,500	1.104,222	5,730	1.104,452
97 +	10,000	1.103,970	-8,094	1.104,433	-7,400	-2,00%	1.104,203	1.104,581	-0,378	-2,00%	5,500	1.104,471	6,060	1.105,031
98 +	0,000	1.104,080	-8,302	1.104,682	-7,400	-2,00%	1.104,420	1.104,830	-0,410	-2,00%	5,500	1.104,720	6,064	1.105,284
98 +	10,000	1.104,307	-8,336	1.104,931	-7,400	-2,00%	1.104,660	1.105,079	-0,419	-2,00%	5,500	1.104,969	6,264	1.105,733
99 +	0,000	1.104,611	-8,253	1.105,180	-7,400	-2,00%	1.104,936	1.105,328	-0,392	-2,00%	5,500	1.105,218	6,020	1.105,738
99 +	10,000	1.104,941	-8,131	1.105,428	-7,400	-2,00%	1.105,239	1.105,576	-0,337	-2,00%	5,500	1.105,466	6,079	1.106,046
100 +	0,000	1.105,272	-8,008	1.105,677	-7,400	-2,00%	1.105,543	1.105,825	-0,282	-2,00%	5,500	1.105,715	6,049	1.106,265
100 +	10,000	1.105,591	-7,903	1.105,926	-7,400	-2,00%	1.105,664	1.106,074	-0,410	-2,00%	5,500	1.105,964	5,675	1.106,140
101 +	0,000	1.105,918	-7,786	1.106,175	-7,400	-2,00%	1.105,995	1.106,323	-0,328	-2,00%	5,500	1.106,213	5,864	1.106,577
101 +	10,000	1.106,095	-7,893	1.106,424	-7,400	-2,00%	1.106,376	1.106,572	-0,196	-2,00%	5,500	1.106,462	5,674	1.106,636
102 +	0,000	1.106,366	-7,860	1.106,673	-7,400	-2,00%	1.106,647	1.106,821	-0,174	-2,00%	5,500	1.106,711	5,978	1.107,189
102 +	10,000	1.106,637	-7,827	1.106,922	-7,400	-2,00%	1.107,188	1.107,070	0,118	-2,00%	5,500	1.106,960	6,300	1.107,759
103 +	0,000	1.107,042	-7,593	1.107,170	-7,400	-2,00%	1.107,730	1.107,318	0,412	-2,00%	5,500	1.107,208	6,541	1.108,250



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
103	+	10,000	1.107,585	-7,566	1.107,419	-7,400	-2,00%	1.108,100	1.107,567	0,533	-2,00%	5,500	1.107,457	6,543	1.108,500
104	+	0,000	1.107,871	-7,603	1.107,668	-7,400	-2,00%	1.108,108	1.107,816	0,292	-2,00%	5,500	1.107,706	6,086	1.108,292
104	+	10,000	1.107,554	-7,944	1.107,917	-7,400	-2,00%	1.107,777	1.108,065	-0,288	-2,00%	5,500	1.107,955	5,804	1.108,259
105	+	0,000	1.107,835	-7,896	1.108,166	-7,400	-2,00%	1.108,091	1.108,314	-0,223	-2,00%	5,500	1.108,204	5,910	1.108,614
105	+	10,000	1.108,115	-7,849	1.108,415	-7,400	-2,00%	1.108,323	1.108,563	-0,240	-2,00%	5,500	1.108,453	5,953	1.108,905
106	+	0,000	1.108,389	-7,812	1.108,663	-7,400	-2,00%	1.108,515	1.108,811	-0,296	-2,00%	5,500	1.108,701	5,717	1.108,918
106	+	10,000	1.108,632	-7,821	1.108,912	-7,400	-2,00%	1.108,851	1.109,060	-0,209	-2,00%	5,500	1.108,950	5,863	1.109,314
107	+	0,000	1.108,865	-7,844	1.109,161	-7,400	-2,00%	1.109,198	1.109,309	-0,111	-2,00%	5,500	1.109,199	5,974	1.109,673
107	+	10,000	1.109,230	-7,671	1.109,410	-7,400	-2,00%	1.109,532	1.109,558	-0,026	-2,00%	5,500	1.109,448	6,022	1.109,970
108	+	0,000	1.109,451	-7,711	1.109,659	-7,400	-2,00%	1.109,735	1.109,807	-0,072	-2,00%	5,500	1.109,697	6,235	1.110,432
108	+	10,000	1.109,674	-7,751	1.109,908	-7,400	-2,00%	1.109,939	1.110,056	-0,117	-2,00%	5,500	1.109,946	5,981	1.110,427
109	+	0,000	1.109,916	-7,761	1.110,157	-7,400	-2,00%	1.110,156	1.110,305	-0,149	-2,00%	5,500	1.110,195	5,929	1.110,624
109	+	10,000	1.110,214	-7,687	1.110,405	-7,400	-2,00%	1.110,394	1.110,553	-0,159	-2,00%	5,500	1.110,443	5,889	1.110,832
110	+	0,000	1.110,504	-7,625	1.110,654	-7,400	-2,00%	1.110,572	1.110,802	-0,230	-2,00%	5,500	1.110,692	5,724	1.110,916
110	+	10,000	1.110,730	-7,659	1.110,903	-7,400	-2,00%	1.110,785	1.111,051	-0,266	-2,00%	5,500	1.110,941	5,716	1.111,157
111	+	0,000	1.111,053	-7,549	1.111,152	-7,400	-2,00%	1.111,216	1.111,300	-0,084	-2,00%	5,500	1.111,190	6,000	1.111,689
111	+	7,302	1.111,322	-7,418	1.111,334	-7,400	-2,00%	1.111,602	1.111,482	0,120	-2,00%	5,500	1.111,372	6,167	1.112,038
111	+	10,000	1.111,333	-7,519	1.111,413	-7,400	-1,84%	1.111,659	1.111,549	0,110	-2,00%	5,500	1.111,439	6,077	1.112,015
112	+	0,000	1.111,601	-7,558	1.111,707	-7,400	-1,23%	1.111,813	1.111,798	0,015	-2,00%	5,500	1.111,688	6,005	1.112,193
112	+	10,000	1.111,809	-7,686	1.112,000	-7,400	-0,62%	1.111,965	1.112,046	-0,081	-2,00%	5,500	1.111,936	5,857	1.112,294
113	+	0,000	1.112,006	-7,831	1.112,294	-7,400	-0,02%	1.112,478	1.112,295	0,183	-2,00%	5,500	1.112,185	5,907	1.112,593
113	+	10,000	1.112,189	-7,998	1.112,588	-7,400	0,59%	1.112,730	1.112,544	0,186	-2,00%	5,500	1.112,434	5,818	1.112,752
114	+	0,000	1.112,401	-8,121	1.112,881	-7,400	1,19%	1.113,012	1.112,793	0,219	-2,00%	5,500	1.112,683	6,133	1.113,316
114	+	2,412	1.112,457	-8,143	1.112,953	-7,400	1,34%	1.113,085	1.112,853	0,232	-2,00%	5,500	1.112,743	6,132	1.113,376
114	+	10,000	1.112,666	-8,176	1.113,184	-7,400	1,80%	1.112,878	1.113,051	-0,173	-2,00%	5,500	1.112,941	6,078	1.113,519



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
114 +	13,302	1.112,762	-8,188	1.113,287	-7,400	2,00%	1.112,975	1.113,139	-0,164	-2,00%	5,500	1.113,029	5,790	1.113,320
115 +	0,000	1.112,945	-8,192	1.113,474	-7,400	2,00%	1.113,188	1.113,326	-0,138	-2,00%	5,500	1.113,216	5,706	1.113,422
115 +	10,000	1.113,224	-8,213	1.113,766	-7,400	2,00%	1.113,489	1.113,618	-0,129	-2,00%	5,500	1.113,508	6,122	1.114,130
116 +	0,000	1.113,495	-8,272	1.114,076	-7,400	2,00%	1.113,748	1.113,928	-0,180	-2,00%	5,500	1.113,818	5,791	1.114,109
116 +	10,000	1.113,758	-8,356	1.114,395	-7,400	2,00%	1.113,944	1.114,247	-0,303	-2,00%	5,500	1.114,137	5,580	1.114,084
117 +	0,000	1.114,021	-8,440	1.114,714	-7,400	2,00%	1.114,336	1.114,566	-0,230	-2,00%	5,500	1.114,456	5,708	1.114,664
117 +	10,000	1.114,272	-8,543	1.115,033	-7,400	2,00%	1.114,449	1.114,885	-0,436	-2,00%	5,500	1.114,775	5,621	1.114,897
118 +	0,000	1.114,511	-8,661	1.115,352	-7,400	2,00%	1.114,727	1.115,204	-0,477	-2,00%	5,500	1.115,094	5,757	1.115,352
118 +	10,000	1.114,844	-8,641	1.115,671	-7,400	2,00%	1.115,044	1.115,523	-0,479	-2,00%	5,500	1.115,413	5,730	1.115,260
119 +	0,000	1.115,132	-8,687	1.115,990	-7,400	2,00%	1.115,350	1.115,842	-0,492	-2,00%	5,500	1.115,732	5,725	1.115,582
119 +	10,000	1.115,401	-8,761	1.116,309	-7,400	2,00%	1.115,644	1.116,161	-0,517	-2,00%	5,500	1.116,051	5,561	1.116,010
120 +	0,000	1.115,735	-8,739	1.116,628	-7,400	2,00%	1.115,905	1.116,480	-0,575	-2,00%	5,500	1.116,370	5,872	1.116,742
120 +	10,000	1.116,102	-8,667	1.116,947	-7,400	2,00%	1.116,207	1.116,799	-0,592	-2,00%	5,500	1.116,689	5,801	1.116,990
121 +	0,000	1.116,455	-8,616	1.117,266	-7,400	2,00%	1.116,600	1.117,118	-0,518	-2,00%	5,500	1.117,008	5,589	1.117,096
121 +	10,000	1.116,796	-8,583	1.117,585	-7,400	2,00%	1.117,125	1.117,437	-0,312	-2,00%	5,500	1.117,327	6,002	1.117,829
122 +	0,000	1.117,137	-8,550	1.117,903	-7,400	2,00%	1.117,666	1.117,755	-0,089	-2,00%	5,500	1.117,645	6,248	1.118,394
122 +	10,000	1.117,477	-8,518	1.118,222	-7,400	2,00%	1.118,153	1.118,074	0,079	-2,00%	5,500	1.117,964	5,764	1.118,229
123 +	0,000	1.117,775	-8,549	1.118,541	-7,400	2,00%	1.117,819	1.118,393	-0,574	-2,00%	5,500	1.118,283	5,573	1.118,235
123 +	10,000	1.118,030	-8,645	1.118,860	-7,400	2,00%	1.118,281	1.118,712	-0,431	-2,00%	5,500	1.118,602	5,575	1.118,552
124 +	0,000	1.118,366	-8,620	1.119,179	-7,400	2,00%	1.118,590	1.119,031	-0,441	-2,00%	5,500	1.118,921	5,728	1.118,769
124 +	10,000	1.118,683	-8,623	1.119,498	-7,400	2,00%	1.118,925	1.119,350	-0,425	-2,00%	5,500	1.119,240	5,673	1.119,125
125 +	0,000	1.118,966	-8,677	1.119,817	-7,400	2,00%	1.119,263	1.119,669	-0,406	-2,00%	5,500	1.119,559	5,609	1.119,487
125 +	10,000	1.119,253	-8,724	1.120,136	-7,400	2,00%	1.119,658	1.119,988	-0,330	-2,00%	5,500	1.119,878	5,674	1.120,052
126 +	0,000	1.119,643	-8,617	1.120,455	-7,400	2,00%	1.120,097	1.120,307	-0,210	-2,00%	5,500	1.120,197	5,643	1.120,340
126 +	10,000	1.119,997	-8,564	1.120,774	-7,400	2,00%	1.120,585	1.120,626	-0,041	-2,00%	5,500	1.120,516	5,531	1.120,547



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
127	+	0,000	1.120,263	-8,644	1.121,093	-7,400	2,00%	1.121,361	1.120,945	0,416	-2,00%	5,500	1.120,835	7,338	1.122,673
127	+	10,000	1.120,568	-8,665	1.121,412	-7,400	2,00%	1.121,934	1.121,264	0,670	-2,00%	5,500	1.121,154	6,662	1.122,316
128	+	0,000	1.120,870	-8,691	1.121,731	-7,400	2,00%	1.121,520	1.121,583	-0,063	-2,00%	5,500	1.121,473	5,790	1.121,762
128	+	10,000	1.121,079	-8,855	1.122,049	-7,400	2,00%	1.121,673	1.121,901	-0,228	-2,00%	5,500	1.121,791	5,660	1.121,952
129	+	0,000	1.121,448	-8,780	1.122,368	-7,400	2,00%	1.121,934	1.122,220	-0,286	-2,00%	5,500	1.122,110	5,711	1.122,322
129	+	10,000	1.121,855	-8,649	1.122,687	-7,400	2,00%	1.122,221	1.122,539	-0,318	-2,00%	5,500	1.122,429	5,688	1.122,617
130	+	0,000	1.122,266	-8,510	1.123,006	-7,400	2,00%	1.122,623	1.122,858	-0,235	-2,00%	5,500	1.122,748	5,660	1.122,908
130	+	10,000	1.122,737	-8,283	1.123,325	-7,400	2,00%	1.123,081	1.123,177	-0,096	-2,00%	5,500	1.123,067	5,732	1.123,299
131	+	0,000	1.123,130	-8,171	1.123,644	-7,400	2,00%	1.123,371	1.123,496	-0,125	-2,00%	5,500	1.123,386	5,964	1.123,850
131	+	10,000	1.123,502	-8,091	1.123,963	-7,400	2,00%	1.123,878	1.123,815	0,063	-2,00%	5,500	1.123,705	6,234	1.124,439
132	+	0,000	1.123,825	-8,086	1.124,282	-7,400	2,00%	1.124,078	1.124,134	-0,056	-2,00%	5,500	1.124,024	6,226	1.124,750
132	+	10,000	1.124,134	-8,100	1.124,601	-7,400	2,00%	1.124,305	1.124,453	-0,148	-2,00%	5,500	1.124,343	5,942	1.124,785
133	+	0,000	1.124,413	-8,160	1.124,920	-7,400	2,00%	1.124,648	1.124,772	-0,124	-2,00%	5,500	1.124,662	6,154	1.125,316
133	+	10,000	1.124,806	-8,049	1.125,239	-7,400	2,00%	1.124,962	1.125,091	-0,129	-2,00%	5,500	1.124,981	5,760	1.125,240
134	+	0,000	1.125,134	-8,035	1.125,558	-7,400	2,00%	1.125,266	1.125,410	-0,144	-2,00%	5,500	1.125,300	5,582	1.125,381
134	+	10,000	1.125,379	-8,146	1.125,876	-7,400	2,00%	1.125,559	1.125,728	-0,169	-2,00%	5,500	1.125,618	5,566	1.125,685
134	+	14,553	1.125,497	-8,187	1.126,022	-7,400	2,00%	1.125,693	1.125,874	-0,181	-2,00%	5,500	1.125,764	5,559	1.125,823
135	+	0,000	1.125,630	-8,211	1.126,171	-7,400	1,67%	1.125,816	1.126,047	-0,231	-2,00%	5,500	1.125,937	5,509	1.125,946
135	+	5,443	1.125,763	-8,232	1.126,318	-7,400	1,34%	1.125,942	1.126,219	-0,277	-2,00%	5,500	1.126,109	5,519	1.126,096
135	+	10,000	1.125,875	-8,245	1.126,438	-7,400	1,06%	1.126,048	1.126,360	-0,312	-2,00%	5,500	1.126,250	5,531	1.126,229
136	+	0,000	1.126,127	-8,249	1.126,693	-7,400	0,46%	1.126,298	1.126,659	-0,361	-2,00%	5,500	1.126,549	5,525	1.126,533
136	+	10,000	1.126,376	-8,237	1.126,934	-7,400	-0,15%	1.126,556	1.126,945	-0,389	-2,00%	5,500	1.126,835	5,543	1.126,806
137	+	0,000	1.126,636	-8,190	1.127,163	-7,400	-0,75%	1.126,823	1.127,218	-0,395	-2,00%	5,500	1.127,108	5,592	1.127,047
137	+	10,000	1.126,885	-8,140	1.127,378	-7,400	-1,36%	1.127,099	1.127,478	-0,379	-2,00%	5,500	1.127,368	5,620	1.127,289
138	+	0,000	1.127,131	-8,073	1.127,580	-7,400	-1,97%	1.127,379	1.127,725	-0,346	-2,00%	5,500	1.127,615	5,591	1.127,555



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
138	+	0,553	1.127,144	-8,071	1.127,591	-7,400	-2,00%	1.127,386	1.127,739	-0,353	-2,00%	5,500	1.127,629	5,532	1.127,608
138	+	10,000	1.127,300	-8,167	1.127,811	-7,400	-2,00%	1.127,514	1.127,959	-0,445	-2,00%	5,500	1.127,849	5,512	1.127,841
139	+	0,000	1.127,305	-8,491	1.128,032	-7,400	-2,00%	1.127,703	1.128,180	-0,477	-2,00%	5,500	1.128,070	5,595	1.128,007
139	+	10,000	1.127,311	-8,794	1.128,240	-7,400	-2,00%	1.127,997	1.128,388	-0,391	-2,00%	5,500	1.128,278	5,547	1.128,325
140	+	0,000	1.127,484	-8,826	1.128,434	-7,400	-2,00%	1.128,105	1.128,582	-0,477	-2,00%	5,500	1.128,472	5,613	1.128,585
140	+	10,000	1.127,820	-8,594	1.128,616	-7,400	-2,00%	1.128,584	1.128,764	-0,180	-2,00%	5,500	1.128,654	6,018	1.129,172
141	+	0,000	1.128,259	-8,188	1.128,785	-7,400	-2,00%	1.128,962	1.128,933	0,029	-2,00%	5,500	1.128,823	6,169	1.129,492
141	+	10,000	1.128,413	-8,191	1.128,940	-7,400	-2,00%	1.129,117	1.129,088	0,029	-2,00%	5,500	1.128,978	6,170	1.129,648
142	+	0,000	1.128,569	-8,170	1.129,082	-7,400	-2,00%	1.129,270	1.129,230	0,040	-2,00%	5,500	1.129,120	6,180	1.129,800
142	+	10,000	1.128,782	-8,044	1.129,211	-7,400	-2,00%	1.129,424	1.129,359	0,065	-2,00%	5,500	1.129,249	6,207	1.129,956
143	+	0,000	1.128,999	-7,893	1.129,328	-7,400	-2,00%	1.129,578	1.129,476	0,102	-2,00%	5,500	1.129,366	6,216	1.130,082
143	+	10,000	1.129,217	-7,720	1.129,431	-7,400	-2,00%	1.129,584	1.129,579	0,005	-2,00%	5,500	1.129,469	5,951	1.129,920
144	+	0,000	1.129,496	-7,436	1.129,521	-7,400	-2,00%	1.129,645	1.129,669	-0,024	-2,00%	5,500	1.129,559	5,840	1.129,898
144	+	10,000	1.129,111	-8,129	1.129,598	-7,400	-2,00%	1.129,319	1.129,746	-0,427	-2,00%	5,500	1.129,636	5,690	1.129,826
145	+	0,000	1.128,961	-8,451	1.129,661	-7,400	-2,00%	1.129,346	1.129,809	-0,463	-2,00%	5,500	1.129,699	5,599	1.129,799
145	+	10,000	1.129,022	-8,435	1.129,712	-7,400	-2,00%	1.129,488	1.129,860	-0,372	-2,00%	5,500	1.129,750	5,676	1.129,926
146	+	0,000	1.129,072	-8,417	1.129,750	-7,400	-2,00%	1.129,521	1.129,898	-0,377	-2,00%	5,500	1.129,788	5,837	1.130,125
146	+	10,000	1.129,130	-8,367	1.129,774	-7,400	-2,00%	1.129,555	1.129,922	-0,367	-2,00%	5,500	1.129,812	5,832	1.130,144
147	+	0,000	1.129,167	-8,328	1.129,786	-7,400	-2,00%	1.129,582	1.129,934	-0,352	-2,00%	5,500	1.129,824	5,787	1.130,111
147	+	10,000	1.129,196	-8,283	1.129,784	-7,400	-2,00%	1.129,687	1.129,932	-0,245	-2,00%	5,500	1.129,822	5,729	1.130,052
148	+	0,000	1.129,139	-8,346	1.129,770	-7,400	-2,00%	1.129,543	1.129,918	-0,375	-2,00%	5,500	1.129,808	5,687	1.129,995
148	+	10,000	1.129,105	-8,355	1.129,742	-7,400	-2,00%	1.129,410	1.129,890	-0,480	-2,00%	5,500	1.129,780	5,526	1.129,762
149	+	0,000	1.129,019	-8,423	1.129,701	-7,400	-2,00%	1.129,384	1.129,849	-0,465	-2,00%	5,500	1.129,739	5,507	1.129,746
149	+	10,000	1.128,898	-8,524	1.129,647	-7,400	-2,00%	1.129,327	1.129,795	-0,468	-2,00%	5,500	1.129,685	5,514	1.129,699
150	+	0,000	1.128,687	-8,740	1.129,580	-7,400	-2,00%	1.129,083	1.129,728	-0,645	-2,00%	5,500	1.129,618	5,532	1.129,650



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
150	+	10,000	1.128,572	-8,791	1.129,500	-7,400	-2,00%	1.129,094	1.129,648	-0,554	-2,00%	5,500	1.129,538	5,520	1.129,558
151	+	0,000	1.128,554	-8,680	1.129,407	-7,400	-2,00%	1.129,190	1.129,555	-0,365	-2,00%	5,500	1.129,445	6,137	1.130,081
151	+	10,000	1.128,555	-8,519	1.129,301	-7,400	-2,00%	1.129,019	1.129,449	-0,430	-2,00%	5,500	1.129,339	5,965	1.129,804
152	+	0,000	1.128,330	-8,677	1.129,181	-7,400	-2,00%	1.128,847	1.129,329	-0,482	-2,00%	5,500	1.129,219	5,808	1.129,527
152	+	10,000	1.128,252	-8,595	1.129,049	-7,400	-2,00%	1.128,676	1.129,197	-0,521	-2,00%	5,500	1.129,087	5,651	1.129,238
153	+	0,000	1.128,298	-8,308	1.128,903	-7,400	-2,00%	1.128,558	1.129,051	-0,493	-2,00%	5,500	1.128,941	5,932	1.129,373
153	+	10,000	1.128,230	-8,172	1.128,745	-7,400	-2,00%	1.128,472	1.128,893	-0,421	-2,00%	5,500	1.128,783	6,068	1.129,351
154	+	0,000	1.128,014	-8,238	1.128,573	-7,400	-2,00%	1.128,333	1.128,721	-0,388	-2,00%	5,500	1.128,611	5,689	1.128,800
154	+	10,000	1.127,763	-8,338	1.128,388	-7,400	-2,00%	1.128,298	1.128,536	-0,238	-2,00%	5,500	1.128,426	5,987	1.128,913
155	+	0,000	1.127,513	-8,416	1.128,191	-7,400	-2,00%	1.127,870	1.128,339	-0,469	-2,00%	5,500	1.128,229	5,543	1.128,271
155	+	10,000	1.127,264	-8,474	1.127,980	-7,400	-2,00%	1.127,673	1.128,128	-0,455	-2,00%	5,500	1.128,018	5,516	1.128,033
156	+	0,000	1.127,016	-8,510	1.127,756	-7,400	-2,00%	1.127,474	1.127,904	-0,430	-2,00%	5,500	1.127,794	5,531	1.127,824
156	+	10,000	1.126,800	-8,478	1.127,519	-7,400	-2,00%	1.127,263	1.127,667	-0,404	-2,00%	5,500	1.127,557	5,550	1.127,606
157	+	0,000	1.126,591	-8,416	1.127,268	-7,400	-2,00%	1.127,045	1.127,416	-0,371	-2,00%	5,500	1.127,306	5,555	1.127,361
157	+	10,000	1.126,374	-8,347	1.127,005	-7,400	-2,00%	1.126,818	1.127,153	-0,335	-2,00%	5,500	1.127,043	5,547	1.127,091
158	+	0,000	1.126,127	-8,303	1.126,729	-7,400	-2,00%	1.126,515	1.126,877	-0,362	-2,00%	5,500	1.126,767	5,563	1.126,830
158	+	10,000	1.125,788	-8,377	1.126,440	-7,400	-2,00%	1.126,211	1.126,588	-0,377	-2,00%	5,500	1.126,478	5,599	1.126,576
159	+	0,000	1.125,452	-8,427	1.126,137	-7,400	-2,00%	1.125,902	1.126,285	-0,383	-2,00%	5,500	1.126,175	5,669	1.126,344
159	+	10,000	1.125,139	-8,424	1.125,821	-7,400	-2,00%	1.125,605	1.125,969	-0,364	-2,00%	5,500	1.125,859	5,613	1.125,973
160	+	0,000	1.124,847	-8,369	1.125,493	-7,400	-2,00%	1.125,284	1.125,641	-0,357	-2,00%	5,500	1.125,531	5,695	1.125,725
160	+	10,000	1.124,542	-8,324	1.125,158	-7,400	-2,00%	1.125,003	1.125,306	-0,303	-2,00%	5,500	1.125,196	5,755	1.125,450
161	+	0,000	1.124,237	-8,278	1.124,822	-7,400	-2,00%	1.124,732	1.124,970	-0,238	-2,00%	5,500	1.124,860	5,893	1.125,254
161	+	10,000	1.123,932	-8,233	1.124,487	-7,400	-2,00%	1.124,388	1.124,635	-0,247	-2,00%	5,500	1.124,525	5,808	1.124,833
162	+	0,000	1.123,645	-8,161	1.124,152	-7,400	-2,00%	1.124,108	1.124,300	-0,192	-2,00%	5,500	1.124,190	6,079	1.124,769
162	+	10,000	1.123,280	-8,206	1.123,817	-7,400	-2,00%	1.123,859	1.123,965	-0,106	-2,00%	5,500	1.123,855	6,176	1.124,531



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
163	+	0,000	1.122,975	-8,161	1.123,482	-7,400	-2,00%	1.123,589	1.123,630	-0,041	-2,00%	5,500	1.123,520	6,074	1.124,093
163	+	10,000	1.122,638	-8,162	1.123,147	-7,400	-2,00%	1.123,092	1.123,295	-0,203	-2,00%	5,500	1.123,185	5,958	1.123,643
164	+	0,000	1.122,214	-8,295	1.122,811	-7,400	-2,00%	1.122,595	1.122,959	-0,364	-2,00%	5,500	1.122,849	5,715	1.123,064
164	+	10,000	1.121,872	-8,307	1.122,476	-7,400	-2,00%	1.122,210	1.122,624	-0,414	-2,00%	5,500	1.122,514	5,675	1.122,689
165	+	0,000	1.121,539	-8,303	1.122,141	-7,400	-2,00%	1.121,934	1.122,289	-0,355	-2,00%	5,500	1.122,179	5,577	1.122,256
165	+	10,000	1.121,232	-8,261	1.121,806	-7,400	-2,00%	1.121,675	1.121,954	-0,279	-2,00%	5,500	1.121,844	6,069	1.122,413
166	+	0,000	1.120,898	-8,259	1.121,471	-7,400	-2,00%	1.121,375	1.121,619	-0,244	-2,00%	5,500	1.121,509	6,095	1.122,104
166	+	10,000	1.120,572	-8,245	1.121,136	-7,400	-2,00%	1.120,951	1.121,284	-0,333	-2,00%	5,500	1.121,174	5,724	1.121,397
167	+	0,000	1.120,234	-8,250	1.120,800	-7,400	-2,00%	1.120,601	1.120,948	-0,347	-2,00%	5,500	1.120,838	5,739	1.121,078
167	+	10,000	1.119,910	-8,233	1.120,465	-7,400	-2,00%	1.120,335	1.120,613	-0,278	-2,00%	5,500	1.120,503	5,984	1.120,988
168	+	0,000	1.119,632	-8,146	1.120,130	-7,400	-2,00%	1.120,014	1.120,278	-0,264	-2,00%	5,500	1.120,168	6,070	1.120,738
168	+	10,000	1.119,311	-8,126	1.119,795	-7,400	-2,00%	1.119,654	1.119,943	-0,289	-2,00%	5,500	1.119,833	5,915	1.120,247
169	+	0,000	1.118,958	-8,152	1.119,460	-7,400	-2,00%	1.119,351	1.119,608	-0,257	-2,00%	5,500	1.119,498	5,896	1.119,894
169	+	10,000	1.118,600	-8,186	1.119,124	-7,400	-2,00%	1.119,054	1.119,272	-0,218	-2,00%	5,500	1.119,162	5,824	1.119,487
170	+	0,000	1.118,249	-8,210	1.118,789	-7,400	-2,00%	1.118,992	1.118,937	0,055	-2,00%	5,500	1.118,827	6,234	1.119,561
170	+	10,000	1.117,908	-8,218	1.118,454	-7,400	-2,00%	1.118,620	1.118,602	0,018	-2,00%	5,500	1.118,492	6,270	1.119,262
171	+	0,000	1.117,582	-8,205	1.118,119	-7,400	-2,00%	1.118,239	1.118,267	-0,028	-2,00%	5,500	1.118,157	6,221	1.118,878
171	+	10,000	1.117,256	-8,192	1.117,784	-7,400	-2,00%	1.117,859	1.117,932	-0,073	-2,00%	5,500	1.117,822	5,997	1.118,319
172	+	0,000	1.116,904	-8,217	1.117,449	-7,400	-2,00%	1.117,386	1.117,597	-0,211	-2,00%	5,500	1.117,487	5,780	1.117,767
172	+	10,000	1.116,590	-8,185	1.117,113	-7,400	-2,00%	1.116,973	1.117,261	-0,288	-2,00%	5,500	1.117,151	5,690	1.117,341
173	+	0,000	1.116,251	-8,190	1.116,778	-7,400	-2,00%	1.116,624	1.116,926	-0,302	-2,00%	5,500	1.116,816	6,362	1.117,678
173	+	10,000	1.115,880	-8,245	1.116,443	-7,400	-2,00%	1.116,279	1.116,591	-0,312	-2,00%	5,500	1.116,481	6,852	1.117,833
174	+	0,000	1.115,489	-8,328	1.116,108	-7,400	-2,00%	1.115,872	1.116,256	-0,384	-2,00%	5,500	1.116,146	5,639	1.116,285
174	+	10,000	1.115,118	-8,382	1.115,773	-7,400	-2,00%	1.115,485	1.115,921	-0,436	-2,00%	5,500	1.115,811	5,535	1.115,846
175	+	0,000	1.114,732	-8,458	1.115,437	-7,400	-2,00%	1.115,076	1.115,585	-0,509	-2,00%	5,500	1.115,475	5,576	1.115,425



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
175	+	10,000	1.114,310	-8,589	1.115,102	-7,400	-2,00%	1.114,671	1.115,250	-0,579	-2,00%	5,500	1.115,140	5,526	1.115,123
176	+	0,000	1.113,899	-8,701	1.114,767	-7,400	-2,00%	1.114,317	1.114,915	-0,598	-2,00%	5,500	1.114,805	5,660	1.114,965
176	+	10,000	1.113,523	-8,763	1.114,432	-7,400	-2,00%	1.113,953	1.114,580	-0,627	-2,00%	5,500	1.114,470	5,581	1.114,416
177	+	0,000	1.113,135	-8,843	1.114,097	-7,400	-2,00%	1.113,556	1.114,245	-0,689	-2,00%	5,500	1.114,135	5,568	1.114,203
177	+	10,000	1.112,718	-8,965	1.113,762	-7,400	-2,00%	1.113,159	1.113,910	-0,751	-2,00%	5,500	1.113,800	5,557	1.113,762
178	+	0,000	1.112,294	-9,099	1.113,426	-7,400	-2,00%	1.112,772	1.113,574	-0,802	-2,00%	5,500	1.113,464	5,566	1.113,421
178	+	10,000	1.111,823	-9,302	1.113,091	-7,400	-2,00%	1.112,389	1.113,239	-0,850	-2,00%	5,500	1.113,129	5,802	1.112,928
179	+	0,000	1.111,685	-9,006	1.112,756	-7,400	-2,00%	1.112,076	1.112,904	-0,828	-2,00%	5,500	1.112,794	5,597	1.112,729
179	+	10,000	1.111,333	-9,009	1.112,406	-7,400	-2,00%	1.111,589	1.112,554	-0,965	-2,00%	5,500	1.112,444	5,827	1.112,226
180	+	0,000	1.110,933	-9,038	1.112,025	-7,400	-2,00%	1.111,105	1.112,173	-1,068	-2,00%	5,500	1.112,063	6,063	1.111,688
180	+	10,000	1.110,314	-9,350	1.111,614	-7,400	-2,00%	1.110,693	1.111,762	-1,069	-2,00%	5,500	1.111,652	6,275	1.111,135
181	+	0,000	1.109,925	-9,271	1.111,173	-7,400	-2,00%	1.110,370	1.111,321	-0,951	-2,00%	5,500	1.111,211	6,122	1.110,796
181	+	10,000	1.109,610	-9,038	1.110,701	-7,400	-2,00%	1.110,062	1.110,849	-0,787	-2,00%	5,500	1.110,739	5,896	1.110,475
182	+	0,000	1.109,132	-9,001	1.110,199	-7,400	-2,00%	1.109,590	1.110,347	-0,757	-2,00%	5,500	1.110,237	5,812	1.110,029
182	+	10,000	1.108,594	-9,009	1.109,667	-7,400	-2,00%	1.108,922	1.109,815	-0,893	-2,00%	5,500	1.109,705	5,853	1.109,470
183	+	0,000	1.107,777	-9,391	1.109,105	-7,400	-2,00%	1.107,864	1.109,253	-1,389	-2,00%	5,500	1.109,143	6,188	1.108,684
183	+	10,000	1.107,008	-9,679	1.108,527	-7,400	-2,00%	1.107,153	1.108,675	-1,522	-2,00%	5,500	1.108,565	6,120	1.108,151
184	+	0,000	1.106,393	-9,734	1.107,949	-7,400	-2,00%	1.106,630	1.108,097	-1,467	-2,00%	5,500	1.107,987	6,053	1.107,618
184	+	10,000	1.105,805	-9,750	1.107,372	-7,400	-2,00%	1.106,108	1.107,520	-1,412	-2,00%	5,500	1.107,410	5,564	1.107,367
185	+	0,000	1.105,352	-9,563	1.106,794	-7,400	-2,00%	1.105,647	1.106,942	-1,295	-2,00%	5,500	1.106,832	6,292	1.106,304
185	+	10,000	1.104,961	-9,283	1.106,216	-7,400	-2,00%	1.105,194	1.106,364	-1,170	-2,00%	5,500	1.106,254	5,609	1.106,182
186	+	0,000	1.104,550	-9,033	1.105,639	-7,400	-2,00%	1.105,068	1.105,787	-0,719	-2,00%	5,500	1.105,677	5,870	1.105,430
186	+	10,000	1.104,136	-8,787	1.105,061	-7,400	-2,00%	1.104,333	1.105,209	-0,876	-2,00%	5,500	1.105,099	5,670	1.105,269
187	+	0,000	1.103,766	-8,476	1.104,483	-7,400	-2,00%	1.103,897	1.104,631	-0,734	-2,00%	5,500	1.104,521	5,859	1.104,880
187	+	10,000	1.103,485	-8,031	1.103,906	-7,400	-2,00%	1.103,714	1.104,054	-0,340	-2,00%	5,500	1.103,944	6,179	1.104,623



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
188 +	0,000	1.103,284	-7,466	1.103,328	-7,400	-2,00%	1.103,582	1.103,476	0,106	-2,00%	5,500	1.103,366	6,634	1.104,500
188 +	10,000	1.103,008	-7,658	1.102,750	-7,400	-2,00%	1.103,260	1.102,898	0,362	-2,00%	5,500	1.102,788	6,483	1.103,771
189 +	0,000	1.102,764	-7,992	1.102,173	-7,400	-2,00%	1.102,944	1.102,321	0,623	-2,00%	5,500	1.102,211	6,287	1.102,998
189 +	10,000	1.102,326	-8,131	1.101,595	-7,400	-2,00%	1.102,498	1.101,743	0,755	-2,00%	5,500	1.101,633	6,478	1.102,611
190 +	0,000	1.101,662	-8,045	1.101,017	-7,400	-2,00%	1.101,670	1.101,165	0,505	-2,00%	5,500	1.101,055	6,507	1.102,062
190 +	10,000	1.101,105	-8,066	1.100,440	-7,400	-2,00%	1.100,592	1.100,588	0,004	-2,00%	5,500	1.100,478	5,683	1.100,660
191 +	0,000	1.101,000	-8,538	1.099,862	-7,400	-2,00%	1.100,543	1.100,010	0,533	-2,00%	5,500	1.099,900	6,237	1.100,637
191 +	10,000	1.100,439	-8,554	1.099,284	-7,400	-2,00%	1.100,528	1.099,432	1,096	-2,00%	5,500	1.099,322	6,760	1.100,582
192 +	0,000	1.099,868	-8,562	1.098,706	-7,400	-2,00%	1.099,967	1.098,854	1,113	-2,00%	5,500	1.098,744	6,865	1.100,110
192 +	10,000	1.099,298	-8,569	1.098,129	-7,400	-2,00%	1.099,406	1.098,277	1,129	-2,00%	5,500	1.098,167	6,802	1.099,468
193 +	0,000	1.098,728	-8,577	1.097,551	-7,400	-2,00%	1.098,857	1.097,699	1,158	-2,00%	5,500	1.097,589	6,846	1.098,935
193 +	10,000	1.098,160	-8,586	1.096,973	-7,400	-2,00%	1.098,312	1.097,121	1,191	-2,00%	5,500	1.097,011	6,891	1.098,402
194 +	0,000	1.097,613	-8,617	1.096,396	-7,400	-2,00%	1.097,762	1.096,544	1,218	-2,00%	5,500	1.096,434	6,869	1.097,803
194 +	10,000	1.097,123	-8,705	1.095,818	-7,400	-2,00%	1.097,264	1.095,966	1,298	-2,00%	5,500	1.095,856	6,884	1.097,240
195 +	0,000	1.096,526	-8,686	1.095,240	-7,400	-2,00%	1.096,834	1.095,388	1,446	-2,00%	5,500	1.095,278	6,848	1.096,626
195 +	10,000	1.095,929	-8,667	1.094,663	-7,400	-2,00%	1.096,258	1.094,811	1,447	-2,00%	5,500	1.094,701	6,822	1.096,023
196 +	0,000	1.095,333	-8,648	1.094,085	-7,400	-2,00%	1.095,662	1.094,233	1,429	-2,00%	5,500	1.094,123	6,807	1.095,430
196 +	10,000	1.094,834	-8,727	1.093,507	-7,400	-2,00%	1.095,042	1.093,655	1,387	-2,00%	5,500	1.093,545	6,936	1.094,981
197 +	0,000	1.094,639	-9,109	1.092,930	-7,400	-2,00%	1.094,477	1.093,078	1,399	-2,00%	5,500	1.092,968	6,936	1.094,404
197 +	10,000	1.094,443	-9,491	1.092,352	-7,400	-2,00%	1.094,125	1.092,500	1,625	-2,00%	5,500	1.092,390	7,046	1.093,936
198 +	0,000	1.094,120	-9,745	1.091,774	-7,400	-2,00%	1.093,661	1.091,922	1,739	-2,00%	5,500	1.091,812	7,055	1.093,367
198 +	10,000	1.092,983	-9,186	1.091,197	-7,400	-2,00%	1.092,935	1.091,345	1,590	-2,00%	5,500	1.091,235	7,092	1.092,827
199 +	0,000	1.091,963	-8,744	1.090,619	-7,400	-2,00%	1.092,252	1.090,767	1,485	-2,00%	5,500	1.090,657	6,924	1.092,081
199 +	10,000	1.091,173	-8,531	1.090,041	-7,400	-2,00%	1.091,517	1.090,189	1,328	-2,00%	5,500	1.090,079	6,999	1.091,578
199 +	12.505	1.090.968	-8.472	1.089.897	-7.400	-2.00%	1.091.325	1.090.045	1.280	-2.00%	5.500	1.089.935	6.935	1.091.370



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
200	+	0,000	1.090,412	-8,348	1.089,464	-7,400	-2,00%	1.090,814	1.089,612	1,202	-1,55%	5,500	1.089,527	6,753	1.090,779
200	+	10,000	1.089,816	-8,330	1.088,886	-7,400	-2,00%	1.090,347	1.089,034	1,313	-0,94%	5,500	1.088,982	6,854	1.090,336
201	+	0,000	1.089,281	-8,373	1.088,308	-7,400	-2,00%	1.089,834	1.088,456	1,378	-0,33%	5,500	1.088,438	6,942	1.089,880
201	+	10,000	1.088,870	-8,539	1.087,731	-7,400	-2,00%	1.089,177	1.087,879	1,298	0,27%	5,500	1.087,894	6,872	1.089,266
202	+	0,000	1.088,232	-8,479	1.087,153	-7,400	-2,00%	1.088,342	1.087,301	1,041	0,88%	5,500	1.087,349	6,581	1.088,431
202	+	7,615	1.087,891	-8,578	1.086,713	-7,400	-2,00%	1.087,909	1.086,861	1,048	1,34%	5,500	1.086,935	6,633	1.088,067
202	+	10,000	1.087,795	-8,620	1.086,575	-7,400	-2,00%	1.087,792	1.086,723	1,069	1,49%	5,500	1.086,805	6,611	1.087,916
202	+	18,505	1.087,411	-8,727	1.086,084	-7,400	-2,00%	1.087,377	1.086,232	1,145	2,00%	5,500	1.086,342	6,532	1.087,374
203	+	0,000	1.087,338	-8,741	1.085,998	-7,400	-2,00%	1.087,302	1.086,146	1,156	2,00%	5,500	1.086,256	6,518	1.087,274
203	+	10,000	1.086,869	-8,849	1.085,420	-7,400	-2,00%	1.086,747	1.085,568	1,179	2,00%	5,500	1.085,678	6,515	1.086,693
204	+	0,000	1.086,304	-8,862	1.084,842	-7,400	-2,00%	1.085,898	1.084,990	0,908	2,00%	5,500	1.085,100	6,025	1.085,625
204	+	10,000	1.085,281	-8,417	1.084,265	-7,400	-2,00%	1.084,888	1.084,413	0,475	2,00%	5,500	1.084,523	5,777	1.084,799
205	+	0,000	1.084,378	-8,091	1.083,687	-7,400	-2,00%	1.084,130	1.083,835	0,295	2,00%	5,500	1.083,945	5,654	1.084,099
205	+	10,000	1.083,626	-7,916	1.083,109	-7,400	-2,00%	1.083,375	1.083,257	0,118	2,00%	5,500	1.083,367	5,502	1.083,366
206	+	0,000	1.082,957	-7,825	1.082,532	-7,400	-2,00%	1.082,800	1.082,680	0,120	2,00%	5,500	1.082,790	5,646	1.082,693
206	+	10,000	1.082,221	-7,667	1.081,954	-7,400	-2,00%	1.082,165	1.082,102	0,063	2,00%	5,500	1.082,212	5,642	1.082,117
207	+	0,000	1.081,591	-7,615	1.081,376	-7,400	-2,00%	1.081,580	1.081,524	0,056	2,00%	5,500	1.081,634	5,620	1.081,554
207	+	9,868	1.081,442	-8,036	1.080,806	-7,400	-2,00%	1.081,169	1.080,954	0,215	2,00%	5,500	1.081,064	5,775	1.080,881
207	+	10,000	1.081,440	-8,041	1.080,799	-7,400	-1,99%	1.081,161	1.080,947	0,214	1,99%	5,500	1.081,056	5,777	1.080,871
208	+	0,000	1.080,986	-8,119	1.080,266	-7,400	-1,39%	1.080,524	1.080,369	0,155	1,39%	5,500	1.080,445	5,884	1.080,189
208	+	10,000	1.080,096	-7,762	1.079,734	-7,400	-0,78%	1.079,826	1.079,791	0,035	0,78%	5,500	1.079,834	6,019	1.079,488
209	+	0,000	1.079,022	-7,668	1.079,201	-7,400	-0,17%	1.078,820	1.079,214	-0,394	0,17%	5,500	1.079,223	6,357	1.078,652
209	+	2,867	1.078,722	-7,889	1.079,048	-7,400	0,00%	1.078,511	1.079,048	-0,537	0,00%	5,500	1.079,048	6,536	1.078,357
209	+	2,869	1.078,721	-7,890	1.079,048	-7,400	0,00%	1.078,511	1.079,048	-0,537	0,00%	5,500	1.079,048	6,536	1.078,357
209	+	10,000	1.077,962	-8,460	1.078,668	-7,400	0,43%	1.077,806	1.078,636	-0,830	-0,43%	5,500	1.078,612	6,692	1.077,817



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
210	+	0,000	1.077,022	-9,070	1.078,135	-7,400	1,04%	1.077,044	1.078,058	-1,014	-1,04%	5,500	1.078,001	6,848	1.077,102
210	+	10,000	1.076,219	-9,475	1.077,602	-7,400	1,64%	1.076,258	1.077,481	-1,223	-1,64%	5,500	1.077,390	6,854	1.076,487
210	+	15,868	1.075,651	-9,858	1.077,290	-7,400	2,00%	1.075,655	1.077,142	-1,487	-2,00%	5,500	1.077,032	7,182	1.075,910
211	+	0,000	1.075,253	-10,097	1.077,051	-7,400	2,00%	1.075,193	1.076,903	-1,710	-2,00%	5,500	1.076,793	7,495	1.075,463
211	+	10,000	1.074,124	-10,924	1.076,473	-7,400	2,00%	1.074,282	1.076,325	-2,043	-2,00%	5,500	1.076,215	8,042	1.074,520
212	+	0,000	1.072,741	-12,132	1.075,896	-7,400	2,00%	1.073,615	1.075,748	-2,133	-2,00%	5,500	1.075,638	8,191	1.073,843
212	+	10,000	1.072,192	-12,089	1.075,318	-7,400	2,00%	1.073,047	1.075,170	-2,123	-2,00%	5,500	1.075,060	8,090	1.073,333
213	+	0,000	1.071,746	-11,891	1.074,740	-7,400	2,00%	1.072,576	1.074,592	-2,016	-2,00%	5,500	1.074,482	7,711	1.073,008
213	+	10,000	1.071,304	-11,688	1.074,163	-7,400	2,00%	1.072,463	1.074,015	-1,552	-2,00%	5,500	1.073,905	7,139	1.072,812
214	+	0,000	1.071,164	-11,032	1.073,585	-7,400	2,00%	1.072,627	1.073,437	-0,810	-2,00%	5,500	1.073,327	5,959	1.073,021
214	+	10,000	1.070,886	-10,582	1.073,007	-7,400	2,00%	1.072,890	1.072,859	0,031	-2,00%	5,500	1.072,749	6,115	1.073,365
215	+	0,000	1.070,367	-10,494	1.072,430	-7,400	2,00%	1.072,409	1.072,282	0,127	-2,00%	5,500	1.072,172	5,921	1.072,593
215	+	10,000	1.069,876	-10,364	1.071,852	-7,400	2,00%	1.070,469	1.071,704	-1,235	-2,00%	5,500	1.071,594	6,740	1.070,767
216	+	0,000	1.068,179	-12,043	1.071,274	-7,400	2,00%	1.068,824	1.071,126	-2,302	-2,00%	5,500	1.071,016	7,953	1.069,381
216	+	10,000	1.066,952	-13,042	1.070,713	-7,400	2,00%	1.067,401	1.070,565	-3,164	-2,00%	5,500	1.070,455	8,983	1.068,133
217	+	0,000	1.066,161	-13,436	1.070,186	-7,400	2,00%	1.066,491	1.070,038	-3,547	-2,00%	5,500	1.069,928	9,307	1.067,390
217	+	10,000	1.065,407	-13,827	1.069,691	-7,400	2,00%	1.065,961	1.069,543	-3,582	-2,00%	5,500	1.069,433	9,635	1.066,677
218	+	0,000	1.064,988	-13,763	1.069,230	-7,400	2,00%	1.065,664	1.069,082	-3,418	-2,00%	5,500	1.068,972	9,810	1.066,099
218	+	10,000	1.064,385	-14,001	1.068,786	-7,400	2,00%	1.065,040	1.068,638	-3,598	-2,00%	5,500	1.068,528	10,031	1.065,507
219	+	0,000	1.063,809	-14,199	1.068,341	-7,400	2,00%	1.064,455	1.068,193	-3,738	-2,00%	5,500	1.068,083	10,252	1.064,916
219	+	10,000	1.063,237	-14,390	1.067,897	-7,400	2,00%	1.064,006	1.067,749	-3,743	-2,00%	5,500	1.067,639	9,724	1.064,823
220	+	0,000	1.062,817	-14,354	1.067,453	-7,400	2,00%	1.064,026	1.067,305	-3,279	-2,00%	5,500	1.067,195	8,813	1.064,986
220	+	10,000	1.062,344	-14,396	1.067,008	-7,400	2,00%	1.063,732	1.066,860	-3,128	-2,00%	5,500	1.066,750	8,267	1.064,906
221	+	0,000	1.061,385	-15,168	1.066,564	-7,400	2,00%	1.063,484	1.066,416	-2,932	-2,00%	5,500	1.066,306	8,180	1.064,520
221	+	0.372	1.061.350	-15.196	1.066.548	-7.400	2.00%	1.063.476	1.066.400	-2.924	-2.00%	5.500	1.066.290	8.213	1.064.481



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
221	+	10,000	1.060,467	-15,814	1.066,077	-7,400	1,42%	1.063,084	1.065,972	-2,888	-1,42%	5,500	1.065,894	8,976	1.063,577
222	+	0,000	1.059,634	-16,330	1.065,587	-7,400	0,81%	1.061,503	1.065,527	-4,024	-0,81%	5,500	1.065,483	8,972	1.063,168
222	+	10,000	1.059,759	-15,409	1.065,098	-7,400	0,20%	1.060,336	1.065,083	-4,747	-0,20%	5,500	1.065,072	9,052	1.062,704
222	+	13,371	1.059,840	-15,040	1.064,933	-7,400	0,00%	1.061,022	1.064,933	-3,911	0,00%	5,500	1.064,933	8,877	1.062,682
222	+	13,372	1.059,840	-15,040	1.064,933	-7,400	0,00%	1.061,022	1.064,933	-3,911	0,00%	5,500	1.064,933	8,877	1.062,682
223	+	0,000	1.059,647	-14,844	1.064,609	-7,400	-0,40%	1.061,563	1.064,639	-3,076	0,40%	5,500	1.064,661	8,535	1.062,637
223	+	10,000	1.060,103	-13,426	1.064,120	-7,400	-1,01%	1.061,725	1.064,194	-2,469	1,01%	5,500	1.064,250	8,033	1.062,561
224	+	0,000	1.060,403	-12,242	1.063,631	-7,400	-1,61%	1.061,653	1.063,750	-2,097	1,61%	5,500	1.063,839	7,613	1.062,430
224	+	6,372	1.060,511	-11,612	1.063,319	-7,400	-2,00%	1.061,527	1.063,467	-1,940	2,00%	5,500	1.063,577	7,444	1.062,281
224	+	10,000	1.060,552	-11,308	1.063,158	-7,400	-2,00%	1.061,454	1.063,306	-1,852	2,00%	5,500	1.063,416	7,334	1.062,193
225	+	0,000	1.060,483	-10,746	1.062,713	-7,400	-2,00%	1.061,270	1.062,861	-1,591	2,00%	5,500	1.062,971	6,985	1.061,981
225	+	10,000	1.060,229	-10,460	1.062,269	-7,400	-2,00%	1.061,028	1.062,417	-1,389	2,00%	5,500	1.062,527	6,731	1.061,707
226	+	0,000	1.059,917	-10,262	1.061,825	-7,400	-2,00%	1.060,815	1.061,973	-1,158	2,00%	5,500	1.062,083	6,423	1.061,467
226	+	10,000	1.059,643	-10,005	1.061,380	-7,400	-2,00%	1.060,609	1.061,528	-0,919	2,00%	5,500	1.061,638	6,345	1.061,075
227	+	0,000	1.058,850	-10,529	1.060,936	-7,400	-2,00%	1.059,967	1.061,084	-1,117	2,00%	5,500	1.061,194	6,226	1.060,710
227	+	10,000	1.058,462	-10,445	1.060,492	-7,400	-2,00%	1.059,514	1.060,640	-1,126	2,00%	5,500	1.060,750	6,163	1.060,307
228	+	0,000	1.057,766	-10,822	1.060,047	-7,400	-2,00%	1.059,317	1.060,195	-0,878	2,00%	5,500	1.060,305	6,103	1.059,903
228	+	10,000	1.057,811	-10,089	1.059,603	-7,400	-2,00%	1.059,097	1.059,751	-0,654	2,00%	5,500	1.059,861	5,799	1.059,661
228	+	17,735	1.057,599	-9,890	1.059,259	-7,400	-2,00%	1.059,065	1.059,407	-0,342	2,00%	5,500	1.059,517	5,606	1.059,447
229	+	0,000	1.057,604	-9,732	1.059,159	-7,400	-2,00%	1.058,936	1.059,307	-0,371	1,86%	5,500	1.059,409	5,580	1.059,355
229	+	8,625	1.057,364	-9,517	1.058,775	-7,400	-2,00%	1.058,433	1.058,923	-0,490	1,34%	5,500	1.058,997	5,596	1.058,933
229	+	10,000	1.057,322	-9,489	1.058,714	-7,400	-2,00%	1.058,374	1.058,862	-0,488	1,26%	5,500	1.058,931	5,621	1.058,851
230	+	0,000	1.057,048	-9,232	1.058,270	-7,400	-2,00%	1.058,065	1.058,418	-0,353	0,65%	5,500	1.058,454	5,524	1.058,477
230	+	10,000	1.056,835	-8,885	1.057,826	-7,400	-2,00%	1.057,735	1.057,974	-0,239	0,05%	5,500	1.057,976	5,728	1.058,204
231	+	0,000	1.056,622	-8,538	1.057,381	-7,400	-2,00%	1.057,424	1.057,529	-0,105	-0,56%	5,500	1.057,498	5,903	1.057,901



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
231	+	10,000	1.056,409	-8,191	1.056,937	-7,400	-2,00%	1.057,060	1.057,085	-0,025	-1,17%	5,500	1.057,021	5,988	1.057,509
232	+	0,000	1.056,140	-7,929	1.056,493	-7,400	-2,00%	1.056,590	1.056,641	-0,051	-1,77%	5,500	1.056,543	6,030	1.057,073
232	+	3,735	1.056,008	-7,878	1.056,327	-7,400	-2,00%	1.056,395	1.056,475	-0,080	-2,00%	5,500	1.056,365	6,042	1.056,907
232	+	10,000	1.055,706	-7,913	1.056,048	-7,400	-2,00%	1.056,082	1.056,196	-0,114	-2,00%	5,500	1.056,086	6,032	1.056,618
233	+	0,000	1.055,182	-8,032	1.055,604	-7,400	-2,00%	1.055,780	1.055,752	0,028	-2,00%	5,500	1.055,642	6,082	1.056,223
233	+	10,000	1.054,887	-7,809	1.055,159	-7,400	-2,00%	1.055,549	1.055,307	0,242	-2,00%	5,500	1.055,197	6,184	1.055,881
234	+	0,000	1.054,833	-7,518	1.054,715	-7,400	-2,00%	1.055,396	1.054,863	0,533	-2,00%	5,500	1.054,753	6,145	1.055,398
234	+	10,000	1.054,604	-7,733	1.054,271	-7,400	-2,00%	1.055,061	1.054,419	0,642	-2,00%	5,500	1.054,309	6,639	1.055,448
235	+	0,000	1.054,282	-7,856	1.053,826	-7,400	-2,00%	1.054,753	1.053,974	0,779	-2,00%	5,500	1.053,864	6,729	1.055,094
235	+	10,000	1.054,076	-8,094	1.053,382	-7,400	-2,00%	1.054,229	1.053,530	0,699	-2,00%	5,500	1.053,420	6,572	1.054,492
235	+	15,040	1.053,740	-7,982	1.053,158	-7,400	-2,00%	1.053,922	1.053,306	0,616	-2,00%	5,500	1.053,196	6,526	1.054,223
236	+	0,000	1.053,396	-7,858	1.052,938	-7,400	-2,00%	1.053,617	1.053,086	0,531	-1,70%	5,500	1.052,992	6,516	1.054,008
236	+	10,000	1.052,598	-7,504	1.052,493	-7,400	-2,00%	1.053,004	1.052,641	0,363	-1,09%	5,500	1.052,581	6,314	1.053,396
237	+	0,000	1.051,856	-7,690	1.052,049	-7,400	-2,00%	1.052,323	1.052,197	0,126	-0,49%	5,500	1.052,170	6,078	1.052,748
237	+	10,000	1.051,157	-8,071	1.051,605	-7,400	-2,00%	1.051,631	1.051,753	-0,122	0,12%	5,500	1.051,759	5,802	1.052,061
238	+	0,000	1.050,660	-8,151	1.051,160	-7,400	-2,00%	1.051,120	1.051,308	-0,188	0,73%	5,500	1.051,348	5,758	1.051,177
238	+	10,000	1.049,772	-8,815	1.050,716	-7,400	-2,00%	1.050,240	1.050,864	-0,624	1,33%	5,500	1.050,937	5,872	1.050,689
238	+	10,150	1.049,758	-8,828	1.050,709	-7,400	-2,00%	1.050,231	1.050,857	-0,626	1,34%	5,500	1.050,931	5,879	1.050,679
239	+	0,000	1.049,034	-9,257	1.050,272	-7,400	-2,00%	1.049,636	1.050,420	-0,784	1,94%	5,500	1.050,526	6,334	1.049,970
239	+	1,040	1.048,938	-9,332	1.050,225	-7,400	-2,00%	1.049,573	1.050,373	-0,800	2,00%	5,500	1.050,483	6,335	1.049,927
239	+	10,000	1.048,109	-9,978	1.049,827	-7,400	-2,00%	1.049,109	1.049,975	-0,866	2,00%	5,500	1.050,085	6,045	1.049,722
240	+	0,000	1.047,233	-10,625	1.049,383	-7,400	-2,00%	1.048,427	1.049,531	-1,104	2,00%	5,500	1.049,641	6,163	1.049,199
240	+	10,000	1.046,647	-10,859	1.048,953	-7,400	-2,00%	1.047,892	1.049,101	-1,209	2,00%	5,500	1.049,211	6,309	1.048,672
241	+	0,000	1.046,079	-11,111	1.048,553	-7,400	-2,00%	1.047,372	1.048,701	-1,329	2,00%	5,500	1.048,811	6,396	1.048,214
241	+	10,000	1.045,832	-10,926	1.048,183	-7,400	-2,00%	1.046,950	1.048,331	-1,381	2,00%	5,500	1.048,441	6,471	1.047,794



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
242	+	0,000	1.045,388	-11,081	1.047,842	-7,400	-2,00%	1.046,522	1.047,990	-1,468	2,00%	5,500	1.048,100	6,566	1.047,390
242	+	10,000	1.044,918	-11,320	1.047,531	-7,400	-2,00%	1.046,144	1.047,679	-1,535	2,00%	5,500	1.047,789	6,392	1.047,194
243	+	0,000	1.044,706	-11,215	1.047,250	-7,400	-2,00%	1.045,971	1.047,398	-1,427	2,00%	5,500	1.047,508	6,473	1.046,859
243	+	10,000	1.044,449	-11,223	1.046,998	-7,400	-2,00%	1.045,691	1.047,146	-1,455	2,00%	5,500	1.047,256	6,501	1.046,589
244	+	0,000	1.044,167	-11,312	1.046,775	-7,400	-2,00%	1.045,428	1.046,923	-1,495	2,00%	5,500	1.047,033	6,616	1.046,290
244	+	10,000	1.043,939	-11,343	1.046,568	-7,400	-2,00%	1.045,088	1.046,716	-1,628	2,00%	5,500	1.046,826	6,690	1.046,032
245	+	0,000	1.043,689	-11,406	1.046,360	-7,400	-2,00%	1.044,714	1.046,508	-1,794	2,00%	5,500	1.046,618	6,686	1.045,827
245	+	10,000	1.043,637	-11,173	1.046,152	-7,400	-2,00%	1.044,844	1.046,300	-1,456	2,00%	5,500	1.046,410	6,309	1.045,871
246	+	0,000	1.043,639	-10,859	1.045,945	-7,400	-2,00%	1.044,717	1.046,093	-1,376	2,00%	5,500	1.046,203	6,317	1.045,658
246	+	10,000	1.043,585	-10,628	1.045,737	-7,400	-2,00%	1.044,584	1.045,885	-1,301	2,00%	5,500	1.045,995	6,405	1.045,392
247	+	0,000	1.043,597	-10,299	1.045,530	-7,400	-2,00%	1.044,651	1.045,678	-1,027	2,00%	5,500	1.045,788	6,179	1.045,335
247	+	10,000	1.043,587	-9,984	1.045,309	-7,400	-2,00%	1.044,620	1.045,457	-0,837	2,00%	5,500	1.045,567	6,101	1.045,167
248	+	0,000	1.043,607	-9,586	1.045,064	-7,400	-2,00%	1.044,383	1.045,212	-0,829	2,00%	5,500	1.045,322	6,048	1.044,957
248	+	10,000	1.043,527	-9,300	1.044,794	-7,400	-2,00%	1.044,219	1.044,942	-0,723	2,00%	5,500	1.045,052	5,910	1.044,779
249	+	0,000	1.043,297	-9,203	1.044,499	-7,400	-2,00%	1.043,998	1.044,647	-0,649	2,00%	5,500	1.044,757	5,719	1.044,611
249	+	10,000	1.043,004	-9,162	1.044,179	-7,400	-2,00%	1.043,668	1.044,327	-0,659	2,00%	5,500	1.044,437	5,794	1.044,241
250	+	0,000	1.042,559	-9,312	1.043,833	-7,400	-2,00%	1.043,328	1.043,981	-0,653	2,00%	5,500	1.044,091	5,902	1.043,823
250	+	10,000	1.042,126	-9,405	1.043,463	-7,400	-2,00%	1.042,939	1.043,611	-0,672	2,00%	5,500	1.043,721	5,874	1.043,471
251	+	0,000	1.041,931	-9,105	1.043,068	-7,400	-2,00%	1.042,615	1.043,216	-0,601	2,00%	5,500	1.043,326	5,851	1.043,092
251	+	10,000	1.041,822	-8,637	1.042,647	-7,400	-2,00%	1.042,394	1.042,795	-0,401	2,00%	5,500	1.042,905	5,710	1.042,765
252	+	0,000	1.041,729	-8,109	1.042,202	-7,400	-2,00%	1.042,252	1.042,350	-0,098	2,00%	5,500	1.042,460	5,651	1.042,611
252	+	10,000	1.041,625	-7,560	1.041,731	-7,400	-2,00%	1.042,130	1.041,879	0,251	2,00%	5,500	1.041,989	5,817	1.042,307
253	+	0,000	1.041,513	-7,677	1.041,236	-7,400	-2,00%	1.042,045	1.041,384	0,661	2,00%	5,500	1.041,494	6,232	1.042,226
253	+	10,000	1.041,427	-8,111	1.040,715	-7,400	-2,00%	1.041,740	1.040,863	0,877	2,00%	5,500	1.040,973	6,305	1.041,779
254	+	0,000	1.041,111	-8,341	1.040,170	-7,400	-2,00%	1.041,391	1.040,318	1,073	2,00%	5,500	1.040,428	6,429	1.041,357



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
254 +	0,778	1.041,086	-8,360	1.040,126	-7,400	-2,00%	1.041,366	1.040,274	1,092	2,00%	5,500	1.040,384	6,418	1.041,302
254 +	10,000	1.040,678	-8,479	1.039,599	-7,400	-2,00%	1.040,904	1.039,747	1,157	1,44%	5,500	1.039,827	6,646	1.040,972
254 +	11,668	1.040,596	-8,495	1.039,502	-7,400	-2,00%	1.040,804	1.039,650	1,154	1,34%	5,500	1.039,723	6,655	1.040,878
255 +	0,000	1.040,207	-8,603	1.039,004	-7,400	-2,00%	1.040,245	1.039,152	1,093	0,84%	5,500	1.039,198	5,936	1.039,634
255 +	10,000	1.039,228	-8,244	1.038,383	-7,400	-2,00%	1.038,943	1.038,531	0,412	0,23%	5,500	1.038,544	5,717	1.038,761
256 +	0,000	1.038,791	-8,454	1.037,737	-7,400	-2,00%	1.038,463	1.037,885	0,578	-0,38%	5,500	1.037,865	5,892	1.038,257
256 +	10,000	1.038,583	-8,917	1.037,067	-7,400	-2,00%	1.038,283	1.037,215	1,068	-0,98%	5,500	1.037,161	6,710	1.038,371
257 +	0,000	1.037,899	-8,928	1.036,371	-7,400	-2,00%	1.038,001	1.036,519	1,482	-1,59%	5,500	1.036,432	7,006	1.037,938
257 +	6,778	1.037,141	-8,650	1.035,891	-7,400	-2,00%	1.037,404	1.036,039	1,365	-2,00%	5,500	1.035,929	6,316	1.036,745
257 +	10,000	1.036,971	-8,709	1.035,663	-7,400	-2,00%	1.036,966	1.035,811	1,155	-2,00%	5,500	1.035,701	6,217	1.036,418
258 +	0,000	1.036,443	-8,889	1.034,954	-7,400	-2,00%	1.035,702	1.035,102	0,600	-2,00%	5,500	1.034,992	6,298	1.035,790
258 +	10,000	1.035,916	-9,069	1.034,246	-7,400	-2,00%	1.034,912	1.034,394	0,518	-2,00%	5,500	1.034,284	5,863	1.034,647
259 +	0,000	1.035,388	-9,250	1.033,538	-7,400	-2,00%	1.034,364	1.033,686	0,678	-2,00%	5,500	1.033,576	5,662	1.033,738
259 +	10,000	1.034,860	-9,430	1.032,830	-7,400	-2,00%	1.033,817	1.032,978	0,839	-2,00%	5,500	1.032,868	6,086	1.033,453
260 +	0,000	1.034,332	-9,611	1.032,121	-7,400	-2,00%	1.033,419	1.032,269	1,150	-2,00%	5,500	1.032,159	6,285	1.032,944
260 +	10,000	1.033,804	-9,791	1.031,413	-7,400	-2,00%	1.032,972	1.031,561	1,411	-2,00%	5,500	1.031,451	6,204	1.032,155
261 +	0,000	1.033,323	-10,019	1.030,705	-7,400	-2,00%	1.032,324	1.030,853	1,471	-2,00%	5,500	1.030,743	6,523	1.031,766
261 +	6,646	1.032,972	-10,138	1.030,234	-7,400	-2,00%	1.032,084	1.030,382	1,702	-2,00%	5,500	1.030,272	6,339	1.031,111
261 +	10,000	1.032,838	-10,242	1.029,997	-7,400	-2,00%	1.030,983	1.030,145	0,838	-1,80%	5,500	1.030,046	6,238	1.030,784
262 +	0,000	1.031,009	-9,121	1.029,288	-7,400	-2,00%	1.029,867	1.029,436	0,431	-1,19%	5,500	1.029,371	6,212	1.030,083
262 +	10,000	1.030,532	-9,352	1.028,580	-7,400	-2,00%	1.028,988	1.028,728	0,260	-0,59%	5,500	1.028,696	5,856	1.029,051
263 +	0,000	1.029,113	-8,641	1.027,872	-7,400	-2,00%	1.028,108	1.028,020	0,088	0,02%	5,500	1.028,021	5,711	1.028,232
263 +	10,000	1.027,744	-7,981	1.027,164	-7,400	-2,00%	1.027,445	1.027,312	0,133	0,63%	5,500	1.027,346	5,559	1.027,405
264 +	0,000	1.026,429	-7,439	1.026,455	-7,400	-2,00%	1.026,456	1.026,603	-0,147	1,23%	5,500	1.026,671	5,783	1.026,954
264 +	1.756	1.026.340	-7.409	1.026.331	-7.400	-2.00%	1.026.152	1.026.479	-0.327	1.34%	5.500	1.026.553	5.712	1.026.765



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO			OFFSET		
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
264 +	10,000	1.026,022	-7,675	1.025,747	-7,400	-2,00%	1.024,698	1.025,895	-1,197	1,84%	5,500	1.025,996	6,168	1.025,551
264 +	12,646	1.025,886	-7,727	1.025,560	-7,400	-2,00%	1.024,623	1.025,708	-1,085	2,00%	5,500	1.025,818	6,283	1.025,296
265 +	0,000	1.025,358	-7,719	1.025,039	-7,400	-2,00%	1.024,418	1.025,187	-0,769	2,00%	5,500	1.025,297	6,352	1.024,729
265 +	10,000	1.024,558	-7,627	1.024,331	-7,400	-2,00%	1.023,415	1.024,479	-1,064	2,00%	5,500	1.024,589	6,649	1.023,822
266 +	0,000	1.024,070	-7,848	1.023,622	-7,400	-2,00%	1.022,825	1.023,770	-0,945	2,00%	5,500	1.023,880	6,787	1.023,022
266 +	10,000	1.025,122	-9,608	1.022,914	-7,400	-2,00%	1.023,099	1.023,062	0,037	2,00%	5,500	1.023,172	6,918	1.022,227
267 +	0,000	1.026,181	-11,375	1.022,206	-7,400	-2,00%	1.023,833	1.022,354	1,479	2,00%	5,500	1.022,464	5,511	1.022,456
267 +	10,000	1.026,897	-12,799	1.021,498	-7,400	-2,00%	1.023,621	1.021,646	1,975	2,00%	5,500	1.021,756	6,362	1.022,617
268 +	0,000	1.027,259	-13,870	1.020,789	-7,400	-2,00%	1.023,418	1.020,937	2,481	2,00%	5,500	1.021,047	6,742	1.022,289
268 +	10,000	1.027,260	-14,559	1.020,101	-7,400	-2,00%	1.023,129	1.020,249	2,880	2,00%	5,500	1.020,359	6,929	1.021,788
269 +	0,000	1.026,047	-13,995	1.019,452	-7,400	-2,00%	1.022,590	1.019,600	2,990	2,00%	5,500	1.019,710	7,024	1.021,234
269 +	10,000	1.025,070	-13,626	1.018,844	-7,400	-2,00%	1.022,269	1.018,992	3,277	2,00%	5,500	1.019,102	7,248	1.020,850
270 +	0,000	1.024,059	-13,184	1.018,275	-7,400	-2,00%	1.022,010	1.018,423	3,587	2,00%	5,500	1.018,533	7,598	1.020,631
270 +	10,000	1.022,911	-12,585	1.017,726	-7,400	-2,00%	1.021,889	1.017,874	4,015	2,00%	5,500	1.017,984	8,183	1.020,667
271 +	0,000	1.021,969	-12,192	1.017,177	-7,400	-2,00%	1.021,656	1.017,325	4,331	2,00%	5,500	1.017,435	8,971	1.020,906
271 +	9,084	1.021,387	-12,108	1.016,679	-7,400	-2,00%	1.021,039	1.016,827	4,212	2,00%	5,500	1.016,937	9,364	1.020,801
271 +	10,000	1.021,329	-12,101	1.016,629	-7,400	-2,00%	1.020,977	1.016,777	4,200	1,94%	5,500	1.016,883	9,401	1.020,785
271 +	19,974	1.020,877	-12,196	1.016,081	-7,400	-2,00%	1.020,403	1.016,229	4,174	1,34%	5,500	1.016,303	9,547	1.020,350
272 +	0,000	1.020,876	-12,196	1.016,080	-7,400	-2,00%	1.020,402	1.016,228	4,174	1,34%	5,500	1.016,301	9,548	1.020,350
272 +	10,000	1.020,562	-12,458	1.015,504	-7,400	-2,00%	1.019,993	1.015,652	4,341	0,73%	5,500	1.015,692	9,165	1.019,357
273 +	0,000	1.020,288	-12,815	1.014,873	-7,400	-2,00%	1.019,736	1.015,021	4,715	0,13%	5,500	1.015,028	9,705	1.019,233
273 +	10,000	1.019,856	-13,068	1.014,188	-7,400	-2,00%	1.019,570	1.014,336	5,234	-0,48%	5,500	1.014,310	9,138	1.017,948
274 +	0,000	1.019,505	-13,455	1.013,449	-7,400	-2,00%	1.019,185	1.013,597	5,588	-1,09%	5,500	1.013,537	9,433	1.017,470
274 +	10,000	1.018,976	-13,693	1.012,683	-7,400	-2,00%	1.018,581	1.012,831	5,750	-1,69%	5,500	1.012,738	9,555	1.016,793
274 +	15.084	1.018.622	-13.729	1.012.293	-7.400	-2.00%	1.018.510	1.012.441	6.069	-2.00%	5.500	1.012.331	9.443	1.016.274



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
275 +	0,000	1.018,717	-14,201	1.011,916	-7,400	-2,00%	1.018,180	1.012,064	6,116	-2,00%	5,500	1.011,954	8,057	1.014,511
275 +	10,000	1.018,491	-14,741	1.011,150	-7,400	-2,00%	1.017,192	1.011,298	5,894	-2,00%	5,500	1.011,188	8,759	1.014,447
276 +	0,000	1.017,453	-14,470	1.010,383	-7,400	-2,00%	1.016,069	1.010,531	5,538	-2,00%	5,500	1.010,421	9,247	1.014,169
276 +	10,000	1.016,381	-14,164	1.009,617	-7,400	-2,00%	1.014,824	1.009,765	5,059	-2,00%	5,500	1.009,655	9,192	1.013,347
277 +	0,000	1.014,998	-13,548	1.008,851	-7,400	-2,00%	1.013,496	1.008,999	4,497	-2,00%	5,500	1.008,889	8,781	1.012,169
277 +	10,000	1.013,350	-12,665	1.008,084	-7,400	-2,00%	1.012,034	1.008,232	3,802	-2,00%	5,500	1.008,122	8,364	1.010,986
278 +	0,000	1.011,856	-11,939	1.007,318	-7,400	-2,00%	1.010,901	1.007,466	3,435	-2,00%	5,500	1.007,356	8,567	1.010,422
278 +	10,000	1.010,472	-11,321	1.006,551	-7,400	-2,00%	1.009,691	1.006,699	2,992	-2,00%	5,500	1.006,589	7,489	1.008,578
279 +	0,000	1.009,165	-10,780	1.005,785	-7,400	-2,00%	1.008,590	1.005,933	2,657	-2,00%	5,500	1.005,823	7,850	1.008,173
279 +	9,770	1.007,960	-10,324	1.005,036	-7,400	-2,00%	1.007,524	1.005,184	2,340	-2,00%	5,500	1.005,074	7,573	1.007,147
279 +	10,000	1.007,937	-10,318	1.005,019	-7,400	-1,99%	1.007,500	1.005,166	2,334	-2,00%	5,500	1.005,056	7,573	1.007,129
280 +	0,000	1.006,960	-10,062	1.004,298	-7,400	-1,38%	1.006,480	1.004,400	2,080	-2,00%	5,500	1.004,290	7,365	1.006,155
280 +	10,000	1.005,827	-9,651	1.003,576	-7,400	-0,77%	1.005,372	1.003,634	1,738	-2,00%	5,500	1.003,524	6,967	1.004,991
281 +	0,000	1.004,438	-8,983	1.002,855	-7,400	-0,17%	1.004,166	1.002,867	1,299	-2,00%	5,500	1.002,757	6,952	1.004,209
281 +	10,000	1.003,262	-8,529	1.002,133	-7,400	0,44%	1.003,312	1.002,101	1,211	-2,00%	5,500	1.001,991	6,876	1.003,367
282 +	0,000	1.002,265	-8,254	1.001,411	-7,400	1,04%	1.002,416	1.001,334	1,082	-2,00%	5,500	1.001,224	6,951	1.002,675
282 +	4,880	1.001,925	-8,266	1.001,059	-7,400	1,34%	1.002,008	1.000,960	1,048	-2,00%	5,500	1.000,850	7,036	1.002,386
282 +	10,000	1.001,564	-8,274	1.000,690	-7,400	1,65%	1.001,602	1.000,568	1,034	-2,00%	5,500	1.000,458	7,137	1.002,095
282 +	15,770	1.001,112	-8,239	1.000,274	-7,400	2,00%	1.001,140	1.000,126	1,014	-2,00%	5,500	1.000,016	7,169	1.001,684
283 +	0,000	1.000,649	-8,100	999,949	-7,400	2,00%	1.000,707	999,801	0,906	-2,00%	5,500	999,691	6,906	1.001,098
283 +	10,000	999,805	-8,022	999,183	-7,400	2,00%	999,743	999,035	0,708	-2,00%	5,500	998,925	6,316	999,741
284 +	0,000	998,991	-7,974	998,416	-7,400	2,00%	998,846	998,268	0,578	-2,00%	5,500	998,158	6,103	998,761
284 +	10,000	998,042	-7,792	997,650	-7,400	2,00%	997,951	997,502	0,449	-2,00%	5,500	997,392	5,962	997,854
285 +	0,000	996,984	-7,500	996,884	-7,400	2,00%	997,185	996,736	0,449	-2,00%	5,500	996,626	6,809	997,935
285 +	10,000	996,155	-7,438	996,117	-7,400	2,00%	995,870	995,969	-0,099	-2,00%	5,500	995,859	6,321	996,680



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
286	+	0,000	995,291	-7,489	995,351	-7,400	2,00%	995,031	995,203	-0,172	-2,00%	5,500	995,093	5,907	995,499
286	+	10,000	994,200	-7,977	994,584	-7,400	2,00%	994,098	994,436	-0,338	-2,00%	5,500	994,326	5,877	994,703
287	+	0,000	993,307	-8,167	993,818	-7,400	2,00%	993,139	993,670	-0,531	-2,00%	5,500	993,560	6,046	993,196
287	+	10,000	992,624	-8,041	993,051	-7,400	2,00%	992,407	992,903	-0,496	-2,00%	5,500	992,793	6,014	992,451
288	+	0,000	991,590	-8,442	992,285	-7,400	2,00%	991,534	992,137	-0,603	-2,00%	5,500	992,027	6,044	991,664
288	+	10,000	990,485	-8,951	991,519	-7,400	2,00%	990,681	991,371	-0,690	-2,00%	5,500	991,261	6,073	991,833
289	+	0,000	989,661	-9,037	990,752	-7,400	2,00%	989,515	990,604	-1,089	-2,00%	5,500	990,494	5,621	990,616
289	+	10,000	988,724	-9,293	989,986	-7,400	2,00%	988,425	989,838	-1,413	-2,00%	5,500	989,728	6,171	989,281
290	+	0,000	987,753	-9,599	989,219	-7,400	2,00%	987,630	989,071	-1,441	-2,00%	5,500	988,961	5,886	988,704
290	+	9,398	986,542	-10,335	988,499	-7,400	2,00%	986,898	988,351	-1,453	-2,00%	5,500	988,241	5,896	987,977
290	+	10,000	986,490	-10,340	988,450	-7,400	1,96%	986,843	988,305	-1,462	-2,00%	5,500	988,195	5,972	987,880
291	+	0,000	985,629	-10,415	987,639	-7,400	1,36%	985,985	987,538	-1,553	-2,00%	5,500	987,428	6,244	986,933
291	+	0,288	985,604	-10,417	987,616	-7,400	1,34%	985,961	987,516	-1,555	-2,00%	5,500	987,406	6,245	986,909
291	+	10,000	984,851	-10,365	986,828	-7,400	0,75%	985,425	986,772	-1,347	-2,00%	5,500	986,662	6,189	986,203
292	+	0,000	984,382	-9,851	986,016	-7,400	0,15%	985,078	986,006	-0,928	-2,00%	5,500	985,896	5,546	985,942
292	+	10,000	983,802	-9,504	985,205	-7,400	-0,46%	984,539	985,239	-0,700	-2,00%	5,500	985,129	5,729	985,358
293	+	0,000	982,968	-9,538	984,394	-7,400	-1,07%	983,421	984,473	-1,052	-2,00%	5,500	984,363	5,615	984,286
293	+	10,000	982,303	-9,319	983,582	-7,400	-1,67%	982,606	983,706	-1,100	-2,00%	5,500	983,596	5,804	983,393
293	+	15,398	982,058	-9,030	983,145	-7,400	-2,00%	982,221	983,293	-1,072	-2,00%	5,500	983,183	5,776	982,998
294	+	0,000	981,621	-9,156	982,792	-7,400	-2,00%	981,847	982,940	-1,093	-2,00%	5,500	982,830	5,551	982,796
294	+	10,000	980,530	-9,643	982,025	-7,400	-2,00%	980,974	982,173	-1,199	-2,00%	5,500	982,063	6,019	981,717
295	+	0,000	979,811	-9,572	981,259	-7,400	-2,00%	980,175	981,407	-1,232	-2,00%	5,500	981,297	6,404	980,694
295	+	10,000	979,028	-9,596	980,493	-7,400	-2,00%	979,624	980,641	-1,017	-2,00%	5,500	980,531	6,364	981,395
296	+	0,000	978,022	-9,955	979,726	-7,400	-2,00%	978,504	979,874	-1,370	-2,00%	5,500	979,764	5,612	979,689
296	+	10,000	977,094	-10,198	978,960	-7,400	-2,00%	977,587	979,108	-1,521	-2,00%	5,500	978,998	6,277	978,480



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
297	+	0,000	976,296	-10,245	978,193	-7,400	-2,00%	976,807	978,341	-1,534	-2,00%	5,500	978,231	6,045	977,868
297	+	10,000	975,393	-10,450	977,427	-7,400	-2,00%	975,952	977,575	-1,623	-2,00%	5,500	977,465	5,821	977,251
298	+	0,000	974,508	-10,628	976,660	-7,400	-2,00%	975,183	976,808	-1,625	-2,00%	5,500	976,698	6,425	976,082
298	+	10,000	973,913	-10,372	975,894	-7,400	-2,00%	974,611	976,042	-1,431	-2,00%	5,500	975,932	6,365	975,355
299	+	0,000	973,203	-10,287	975,127	-7,400	-2,00%	973,707	975,275	-1,568	-2,00%	5,500	975,165	6,130	974,746
299	+	10,000	972,517	-10,166	974,361	-7,400	-2,00%	973,039	974,509	-1,470	-2,00%	5,500	974,399	6,627	973,648
300	+	0,000	971,787	-10,111	973,595	-7,400	-2,00%	972,350	973,743	-1,393	-2,00%	5,500	973,633	5,919	973,354
300	+	5,000	971,295	-10,274	973,211	-7,400	-2,00%	972,017	973,359	-1,342	-2,00%	5,500	973,249	6,242	972,755
300	+	10,000	970,803	-10,444	972,833	-7,400	-2,00%	971,607	972,981	-1,374	-2,00%	5,500	972,871	6,310	972,331
301	+	0,000	970,033	-10,505	972,103	-7,400	-2,00%	970,857	972,251	-1,394	-2,00%	5,500	972,141	6,042	971,779
301	+	10,000	969,308	-10,551	971,409	-7,400	-2,00%	969,937	971,557	-1,620	-2,00%	5,500	971,447	6,248	970,948
302	+	0,000	968,230	-11,182	970,751	-7,400	-2,00%	969,007	970,899	-1,892	-2,00%	5,500	970,789	6,662	970,015
302	+	10,000	967,124	-11,910	970,130	-7,400	-2,00%	968,165	970,278	-2,113	-2,00%	5,500	970,168	7,333	968,946
303	+	0,000	965,911	-12,852	969,545	-7,400	-2,00%	967,705	969,693	-1,988	-2,00%	5,500	969,583	6,583	968,861
303	+	10,000	964,515	-14,122	968,997	-7,400	-2,00%	966,853	969,145	-2,292	-2,00%	5,500	969,035	6,824	968,152
304	+	0,000	964,487	-13,397	968,485	-7,400	-2,00%	966,173	968,633	-2,460	-2,00%	5,500	968,523	6,564	967,813
304	+	10,000	965,400	-11,313	968,009	-7,400	-2,00%	965,864	968,157	-2,293	-2,00%	5,500	968,047	6,716	967,236
305	+	0,000	965,315	-10,782	967,569	-7,400	-2,00%	965,911	967,717	-1,806	-2,00%	5,500	967,607	6,459	966,968
305	+	10,000	965,261	-10,258	967,166	-7,400	-2,00%	965,776	967,314	-1,538	-2,00%	5,500	967,204	6,199	966,738
305	+	15,000	965,174	-10,107	966,978	-7,400	-2,00%	965,666	967,126	-1,460	-2,00%	5,500	967,016	5,970	966,703
306	+	0,000	964,800	-10,392	966,795	-7,400	-2,00%	965,533	966,943	-1,410	-2,00%	5,500	966,833	6,458	966,194
306	+	10,000	964,891	-9,694	966,421	-7,400	-2,00%	965,346	966,569	-1,223	-2,00%	5,500	966,459	6,446	965,829
307	+	0,000	964,844	-9,183	966,033	-7,400	-2,00%	964,987	966,181	-1,194	-2,00%	5,500	966,071	6,067	965,693
307	+	10,000	964,601	-8,944	965,631	-7,400	-2,00%	964,960	965,779	-0,819	-2,00%	5,500	965,669	6,477	965,017
308	+	0,000	964,334	-8,721	965,214	-7,400	-2,00%	964,802	965,362	-0,560	-2,00%	5,500	965,252	6,330	964,699



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
308	+	10,000	963,840	-8,816	964,784	-7,400	-2,00%	964,239	964,932	-0,693	-2,00%	5,500	964,822	5,835	964,599
309	+	0,000	963,541	-8,598	964,339	-7,400	-2,00%	963,898	964,487	-0,589	-2,00%	5,500	964,377	6,040	964,017
309	+	10,000	963,301	-8,269	963,880	-7,400	-2,00%	963,589	964,028	-0,439	-2,00%	5,500	963,918	5,827	963,700
310	+	0,000	963,037	-7,956	963,408	-7,400	-2,00%	963,212	963,556	-0,344	-2,00%	5,500	963,446	6,024	963,096
310	+	10,000	962,742	-7,668	962,920	-7,400	-2,00%	962,840	963,068	-0,228	-2,00%	5,500	962,958	5,555	962,922
311	+	0,000	962,177	-7,763	962,419	-7,400	-2,00%	962,271	962,567	-0,296	-2,00%	5,500	962,457	5,898	962,855
311	+	10,000	961,387	-8,175	961,904	-7,400	-2,00%	961,582	962,052	-0,470	-2,00%	5,500	961,942	6,029	961,589
312	+	0,000	960,711	-8,396	961,374	-7,400	-2,00%	961,009	961,522	-0,513	-2,00%	5,500	961,412	5,563	961,476
312	+	10,000	960,233	-8,297	960,831	-7,400	-2,00%	960,537	960,979	-0,442	-2,00%	5,500	960,869	5,521	960,890
313	+	0,000	959,795	-8,117	960,273	-7,400	-2,00%	960,038	960,421	-0,383	-2,00%	5,500	960,311	5,519	960,330
313	+	10,000	959,372	-7,893	959,701	-7,400	-2,00%	959,525	959,849	-0,324	-2,00%	5,500	959,739	5,546	959,786
314	+	0,000	958,928	-7,681	959,115	-7,400	-2,00%	959,051	959,263	-0,212	-2,00%	5,500	959,153	5,599	959,252
314	+	10,000	958,451	-7,507	958,522	-7,400	-2,00%	958,539	958,670	-0,131	-2,00%	5,500	958,560	5,699	958,760
315	+	0,000	957,956	-7,427	957,929	-7,400	-2,00%	958,033	958,077	-0,044	-2,00%	5,500	957,967	5,769	958,236
315	+	10,000	957,380	-7,444	957,336	-7,400	-2,00%	957,493	957,484	0,009	-2,00%	5,500	957,374	5,740	957,614
316	+	0,000	956,814	-7,471	956,743	-7,400	-2,00%	956,957	956,891	0,066	-2,00%	5,500	956,781	5,792	957,073
316	+	10,000	956,314	-7,564	956,150	-7,400	-2,00%	956,392	956,298	0,094	-2,00%	5,500	956,188	5,902	956,590
317	+	0,000	955,836	-7,679	955,557	-7,400	-2,00%	955,888	955,705	0,183	-2,00%	5,500	955,595	5,922	956,017
317	+	10,000	955,288	-7,724	954,964	-7,400	-2,00%	955,322	955,112	0,210	-2,00%	5,500	955,002	5,918	955,419
318	+	0,000	954,709	-7,738	954,370	-7,400	-2,00%	954,723	954,518	0,205	-2,00%	5,500	954,408	5,900	954,809
318	+	10,000	954,118	-7,741	953,777	-7,400	-2,00%	954,131	953,925	0,206	-2,00%	5,500	953,815	5,893	954,209
319	+	0,000	953,524	-7,740	953,184	-7,400	-2,00%	953,538	953,332	0,206	-2,00%	5,500	953,222	5,900	953,622
319	+	10,000	952,913	-7,722	952,591	-7,400	-2,00%	952,940	952,739	0,201	-2,00%	5,500	952,629	5,898	953,027
320	+	0,000	952,288	-7,690	951,998	-7,400	-2,00%	952,329	952,146	0,183	-2,00%	5,500	952,036	5,890	952,426
320	+	10,000	951,660	-7,655	951,405	-7,400	-2,00%	951,695	951,553	0,142	-2,00%	5,500	951,443	5,845	951,788



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
321	+	0,000	950,948	-7,536	950,812	-7,400	-2,00%	951,115	950,960	0,155	-2,00%	5,500	950,850	5,855	951,205
321	+	10,000	950,314	-7,495	950,219	-7,400	-2,00%	950,508	950,367	0,141	-2,00%	5,500	950,257	6,035	950,792
322	+	0,000	949,630	-7,404	949,626	-7,400	-2,00%	949,767	949,774	-0,007	-2,00%	5,500	949,664	5,814	949,978
322	+	10,000	949,014	-7,429	949,033	-7,400	-2,00%	949,047	949,181	-0,134	-2,00%	5,500	949,071	5,637	949,208
323	+	0,000	948,427	-7,419	948,440	-7,400	-2,00%	948,456	948,588	-0,132	-2,00%	5,500	948,478	5,524	948,501
323	+	10,000	947,828	-7,427	947,846	-7,400	-2,00%	947,899	947,994	-0,095	-2,00%	5,500	947,884	5,540	947,924
324	+	0,000	947,228	-7,438	947,253	-7,400	-2,00%	947,322	947,401	-0,079	-2,00%	5,500	947,291	5,602	947,394
324	+	10,000	946,577	-7,525	946,660	-7,400	-2,00%	946,666	946,808	-0,142	-2,00%	5,500	946,698	5,587	946,785
325	+	0,000	945,936	-7,596	946,067	-7,400	-2,00%	946,041	946,215	-0,174	-2,00%	5,500	946,105	5,573	946,178
325	+	10,000	945,354	-7,581	945,474	-7,400	-2,00%	945,417	945,622	-0,205	-2,00%	5,500	945,512	5,687	945,699
326	+	0,000	944,784	-7,546	944,881	-7,400	-2,00%	944,899	945,029	-0,130	-2,00%	5,500	944,919	5,727	945,146
326	+	10,000	944,212	-7,514	944,288	-7,400	-2,00%	944,256	944,436	-0,180	-2,00%	5,500	944,326	5,504	944,323
327	+	0,000	943,650	-7,468	943,695	-7,400	-2,00%	943,698	943,843	-0,145	-2,00%	5,500	943,733	5,528	943,761
327	+	10,000	943,067	-7,452	943,102	-7,400	-2,00%	943,118	943,250	-0,132	-2,00%	5,500	943,140	5,538	943,177
328	+	0,000	942,477	-7,448	942,509	-7,400	-2,00%	942,536	942,657	-0,121	-2,00%	5,500	942,547	5,539	942,585
328	+	10,000	941,896	-7,429	941,915	-7,400	-2,00%	941,960	942,063	-0,103	-2,00%	5,500	941,953	5,522	941,976
329	+	0,000	941,322	-7,401	941,322	-7,400	-2,00%	941,352	941,470	-0,118	-2,00%	5,500	941,360	5,515	941,350
329	+	10,000	940,733	-7,403	940,729	-7,400	-2,00%	940,737	940,877	-0,140	-2,00%	5,500	940,767	5,547	940,736
330	+	0,000	940,138	-7,402	940,136	-7,400	-2,00%	940,156	940,284	-0,128	-2,00%	5,500	940,174	5,577	940,123
330	+	10,000	939,562	-7,419	939,543	-7,400	-2,00%	939,606	939,691	-0,085	-2,00%	5,500	939,581	5,893	939,974
331	+	0,000	938,998	-7,448	938,950	-7,400	-2,00%	939,065	939,098	-0,033	-2,00%	5,500	938,988	5,699	939,187
331	+	10,000	938,413	-7,456	938,357	-7,400	-2,00%	938,481	938,505	-0,024	-2,00%	5,500	938,395	5,619	938,514
332	+	0,000	937,770	-7,406	937,764	-7,400	-2,00%	937,838	937,912	-0,074	-2,00%	5,500	937,802	5,592	937,894
332	+	10,000	937,170	-7,401	937,171	-7,400	-2,00%	937,285	937,319	-0,034	-2,00%	5,500	937,209	5,666	937,375
333	+	0,000	936,565	-7,419	936,578	-7,400	-2,00%	936,676	936,726	-0,050	-2,00%	5,500	936,616	5,706	936,822



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
333	+	10,000	935,983	-7,402	935,985	-7,400	-2,00%	936,105	936,133	-0,028	-2,00%	5,500	936,023	5,698	936,221
334	+	0,000	935,450	-7,458	935,391	-7,400	-2,00%	935,549	935,539	0,010	-2,00%	5,500	935,429	5,795	935,724
334	+	10,000	934,890	-7,491	934,798	-7,400	-2,00%	934,934	934,946	-0,012	-2,00%	5,500	934,836	5,647	934,984
335	+	0,000	934,286	-7,481	934,205	-7,400	-2,00%	934,358	934,353	0,005	-2,00%	5,500	934,243	5,896	934,640
335	+	10,000	933,732	-7,520	933,612	-7,400	-2,00%	933,862	933,760	0,102	-2,00%	5,500	933,650	5,948	934,098
336	+	0,000	933,199	-7,580	933,019	-7,400	-2,00%	933,404	933,167	0,237	-2,00%	5,500	933,057	5,976	933,533
336	+	10,000	932,649	-7,623	932,426	-7,400	-2,00%	932,895	932,574	0,321	-2,00%	5,500	932,464	6,142	933,106
337	+	0,000	932,073	-7,640	931,833	-7,400	-2,00%	932,254	931,981	0,273	-2,00%	5,500	931,871	6,152	932,522
337	+	10,000	931,476	-7,619	931,256	-7,400	-2,00%	931,699	931,404	0,295	-2,00%	5,500	931,294	6,148	931,943
338	+	0,000	930,985	-7,671	930,713	-7,400	-2,00%	931,049	930,861	0,188	-2,00%	5,500	930,751	6,060	931,311
338	+	10,000	930,514	-7,711	930,204	-7,400	-2,00%	930,598	930,352	0,246	-2,00%	5,500	930,242	5,936	930,677
339	+	0,000	930,108	-7,781	929,727	-7,400	-2,00%	930,189	929,875	0,314	-2,00%	5,500	929,765	6,031	930,296
339	+	10,000	929,622	-7,738	929,284	-7,400	-2,00%	929,877	929,432	0,445	-2,00%	5,500	929,322	6,298	930,120
340	+	0,000	929,222	-7,748	928,874	-7,400	-2,00%	929,369	929,022	0,347	-2,00%	5,500	928,912	5,889	929,302
340	+	10,000	928,688	-7,590	928,498	-7,400	-2,00%	928,664	928,646	0,018	-2,00%	5,500	928,536	5,834	928,870
341	+	0,000	928,070	-7,526	928,155	-7,400	-2,00%	928,050	928,303	-0,253	-2,00%	5,500	928,193	5,625	928,318
341	+	10,000	927,549	-7,844	927,845	-7,400	-2,00%	927,561	927,993	-0,432	-2,00%	5,500	927,883	5,510	927,876
342	+	0,000	927,119	-8,074	927,569	-7,400	-2,00%	927,120	927,717	-0,597	-2,00%	5,500	927,607	6,015	928,122
342	+	10,000	926,696	-8,344	927,326	-7,400	-2,00%	926,794	927,474	-0,680	-2,00%	5,500	927,364	5,998	927,031
343	+	0,000	926,343	-8,560	927,116	-7,400	-2,00%	926,460	927,264	-0,804	-2,00%	5,500	927,154	6,290	926,627
343	+	10,000	926,093	-8,670	926,939	-7,400	-2,00%	926,199	927,087	-0,888	-2,00%	5,500	926,977	6,457	926,339
344	+	0,000	925,829	-8,851	926,796	-7,400	-2,00%	925,926	926,944	-1,018	-2,00%	5,500	926,834	6,515	926,157
344	+	10,000	925,564	-9,084	926,686	-7,400	-2,00%	925,672	926,834	-1,162	-2,00%	5,500	926,724	5,867	926,480
345	+	0,000	925,399	-9,217	926,610	-7,400	-2,00%	925,494	926,758	-1,264	-2,00%	5,500	926,648	6,924	925,699
345	+	10,000	925,188	-9,469	926,567	-7,400	-2,00%	925,379	926,715	-1,336	-2,00%	5,500	926,605	7,057	925,567



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
346	+	0,000	925,153	-9,507	926,557	-7,400	-2,00%	925,375	926,705	-1,330	-2,00%	5,500	926,595	7,046	925,564
346	+	10,000	925,103	-9,617	926,581	-7,400	-2,00%	925,378	926,729	-1,351	-2,00%	5,500	926,619	6,919	925,673
347	+	0,000	925,095	-9,714	926,638	-7,400	-2,00%	925,421	926,786	-1,365	-2,00%	5,500	926,676	6,507	926,005
347	+	10,000	925,094	-9,826	926,711	-7,400	-2,00%	925,432	926,859	-1,427	-2,00%	5,500	926,749	6,858	925,844
348	+	0,000	925,195	-9,785	926,785	-7,400	-2,00%	925,536	926,933	-1,397	-2,00%	5,500	926,823	6,115	926,413
348	+	10,000	925,313	-9,719	926,858	-7,400	-2,00%	925,655	927,006	-1,351	-2,00%	5,500	926,896	5,977	926,578
349	+	0,000	925,425	-9,660	926,932	-7,400	-2,00%	925,791	927,080	-1,289	-2,00%	5,500	926,970	6,014	926,628
349	+	10,000	925,523	-9,625	927,006	-7,400	-2,00%	926,018	927,154	-1,136	-2,00%	5,500	927,044	6,390	926,450
350	+	0,000	925,861	-9,227	927,079	-7,400	-2,00%	926,482	927,227	-0,745	-2,00%	5,500	927,117	5,560	927,177
350	+	10,000	926,354	-8,598	927,153	-7,400	-2,00%	926,927	927,301	-0,374	-2,00%	5,500	927,191	5,544	927,161
351	+	0,000	926,598	-8,343	927,226	-7,400	-2,00%	927,117	927,374	-0,257	-2,00%	5,500	927,264	5,643	927,408
351	+	10,000	926,614	-8,416	927,292	-7,400	-2,00%	927,118	927,440	-0,322	-2,00%	5,500	927,330	5,730	927,560
352	+	0,000	926,524	-8,624	927,340	-7,400	-2,00%	927,163	927,488	-0,325	-2,00%	5,500	927,378	5,625	927,503
352	+	10,000	926,399	-8,860	927,372	-7,400	-2,00%	926,941	927,520	-0,579	-2,00%	5,500	927,410	5,794	927,704
353	+	0,000	926,506	-8,721	927,387	-7,400	-2,00%	926,760	927,535	-0,775	-2,00%	5,500	927,425	5,883	927,170
353	+	10,000	926,617	-8,552	927,385	-7,400	-2,00%	926,845	927,533	-0,688	-2,00%	5,500	927,423	6,031	927,069
354	+	0,000	926,698	-8,403	927,367	-7,400	-2,00%	926,847	927,515	-0,668	-2,00%	5,500	927,405	5,922	927,124
354	+	10,000	926,705	-8,341	927,332	-7,400	-2,00%	926,864	927,480	-0,616	-2,00%	5,500	927,370	5,942	927,075
355	+	0,000	926,711	-8,253	927,280	-7,400	-2,00%	926,887	927,428	-0,541	-2,00%	5,500	927,318	5,916	927,041
355	+	10,000	926,711	-8,152	927,212	-7,400	-2,00%	926,871	927,360	-0,489	-2,00%	5,500	927,250	5,836	927,026
356	+	0,000	926,673	-8,081	927,127	-7,400	-2,00%	926,797	927,275	-0,478	-2,00%	5,500	927,165	5,825	926,948
356	+	10,000	926,599	-8,038	927,025	-7,400	-2,00%	926,713	927,173	-0,460	-2,00%	5,500	927,063	5,800	926,863
357	+	0,000	926,492	-8,022	926,906	-7,400	-2,00%	926,625	927,054	-0,429	-2,00%	5,500	926,944	5,767	926,766
357	+	10,000	926,360	-8,017	926,771	-7,400	-2,00%	926,516	926,919	-0,403	-2,00%	5,500	926,809	5,737	926,651
358	+	0,000	926,228	-7,986	926,619	-7,400	-2,00%	926,357	926,767	-0,410	-2,00%	5,500	926,657	5,761	926,483



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
358	+	10,000	926,083	-7,950	926,450	-7,400	-2,00%	926,213	926,598	-0,385	-2,00%	5,500	926,488	5,736	926,331
359	+	0,000	925,903	-7,942	926,265	-7,400	-2,00%	926,026	926,413	-0,387	-2,00%	5,500	926,303	5,655	926,199
359	+	10,000	925,719	-7,915	926,062	-7,400	-2,00%	925,832	926,210	-0,378	-2,00%	5,500	926,100	5,502	926,102
360	+	0,000	925,533	-7,866	925,844	-7,400	-2,00%	925,638	925,992	-0,354	-2,00%	5,500	925,882	5,519	925,869
360	+	10,000	925,342	-7,799	925,608	-7,400	-2,00%	925,512	925,756	-0,244	-2,00%	5,500	925,646	5,510	925,656
361	+	0,000	925,111	-7,766	925,356	-7,400	-2,00%	925,337	925,504	-0,167	-2,00%	5,500	925,394	5,845	925,738
361	+	10,000	924,883	-7,705	925,087	-7,400	-2,00%	925,134	925,235	-0,101	-2,00%	5,500	925,125	5,915	925,540
362	+	0,000	924,665	-7,604	924,801	-7,400	-2,00%	924,816	924,949	-0,133	-2,00%	5,500	924,839	5,567	924,906
362	+	10,000	924,430	-7,503	924,499	-7,400	-2,00%	924,527	924,647	-0,120	-2,00%	5,500	924,537	5,582	924,618
363	+	0,000	924,157	-7,434	924,179	-7,400	-2,00%	924,291	924,327	-0,036	-2,00%	5,500	924,217	5,684	924,401
363	+	10,000	923,881	-7,429	923,852	-7,400	-2,00%	923,995	924,000	-0,005	-2,00%	5,500	923,890	5,746	924,136
364	+	0,000	923,592	-7,468	923,524	-7,400	-2,00%	923,720	923,672	0,048	-2,00%	5,500	923,562	5,814	923,876
364	+	10,000	923,278	-7,481	923,197	-7,400	-2,00%	923,409	923,345	0,064	-2,00%	5,500	923,235	5,834	923,569
365	+	0,000	922,970	-7,501	922,869	-7,400	-2,00%	923,092	923,017	0,075	-2,00%	5,500	922,907	5,850	923,258
365	+	10,000	922,644	-7,502	922,542	-7,400	-2,00%	922,767	922,690	0,077	-2,00%	5,500	922,580	5,849	922,929
366	+	0,000	922,326	-7,511	922,214	-7,400	-2,00%	922,447	922,362	0,085	-2,00%	5,500	922,252	5,848	922,600
366	+	10,000	921,984	-7,497	921,887	-7,400	-2,00%	922,096	922,035	0,061	-2,00%	5,500	921,925	5,822	922,247
367	+	0,000	921,632	-7,472	921,559	-7,400	-2,00%	921,749	921,707	0,042	-2,00%	5,500	921,597	5,780	921,877
367	+	10,000	921,254	-7,422	921,232	-7,400	-2,00%	921,355	921,380	-0,025	-2,00%	5,500	921,270	5,707	921,477
368	+	0,000	920,863	-7,462	920,904	-7,400	-2,00%	920,968	921,052	-0,084	-2,00%	5,500	920,942	5,607	921,050
368	+	10,000	920,479	-7,547	920,577	-7,400	-2,00%	920,613	920,725	-0,112	-2,00%	5,500	920,615	6,042	921,157
369	+	0,000	920,095	-7,631	920,250	-7,400	-2,00%	920,227	920,398	-0,171	-2,00%	5,500	920,288	5,686	920,473
369	+	10,000	919,726	-7,694	919,922	-7,400	-2,00%	919,849	920,070	-0,221	-2,00%	5,500	919,960	5,551	920,011
370	+	0,000	919,363	-7,748	919,595	-7,400	-2,00%	919,490	919,743	-0,253	-2,00%	5,500	919,633	5,507	919,628
370	+	1.773	919.298	-7.758	919.536	-7.400	-2.00%	919.426	919.684	-0.258	-2.00%	5.500	919.574	5.520	919.561



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
370	+	10,000	918,992	-7,813	919,267	-7,400	-2,00%	919,137	919,415	-0,278	-1,50%	5,500	919,332	5,589	919,273
371	+	0,000	918,607	-7,899	918,940	-7,400	-2,00%	918,760	919,088	-0,328	-0,90%	5,500	919,038	5,664	918,929
371	+	10,000	918,243	-7,954	918,612	-7,400	-2,00%	918,422	918,760	-0,338	-0,29%	5,500	918,744	5,660	918,637
372	+	0,000	917,886	-7,998	918,285	-7,400	-2,00%	918,066	918,433	-0,367	0,32%	5,500	918,450	5,776	918,266
372	+	10,000	917,535	-8,033	917,957	-7,400	-2,00%	917,692	918,105	-0,413	0,92%	5,500	918,156	5,889	917,896
372	+	16,883	917,295	-8,055	917,732	-7,400	-2,00%	917,454	917,880	-0,426	1,34%	5,500	917,953	5,961	917,646
373	+	0,000	917,192	-8,057	917,630	-7,400	-2,00%	917,347	917,778	-0,431	1,53%	5,500	917,862	5,987	917,537
373	+	7,773	916,934	-8,062	917,375	-7,400	-2,00%	917,201	917,523	-0,322	2,00%	5,500	917,633	5,850	917,400
373	+	10,000	916,859	-8,064	917,302	-7,400	-2,00%	917,159	917,450	-0,291	2,00%	5,500	917,560	5,630	917,473
374	+	0,000	916,531	-8,065	916,975	-7,400	-2,00%	916,843	917,123	-0,280	2,00%	5,500	917,233	5,619	917,351
374	+	10,000	916,211	-8,053	916,647	-7,400	-2,00%	916,483	916,795	-0,312	2,00%	5,500	916,905	5,914	916,629
375	+	0,000	915,839	-8,122	916,320	-7,400	-2,00%	915,973	916,468	-0,495	2,00%	5,500	916,578	6,186	916,120
375	+	10,000	915,474	-8,177	915,992	-7,400	-2,00%	915,597	916,140	-0,543	2,00%	5,500	916,250	6,234	915,761
376	+	0,000	915,109	-8,234	915,665	-7,400	-2,00%	915,224	915,813	-0,589	2,00%	5,500	915,923	6,303	915,387
376	+	10,000	914,752	-8,278	915,337	-7,400	-2,00%	914,849	915,485	-0,636	2,00%	5,500	915,595	6,374	915,012
377	+	0,000	914,363	-8,370	915,010	-7,400	-2,00%	914,482	915,158	-0,676	2,00%	5,500	915,268	6,440	914,641
377	+	10,000	913,952	-8,496	914,682	-7,400	-2,00%	914,114	914,830	-0,716	2,00%	5,500	914,940	6,515	914,264
377	+	19,136	913,599	-8,575	914,383	-7,400	-2,00%	913,743	914,531	-0,788	2,00%	5,500	914,641	6,495	913,978
378	+	0,000	913,571	-8,582	914,359	-7,400	-1,95%	913,708	914,503	-0,795	1,95%	5,500	914,610	6,535	913,919
378	+	10,000	913,225	-8,677	914,076	-7,400	-1,34%	913,337	914,175	-0,838	1,34%	5,500	914,249	6,698	913,450
379	+	0,000	912,888	-8,758	913,793	-7,400	-0,74%	913,001	913,848	-0,847	0,74%	5,500	913,888	6,705	913,085
379	+	10,000	912,540	-8,857	913,511	-7,400	-0,13%	912,665	913,520	-0,855	0,13%	5,500	913,527	6,666	912,750
379	+	12,135	912,458	-8,888	913,450	-7,400	0,00%	912,593	913,450	-0,857	0,00%	5,500	913,450	6,658	912,678
379	+	12,137	912,458	-8,888	913,450	-7,400	0,00%	912,593	913,450	-0,857	0,00%	5,500	913,450	6,658	912,678
380	+	0,000	912,175	-8,979	913,228	-7,400	0,48%	912,369	913,193	-0,824	-0,48%	5,500	913,166	6,474	912,517



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
380 +	10,000	911,870	-9,028	912,955	-7,400	1,08%	912,114	912,875	-0,761	-1,08%	5,500	912,815	6,363	912,240
381 +	0,000	911,598	-9,055	912,701	-7,400	1,69%	911,803	912,576	-0,773	-1,69%	5,500	912,483	6,362	911,908
381 +	5,136	911,490	-9,033	912,578	-7,400	2,00%	911,636	912,430	-0,794	-2,00%	5,500	912,320	6,367	911,742
381 +	10,000	911,366	-9,018	912,445	-7,400	2,00%	911,503	912,297	-0,794	-2,00%	5,500	912,187	6,359	911,614
382 +	0,000	911,099	-9,028	912,185	-7,400	2,00%	911,246	912,037	-0,791	-2,00%	5,500	911,927	6,362	911,352
382 +	10,000	910,851	-9,039	911,944	-7,400	2,00%	910,989	911,796	-0,807	-2,00%	5,500	911,686	6,384	911,096
383 +	0,000	910,613	-9,064	911,722	-7,400	2,00%	910,740	911,574	-0,834	-2,00%	5,500	911,464	6,434	910,842
383 +	10,000	910,387	-9,100	911,520	-7,400	2,00%	910,502	911,372	-0,870	-2,00%	5,500	911,262	6,507	910,590
384 +	0,000	910,160	-9,164	911,337	-7,400	2,00%	910,284	911,189	-0,905	-2,00%	5,500	911,079	6,577	910,360
384 +	10,000	909,944	-9,228	911,163	-7,400	2,00%	910,077	911,015	-0,938	-2,00%	5,500	910,905	6,624	910,156
385 +	0,000	909,737	-9,280	910,990	-7,400	2,00%	909,888	910,842	-0,954	-2,00%	5,500	910,732	6,663	909,956
385 +	10,000	909,538	-9,318	910,816	-7,400	2,00%	909,699	910,668	-0,969	-2,00%	5,500	910,558	6,706	909,754
386 +	0,000	909,403	-9,259	910,643	-7,400	2,00%	909,528	910,495	-0,967	-2,00%	5,500	910,385	6,714	909,575
386 +	10,000	909,282	-9,180	910,469	-7,400	2,00%	909,362	910,321	-0,959	-2,00%	5,500	910,211	6,706	909,407
387 +	0,000	909,126	-9,154	910,296	-7,400	2,00%	909,193	910,148	-0,955	-2,00%	5,500	910,038	6,702	909,236
387 +	10,000	908,982	-9,110	910,122	-7,400	2,00%	909,024	909,974	-0,950	-2,00%	5,500	909,864	6,711	909,057
388 +	0,000	908,779	-9,154	909,949	-7,400	2,00%	908,832	909,801	-0,969	-2,00%	5,500	909,691	6,768	908,845
388 +	10,000	908,596	-9,169	909,775	-7,400	2,00%	908,619	909,627	-1,008	-2,00%	5,500	909,517	6,811	908,643
389 +	0,000	908,446	-9,133	909,602	-7,400	2,00%	908,464	909,454	-0,990	-2,00%	5,500	909,344	6,853	908,442
389 +	10,000	908,290	-9,108	909,428	-7,400	2,00%	908,292	909,280	-0,988	-2,00%	5,500	909,170	6,870	908,257
390 +	0,000	908,111	-9,116	909,255	-7,400	2,00%	908,122	909,107	-0,985	-2,00%	5,500	908,997	6,864	908,087
390 +	10,000	907,929	-9,128	909,081	-7,400	2,00%	907,934	908,933	-0,999	-2,00%	5,500	908,823	6,847	907,925
391 +	0,000	907,755	-9,128	908,908	-7,400	2,00%	907,771	908,760	-0,989	-2,00%	5,500	908,650	6,822	907,768
391 +	9,639	907,609	-9,097	908,740	-7,400	2,00%	907,628	908,592	-0,964	-2,00%	5,500	908,482	6,794	907,619
391 +	10,000	907,604	-9,093	908,732	-7,400	1,98%	907,622	908,586	-0,964	-1,98%	5,500	908,477	6,795	907,614



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
392 +	0,000	907,483	-8,947	908,514	-7,400	1,37%	907,486	908,413	-0,927	-1,37%	5,500	908,337	6,746	907,507
392 +	10,000	907,407	-8,763	908,316	-7,400	0,77%	907,420	908,259	-0,839	-0,77%	5,500	908,217	6,639	907,457
393 +	0,000	907,373	-8,577	908,158	-7,400	0,16%	907,379	908,146	-0,767	-0,16%	5,500	908,137	6,592	907,409
393 +	2,638	907,377	-8,518	908,123	-7,400	0,00%	907,374	908,123	-0,749	0,00%	5,500	908,123	6,563	907,414
393 +	2,640	907,377	-8,518	908,122	-7,400	0,00%	907,374	908,122	-0,748	0,00%	5,500	908,122	6,563	907,414
393 +	10,000	907,369	-8,406	908,039	-7,400	-0,45%	907,360	908,072	-0,712	0,45%	5,500	908,097	6,515	907,420
394 +	0,000	907,360	-8,302	907,961	-7,400	-1,05%	907,354	908,039	-0,685	1,05%	5,500	908,097	6,502	907,429
394 +	10,000	907,368	-8,234	907,923	-7,400	-1,66%	907,407	908,046	-0,639	1,66%	5,500	908,137	6,505	907,467
394 +	15,639	907,393	-8,190	907,920	-7,400	-2,00%	907,437	908,068	-0,631	2,00%	5,500	908,178	6,529	907,491
395 +	0,000	907,421	-8,186	907,945	-7,400	-2,00%	907,459	908,093	-0,634	2,00%	5,500	908,203	6,534	907,514
395 +	10,000	907,493	-8,209	908,032	-7,400	-2,00%	907,507	908,180	-0,673	2,00%	5,500	908,290	6,482	907,635
396 +	0,000	907,575	-8,275	908,159	-7,400	-2,00%	907,568	908,307	-0,739	2,00%	5,500	908,417	6,434	907,794
396 +	10,000	907,695	-8,316	908,306	-7,400	-2,00%	907,705	908,454	-0,749	2,00%	5,500	908,564	6,441	907,937
397 +	0,000	907,803	-8,375	908,453	-7,400	-2,00%	907,819	908,601	-0,782	2,00%	5,500	908,711	6,437	908,086
397 +	10,000	907,948	-8,379	908,600	-7,400	-2,00%	907,967	908,748	-0,781	2,00%	5,500	908,858	6,260	908,352
398 +	0,000	908,061	-8,429	908,747	-7,400	-2,00%	908,182	908,895	-0,713	2,00%	5,500	909,005	5,971	908,691
398 +	10,000	908,198	-8,445	908,894	-7,400	-2,00%	908,289	909,042	-0,753	2,00%	5,500	909,152	6,345	908,589
399 +	0,000	908,380	-8,392	909,042	-7,400	-2,00%	908,470	909,190	-0,720	2,00%	5,500	909,300	6,229	908,814
399 +	7,002	908,510	-8,351	909,145	-7,400	-2,00%	908,609	909,293	-0,684	2,00%	5,500	909,403	6,240	908,909
399 +	10,000	908,563	-8,338	909,189	-7,400	-2,00%	908,663	909,337	-0,674	1,82%	5,500	909,437	6,220	908,957
399 +	17,892	908,689	-8,323	909,305	-7,400	-2,00%	908,790	909,453	-0,663	1,34%	5,500	909,526	6,159	909,087
400 +	0,000	908,723	-8,319	909,336	-7,400	-2,00%	908,823	909,484	-0,661	1,21%	5,500	909,550	6,145	909,120
400 +	10,000	908,882	-8,302	909,483	-7,400	-2,00%	908,981	909,631	-0,650	0,61%	5,500	909,664	6,170	909,217
401 +	0,000	909,039	-8,286	909,630	-7,400	-2,00%	909,140	909,778	-0,638	0,00%	5,500	909,778	5,864	909,536
401 +	10,000	909,194	-8,274	909,777	-7,400	-2,00%	909,482	909,925	-0,443	-0,61%	5,500	909,892	5,895	909,628



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
402	+	0,000	909,366	-8,238	909,924	-7,400	-2,00%	909,445	910,072	-0,627	-1,21%	5,500	910,005	5,912	909,731
402	+	10,000	909,542	-8,193	910,071	-7,400	-2,00%	909,655	910,219	-0,564	-1,82%	5,500	910,119	5,765	909,942
402	+	13,002	909,595	-8,180	910,115	-7,400	-2,00%	909,721	910,263	-0,542	-2,00%	5,500	910,153	5,721	910,006
403	+	0,000	909,715	-8,154	910,218	-7,400	-2,00%	909,866	910,366	-0,500	-2,00%	5,500	910,256	5,837	910,032
403	+	10,000	909,860	-8,158	910,365	-7,400	-2,00%	910,000	910,513	-0,513	-2,00%	5,500	910,403	5,938	910,111
404	+	0,000	910,001	-8,167	910,512	-7,400	-2,00%	910,131	910,660	-0,529	-2,00%	5,500	910,550	5,752	910,382
404	+	10,000	910,136	-8,162	910,644	-7,400	-2,00%	910,261	910,792	-0,531	-2,00%	5,500	910,682	5,617	910,604
405	+	0,000	910,269	-8,110	910,743	-7,400	-2,00%	910,391	910,891	-0,500	-2,00%	5,500	910,781	5,652	910,679
405	+	10,000	910,398	-8,018	910,810	-7,400	-2,00%	910,543	910,958	-0,415	-2,00%	5,500	910,848	5,693	910,719
406	+	0,000	910,519	-7,890	910,845	-7,400	-2,00%	910,678	910,993	-0,315	-2,00%	5,500	910,883	5,555	910,938
406	+	10,000	910,659	-7,683	910,848	-7,400	-2,00%	910,814	910,996	-0,182	-2,00%	5,500	910,886	5,580	910,966
407	+	0,000	910,799	-7,431	910,819	-7,400	-2,00%	910,948	910,967	-0,019	-2,00%	5,500	910,857	5,733	911,091
407	+	10,000	910,895	-7,536	910,759	-7,400	-2,00%	911,060	910,907	0,153	-2,00%	5,500	910,797	5,915	911,212
408	+	0,000	910,987	-7,721	910,666	-7,400	-2,00%	911,162	910,814	0,348	-2,00%	5,500	910,704	6,040	911,244
408	+	10,000	911,070	-7,929	910,541	-7,400	-2,00%	911,252	910,689	0,563	-2,00%	5,500	910,579	6,309	911,388
409	+	0,000	911,151	-8,166	910,385	-7,400	-2,00%	911,341	910,533	0,808	-2,00%	5,500	910,423	6,558	911,481
409	+	10,000	911,170	-8,374	910,196	-7,400	-2,00%	911,395	910,344	1,051	-2,00%	5,500	910,234	6,752	911,486
410	+	0,000	911,282	-8,707	909,975	-7,400	-2,00%	911,119	910,123	0,996	-2,00%	5,500	910,013	6,273	910,786
410	+	10,000	911,317	-8,994	909,723	-7,400	-2,00%	911,516	909,871	1,645	-2,00%	5,500	909,761	7,200	911,461
410	+	11,193	911,323	-9,033	909,690	-7,400	-2,00%	911,521	909,838	1,683	-2,00%	5,500	909,728	7,215	911,444
411	+	0,000	911,346	-9,268	909,478	-7,400	-1,47%	911,636	909,586	2,050	-2,00%	5,500	909,476	7,399	911,375
411	+	10,000	911,213	-9,407	909,206	-7,400	-0,86%	911,674	909,269	2,405	-2,00%	5,500	909,159	7,765	911,424
412	+	0,000	911,111	-9,609	908,902	-7,400	-0,25%	911,499	908,921	2,578	-2,00%	5,500	908,811	7,887	911,198
412	+	10,000	911,051	-9,885	908,566	-7,400	0,35%	911,135	908,540	2,595	-2,00%	5,500	908,430	7,586	910,516
413	+	0,000	910,982	-10,184	908,199	-7,400	0,96%	911,056	908,128	2,928	-2,00%	5,500	908,018	7,932	910,450



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
413 +	6,303	910,817	-10,267	907,951	-7,400	1,34%	910,990	907,851	3,139	-2,00%	5,500	907,741	8,132	910,373
413 +	10,000	910,719	-10,320	907,799	-7,400	1,56%	910,951	907,683	3,268	-2,00%	5,500	907,573	8,253	910,326
413 +	17,193	910,545	-10,453	907,492	-7,400	2,00%	910,762	907,344	3,418	-2,00%	5,500	907,234	8,316	910,049
414 +	0,000	910,408	-10,453	907,355	-7,400	2,00%	910,615	907,207	3,408	-2,00%	5,500	907,097	8,323	909,920
414 +	10,000	909,877	-10,431	906,846	-7,400	2,00%	910,117	906,698	3,419	-2,00%	5,500	906,588	8,346	909,434
415 +	0,000	909,320	-10,414	906,306	-7,400	2,00%	909,632	906,158	3,474	-2,00%	5,500	906,048	8,335	908,883
415 +	10,000	908,649	-10,315	905,734	-7,400	2,00%	908,975	905,586	3,389	-2,00%	5,500	905,476	8,301	908,277
416 +	0,000	907,893	-10,164	905,129	-7,400	2,00%	907,964	904,981	2,983	-2,00%	5,500	904,871	7,811	907,182
416 +	10,000	906,694	-9,585	904,509	-7,400	2,00%	906,358	904,361	1,997	-2,00%	5,500	904,251	7,446	906,197
417 +	0,000	905,454	-8,966	903,888	-7,400	2,00%	905,089	903,740	1,349	-2,00%	5,500	903,630	6,686	904,816
417 +	10,000	904,139	-8,271	903,268	-7,400	2,00%	903,913	903,120	0,793	-2,00%	5,500	903,010	6,553	904,063
418 +	0,000	902,997	-7,749	902,648	-7,400	2,00%	903,009	902,500	0,509	-2,00%	5,500	902,390	6,582	903,471
418 +	10,000	900,757	-9,305	902,027	-7,400	2,00%	901,558	901,879	-0,321	-2,00%	5,500	901,769	6,072	902,341
419 +	0,000	898,279	-12,092	901,407	-7,400	2,00%	899,130	901,259	-2,129	-2,00%	5,500	901,149	6,452	900,514
419 +	4,845	897,451	-12,890	901,111	-7,400	2,00%	898,665	900,963	-2,298	-2,00%	5,500	900,853	6,524	900,170
419 +	10,000	896,260	-14,184	900,782	-7,400	1,69%	898,332	900,658	-2,326	-2,00%	5,500	900,548	6,541	899,854
419 +	15,735	895,514	-14,773	900,429	-7,400	1,34%	897,780	900,330	-2,550	-2,00%	5,500	900,220	6,563	899,511
420 +	0,000	895,108	-15,000	900,174	-7,400	1,08%	897,219	900,094	-2,875	-2,00%	5,500	899,984	6,886	899,060
420 +	10,000	894,151	-15,581	899,605	-7,400	0,48%	896,439	899,569	-3,130	-2,00%	5,500	899,459	7,096	898,395
421 +	0,000	893,920	-15,129	899,073	-7,400	-0,13%	896,368	899,082	-2,714	-2,00%	5,500	898,972	7,119	897,893
421 +	10,000	893,522	-14,985	898,579	-7,400	-0,74%	895,973	898,634	-2,661	-2,00%	5,500	898,524	7,039	897,498
422 +	0,000	893,066	-14,986	898,124	-7,400	-1,34%	895,281	898,223	-2,942	-2,00%	5,500	898,113	7,123	897,031
422 +	10,000	892,359	-15,422	897,706	-7,400	-1,95%	894,605	897,851	-3,246	-2,00%	5,500	897,741	7,006	896,737
422 +	10,845	892,290	-15,475	897,673	-7,400	-2,00%	894,569	897,821	-3,252	-2,00%	5,500	897,711	7,013	896,702
423 +	0,000	890,795	-17,260	897,368	-7,400	-2,00%	893,983	897,516	-3,533	-2,00%	5,500	897,406	7,272	896,225



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
423 +	10,000	888,488	-20,276	897,072	-7,400	-2,00%	892,950	897,220	-4,270	-2,00%	5,500	897,110	7,801	895,576
424 +	0,000	884,104	-26,464	896,814	-7,400	-2,00%	890,381	896,962	-6,581	-2,00%	5,500	896,852	8,699	894,719
424 +	10,000	883,650	-26,816	896,594	-7,400	-2,00%	889,324	896,742	-7,418	-2,00%	5,500	896,632	8,850	894,399
425 +	0,000	885,627	-23,577	896,412	-7,400	-2,00%	890,419	896,560	-6,141	-2,00%	5,500	896,450	8,350	894,550
425 +	10,000	887,152	-21,075	896,268	-7,400	-2,00%	891,289	896,416	-5,127	-2,00%	5,500	896,306	7,845	894,743
426 +	0,000	888,208	-19,332	896,163	-7,400	-2,00%	891,979	896,311	-4,332	-2,00%	5,500	896,201	7,900	894,601
426 +	10,000	889,780	-16,874	896,096	-7,400	-2,00%	892,550	896,244	-3,694	-2,00%	5,500	896,134	7,874	894,551
427 +	0,000	891,064	-14,903	896,066	-7,400	-2,00%	893,393	896,214	-2,821	-2,00%	5,500	896,104	7,665	894,661
427 +	10,000	891,915	-13,611	896,056	-7,400	-2,00%	893,861	896,204	-2,343	-2,00%	5,500	896,094	7,276	894,910
428 +	0,000	892,526	-12,679	896,046	-7,400	-2,00%	894,359	896,194	-1,835	-2,00%	5,500	896,084	6,700	895,284
428 +	10,000	892,929	-12,060	896,036	-7,400	-2,00%	894,840	896,184	-1,344	-2,00%	5,500	896,074	6,263	895,565
429 +	0,000	893,316	-11,464	896,025	-7,400	-2,00%	894,708	896,173	-1,465	-2,00%	5,500	896,063	6,018	895,718
429 +	10,000	893,126	-11,710	895,999	-7,400	-2,00%	894,539	896,147	-1,608	-2,00%	5,500	896,037	6,578	895,319
430 +	0,000	892,920	-11,932	895,941	-7,400	-2,00%	894,471	896,089	-1,618	-2,00%	5,500	895,979	6,645	895,216
430 +	0,516	892,910	-11,942	895,938	-7,400	-2,00%	894,468	896,086	-1,618	-2,00%	5,500	895,976	6,652	895,207
430 +	10,000	892,101	-13,089	895,894	-7,400	-1,43%	893,999	896,000	-2,001	-2,00%	5,500	895,890	6,917	894,945
431 +	0,000	891,185	-14,349	895,818	-7,400	-0,82%	893,270	895,878	-2,608	-2,00%	5,500	895,768	7,292	894,573
431 +	10,000	890,113	-15,794	895,709	-7,400	-0,21%	892,650	895,725	-3,075	-2,00%	5,500	895,615	7,274	894,433
432 +	0,000	888,653	-17,773	895,569	-7,400	0,39%	892,172	895,540	-3,368	-2,00%	5,500	895,430	7,334	894,207
432 +	10,000	889,843	-15,730	895,397	-7,400	1,00%	892,103	895,323	-3,220	-2,00%	5,500	895,213	7,536	893,856
432 +	15,626	890,840	-14,069	895,286	-7,400	1,34%	892,684	895,187	-2,503	-2,00%	5,500	895,077	7,387	893,819
433 +	0,000	891,635	-12,737	895,193	-7,400	1,61%	892,922	895,074	-2,152	-2,00%	5,500	894,964	7,124	893,882
433 +	6,516	892,385	-11,387	895,043	-7,400	2,00%	893,349	894,895	-1,546	-2,00%	5,500	894,785	7,038	893,759
433 +	10,000	892,620	-10,883	894,942	-7,400	2,00%	893,548	894,794	-1,246	-2,00%	5,500	894,684	6,409	894,078
434 +	0,000	893,288	-9,412	894,629	-7,400	2,00%	894,130	894,481	-0,351	-2,00%	5,500	894,371	5,792	894,664



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
434 +	10,000	893,807	-8,118	894,285	-7,400	2,00%	894,566	894,137	0,429	-2,00%	5,500	894,027	6,309	894,837
435 +	0,000	894,039	-7,529	893,909	-7,400	2,00%	894,753	893,761	0,992	-2,00%	5,500	893,651	6,846	894,998
435 +	10,000	894,171	-8,070	893,502	-7,400	2,00%	895,007	893,354	1,653	-2,00%	5,500	893,244	7,204	894,948
436 +	0,000	894,101	-8,438	893,062	-7,400	2,00%	895,055	892,914	2,141	-2,00%	5,500	892,804	6,868	894,172
436 +	10,000	893,861	-8,670	892,591	-7,400	2,00%	894,655	892,443	2,212	-2,00%	5,500	892,333	7,357	894,190
437 +	0,000	893,456	-8,768	892,088	-7,400	2,00%	894,041	891,940	2,101	-2,00%	5,500	891,830	7,273	893,602
437 +	10,000	892,886	-8,733	891,553	-7,400	2,00%	893,679	891,405	2,274	-2,00%	5,500	891,295	7,038	892,833
438 +	0,000	892,169	-8,583	890,986	-7,400	2,00%	892,681	890,838	1,843	-2,00%	5,500	890,728	6,527	891,755
438 +	10,000	890,705	-7,717	890,388	-7,400	2,00%	891,413	890,240	1,173	-2,00%	5,500	890,130	6,586	891,216
439 +	0,000	888,454	-9,356	889,758	-7,400	2,00%	889,869	889,610	0,259	-2,00%	5,500	889,500	5,988	889,988
439 +	10,000	886,164	-11,822	889,111	-7,400	2,00%	888,389	888,963	-0,574	-2,00%	5,500	888,853	5,654	889,008
440 +	0,000	884,383	-13,523	888,465	-7,400	2,00%	887,910	888,317	-0,407	-2,00%	5,500	888,207	6,649	889,357
440 +	10,000	882,778	-14,962	887,819	-7,400	2,00%	886,981	887,671	-0,690	-2,00%	5,500	887,561	6,593	888,654
441 +	0,000	881,165	-16,412	887,173	-7,400	2,00%	886,976	887,025	-0,049	-2,00%	5,500	886,915	6,498	887,912
441 +	10,000	880,786	-16,011	886,527	-7,400	2,00%	886,273	886,379	-0,106	-2,00%	5,500	886,269	6,563	887,332
442 +	0,000	880,833	-14,972	885,881	-7,400	2,00%	885,939	885,733	0,206	-2,00%	5,500	885,623	6,530	886,653
442 +	10,000	881,255	-13,369	885,234	-7,400	2,00%	885,498	885,086	0,412	-2,00%	5,500	884,976	6,504	885,981
443 +	0,000	882,024	-11,246	884,588	-7,400	2,00%	885,009	884,440	0,569	-2,00%	5,500	884,330	6,404	885,234
443 +	10,000	882,721	-9,232	883,942	-7,400	2,00%	884,631	883,794	0,837	-2,00%	5,500	883,684	6,403	884,587
444 +	0,000	882,851	-8,067	883,296	-7,400	2,00%	884,095	883,148	0,947	-2,00%	5,500	883,038	6,416	883,954
444 +	10,000	882,917	-7,667	882,650	-7,400	2,00%	883,457	882,502	0,955	-2,00%	5,500	882,392	6,437	883,329
445 +	0,000	882,550	-7,946	882,004	-7,400	2,00%	882,623	881,856	0,767	-2,00%	5,500	881,746	6,636	882,881
445 +	10,000	882,230	-8,273	881,357	-7,400	2,00%	882,193	881,209	0,984	-2,00%	5,500	881,099	6,345	881,944
446 +	0,000	881,786	-8,474	880,711	-7,400	2,00%	881,319	880,563	0,756	-2,00%	5,500	880,453	6,172	881,125
446 +	4.496	881.550	-8.530	880.421	-7.400	2.00%	881.101	880.273	0.828	-2.00%	5.500	880.163	6.238	880.900



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
446	+	10,000	881,205	-8,565	880,040	-7,400	1,67%	880,846	879,917	0,929	-1,67%	5,500	879,825	6,213	880,539
446	+	15,386	880,859	-8,591	879,668	-7,400	1,34%	880,396	879,569	0,827	-1,34%	5,500	879,495	5,941	879,936
447	+	0,000	880,519	-8,569	879,349	-7,400	1,06%	880,098	879,271	0,827	-1,06%	5,500	879,213	5,919	879,631
447	+	10,000	879,712	-8,454	878,658	-7,400	0,45%	879,542	878,625	0,917	-0,45%	5,500	878,600	5,958	879,058
448	+	0,000	878,951	-8,384	877,967	-7,400	-0,15%	878,724	877,978	0,746	0,15%	5,500	877,987	5,813	878,299
448	+	10,000	878,928	-9,051	877,276	-7,400	-0,76%	878,228	877,332	0,896	0,76%	5,500	877,374	5,787	877,661
449	+	0,000	877,590	-8,404	876,585	-7,400	-1,36%	877,482	876,686	0,796	1,36%	5,500	876,761	5,739	877,000
449	+	10,000	876,711	-8,217	875,894	-7,400	-1,97%	876,784	876,040	0,744	1,97%	5,500	876,148	5,577	876,225
449	+	10,496	876,665	-8,205	875,860	-7,400	-2,00%	876,753	876,008	0,745	2,00%	5,500	876,118	5,576	876,193
450	+	0,000	876,399	-8,553	875,246	-7,400	-2,00%	875,862	875,394	0,468	2,00%	5,500	875,504	5,567	875,571
450	+	10,000	875,053	-7,853	874,600	-7,400	-2,00%	875,451	874,748	0,703	2,00%	5,500	874,858	6,052	875,410
451	+	0,000	874,360	-7,806	873,953	-7,400	-2,00%	874,824	874,101	0,723	2,00%	5,500	874,211	8,152	876,863
451	+	10,000	873,424	-7,504	873,320	-7,400	-2,00%	874,495	873,468	1,027	2,00%	5,500	873,578	6,784	874,862
452	+	0,000	873,055	-7,743	872,712	-7,400	-2,00%	874,038	872,860	1,178	2,00%	5,500	872,970	8,070	875,540
452	+	10,000	872,578	-7,849	872,130	-7,400	-2,00%	872,721	872,278	0,443	2,00%	5,500	872,388	6,298	873,185
453	+	0,000	871,791	-7,618	871,573	-7,400	-2,00%	871,770	871,721	0,049	2,00%	5,500	871,831	6,096	872,426
453	+	10,000	871,108	-7,467	871,041	-7,400	-2,00%	871,941	871,189	0,752	2,00%	5,500	871,299	6,739	872,539
454	+	0,000	870,186	-7,924	870,535	-7,400	-2,00%	870,878	870,683	0,195	2,00%	5,500	870,793	7,295	872,588
454	+	10,000	869,696	-7,939	870,055	-7,400	-2,00%	870,036	870,203	-0,167	2,00%	5,500	870,313	5,960	870,006
455	+	0,000	868,884	-8,474	869,600	-7,400	-2,00%	869,767	869,748	0,019	2,00%	5,500	869,858	6,013	869,516
455	+	10,000	868,704	-8,099	869,170	-7,400	-2,00%	869,341	869,318	0,023	2,00%	5,500	869,428	6,365	870,294
456	+	0,000	868,267	-8,192	868,795	-7,400	-2,00%	869,005	868,943	0,062	2,00%	5,500	869,053	5,649	868,954
456	+	10,000	868,277	-7,738	868,502	-7,400	-2,00%	868,658	868,650	0,008	2,00%	5,500	868,760	5,500	868,760
457	+	0,000	867,690	-8,303	868,292	-7,400	-2,00%	868,522	868,440	0,082	2,00%	5,500	868,550	5,646	868,696
457	+	10,000	868,245	-7,481	868,164	-7,400	-2,00%	868,562	868,312	0,250	2,00%	5,500	868,422	5,667	868,590



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
458 +	0,000	867,129	-8,886	868,119	-7,400	-2,00%	868,240	868,267	-0,027	2,00%	5,500	868,377	5,693	868,248
458 +	10,000	863,958	-13,636	868,116	-7,400	-2,00%	863,323	868,264	-4,941	2,00%	5,500	868,374	13,102	863,306
459 +	0,000	866,769	-9,414	868,112	-7,400	-2,00%	866,879	868,260	-1,381	2,00%	5,500	868,370	8,119	866,624
459 +	10,000	867,502	-8,309	868,108	-7,400	-2,00%	868,505	868,256	0,249	2,00%	5,500	868,366	5,522	868,388
460 +	0,000	867,683	-8,032	868,104	-7,400	-2,00%	868,435	868,252	0,183	2,00%	5,500	868,362	5,944	868,067
460 +	10,000	868,124	-7,424	868,101	-7,400	-2,00%	868,492	868,249	0,243	2,00%	5,500	868,359	5,749	868,193
461 +	0,000	868,089	-7,435	868,112	-7,400	-2,00%	868,575	868,260	0,315	2,00%	5,500	868,370	5,610	868,297
461 +	10,000	868,217	-7,463	868,154	-7,400	-2,00%	868,748	868,302	0,446	2,00%	5,500	868,412	5,549	868,461
462 +	0,000	867,859	-7,950	868,226	-7,400	-2,00%	868,824	868,374	0,450	2,00%	5,500	868,484	5,527	868,511
462 +	10,000	868,619	-7,691	868,328	-7,400	-2,00%	869,025	868,476	0,549	2,00%	5,500	868,586	5,678	868,764
463 +	0,000	868,615	-7,554	868,461	-7,400	-2,00%	869,093	868,609	0,484	2,00%	5,500	868,719	5,570	868,790
463 +	10,000	868,574	-7,475	868,624	-7,400	-2,00%	869,239	868,772	0,467	2,00%	5,500	868,882	5,629	869,011
464 +	0,000	868,758	-7,489	868,818	-7,400	-2,00%	869,446	868,966	0,480	2,00%	5,500	869,076	5,565	869,141
464 +	10,000	869,345	-7,703	869,042	-7,400	-2,00%	869,398	869,190	0,208	2,00%	5,500	869,300	5,580	869,246
465 +	0,000	869,675	-7,779	869,296	-7,400	-2,00%	869,912	869,444	0,468	2,00%	5,500	869,554	5,559	869,514
465 +	10,000	869,981	-7,801	869,580	-7,400	-2,00%	870,197	869,728	0,469	2,00%	5,500	869,838	5,620	869,958
466 +	0,000	870,315	-7,820	869,895	-7,400	-2,00%	870,520	870,043	0,477	2,00%	5,500	870,153	5,639	870,292
466 +	10,000	870,657	-7,817	870,240	-7,400	-2,00%	870,771	870,388	0,383	2,00%	5,500	870,498	5,559	870,557
467 +	0,000	871,159	-7,943	870,616	-7,400	-2,00%	871,337	870,764	0,573	2,00%	5,500	870,874	5,733	871,107
467 +	10,000	871,822	-8,200	871,022	-7,400	-2,00%	871,769	871,170	0,599	2,00%	5,500	871,280	5,748	871,528
468 +	0,000	871,999	-7,957	871,443	-7,400	-2,00%	872,280	871,591	0,689	2,00%	5,500	871,701	5,747	871,948
468 +	10,000	872,633	-8,169	871,864	-7,400	-2,00%	872,683	872,012	0,671	2,00%	5,500	872,122	5,758	872,379
469 +	0,000	873,042	-8,158	872,285	-7,400	-2,00%	873,103	872,433	0,670	2,00%	5,500	872,543	5,983	873,026
469 +	10,000	873,356	-8,050	872,706	-7,400	-2,00%	873,542	872,854	0,688	2,00%	5,500	872,964	5,657	873,121
470 +	0,000	873,682	-7,956	873,127	-7,400	-2,00%	873,969	873,275	0,694	2,00%	5,500	873,385	5,664	873,548



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
470	+	10,000	874,054	-7,906	873,548	-7,400	-2,00%	874,370	873,696	0,674	2,00%	5,500	873,806	5,676	873,982
471	+	0,000	874,761	-8,192	873,969	-7,400	-2,00%	874,639	874,117	0,522	2,00%	5,500	874,227	5,780	874,506
471	+	10,000	875,171	-8,181	874,390	-7,400	-2,00%	875,001	874,538	0,463	2,00%	5,500	874,648	5,681	874,829
472	+	0,000	875,504	-8,093	874,811	-7,400	-2,00%	875,288	874,959	0,329	2,00%	5,500	875,069	5,515	875,084
472	+	10,000	875,930	-8,098	875,232	-7,400	-2,00%	875,880	875,380	0,500	2,00%	5,500	875,490	5,649	875,639
473	+	0,000	876,293	-8,040	875,653	-7,400	-2,00%	876,335	875,801	0,534	2,00%	5,500	875,911	5,717	876,128
473	+	10,000	876,633	-7,968	876,064	-7,400	-2,00%	876,826	876,212	0,614	2,00%	5,500	876,322	5,576	876,399
474	+	0,000	877,044	-7,987	876,456	-7,400	-2,00%	876,955	876,604	0,351	2,00%	5,500	876,714	5,551	876,765
474	+	10,000	877,340	-7,910	876,829	-7,400	-2,00%	877,510	876,977	0,533	2,00%	5,500	877,087	5,763	877,350
475	+	0,000	877,573	-7,789	877,183	-7,400	-2,00%	877,662	877,331	0,331	2,00%	5,500	877,441	5,630	877,571
475	+	10,000	878,090	-7,972	877,518	-7,400	-2,00%	878,284	877,666	0,618	2,00%	5,500	877,776	5,897	878,173
476	+	0,000	878,082	-7,649	877,833	-7,400	-2,00%	878,469	877,981	0,488	2,00%	5,500	878,091	5,674	878,266
476	+	10,000	878,569	-7,840	878,129	-7,400	-2,00%	878,913	878,277	0,636	2,00%	5,500	878,387	5,868	878,755
477	+	0,000	878,987	-7,980	878,406	-7,400	-2,00%	879,307	878,554	0,753	2,00%	5,500	878,664	5,866	879,030
477	+	10,000	879,265	-8,001	878,664	-7,400	-2,00%	879,626	878,812	0,814	2,00%	5,500	878,922	5,835	879,257
478	+	0,000	879,406	-7,904	878,903	-7,400	-2,00%	879,628	879,051	0,577	2,00%	5,500	879,161	5,818	879,479
478	+	10,000	879,636	-7,914	879,122	-7,400	-2,00%	879,850	879,270	0,580	2,00%	5,500	879,380	5,902	879,782
479	+	0,000	879,905	-7,982	879,322	-7,400	-2,00%	880,283	879,470	0,813	2,00%	5,500	879,580	6,159	880,239
479	+	10,000	880,180	-8,068	879,513	-7,400	-2,00%	880,437	879,661	0,776	2,00%	5,500	879,771	6,182	880,453
480	+	0,000	880,588	-8,285	879,703	-7,400	-2,00%	880,764	879,851	0,913	2,00%	5,500	879,961	5,958	880,419
480	+	10,000	880,848	-8,355	879,894	-7,400	-2,00%	881,023	880,042	0,981	2,00%	5,500	880,152	6,024	880,676
481	+	0,000	880,617	-7,933	880,084	-7,400	-2,00%	880,889	880,232	0,657	2,00%	5,500	880,342	5,828	880,670
481	+	10,000	880,852	-7,978	880,275	-7,400	-2,00%	881,317	880,423	0,894	2,00%	5,500	880,533	5,794	880,827
482	+	0,000	881,037	-7,972	880,465	-7,400	-2,00%	881,401	880,613	0,788	2,00%	5,500	880,723	6,070	881,294
482	+	10,000	881,408	-8,153	880,656	-7,400	-2,00%	881,615	880,804	0,811	2,00%	5,500	880,914	6,024	881,438



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
483 +	0,000	881,480	-8,033	880,846	-7,400	-2,00%	881,785	880,994	0,791	2,00%	5,500	881,104	6,001	881,605
483 +	10,000	881,787	-8,150	881,037	-7,400	-2,00%	881,860	881,185	0,675	2,00%	5,500	881,295	6,064	881,859
484 +	0,000	882,103	-8,276	881,227	-7,400	-2,00%	882,200	881,375	0,825	2,00%	5,500	881,485	6,142	882,128
484 +	10,000	882,346	-8,328	881,418	-7,400	-2,00%	882,508	881,566	0,942	2,00%	5,500	881,676	6,094	882,269
485 +	0,000	882,565	-8,356	881,608	-7,400	-2,00%	882,626	881,756	0,870	2,00%	5,500	881,866	6,095	882,461
485 +	10,000	882,694	-8,295	881,799	-7,400	-2,00%	882,783	881,947	0,836	2,00%	5,500	882,057	5,997	882,554
486 +	0,000	882,820	-8,231	881,990	-7,400	-2,00%	882,868	882,138	0,730	2,00%	5,500	882,248	5,936	882,684
486 +	10,000	883,232	-8,452	882,180	-7,400	-2,00%	883,211	882,328	0,883	2,00%	5,500	882,438	6,174	883,112
487 +	0,000	883,404	-8,434	882,371	-7,400	-2,00%	883,403	882,519	0,884	2,00%	5,500	882,629	6,183	883,312
487 +	10,000	883,399	-8,238	882,561	-7,400	-2,00%	883,539	882,709	0,830	2,00%	5,500	882,819	6,006	883,325
488 +	0,000	883,537	-8,185	882,752	-7,400	-2,00%	883,810	882,900	0,910	2,00%	5,500	883,010	6,042	883,552
488 +	10,000	883,769	-8,227	882,942	-7,400	-2,00%	884,005	883,090	0,915	2,00%	5,500	883,200	6,145	883,845
489 +	0,000	883,436	-7,703	883,133	-7,400	-2,00%	884,231	883,281	0,950	2,00%	5,500	883,391	6,227	884,117
489 +	10,000	883,568	-7,645	883,323	-7,400	-2,00%	884,419	883,471	0,948	2,00%	5,500	883,581	6,150	884,231
490 +	0,000	883,796	-7,682	883,514	-7,400	-2,00%	884,440	883,662	0,778	2,00%	5,500	883,772	6,322	884,593
490 +	10,000	884,153	-7,849	883,704	-7,400	-2,00%	884,707	883,852	0,855	2,00%	5,500	883,962	6,238	884,700
491 +	0,000	884,405	-7,910	883,895	-7,400	-2,00%	884,667	884,043	0,624	2,00%	5,500	884,153	6,137	884,790
491 +	10,000	884,666	-7,980	884,085	-7,400	-2,00%	885,003	884,233	0,770	2,00%	5,500	884,343	5,943	884,787
492 +	0,000	885,049	-8,173	884,276	-7,400	-2,00%	885,199	884,424	0,775	2,00%	5,500	884,534	5,918	884,952
492 +	10,000	885,184	-8,117	884,466	-7,400	-2,00%	885,535	884,614	0,921	2,00%	5,500	884,724	6,021	885,246
493 +	0,000	884,930	-7,673	884,657	-7,400	-2,00%	885,382	884,805	0,577	2,00%	5,500	884,915	5,866	885,281
493 +	10,000	885,223	-7,776	884,847	-7,400	-2,00%	885,897	884,995	0,902	2,00%	5,500	885,105	5,740	885,346
494 +	0,000	885,338	-7,700	885,038	-7,400	-2,00%	886,004	885,186	0,818	2,00%	5,500	885,296	5,982	885,778
494 +	10,000	885,487	-7,659	885,229	-7,400	-2,00%	886,224	885,377	0,847	2,00%	5,500	885,487	5,796	885,783
495 +	0,000	885,671	-7,652	885,419	-7,400	-2,00%	886,471	885,567	0,904	2,00%	5,500	885,677	5,816	885,993



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
495 +	10,000	885,900	-7,691	885,610	-7,400	-2,00%	886,602	885,758	0,844	2,00%	5,500	885,868	5,861	886,228
496 +	0,000	886,197	-7,797	885,800	-7,400	-2,00%	886,779	885,948	0,831	2,00%	5,500	886,058	5,903	886,462
496 +	10,000	886,497	-7,906	885,991	-7,400	-2,00%	887,133	886,139	0,994	2,00%	5,500	886,249	6,013	886,761
497 +	0,000	886,515	-7,734	886,181	-7,400	-2,00%	887,065	886,329	0,736	2,00%	5,500	886,439	5,841	886,780
497 +	0,270	886,518	-7,732	886,186	-7,400	-2,00%	887,060	886,334	0,726	2,00%	5,500	886,444	5,830	886,774
497 +	10,000	887,058	-8,043	886,415	-7,400	-1,41%	887,514	886,520	0,994	1,41%	5,500	886,597	6,090	887,187
498 +	0,000	887,114	-7,864	886,651	-7,400	-0,80%	887,405	886,710	0,695	0,80%	5,500	886,754	5,822	887,077
498 +	10,000	887,478	-7,992	886,886	-7,400	-0,20%	887,778	886,901	0,877	0,20%	5,500	886,912	5,936	887,348
499 +	0,000	887,513	-7,792	887,121	-7,400	0,41%	887,880	887,091	0,789	-0,41%	5,500	887,069	6,083	887,652
499 +	10,000	887,594	-7,637	887,357	-7,400	1,01%	888,393	887,282	1,111	-1,01%	5,500	887,226	6,142	887,868
499 +	15,380	887,613	-7,530	887,483	-7,400	1,34%	888,204	887,384	0,820	-1,34%	5,500	887,311	6,030	887,841
500 +	0,000	887,673	-7,481	887,592	-7,400	1,62%	888,353	887,472	0,881	-1,62%	5,500	887,383	6,078	887,961
500 +	6,270	888,109	-7,769	887,740	-7,400	2,00%	888,641	887,592	1,049	-2,00%	5,500	887,482	6,343	888,325
500 +	10,000	888,143	-7,732	887,811	-7,400	2,00%	888,771	887,663	1,108	-2,00%	5,500	887,553	6,468	888,521
501 +	0,000	888,219	-7,617	888,001	-7,400	2,00%	888,535	887,853	0,682	-2,00%	5,500	887,743	6,085	888,328
501 +	10,000	887,794	-7,996	888,192	-7,400	2,00%	889,096	888,044	1,052	-2,00%	5,500	887,934	6,487	888,921
502 +	0,000	888,234	-7,622	888,382	-7,400	2,00%	888,969	888,234	0,735	-2,00%	5,500	888,124	6,624	889,248
502 +	10,000	888,417	-7,634	888,573	-7,400	2,00%	889,207	888,425	0,782	-2,00%	5,500	888,315	6,590	889,405
503 +	0,000	888,306	-8,086	888,763	-7,400	2,00%	889,692	888,615	1,077	-2,00%	5,500	888,505	6,280	889,286
503 +	10,000	888,459	-8,143	888,954	-7,400	2,00%	889,758	888,806	0,952	-2,00%	5,500	888,696	6,765	889,961
504 +	0,000	888,588	-8,235	889,145	-7,400	2,00%	889,835	888,997	0,838	-2,00%	5,500	888,887	6,743	890,129
504 +	10,000	888,668	-8,401	889,335	-7,400	2,00%	889,842	889,187	0,655	-2,00%	5,500	889,077	6,788	890,365
505 +	0,000	888,955	-8,255	889,526	-7,400	2,00%	890,052	889,378	0,674	-2,00%	5,500	889,268	6,773	890,541
505 +	10,000	889,347	-7,954	889,716	-7,400	2,00%	890,125	889,568	0,557	-2,00%	5,500	889,458	6,912	890,870
506 +	0,000	889,598	-7,864	889,907	-7,400	2,00%	890,231	889,759	0,472	-2,00%	5,500	889,649	6,924	891,073



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
506	+	10,000	889,845	-7,779	890,097	-7,400	2,00%	890,565	889,949	0,616	-2,00%	5,500	889,839	6,935	891,274
507	+	0,000	890,043	-7,767	890,288	-7,400	2,00%	890,823	890,140	0,683	-2,00%	5,500	890,030	6,936	891,466
507	+	10,000	890,145	-7,916	890,489	-7,400	2,00%	890,833	890,341	0,492	-2,00%	5,500	890,231	7,029	891,760
508	+	0,000	890,215	-8,147	890,713	-7,400	2,00%	890,963	890,565	0,398	-2,00%	5,500	890,455	6,897	891,852
508	+	10,000	890,869	-7,535	890,959	-7,400	2,00%	891,634	890,811	0,823	-2,00%	5,500	890,701	7,126	892,327
509	+	0,000	891,046	-7,671	891,226	-7,400	2,00%	891,809	891,078	0,731	-2,00%	5,500	890,968	7,056	892,524
509	+	10,000	891,235	-7,804	891,505	-7,400	2,00%	892,010	891,357	0,653	-2,00%	5,500	891,247	6,916	892,663
510	+	0,000	891,535	-7,773	891,784	-7,400	2,00%	891,806	891,636	0,170	-2,00%	5,500	891,526	6,890	892,916
510	+	10,000	891,829	-7,750	892,062	-7,400	2,00%	892,263	891,914	0,349	-2,00%	5,500	891,804	6,747	893,051
511	+	0,000	892,124	-7,726	892,341	-7,400	2,00%	892,197	892,193	0,004	-2,00%	5,500	892,083	6,407	892,990
511	+	10,000	892,442	-7,666	892,620	-7,400	2,00%	892,345	892,472	-0,127	-2,00%	5,500	892,362	6,360	893,222
512	+	0,000	892,682	-7,725	892,899	-7,400	2,00%	892,659	892,751	-0,092	-2,00%	5,500	892,641	6,190	893,331
512	+	10,000	892,966	-7,717	893,177	-7,400	2,00%	892,957	893,029	-0,072	-2,00%	5,500	892,919	6,287	893,706
513	+	0,000	893,215	-7,762	893,456	-7,400	2,00%	893,183	893,308	-0,125	-2,00%	5,500	893,198	6,024	893,722
513	+	10,000	893,485	-7,774	893,735	-7,400	2,00%	893,437	893,587	-0,150	-2,00%	5,500	893,477	5,996	893,972
514	+	0,000	893,825	-7,683	894,013	-7,400	2,00%	893,595	893,865	-0,270	-2,00%	5,500	893,755	6,072	894,327
514	+	10,000	894,264	-7,442	894,292	-7,400	2,00%	894,250	894,144	0,106	-2,00%	5,500	894,034	6,226	894,760
515	+	0,000	894,801	-7,630	894,571	-7,400	2,00%	894,723	894,423	0,300	-2,00%	5,500	894,313	6,124	894,936
515	+	10,000	894,969	-7,520	894,850	-7,400	2,00%	894,753	894,702	0,051	-2,00%	5,500	894,592	5,948	895,040
515	+	12,332	894,986	-7,471	894,915	-7,400	2,00%	894,756	894,767	-0,011	-2,00%	5,500	894,657	5,867	895,024
516	+	0,000	895,055	-7,458	895,094	-7,400	1,54%	894,914	894,980	-0,066	-2,00%	5,500	894,870	5,608	894,979
516	+	3,222	895,126	-7,464	895,169	-7,400	1,34%	894,986	895,070	-0,084	-2,00%	5,500	894,960	5,745	895,205
516	+	10,000	895,263	-7,497	895,328	-7,400	0,93%	895,250	895,259	-0,009	-2,00%	5,500	895,149	6,019	895,668
517	+	0,000	895,466	-7,544	895,562	-7,400	0,32%	895,579	895,538	0,041	-2,00%	5,500	895,428	6,073	896,001
517	+	10,000	895,685	-7,566	895,796	-7,400	-0,28%	895,835	895,817	0,018	-2,00%	5,500	895,707	5,542	895,749



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
518 +	0,000	896,039	-7,410	896,029	-7,400	-0,89%	896,067	896,095	-0,028	-2,00%	5,500	895,985	5,986	896,472
518 +	10,000	896,354	-7,491	896,263	-7,400	-1,50%	896,383	896,374	0,009	-2,00%	5,500	896,264	6,038	896,802
518 +	18,332	896,539	-7,481	896,458	-7,400	-2,00%	896,624	896,606	0,018	-2,00%	5,500	896,496	6,077	897,073
519 +	0,000	896,576	-7,471	896,505	-7,400	-2,00%	896,672	896,653	0,019	-2,00%	5,500	896,543	6,079	897,121
519 +	10,000	896,798	-7,415	896,783	-7,400	-2,00%	896,961	896,931	0,030	-2,00%	5,500	896,821	5,865	897,186
520 +	0,000	897,051	-7,417	897,062	-7,400	-2,00%	897,250	897,210	0,040	-2,00%	5,500	897,100	5,684	897,284
520 +	10,000	897,389	-7,448	897,341	-7,400	-2,00%	897,551	897,489	0,062	-2,00%	5,500	897,379	6,079	897,958
521 +	0,000	897,761	-7,541	897,620	-7,400	-2,00%	897,853	897,768	0,085	-2,00%	5,500	897,658	6,104	898,261
521 +	10,000	898,115	-7,617	897,898	-7,400	-2,00%	898,042	898,046	-0,004	-2,00%	5,500	897,936	6,067	898,503
522 +	0,000	898,352	-7,575	898,177	-7,400	-2,00%	898,308	898,325	-0,017	-2,00%	5,500	898,215	5,627	898,342
522 +	10,000	898,585	-7,529	898,456	-7,400	-2,00%	898,575	898,604	-0,029	-2,00%	5,500	898,494	5,773	898,311
523 +	0,000	898,876	-7,542	898,734	-7,400	-2,00%	898,850	898,882	-0,032	-2,00%	5,500	898,772	5,797	899,070
523 +	10,000	899,178	-7,565	899,013	-7,400	-2,00%	899,126	899,161	-0,035	-2,00%	5,500	899,051	5,839	899,390
523 +	15,196	899,335	-7,577	899,158	-7,400	-2,00%	899,367	899,306	0,061	-2,00%	5,500	899,196	5,545	899,241
524 +	0,000	899,461	-7,569	899,292	-7,400	-2,00%	899,402	899,440	-0,038	-1,71%	5,500	899,346	5,502	899,347
524 +	10,000	899,717	-7,547	899,571	-7,400	-2,00%	899,630	899,719	-0,089	-1,10%	5,500	899,658	5,554	899,622
525 +	0,000	899,984	-7,535	899,849	-7,400	-2,00%	899,931	899,997	-0,066	-0,50%	5,500	899,970	5,569	899,924
525 +	10,000	900,348	-7,620	900,128	-7,400	-2,00%	900,292	900,276	0,016	0,11%	5,500	900,282	5,536	900,318
526 +	0,000	900,722	-7,716	900,407	-7,400	-2,00%	900,654	900,555	0,099	0,72%	5,500	900,594	5,629	900,724
526 +	10,000	901,034	-7,749	900,686	-7,400	-2,00%	901,092	900,834	0,258	1,32%	5,500	900,906	5,955	901,361
526 +	10,306	901,043	-7,749	900,694	-7,400	-2,00%	901,101	900,842	0,259	1,34%	5,500	900,916	5,969	901,385
527 +	0,000	901,311	-7,747	900,964	-7,400	-2,00%	901,388	901,112	0,276	1,93%	5,500	901,218	6,017	901,735
527 +	1,196	901,344	-7,747	900,998	-7,400	-2,00%	901,423	901,146	0,277	2,00%	5,500	901,256	6,015	901,770
527 +	10,000	901,589	-7,746	901,243	-7,400	-2,00%	901,555	901,391	0,164	2,00%	5,500	901,501	5,509	901,510
528 +	0,000	901,877	-7,755	901,522	-7,400	-2,00%	901,896	901,670	0,226	2,00%	5,500	901,780	5,853	902,133



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
528	+	10,000	902,218	-7,818	901,800	-7,400	-2,00%	902,364	901,948	0,416	2,00%	5,500	902,058	5,818	902,376
529	+	0,000	902,465	-7,786	902,079	-7,400	-2,00%	902,528	902,227	0,301	2,00%	5,500	902,337	5,987	902,824
529	+	10,000	902,539	-7,581	902,358	-7,400	-2,00%	902,746	902,506	0,240	2,00%	5,500	902,616	5,767	902,883
530	+	0,000	902,315	-7,883	902,637	-7,400	-2,00%	902,998	902,785	0,213	2,00%	5,500	902,895	5,585	902,979
530	+	10,000	902,057	-8,687	902,915	-7,400	-2,00%	903,269	903,063	0,206	2,00%	5,500	903,173	5,574	903,124
531	+	0,000	901,820	-9,461	903,194	-7,400	-2,00%	903,395	903,342	0,053	2,00%	5,500	903,452	5,751	903,285
531	+	10,000	902,973	-8,150	903,473	-7,400	-2,00%	903,678	903,621	0,057	2,00%	5,500	903,731	5,604	903,661
531	+	12,559	903,429	-7,573	903,544	-7,400	-2,00%	903,754	903,692	0,062	2,00%	5,500	903,802	5,541	903,775
532	+	0,000	903,621	-7,646	903,785	-7,400	-1,55%	903,979	903,900	0,079	1,55%	5,500	903,985	5,627	904,112
532	+	10,000	904,070	-7,449	904,103	-7,400	-0,94%	904,258	904,172	0,086	0,94%	5,500	904,224	5,561	904,286
533	+	0,000	904,342	-7,500	904,408	-7,400	-0,34%	904,390	904,433	-0,043	0,34%	5,500	904,452	5,519	904,470
533	+	5,558	904,345	-7,743	904,573	-7,400	0,00%	904,417	904,573	-0,156	0,00%	5,500	904,573	5,576	904,523
533	+	5,560	904,345	-7,743	904,573	-7,400	0,00%	904,417	904,573	-0,156	0,00%	5,500	904,573	5,576	904,523
533	+	10,000	904,314	-7,982	904,702	-7,400	0,27%	904,473	904,682	-0,209	-0,27%	5,500	904,668	5,528	904,696
534	+	0,000	904,242	-8,514	904,984	-7,400	0,88%	904,603	904,920	-0,317	-0,88%	5,500	904,871	5,657	905,028
534	+	10,000	904,262	-8,889	905,255	-7,400	1,48%	904,590	905,145	-0,555	-1,48%	5,500	905,063	5,559	905,122
534	+	18,559	904,428	-8,973	905,476	-7,400	2,00%	904,477	905,328	-0,851	-2,00%	5,500	905,218	5,735	905,062
535	+	0,000	904,455	-8,977	905,506	-7,400	2,00%	904,467	905,358	-0,891	-2,00%	5,500	905,248	5,802	905,047
535	+	10,000	904,364	-9,416	905,708	-7,400	2,00%	904,488	905,560	-1,072	-2,00%	5,500	905,450	6,262	904,942
536	+	0,000	904,393	-9,657	905,898	-7,400	2,00%	904,535	905,750	-1,215	-2,00%	5,500	905,640	6,715	904,830
536	+	10,000	904,280	-10,102	906,082	-7,400	2,00%	904,437	905,934	-1,497	-2,00%	5,500	905,824	7,255	904,654
537	+	0,000	904,536	-9,995	906,266	-7,400	2,00%	904,169	906,118	-1,949	-2,00%	5,500	906,008	7,662	904,566
537	+	10,000	905,752	-8,447	906,449	-7,400	2,00%	905,516	906,301	-0,785	-2,00%	5,500	906,191	5,927	905,907
538	+	0,000	907,002	-7,769	906,633	-7,400	2,00%	907,142	906,485	0,657	-2,00%	5,500	906,375	6,380	907,255
538	+	10,000	906,813	-7,406	906,817	-7,400	2,00%	907,003	906,669	0,334	-2,00%	5,500	906,559	6,419	907,478



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
539 +	0,000	906,609	-7,989	907,001	-7,400	2,00%	906,619	906,853	-0,234	-2,00%	5,500	906,743	6,009	907,251
539 +	10,000	906,993	-7,687	907,185	-7,400	2,00%	906,890	907,037	-0,147	-2,00%	5,500	906,927	6,146	907,573
540 +	0,000	907,224	-7,617	907,369	-7,400	2,00%	906,913	907,221	-0,308	-2,00%	5,500	907,111	5,784	907,395
540 +	10,000	907,320	-7,748	907,552	-7,400	2,00%	906,962	907,404	-0,442	-2,00%	5,500	907,294	5,676	907,177
541 +	0,000	907,858	-7,521	907,736	-7,400	2,00%	907,205	907,588	-0,383	-2,00%	5,500	907,478	5,976	907,161
541 +	10,000	907,355	-8,268	907,934	-7,400	2,00%	907,290	907,786	-0,496	-2,00%	5,500	907,676	6,087	907,285
542 +	0,000	907,698	-8,090	908,158	-7,400	2,00%	907,701	908,010	-0,309	-2,00%	5,500	907,900	5,706	907,763
542 +	10,000	908,927	-7,918	908,410	-7,400	2,00%	908,457	908,262	0,195	-2,00%	5,500	908,152	6,380	909,032
543 +	0,000	909,156	-7,868	908,688	-7,400	2,00%	909,366	908,540	0,826	-2,00%	5,500	908,430	6,361	909,292
543 +	10,000	908,737	-7,785	908,994	-7,400	2,00%	909,099	908,846	0,253	-2,00%	5,500	908,736	6,372	909,608
544 +	0,000	908,789	-8,207	909,327	-7,400	2,00%	909,233	909,179	0,054	-2,00%	5,500	909,069	6,519	910,088
544 +	10,000	909,309	-7,967	909,687	-7,400	2,00%	909,571	909,539	0,032	-2,00%	5,500	909,429	6,544	910,473
545 +	0,000	909,697	-7,965	910,074	-7,400	2,00%	910,113	909,926	0,187	-2,00%	5,500	909,816	6,527	910,843
545 +	3,063	909,898	-7,849	910,197	-7,400	2,00%	910,258	910,049	0,209	-2,00%	5,500	909,939	6,519	910,958
545 +	10,000	910,112	-7,897	910,444	-7,400	1,58%	910,498	910,327	0,171	-1,58%	5,500	910,240	6,385	911,124
546 +	0,000	910,094	-8,457	910,799	-7,400	0,97%	911,128	910,727	0,401	-0,97%	5,500	910,674	6,319	911,493
546 +	10,000	910,406	-8,523	911,155	-7,400	0,37%	911,663	911,128	0,535	-0,37%	5,500	911,108	6,110	911,718
546 +	16,061	910,955	-8,024	911,371	-7,400	0,00%	911,768	911,371	0,397	0,00%	5,500	911,371	5,959	911,830
546 +	16,065	910,955	-8,024	911,371	-7,400	0,00%	911,768	911,371	0,397	0,00%	5,500	911,371	5,959	911,830
547 +	0,000	911,326	-7,677	911,511	-7,400	-0,24%	911,837	911,528	0,309	0,24%	5,500	911,542	5,861	911,903
547 +	10,000	912,257	-7,790	911,867	-7,400	-0,85%	912,000	911,929	0,071	0,85%	5,500	911,975	5,820	912,296
548 +	0,000	912,570	-7,748	912,222	-7,400	-1,45%	912,548	912,330	0,218	1,45%	5,500	912,409	5,803	912,712
548 +	9,063	912,854	-7,710	912,545	-7,400	-2,00%	912,897	912,693	0,204	2,00%	5,500	912,803	5,795	913,097
548 +	10,000	912,884	-7,701	912,582	-7,400	-2,00%	912,931	912,730	0,201	2,00%	5,500	912,840	5,791	913,131
549 +	0,000	913,219	-7,636	912,983	-7,400	-2,00%	913,287	913,131	0,156	2,00%	5,500	913,241	5,753	913,494



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
549 +	10,000	913,565	-7,581	913,383	-7,400	-2,00%	913,652	913,531	0,121	2,00%	5,500	913,641	5,717	913,858
550 +	0,000	913,743	-7,461	913,784	-7,400	-2,00%	914,022	913,932	0,090	2,00%	5,500	914,042	5,527	914,069
550 +	10,000	914,117	-7,502	914,185	-7,400	-2,00%	914,424	914,333	0,091	2,00%	5,500	914,443	5,506	914,448
551 +	0,000	914,441	-7,617	914,585	-7,400	-2,00%	914,775	914,733	0,042	2,00%	5,500	914,843	5,620	914,963
551 +	10,000	914,764	-7,733	914,986	-7,400	-2,00%	915,122	915,134	-0,012	2,00%	5,500	915,244	5,566	915,310
552 +	0,000	915,143	-7,765	915,386	-7,400	-2,00%	915,468	915,534	-0,066	2,00%	5,500	915,644	5,678	915,526
552 +	10,000	915,630	-7,636	915,787	-7,400	-2,00%	915,854	915,935	-0,081	2,00%	5,500	916,045	5,513	916,037
553 +	0,000	916,233	-7,445	916,188	-7,400	-2,00%	916,231	916,336	-0,105	2,00%	5,500	916,446	5,535	916,481
553 +	0,425	916,253	-7,448	916,205	-7,400	-2,00%	916,245	916,353	-0,108	2,00%	5,500	916,463	5,534	916,497
553 +	10,000	916,600	-7,411	916,588	-7,400	-2,00%	916,606	916,736	-0,130	1,42%	5,500	916,814	5,583	916,898
553 +	11,315	916,655	-7,414	916,641	-7,400	-2,00%	916,671	916,789	-0,118	1,34%	5,500	916,863	5,576	916,939
554 +	0,000	917,025	-7,437	916,989	-7,400	-2,00%	917,104	917,137	-0,033	0,81%	5,500	917,182	5,563	917,245
554 +	10,000	917,486	-7,496	917,389	-7,400	-2,00%	917,515	917,537	-0,022	0,21%	5,500	917,549	5,596	917,645
555 +	0,000	917,852	-7,462	917,790	-7,400	-2,00%	917,907	917,938	-0,031	-0,40%	5,500	917,916	5,577	917,993
555 +	10,000	918,114	-7,515	918,191	-7,400	-2,00%	918,289	918,339	-0,050	-1,01%	5,500	918,283	5,635	918,418
556 +	0,000	918,390	-7,702	918,591	-7,400	-2,00%	918,667	918,739	-0,072	-1,61%	5,500	918,651	5,739	918,889
556 +	6,425	918,568	-7,821	918,849	-7,400	-2,00%	918,912	918,997	-0,085	-2,00%	5,500	918,887	5,763	919,149
556 +	10,000	918,709	-7,824	918,992	-7,400	-2,00%	919,069	919,140	-0,071	-2,00%	5,500	919,030	5,733	919,263
557 +	0,000	919,158	-7,752	919,392	-7,400	-2,00%	919,457	919,540	-0,083	-2,00%	5,500	919,430	5,651	919,582
557 +	10,000	919,598	-7,692	919,793	-7,400	-2,00%	919,852	919,941	-0,089	-2,00%	5,500	919,831	5,627	919,958
558 +	0,000	920,115	-7,518	920,194	-7,400	-2,00%	920,308	920,342	-0,034	-2,00%	5,500	920,232	5,732	920,464
558 +	10,000	920,628	-7,434	920,594	-7,400	-2,00%	920,764	920,742	0,022	-2,00%	5,500	920,632	5,865	920,998
559 +	0,000	921,079	-7,484	920,995	-7,400	-2,00%	921,256	921,143	0,113	-2,00%	5,500	921,033	5,815	921,347
559 +	10,000	921,429	-7,434	921,395	-7,400	-2,00%	921,670	921,543	0,127	-2,00%	5,500	921,433	5,834	921,767
560 +	0,000	921,732	-7,496	921,796	-7,400	-2,00%	922,039	921,944	0,095	-2,00%	5,500	921,834	5,874	922,208



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
560	+	10,000	922,073	-7,585	922,196	-7,400	-2,00%	922,446	922,344	0,102	-2,00%	5,500	922,234	5,909	922,643
561	+	0,000	922,306	-7,837	922,597	-7,400	-2,00%	922,860	922,745	0,115	-2,00%	5,500	922,635	6,033	923,168
561	+	10,000	922,779	-7,728	922,998	-7,400	-2,00%	923,087	923,146	-0,059	-2,00%	5,500	923,036	6,000	923,536
562	+	0,000	923,336	-7,494	923,398	-7,400	-2,00%	923,709	923,546	0,163	-2,00%	5,500	923,436	5,861	923,797
562	+	10,000	923,849	-7,450	923,799	-7,400	-2,00%	924,075	923,947	0,128	-2,00%	5,500	923,837	6,106	924,443
563	+	0,000	924,324	-7,525	924,199	-7,400	-2,00%	924,425	924,347	0,078	-2,00%	5,500	924,237	5,891	924,628
563	+	10,000	924,768	-7,568	924,600	-7,400	-2,00%	924,804	924,748	0,056	-2,00%	5,500	924,638	5,826	924,964
564	+	0,000	925,228	-7,628	925,001	-7,400	-2,00%	925,169	925,149	0,020	-2,00%	5,500	925,039	5,963	925,501
564	+	10,000	925,706	-7,705	925,401	-7,400	-2,00%	925,628	925,549	0,079	-2,00%	5,500	925,439	5,866	925,805
565	+	0,000	926,265	-7,863	925,802	-7,400	-2,00%	926,203	925,950	0,253	-2,00%	5,500	925,840	6,106	926,446
565	+	10,000	926,723	-7,921	926,202	-7,400	-2,00%	926,676	926,350	0,326	-2,00%	5,500	926,240	6,141	926,881
566	+	0,000	926,801	-7,598	926,603	-7,400	-2,00%	926,923	926,751	0,172	-2,00%	5,500	926,641	6,181	927,322
566	+	10,000	927,522	-7,918	927,004	-7,400	-2,00%	927,335	927,152	0,183	-2,00%	5,500	927,042	6,002	927,543
567	+	0,000	928,001	-7,997	927,404	-7,400	-2,00%	928,188	927,552	0,636	-2,00%	5,500	927,442	6,522	928,464
567	+	10,000	927,073	-8,497	927,805	-7,400	-2,00%	928,252	927,953	0,299	-2,00%	5,500	927,843	6,315	928,658
568	+	0,000	927,401	-8,607	928,205	-7,400	-2,00%	928,205	928,353	-0,148	-2,00%	5,500	928,243	6,059	928,803
568	+	10,000	927,754	-8,679	928,606	-7,400	-2,00%	928,383	928,754	-0,371	-2,00%	5,500	928,644	5,709	928,853
569	+	0,000	928,575	-8,047	929,007	-7,400	-2,00%	929,132	929,155	-0,023	-2,00%	5,500	929,045	5,689	929,234
569	+	10,000	929,505	-7,498	929,407	-7,400	-2,00%	929,867	929,555	0,312	-2,00%	5,500	929,445	5,875	929,820
570	+	0,000	930,064	-7,656	929,808	-7,400	-2,00%	930,228	929,956	0,272	-2,00%	5,500	929,846	5,990	930,336
570	+	10,000	930,437	-7,629	930,208	-7,400	-2,00%	930,557	930,356	0,201	-2,00%	5,500	930,246	6,019	930,765
571	+	0,000	930,769	-7,560	930,609	-7,400	-2,00%	930,739	930,757	-0,018	-2,00%	5,500	930,647	5,938	931,085
571	+	10,000	931,095	-7,496	930,999	-7,400	-2,00%	930,959	931,147	-0,188	-2,00%	5,500	931,037	5,735	931,273
572	+	0,000	931,433	-7,464	931,369	-7,400	-2,00%	931,273	931,517	-0,244	-2,00%	5,500	931,407	5,781	931,688
572	+	10,000	931,799	-7,481	931,718	-7,400	-2,00%	931,599	931,866	-0,267	-2,00%	5,500	931,756	5,794	932,050



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
573 +	0,000	932,098	-7,451	932,046	-7,400	-2,00%	931,970	932,194	-0,224	-2,00%	5,500	932,084	5,794	932,378
573 +	10,000	932,434	-7,480	932,354	-7,400	-2,00%	932,362	932,502	-0,140	-2,00%	5,500	932,392	5,878	932,770
574 +	0,000	932,597	-7,467	932,642	-7,400	-2,00%	932,686	932,790	-0,104	-2,00%	5,500	932,680	5,967	933,147
574 +	10,000	932,505	-8,005	932,908	-7,400	-2,00%	932,910	933,056	-0,146	-2,00%	5,500	932,946	5,746	932,782
575 +	0,000	933,131	-7,436	933,154	-7,400	-2,00%	933,270	933,302	-0,032	-2,00%	5,500	933,192	5,549	933,241
575 +	10,000	933,684	-7,704	933,380	-7,400	-2,00%	933,567	933,528	0,039	-2,00%	5,500	933,418	5,804	933,722
576 +	0,000	933,921	-7,736	933,585	-7,400	-2,00%	933,692	933,733	-0,041	-2,00%	5,500	933,623	5,997	934,119
576 +	10,000	934,110	-7,741	933,769	-7,400	-2,00%	933,959	933,917	0,042	-2,00%	5,500	933,807	5,519	933,826
577 +	0,000	934,246	-7,714	933,932	-7,400	-2,00%	934,259	934,080	0,179	-2,00%	5,500	933,970	5,918	934,388
577 +	10,000	934,207	-7,521	934,086	-7,400	-2,00%	934,433	934,234	0,199	-2,00%	5,500	934,124	6,031	934,655
578 +	0,000	934,277	-7,438	934,239	-7,400	-2,00%	934,560	934,387	0,173	-2,00%	5,500	934,277	6,055	934,832
578 +	10,000	934,341	-7,477	934,392	-7,400	-2,00%	934,722	934,540	0,182	-2,00%	5,500	934,430	6,045	934,975
579 +	0,000	934,404	-7,613	934,546	-7,400	-2,00%	934,864	934,694	0,170	-2,00%	5,500	934,584	6,037	935,121
579 +	10,000	934,714	-7,415	934,699	-7,400	-2,00%	935,065	934,847	0,218	-2,00%	5,500	934,737	6,055	935,293
580 +	0,000	934,966	-7,514	934,852	-7,400	-2,00%	935,305	935,000	0,305	-2,00%	5,500	934,890	6,162	935,552
580 +	10,000	935,235	-7,629	935,006	-7,400	-2,00%	935,481	935,154	0,327	-2,00%	5,500	935,044	5,992	935,535
581 +	0,000	935,584	-7,825	935,159	-7,400	-2,00%	935,635	935,307	0,328	-2,00%	5,500	935,197	5,966	935,663
581 +	10,000	935,733	-7,821	935,312	-7,400	-2,00%	935,733	935,460	0,273	-2,00%	5,500	935,350	5,739	935,590
582 +	0,000	935,745	-7,680	935,466	-7,400	-2,00%	935,812	935,614	0,198	-2,00%	5,500	935,504	5,965	935,969
582 +	10,000	935,879	-7,660	935,619	-7,400	-2,00%	935,956	935,767	0,189	-2,00%	5,500	935,657	6,037	936,194
583 +	0,000	935,877	-7,504	935,772	-7,400	-2,00%	936,079	935,920	0,159	-2,00%	5,500	935,810	6,022	936,332
583 +	10,000	935,852	-7,511	935,926	-7,400	-2,00%	936,143	936,074	0,069	-2,00%	5,500	935,964	5,949	936,412
584 +	0,000	936,239	-7,560	936,079	-7,400	-2,00%	936,453	936,227	0,226	-2,00%	5,500	936,117	6,005	936,622
584 +	10,000	936,622	-7,789	936,232	-7,400	-2,00%	936,731	936,380	0,351	-2,00%	5,500	936,270	5,914	936,684
585 +	0,000	936,542	-7,557	936,386	-7,400	-2,00%	936,722	936,534	0,188	-2,00%	5,500	936,424	5,859	936,783



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
585	+	10,000	936,546	-7,408	936,539	-7,400	-2,00%	936,857	936,687	0,170	-2,00%	5,500	936,577	5,838	936,915
586	+	0,000	936,780	-7,488	936,692	-7,400	-2,00%	937,035	936,840	0,195	-2,00%	5,500	936,730	5,966	937,197
586	+	10,000	937,251	-7,806	936,845	-7,400	-2,00%	937,155	936,993	0,162	-2,00%	5,500	936,883	5,931	937,314
587	+	0,000	937,310	-7,711	936,999	-7,400	-2,00%	937,256	937,147	0,109	-2,00%	5,500	937,037	5,823	937,359
587	+	10,000	937,483	-7,731	937,152	-7,400	-2,00%	937,474	937,300	0,174	-2,00%	5,500	937,190	5,797	937,487
588	+	0,000	937,699	-7,793	937,305	-7,400	-2,00%	937,769	937,453	0,316	-2,00%	5,500	937,343	5,882	937,726
588	+	10,000	937,896	-7,837	937,459	-7,400	-2,00%	937,952	937,607	0,345	-2,00%	5,500	937,497	6,020	938,017
589	+	0,000	938,082	-7,870	937,612	-7,400	-2,00%	938,034	937,760	0,274	-2,00%	5,500	937,650	5,858	938,008
589	+	10,000	938,368	-8,003	937,765	-7,400	-2,00%	938,242	937,913	0,329	-2,00%	5,500	937,803	5,835	938,138
590	+	0,000	938,688	-8,169	937,919	-7,400	-2,00%	938,517	938,067	0,450	-2,00%	5,500	937,957	5,932	938,389
590	+	10,000	938,837	-8,160	938,077	-7,400	-2,00%	938,668	938,225	0,443	-2,00%	5,500	938,115	6,130	938,745
591	+	0,000	938,925	-8,080	938,246	-7,400	-2,00%	938,772	938,394	0,378	-2,00%	5,500	938,284	6,067	938,851
591	+	10,000	939,152	-8,128	938,424	-7,400	-2,00%	938,913	938,572	0,341	-2,00%	5,500	938,462	6,147	939,110
592	+	0,000	939,375	-8,162	938,613	-7,400	-2,00%	939,113	938,761	0,352	-2,00%	5,500	938,651	6,186	939,337
592	+	10,000	939,575	-8,163	938,812	-7,400	-2,00%	939,361	938,960	0,401	-2,00%	5,500	938,850	6,235	939,585
593	+	0,000	939,470	-7,849	939,021	-7,400	-2,00%	939,611	939,169	0,442	-2,00%	5,500	939,059	6,167	939,726
593	+	10,000	939,859	-8,019	939,240	-7,400	-2,00%	939,941	939,388	0,553	-2,00%	5,500	939,278	6,284	940,062
594	+	0,000	940,424	-8,354	939,470	-7,400	-2,00%	940,193	939,618	0,575	-2,00%	5,500	939,508	6,321	940,329
594	+	10,000	940,648	-8,338	939,709	-7,400	-2,00%	940,409	939,857	0,552	-2,00%	5,500	939,747	6,312	940,560
595	+	0,000	940,871	-8,312	939,959	-7,400	-2,00%	940,647	940,107	0,540	-2,00%	5,500	939,997	6,200	940,697
595	+	10,000	941,201	-8,382	940,219	-7,400	-2,00%	940,927	940,367	0,560	-2,00%	5,500	940,257	6,170	940,927
596	+	0,000	941,434	-8,345	940,489	-7,400	-2,00%	941,170	940,637	0,533	-2,00%	5,500	940,527	6,205	941,232
596	+	10,000	941,706	-8,337	940,769	-7,400	-2,00%	941,614	940,917	0,697	-2,00%	5,500	940,807	6,239	941,546
597	+	0,000	941,768	-8,109	941,059	-7,400	-2,00%	941,745	941,207	0,538	-2,00%	5,500	941,097	6,092	941,689
597	+	10,000	941,924	-7,964	941,360	-7,400	-2,00%	942,041	941,508	0,533	-2,00%	5,500	941,398	6,358	942,256



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
598 +	0,000	942,159	-7,889	941,670	-7,400	-2,00%	942,286	941,818	0,468	-2,00%	5,500	941,708	6,279	942,487
598 +	10,000	942,349	-7,763	941,986	-7,400	-2,00%	942,532	942,134	0,398	-2,00%	5,500	942,024	6,041	942,565
599 +	0,000	942,628	-7,727	942,301	-7,400	-2,00%	942,729	942,449	0,280	-2,00%	5,500	942,339	6,008	942,847
599 +	10,000	942,918	-7,701	942,617	-7,400	-2,00%	942,999	942,765	0,234	-2,00%	5,500	942,655	5,936	943,091
600 +	0,000	943,297	-7,765	942,933	-7,400	-2,00%	943,383	943,081	0,302	-2,00%	5,500	942,971	5,931	943,401
600 +	10,000	943,902	-8,054	943,248	-7,400	-2,00%	943,729	943,396	0,333	-2,00%	5,500	943,286	5,951	943,737
601 +	0,000	944,156	-7,992	943,564	-7,400	-2,00%	943,972	943,712	0,260	-2,00%	5,500	943,602	5,875	943,977
601 +	10,000	944,424	-7,944	943,879	-7,400	-2,00%	944,245	944,027	0,218	-2,00%	5,500	943,917	5,833	944,250
602 +	0,000	944,659	-7,864	944,195	-7,400	-2,00%	944,600	944,343	0,257	-2,00%	5,500	944,233	5,866	944,599
602 +	10,000	944,956	-7,845	944,511	-7,400	-2,00%	944,939	944,659	0,280	-2,00%	5,500	944,549	5,886	944,935
603 +	0,000	945,274	-7,848	944,826	-7,400	-2,00%	945,264	944,974	0,290	-2,00%	5,500	944,864	6,053	945,417
603 +	10,000	945,568	-7,826	945,142	-7,400	-2,00%	945,565	945,290	0,275	-2,00%	5,500	945,180	6,047	945,727
604 +	0,000	945,833	-7,776	945,457	-7,400	-2,00%	945,835	945,605	0,230	-2,00%	5,500	945,495	5,848	945,844
604 +	10,000	946,116	-7,743	945,773	-7,400	-2,00%	946,214	945,921	0,293	-2,00%	5,500	945,811	6,085	946,396
605 +	0,000	946,432	-7,744	946,089	-7,400	-2,00%	946,542	946,237	0,305	-2,00%	5,500	946,127	6,167	946,793
605 +	10,000	946,775	-7,771	946,404	-7,400	-2,00%	946,896	946,552	0,344	-2,00%	5,500	946,442	5,963	946,905
606 +	0,000	947,084	-7,764	946,720	-7,400	-2,00%	947,197	946,868	0,329	-2,00%	5,500	946,758	5,934	947,192
606 +	10,000	947,401	-7,765	947,035	-7,400	-2,00%	947,499	947,183	0,316	-2,00%	5,500	947,073	5,957	947,530
607 +	0,000	947,745	-7,794	947,351	-7,400	-2,00%	947,800	947,499	0,301	-2,00%	5,500	947,389	6,147	948,036
607 +	10,000	948,087	-7,820	947,667	-7,400	-2,00%	948,101	947,815	0,286	-2,00%	5,500	947,705	6,032	948,237
608 +	0,000	948,435	-7,853	947,982	-7,400	-2,00%	948,457	948,130	0,327	-2,00%	5,500	948,020	5,985	948,505
608 +	10,000	948,860	-7,962	948,298	-7,400	-2,00%	948,842	948,446	0,396	-2,00%	5,500	948,336	5,966	948,802
609 +	0,000	949,200	-7,986	948,614	-7,400	-2,00%	949,248	948,762	0,486	-2,00%	5,500	948,652	6,270	949,422
609 +	10,000	949,421	-7,892	948,929	-7,400	-2,00%	949,471	949,077	0,394	-2,00%	5,500	948,967	6,313	949,780
610 +	0,000	949,670	-7,825	949,245	-7,400	-2,00%	949,692	949,393	0,299	-2,00%	5,500	949,283	6,233	950,015



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
610	+	10,000	949,897	-7,731	949,566	-7,400	-2,00%	949,888	949,714	0,174	-2,00%	5,500	949,604	6,208	950,313
611	+	0,000	950,271	-7,772	949,900	-7,400	-2,00%	950,280	950,048	0,232	-2,00%	5,500	949,938	6,240	950,678
611	+	10,000	950,988	-8,142	950,245	-7,400	-2,00%	950,961	950,393	0,568	-2,00%	5,500	950,283	6,487	951,271
612	+	0,000	951,704	-8,501	950,603	-7,400	-2,00%	951,643	950,751	0,892	-2,00%	5,500	950,641	6,560	951,701
612	+	10,000	952,032	-8,459	950,972	-7,400	-2,00%	952,043	951,120	0,923	-2,00%	5,500	951,010	6,557	952,067
613	+	0,000	952,331	-8,378	951,354	-7,400	-2,00%	952,360	951,502	0,858	-2,00%	5,500	951,392	6,587	952,479
613	+	10,000	952,639	-8,292	951,747	-7,400	-2,00%	952,829	951,895	0,934	-2,00%	5,500	951,785	6,587	952,872
614	+	0,000	953,079	-8,326	952,152	-7,400	-2,00%	953,303	952,300	1,003	-2,00%	5,500	952,190	6,826	953,516
614	+	10,000	953,436	-8,267	952,569	-7,400	-2,00%	953,785	952,717	1,068	-2,00%	5,500	952,607	6,784	953,891
615	+	0,000	953,916	-8,317	952,999	-7,400	-2,00%	954,227	953,147	1,080	-2,00%	5,500	953,037	6,893	954,429
615	+	10,000	954,495	-8,455	953,440	-7,400	-2,00%	954,650	953,588	1,062	-2,00%	5,500	953,478	6,874	954,852
616	+	0,000	955,026	-8,534	953,893	-7,400	-2,00%	955,096	954,041	1,055	-2,00%	5,500	953,931	6,611	955,042
616	+	10,000	955,539	-8,581	954,358	-7,400	-2,00%	955,514	954,506	1,008	-2,00%	5,500	954,396	6,520	955,416
617	+	0,000	956,045	-8,610	954,835	-7,400	-2,00%	955,966	954,983	0,983	-2,00%	5,500	954,873	6,531	955,904
617	+	10,000	956,518	-8,594	955,324	-7,400	-2,00%	956,399	955,472	0,927	-2,00%	5,500	955,362	6,479	956,341
618	+	0,000	956,959	-8,535	955,825	-7,400	-2,00%	956,838	955,973	0,865	-2,00%	5,500	955,863	6,420	956,783
618	+	10,000	957,406	-8,468	956,337	-7,400	-2,00%	957,288	956,485	0,803	-2,00%	5,500	956,375	6,367	957,242
619	+	0,000	957,841	-8,378	956,862	-7,400	-2,00%	957,757	957,010	0,747	-2,00%	5,500	956,900	6,317	957,718
619	+	10,000	958,239	-8,240	957,399	-7,400	-2,00%	958,294	957,547	0,747	-2,00%	5,500	957,437	6,410	958,347
620	+	0,000	958,546	-7,998	957,948	-7,400	-2,00%	958,775	958,096	0,679	-2,00%	5,500	957,986	6,597	959,082
620	+	10,000	959,057	-7,949	958,508	-7,400	-2,00%	959,230	958,656	0,574	-2,00%	5,500	958,546	6,206	959,252
621	+	0,000	959,602	-7,921	959,081	-7,400	-2,00%	959,594	959,229	0,365	-2,00%	5,500	959,119	6,343	959,962
621	+	10,000	960,133	-7,868	959,666	-7,400	-2,00%	960,135	959,814	0,321	-2,00%	5,500	959,704	6,284	960,487
622	+	0,000	960,669	-7,807	960,262	-7,400	-2,00%	960,784	960,410	0,374	-2,00%	5,500	960,300	6,080	960,880
622	+	10,000	961,085	-7,621	960,865	-7,400	-2,00%	961,431	961,013	0,418	-2,00%	5,500	960,903	6,199	961,602



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
623	+	0,000	961,732	-7,665	961,467	-7,400	-2,00%	962,036	961,615	0,421	-2,00%	5,500	961,505	6,191	962,197
623	+	10,000	962,393	-7,724	962,070	-7,400	-2,00%	962,676	962,218	0,458	-2,00%	5,500	962,108	6,168	962,776
624	+	0,000	963,183	-7,911	962,672	-7,400	-2,00%	963,339	962,820	0,519	-2,00%	5,500	962,710	6,431	963,641
624	+	10,000	963,977	-8,103	963,275	-7,400	-2,00%	963,994	963,423	0,571	-2,00%	5,500	963,313	6,271	964,084
625	+	0,000	964,567	-8,090	963,877	-7,400	-2,00%	964,607	964,025	0,582	-2,00%	5,500	963,915	6,432	964,847
625	+	10,000	965,210	-8,130	964,480	-7,400	-2,00%	965,198	964,628	0,570	-2,00%	5,500	964,518	6,403	965,420
626	+	0,000	965,907	-8,225	965,082	-7,400	-2,00%	965,787	965,230	0,557	-2,00%	5,500	965,120	6,361	965,981
626	+	10,000	966,587	-8,303	965,685	-7,400	-2,00%	966,376	965,833	0,543	-2,00%	5,500	965,723	6,141	966,363
627	+	0,000	967,171	-8,284	966,287	-7,400	-2,00%	966,981	966,435	0,546	-2,00%	5,500	966,325	6,074	966,899
627	+	10,000	967,797	-8,307	966,890	-7,400	-2,00%	967,620	967,038	0,582	-2,00%	5,500	966,928	6,122	967,549
628	+	0,000	968,444	-8,352	967,492	-7,400	-2,00%	968,230	967,640	0,590	-2,00%	5,500	967,530	6,180	968,210
628	+	10,000	969,375	-8,680	968,095	-7,400	-2,00%	968,821	968,243	0,578	-2,00%	5,500	968,133	6,004	968,636
629	+	0,000	969,608	-8,311	968,697	-7,400	-2,00%	969,669	968,845	0,824	-2,00%	5,500	968,735	6,424	969,659
629	+	10,000	970,258	-8,358	969,300	-7,400	-2,00%	970,354	969,448	0,906	-2,00%	5,500	969,338	6,635	970,473
630	+	0,000	970,910	-8,408	969,902	-7,400	-2,00%	970,997	970,050	0,947	-2,00%	5,500	969,940	6,626	971,066
630	+	10,000	970,853	-7,748	970,505	-7,400	-2,00%	971,155	970,653	0,502	-2,00%	5,500	970,543	6,360	971,402
631	+	0,000	970,705	-8,002	971,107	-7,400	-2,00%	970,904	971,255	-0,351	-2,00%	5,500	971,145	5,606	971,251
631	+	10,000	970,954	-8,534	971,710	-7,400	-2,00%	971,169	971,858	-0,689	-2,00%	5,500	971,748	5,518	971,765
632	+	0,000	971,645	-8,401	972,312	-7,400	-2,00%	971,833	972,460	-0,627	-2,00%	5,500	972,350	5,525	972,375
632	+	10,000	972,465	-8,074	972,915	-7,400	-2,00%	972,405	973,063	-0,658	-2,00%	5,500	972,953	5,779	973,232
633	+	0,000	973,380	-7,605	973,517	-7,400	-2,00%	973,322	973,665	-0,343	-2,00%	5,500	973,555	5,636	973,464
633	+	10,000	974,615	-7,896	974,120	-7,400	-2,00%	974,711	974,268	0,443	-2,00%	5,500	974,158	6,049	974,706
634	+	0,000	974,620	-7,553	974,722	-7,400	-2,00%	974,684	974,870	-0,186	-2,00%	5,500	974,760	5,877	975,137
634	+	10,000	974,907	-8,026	975,325	-7,400	-2,00%	974,963	975,473	-0,510	-2,00%	5,500	975,363	5,630	975,492
635	+	0,000	975,475	-8,078	975,927	-7,400	-2,00%	975,701	976,075	-0,374	-2,00%	5,500	975,965	5,531	975,996



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
635	+	10,000	976,456	-7,511	976,530	-7,400	-2,00%	976,351	976,678	-0,327	-2,00%	5,500	976,568	5,910	976,978
636	+	0,000	978,214	-8,481	977,132	-7,400	-2,00%	978,257	977,280	0,977	-2,00%	5,500	977,170	6,645	978,315
636	+	10,000	978,153	-7,818	977,735	-7,400	-2,00%	978,729	977,883	0,846	-2,00%	5,500	977,773	6,609	978,882
637	+	0,000	979,233	-8,296	978,337	-7,400	-2,00%	979,447	978,485	0,962	-2,00%	5,500	978,375	6,676	979,552
637	+	10,000	980,297	-8,758	978,940	-7,400	-2,00%	980,231	979,088	1,143	-2,00%	5,500	978,978	6,783	980,261
638	+	0,000	982,071	-9,929	979,542	-7,400	-2,00%	981,822	979,690	2,132	-2,00%	5,500	979,580	7,307	981,387
638	+	10,000	984,004	-11,259	980,145	-7,400	-2,00%	983,575	980,293	3,282	-2,00%	5,500	980,183	7,641	982,323
639	+	0,000	985,990	-12,643	980,747	-7,400	-2,00%	985,322	980,895	4,427	-2,00%	5,500	980,785	7,402	982,687
639	+	10,000	987,986	-14,036	981,350	-7,400	-2,00%	986,934	981,498	5,436	-2,00%	5,500	981,388	7,649	983,536
640	+	0,000	989,901	-15,349	981,952	-7,400	-2,00%	987,027	982,100	4,927	-2,00%	5,500	981,990	7,784	984,274
640	+	10,000	991,503	-16,349	982,555	-7,400	-2,00%	986,294	982,703	3,591	-2,00%	5,500	982,593	7,211	984,304
641	+	0,000	992,699	-16,942	983,157	-7,400	-2,00%	986,730	983,305	3,425	-2,00%	5,500	983,195	7,896	985,591
641	+	10,000	994,464	-18,105	983,760	-7,400	-2,00%	990,559	983,908	6,651	-2,00%	5,500	983,798	8,092	986,390
642	+	0,000	995,132	-18,170	984,362	-7,400	-2,00%	988,715	984,510	4,205	-2,00%	5,500	984,400	7,868	986,768
642	+	10,000	995,728	-18,164	984,965	-7,400	-2,00%	991,381	985,113	6,268	-2,00%	5,500	985,003	8,181	987,683
642	+	20,000	996,379	-18,211	985,567	-7,400	-2,00%	990,016	985,715	4,301	-2,00%	5,500	985,605	7,864	987,969
643	+	5,674	996,741	-18,240	985,901	-7,400	-2,00%	991,492	986,049	5,443	-2,00%	5,500	985,939	7,119	987,558
643	+	10,000	997,019	-18,273	986,145	-7,400	-2,00%	992,530	986,293	6,237	-1,61%	5,500	986,205	7,172	987,877
644	+	0,000	997,614	-18,338	986,676	-7,400	-2,00%	991,313	986,824	4,489	-0,71%	5,500	986,784	7,321	988,606
644	+	10,000	998,101	-18,343	987,158	-7,400	-2,00%	993,413	987,306	6,107	0,19%	5,500	987,316	7,326	989,142
645	+	0,000	998,488	-18,296	987,591	-7,400	-2,00%	991,354	987,739	3,615	1,09%	5,500	987,799	7,490	989,789
645	+	10,000	998,733	-18,157	987,977	-7,400	-2,00%	993,731	988,125	5,606	1,99%	5,500	988,234	7,921	990,655
645	+	10,164	998,736	-18,153	987,983	-7,400	-2,00%	993,770	988,131	5,639	2,00%	5,500	988,241	7,944	990,685
646	+	0,000	998,641	-17,727	988,314	-7,400	-2,00%	992,475	988,462	4,013	2,00%	5,500	988,572	7,757	990,829
646	+	0.784	998.620	-17.682	988.338	-7.400	-2.00%	992.038	988.486	3.552	2.00%	5.500	988.596	7.585	990.682



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - EIXO 2



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO					
	OFFSET		BORDO			COTA			BORDO		OFFSET				
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA		
646	+	1,054	998,615	-17,669	988,347	-7,400	-2,00%	991,888	988,495	3,393	2,00%	5,500	988,605	7,519	990,624
646	+	10,000	998,243	-17,040	988,603	-7,400	-2,00%	994,912	988,751	6,161	2,00%	5,500	988,861	8,385	991,746
646	+	11,674	998,164	-16,917	988,647	-7,400	-2,00%	995,150	988,795	6,355	2,00%	5,500	988,905	8,526	991,931
647	+	0,000	997,746	-16,302	988,844	-7,400	-2,00%	994,044	988,992	5,052	2,00%	5,500	989,102	7,818	991,420
647	+	10,000	997,000	-15,364	989,036	-7,400	-2,00%	994,467	989,184	5,283	2,00%	5,500	989,294	7,531	991,325
648	+	0,000	996,190	-14,409	989,181	-7,400	-2,00%	993,924	989,329	4,595	2,00%	5,500	989,439	7,805	991,744
648	+	10,000	995,413	-13,536	989,277	-7,400	-2,00%	993,104	989,425	3,679	2,00%	5,500	989,535	7,840	991,874
648	+	16,164	994,934	-13,022	989,312	-7,400	-2,00%	994,137	989,460	4,677	2,00%	5,500	989,570	7,817	991,887
649	+	0,000	994,637	-12,712	989,325	-7,400	-2,00%	994,593	989,473	5,120	-2,00%	5,500	989,363	7,961	991,823
649	+	10,000	993,845	-11,920	989,324	-7,400	-2,00%	993,046	989,472	3,574	-2,00%	5,500	989,362	7,423	991,286
650	+	0,000	993,047	-11,172	989,276	-7,400	-2,00%	992,154	989,424	2,730	-2,00%	5,500	989,314	7,680	991,493
650	+	10,000	992,246	-10,467	989,179	-7,400	-2,00%	992,081	989,327	2,754	-2,00%	5,500	989,217	7,384	991,100
651	+	0,000	991,446	-9,812	989,034	-7,400	-2,00%	991,347	989,182	2,165	-2,00%	5,500	989,072	6,680	990,252
651	+	10,000	990,651	-9,211	988,840	-7,400	-2,00%	990,231	988,988	1,243	-2,00%	5,500	988,878	6,294	989,672
651	+	20,000	990,016	-8,818	988,599	-7,400	-2,00%	989,418	988,747	0,671	-2,00%	5,500	988,637	6,111	989,248
652	+	10,000	989,277	-8,344	988,333	-7,400	-2,00%	988,630	988,481	0,149	-2,00%	5,500	988,371	5,632	988,503
653	+	0,000	988,630	-7,962	988,068	-7,400	-2,00%	988,228	988,216	0,012	-2,00%	5,500	988,106	5,680	988,285
653	+	10,000	988,076	-7,674	987,802	-7,400	-2,00%	987,890	987,950	-0,060	-2,00%	5,500	987,840	5,622	987,962
654	+	0,000	987,813	-7,677	987,536	-7,400	-2,00%	987,757	987,684	0,073	-2,00%	5,500	987,574	5,795	987,870
654	+	10,000	987,603	-7,732	987,271	-7,400	-2,00%	987,508	987,419	0,089	-2,00%	5,500	987,309	5,825	987,634
655	+	0,000	987,562	-7,957	987,005	-7,400	-2,00%	987,233	987,153	0,080	-2,00%	5,500	987,043	5,859	987,402
655	+	1,802	987,554	-7,997	986,957	-7,400	-2,00%	987,183	987,105	0,078	-2,00%	5,500	986,995	5,867	987,362
655	+	10,000	987,753	-8,414	986,739	-7,400	-2,00%	987,283	986,887	0,396	-2,00%	5,500	986,777	5,664	986,941
656	+	0,000	987,938	-8,864	986,474	-7,400	-2,00%	987,465	986,622	0,843	-2,00%	5,500	986,512	6,075	987,087
656	+	0.775	987.939	-8.886	986.453	-7.400	-2.00%	987.477	986.601	0.876	-2.00%	5.500	986.491	6.107	987.098



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA			LADO ESQUERDO					EIXO			LADO DIREITO				
			OFFSET		BORDO			COTA			BORDO			OFFSET	
			COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA
0 +	0,000	895,704	-6,042	896,066	-5,500	-2,00%	896,083	896,176	-0,093	-2,00%	7,400	896,028	8,317	896,945	
0 +	2,188	895,820	-5,866	896,063	-5,500	-2,00%	896,107	896,173	-0,066	-2,00%	7,400	896,025	8,467	897,092	
0 +	10,000	895,848	-5,796	896,046	-5,500	-2,00%	896,176	896,156	0,020	-2,00%	7,400	896,008	8,882	897,490	
1 +	0,000	895,925	-5,604	895,995	-5,500	-2,00%	896,546	896,105	0,441	-2,00%	7,400	895,957	8,938	897,495	
1 +	10,000	895,899	-5,520	895,912	-5,500	-2,00%	896,162	896,022	0,140	-2,00%	7,400	895,874	8,557	897,031	
2 +	0,000	895,889	-5,591	895,798	-5,500	-2,00%	896,126	895,908	0,218	-2,00%	7,400	895,760	8,615	896,974	
2 +	4,890	895,855	-5,625	895,730	-5,500	-2,00%	896,100	895,840	0,260	-2,00%	7,400	895,692	8,034	896,326	
2 +	10,000	895,781	-5,613	895,668	-5,500	-1,69%	896,128	895,761	0,367	-2,00%	7,400	895,613	7,536	895,749	
3 +	0,000	895,631	-5,608	895,523	-5,500	-1,08%	896,180	895,583	0,597	-2,00%	7,400	895,435	8,646	896,681	
3 +	10,000	895,489	-5,643	895,347	-5,500	-0,48%	895,834	895,373	0,461	-2,00%	7,400	895,225	7,668	895,493	
4 +	0,000	895,311	-5,672	895,138	-5,500	0,13%	895,503	895,131	0,372	-2,00%	7,400	894,983	8,006	895,589	
4 +	10,000	895,121	-5,723	894,898	-5,500	0,73%	895,293	894,858	0,435	-2,00%	7,400	894,710	8,163	895,473	
4 +	20,000	894,804	-5,678	894,626	-5,500	1,34%	895,204	894,552	0,652	-2,00%	7,400	894,404	8,108	895,113	
5 +	10,000	895,047	-6,225	894,322	-5,500	1,95%	894,985	894,215	0,770	-2,00%	7,400	894,067	9,540	896,207	
5 +	10,890	894,990	-6,196	894,294	-5,500	2,00%	894,948	894,184	0,764	-2,00%	7,400	894,036	9,870	896,505	
6 +	0,000	894,700	-6,243	893,956	-5,500	2,00%	894,765	893,846	0,919	-2,00%	7,400	893,698	8,581	894,879	
6 +	10,000	895,077	-7,021	893,556	-5,500	2,00%	894,353	893,446	0,907	-2,00%	7,400	893,298	9,526	895,423	
7 +	0,000	894,273	-6,649	893,123	-5,500	2,00%	893,922	893,013	0,909	-2,00%	7,400	892,865	11,921	897,386	
7 +	10,000	893,236	-6,077	892,659	-5,500	2,00%	893,338	892,549	0,789	-2,00%	7,400	892,401	10,240	895,241	
8 +	0,000	893,387	-6,724	892,163	-5,500	2,00%	892,988	892,053	0,935	-2,00%	7,400	891,905	10,221	894,726	
8 +	10,000	893,057	-6,922	891,635	-5,500	2,00%	893,700	891,525	2,175	-2,00%	7,400	891,377	11,998	895,975	
9 +	0,000	891,902	-6,327	891,075	-5,500	2,00%	892,035	890,965	1,070	-2,00%	7,400	890,817	9,140	892,558	
9 +	10,000	891,509	-6,526	890,484	-5,500	2,00%	891,365	890,374	0,991	-2,00%	7,400	890,226	12,053	894,879	
10 +	0,000	890,715	-6,355	889,860	-5,500	2,00%	891,913	889,750	2,163	-2,00%	7,400	889,602	12,182	894,384	
10 +	2,188	890,501	-6,282	889,720	-5,500	2,00%	891,602	889,610	1,992	-2,00%	7,400	889,462	11,944	894,006	
10 +	10,000	889,745	-6,030	889,215	-5,500	2,00%	890,508	889,105	1,403	-2,00%	7,400	888,957	11,148	892,705	
11 +	0,000	889,543	-6,474	888,569	-5,500	2,00%	889,396	888,459	0,937	-2,00%	7,400	888,311	10,208	891,118	
11 +	10,000	888,979	-6,556	887,923	-5,500	2,00%	888,837	887,813	1,024	-2,00%	7,400	887,665	9,343	889,608	
12 +	0,000	888,274	-6,498	887,276	-5,500	2,00%	888,024	887,166	0,858	-2,00%	7,400	887,018	8,300	887,918	



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
13 +	0,000	886,959	-6,475	885,984	-5,500	2,00%	886,458	885,874	0,584	-2,00%	7,400	885,726	7,572	885,611
13 +	10,000	886,188	-6,350	885,338	-5,500	2,00%	886,015	885,228	0,787	-2,00%	7,400	885,080	7,733	885,413
14 +	0,000	885,515	-6,323	884,692	-5,500	2,00%	885,195	884,582	0,613	-2,00%	7,400	884,434	8,108	885,142
14 +	10,000	884,849	-6,304	884,045	-5,500	2,00%	884,761	883,935	0,826	-2,00%	7,400	883,787	9,100	885,488
15 +	0,000	884,172	-6,272	883,399	-5,500	2,00%	885,240	883,289	1,951	-2,00%	7,400	883,141	10,388	886,129
15 +	10,000	883,580	-6,327	882,753	-5,500	2,00%	884,763	882,643	2,120	-2,00%	7,400	882,495	11,693	886,788
16 +	0,000	882,907	-6,300	882,107	-5,500	2,00%	884,461	881,997	2,464	-2,00%	7,400	881,849	12,824	887,273
16 +	10,000	882,266	-6,305	881,461	-5,500	2,00%	883,351	881,351	2,000	-2,00%	7,400	881,203	13,025	886,827
17 +	0,000	881,299	-5,985	880,815	-5,500	2,00%	882,263	880,705	1,558	-2,00%	7,400	880,557	14,500	887,656
17 +	10,000	880,825	-6,157	880,168	-5,500	2,00%	881,937	880,058	1,879	-2,00%	7,400	879,910	15,165	887,675
18 +	0,000	880,246	-6,224	879,522	-5,500	2,00%	881,967	879,412	2,555	-2,00%	7,400	879,264	14,582	886,446
18 +	10,000	879,599	-6,223	878,876	-5,500	2,00%	880,403	878,766	1,637	-2,00%	7,400	878,618	14,049	885,267
18 +	14,753	879,043	-5,974	878,569	-5,500	2,00%	880,364	878,459	1,905	-2,00%	7,400	878,311	15,715	886,626
19 +	0,000	878,690	-5,960	878,230	-5,500	2,00%	881,891	878,120	3,771	-2,00%	7,400	877,972	16,891	887,463
19 +	10,000	878,019	-5,935	877,584	-5,500	2,00%	880,314	877,474	2,840	-2,00%	7,400	877,326	16,961	886,886
20 +	0,000	877,532	-6,094	876,938	-5,500	2,00%	880,211	876,828	3,383	-2,00%	7,400	876,680	17,492	886,771
20 +	10,000	876,869	-6,078	876,291	-5,500	2,00%	879,305	876,181	3,124	-2,00%	7,400	876,033	17,760	886,393
21 +	0,000	875,803	-5,658	875,645	-5,500	2,00%	877,959	875,535	2,424	-2,00%	7,400	875,387	16,587	884,574
21 +	10,000	875,119	-5,620	874,999	-5,500	2,00%	876,499	874,889	1,610	-2,00%	7,400	874,741	15,177	882,518
22 +	0,000	875,993	-7,140	874,353	-5,500	2,00%	877,297	874,243	3,054	-2,00%	7,400	874,095	13,877	880,572
22 +	2,188	875,582	-6,870	874,211	-5,500	2,00%	877,301	874,101	3,200	-2,00%	7,400	873,953	13,687	880,240
22 +	10,000	874,673	-6,458	873,714	-5,500	2,00%	875,078	873,604	1,474	-2,00%	7,400	873,456	13,096	879,153
23 +	0,000	874,998	-7,397	873,101	-5,500	2,00%	876,317	872,991	3,326	-2,00%	7,400	872,843	13,016	878,459
23 +	10,000	872,389	-5,687	872,513	-5,500	2,00%	873,707	872,403	1,304	-2,00%	7,400	872,255	13,512	878,367
24 +	0,000	871,710	-5,861	871,950	-5,500	2,00%	874,165	871,840	2,325	-2,00%	7,400	871,692	13,293	877,585
24 +	10,000	872,194	-6,280	871,413	-5,500	2,00%	872,636	871,303	1,333	-2,00%	7,400	871,155	13,388	877,143
25 +	0,000	871,950	-6,549	870,902	-5,500	2,00%	873,314	870,792	2,522	-2,00%	7,400	870,644	13,577	876,821
25 +	10,000	870,065	-6,025	870,416	-5,500	2,00%	871,328	870,306	1,022	-2,00%	7,400	870,158	13,766	876,524
26 +	0,000	869,571	-6,076	869,955	-5,500	2,00%	870,849	869,845	1,004	-2,00%	7,400	869,697	13,897	875,194



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA			LADO ESQUERDO					EIXO			LADO DIREITO				
			OFFSET		BORDO			COTA			BORDO			OFFSET	
			COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA
26	+	10,000	869,436	-5,626	869,520	-5,500	2,00%	871,750	869,410	2,340	-2,00%	7,400	869,262	12,089	873,951
27	+	0,000	869,375	-5,747	869,128	-5,500	2,00%	869,768	869,018	0,750	-2,00%	7,400	868,870	11,442	872,912
27	+	10,000	868,797	-5,531	868,817	-5,500	2,00%	868,959	868,707	0,252	-2,00%	7,400	868,559	9,941	871,100
28	+	0,000	868,622	-5,534	868,589	-5,500	2,00%	869,437	868,479	0,958	-2,00%	7,400	868,331	8,854	869,785
28	+	10,000	868,568	-5,625	868,443	-5,500	2,00%	868,914	868,333	0,581	-2,00%	7,400	868,185	7,919	867,839
29	+	0,000	868,599	-5,719	868,380	-5,500	2,00%	866,927	868,270	-1,343	-2,00%	7,400	868,122	13,061	864,348
29	+	2,188	868,360	-5,525	868,377	-5,500	2,00%	866,251	868,267	-2,016	-2,00%	7,400	868,119	13,935	863,763
29	+	10,000	863,516	-12,788	868,374	-5,500	2,00%	863,298	868,264	-4,966	-2,00%	7,400	868,116	13,712	863,908
30	+	0,000	865,904	-9,200	868,371	-5,500	2,00%	865,323	868,261	-2,938	-2,00%	7,400	868,113	8,744	867,216
30	+	10,000	868,436	-5,570	868,367	-5,500	2,00%	867,961	868,257	-0,296	-2,00%	7,400	868,109	11,700	865,242
31	+	0,000	868,289	-5,611	868,363	-5,500	2,00%	867,118	868,253	-1,135	-2,00%	7,400	868,105	12,826	864,488
31	+	10,000	868,380	-5,521	868,359	-5,500	2,00%	867,132	868,249	-1,117	-2,00%	7,400	868,101	11,972	865,053
31	+	12,188	868,389	-5,531	868,359	-5,500	2,00%	867,104	868,249	-1,145	-2,00%	7,400	868,101	11,785	865,177
32	+	0,000	868,422	-5,557	868,365	-5,500	2,00%	867,139	868,255	-1,116	-2,00%	7,400	868,107	11,133	865,618
32	+	10,000	868,631	-5,731	868,400	-5,500	2,00%	867,506	868,290	-0,784	-2,00%	7,400	868,142	10,654	865,973
33	+	0,000	868,674	-5,708	868,466	-5,500	2,00%	867,604	868,356	-0,752	-2,00%	7,400	868,208	11,198	865,675
33	+	10,000	868,763	-5,702	868,561	-5,500	2,00%	867,905	868,451	-0,546	-2,00%	7,400	868,303	10,391	866,309
34	+	0,000	869,087	-5,899	868,688	-5,500	2,00%	868,185	868,578	-0,393	-2,00%	7,400	868,430	9,182	867,241
34	+	10,000	869,188	-5,844	868,844	-5,500	2,00%	868,424	868,734	-0,310	-2,00%	7,400	868,586	8,491	867,859
35	+	0,000	869,299	-5,768	869,031	-5,500	2,00%	868,544	868,921	-0,377	-2,00%	7,400	868,773	8,553	868,004
35	+	10,000	869,221	-5,541	869,248	-5,500	2,00%	869,128	869,138	-0,010	-2,00%	7,400	868,990	7,955	868,620
36	+	0,000	869,488	-5,512	869,496	-5,500	2,00%	869,328	869,386	-0,058	-2,00%	7,400	869,238	7,574	869,411
36	+	10,000	870,042	-5,768	869,773	-5,500	2,00%	869,515	869,663	-0,148	-2,00%	7,400	869,515	7,859	869,209
37	+	0,000	870,384	-5,803	870,082	-5,500	2,00%	869,875	869,972	-0,097	-2,00%	7,400	869,824	7,688	869,632
37	+	10,000	870,508	-5,588	870,420	-5,500	2,00%	870,319	870,310	0,009	-2,00%	7,400	870,162	7,438	870,137
38	+	0,000	871,033	-5,744	870,789	-5,500	2,00%	870,737	870,679	0,058	-2,00%	7,400	870,531	7,447	870,578
38	+	10,000	871,589	-5,901	871,188	-5,500	2,00%	871,047	871,078	-0,031	-2,00%	7,400	870,930	7,429	870,959
38	+	12,188	871,656	-5,876	871,280	-5,500	2,00%	871,131	871,170	-0,039	-2,00%	7,400	871,022	7,421	871,043
39	+	0,000	871,896	-5,787	871,609	-5,500	2,00%	871,598	871,499	0,099	-2,00%	7,400	871,351	7,417	871,347



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA			LADO ESQUERDO					EIXO			LADO DIREITO				
			OFFSET		BORDO			COTA			BORDO			OFFSET	
			COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA
39 +	10,000	872,541	-6,011	872,030	-5,500	2,00%	871,915	871,920	-0,005	-2,00%	7,400	871,772	7,424	871,796	
40 +	0,000	872,949	-5,998	872,451	-5,500	2,00%	872,429	872,341	0,088	-2,00%	7,400	872,193	7,401	872,192	
40 +	10,000	873,260	-5,888	872,872	-5,500	2,00%	873,123	872,762	0,361	-2,00%	7,400	872,614	7,471	872,566	
41 +	0,000	873,791	-5,998	873,293	-5,500	2,00%	873,262	873,183	0,079	-2,00%	7,400	873,035	7,706	872,831	
41 +	10,000	874,221	-6,007	873,714	-5,500	2,00%	873,557	873,604	-0,047	-2,00%	7,400	873,456	7,604	873,320	
42 +	0,000	874,472	-5,837	874,135	-5,500	2,00%	874,230	874,025	0,205	-2,00%	7,400	873,877	7,769	873,630	
42 +	10,000	874,831	-5,775	874,556	-5,500	2,00%	874,618	874,446	0,172	-2,00%	7,400	874,298	7,821	874,017	
43 +	0,000	875,074	-5,598	874,977	-5,500	2,00%	874,867	874,867	0,000	-2,00%	7,400	874,719	7,803	874,450	
43 +	10,000	875,591	-5,693	875,398	-5,500	2,00%	875,334	875,288	0,046	-2,00%	7,400	875,140	7,706	874,936	
44 +	0,000	876,071	-5,753	875,819	-5,500	2,00%	875,844	875,709	0,135	-2,00%	7,400	875,561	7,638	875,402	
44 +	2,188	876,183	-5,773	875,911	-5,500	2,00%	875,981	875,801	0,180	-2,00%	7,400	875,653	7,677	875,468	
44 +	10,000	876,373	-5,639	876,234	-5,500	2,00%	876,108	876,124	-0,016	-2,00%	7,400	875,976	7,746	875,745	
45 +	0,000	876,730	-5,600	876,630	-5,500	2,00%	876,505	876,520	-0,015	-2,00%	7,400	876,372	7,718	876,160	
45 +	10,000	877,250	-5,743	877,007	-5,500	2,00%	876,952	876,897	0,055	-2,00%	7,400	876,749	7,654	876,580	
46 +	0,000	877,485	-5,620	877,365	-5,500	2,00%	877,326	877,255	0,071	-2,00%	7,400	877,107	7,734	876,885	
46 +	10,000	878,051	-5,847	877,704	-5,500	2,00%	877,751	877,594	0,157	-2,00%	7,400	877,446	7,776	877,196	
47 +	0,000	878,183	-5,660	878,024	-5,500	2,00%	877,869	877,914	-0,045	-2,00%	7,400	877,766	7,807	877,494	
47 +	10,000	878,714	-5,890	878,324	-5,500	2,00%	878,464	878,214	0,250	-2,00%	7,400	878,066	7,705	877,863	
48 +	0,000	879,297	-6,191	878,605	-5,500	2,00%	878,610	878,495	0,115	-2,00%	7,400	878,347	7,425	878,372	
48 +	10,000	879,583	-6,216	878,867	-5,500	2,00%	878,838	878,757	0,081	-2,00%	7,400	878,609	7,413	878,601	
49 +	0,000	879,589	-5,979	879,110	-5,500	2,00%	879,066	879,000	0,066	-2,00%	7,400	878,852	7,437	878,827	
49 +	10,000	879,591	-5,757	879,334	-5,500	2,00%	879,336	879,224	0,112	-2,00%	7,400	879,076	7,465	879,141	
50 +	0,000	880,279	-6,241	879,538	-5,500	2,00%	879,672	879,428	0,244	-2,00%	7,400	879,280	7,738	879,618	
50 +	2,188	880,275	-6,195	879,580	-5,500	2,00%	879,790	879,470	0,320	-2,00%	7,400	879,322	7,721	879,643	
50 +	10,000	880,334	-6,105	879,729	-5,500	2,00%	880,124	879,619	0,505	-2,00%	7,400	879,471	7,663	879,734	
51 +	0,000	880,745	-6,326	879,920	-5,500	2,00%	880,091	879,810	0,281	-2,00%	7,400	879,662	7,720	879,982	
51 +	10,000	880,979	-6,369	880,110	-5,500	2,00%	880,413	880,000	0,413	-2,00%	7,400	879,852	7,763	880,215	
52 +	0,000	880,704	-5,904	880,301	-5,500	2,00%	880,639	880,191	0,448	-2,00%	7,400	880,043	7,741	880,383	
52 +	10,000	880,850	-5,868	880,401	-5,500	2,00%	880,660	880,381	0,279	-2,00%	7,400	880,233	7,731	880,561	



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
53 +	0,000	881,518	-6,336	880,682	-5,500	2,00%	880,842	880,572	0,270	-2,00%	7,400	880,424	7,729	880,752
53 +	10,000	881,714	-6,342	880,872	-5,500	2,00%	881,043	880,762	0,281	-2,00%	7,400	880,614	7,852	881,066
54 +	0,000	881,773	-6,211	881,063	-5,500	2,00%	881,313	880,953	0,360	-2,00%	7,400	880,805	7,974	881,378
54 +	10,000	881,644	-5,891	881,253	-5,500	2,00%	881,694	881,143	0,551	-2,00%	7,400	880,995	8,103	881,698
55 +	0,000	882,247	-6,303	881,444	-5,500	2,00%	881,981	881,334	0,647	-2,00%	7,400	881,186	7,997	881,782
55 +	10,000	882,462	-6,328	881,634	-5,500	2,00%	882,049	881,524	0,525	-2,00%	7,400	881,376	7,967	881,944
56 +	0,000	882,470	-6,145	881,825	-5,500	2,00%	882,242	881,715	0,527	-2,00%	7,400	881,567	8,103	882,270
56 +	10,000	882,540	-6,024	882,015	-5,500	2,00%	882,513	881,905	0,608	-2,00%	7,400	881,757	8,146	882,504
57 +	0,000	882,682	-5,976	882,206	-5,500	2,00%	882,635	882,096	0,539	-2,00%	7,400	881,948	8,075	882,623
57 +	10,000	883,190	-6,294	882,396	-5,500	2,00%	882,756	882,286	0,470	-2,00%	7,400	882,138	8,003	882,741
58 +	0,000	883,391	-6,304	882,587	-5,500	2,00%	883,058	882,477	0,581	-2,00%	7,400	882,329	8,006	882,935
58 +	10,000	883,383	-6,106	882,777	-5,500	2,00%	883,228	882,667	0,561	-2,00%	7,400	882,519	7,968	883,087
59 +	0,000	883,717	-6,250	882,968	-5,500	2,00%	883,452	882,858	0,594	-2,00%	7,400	882,710	8,006	883,315
59 +	10,000	884,017	-6,359	883,158	-5,500	2,00%	883,641	883,048	0,593	-2,00%	7,400	882,900	8,155	883,656
60 +	0,000	884,220	-6,371	883,349	-5,500	2,00%	883,765	883,239	0,526	-2,00%	7,400	883,091	7,875	883,566
60 +	10,000	884,218	-6,178	883,540	-5,500	2,00%	884,105	883,430	0,675	-2,00%	7,400	883,282	7,641	883,523
61 +	0,000	884,537	-6,307	883,730	-5,500	2,00%	884,430	883,620	0,810	-2,00%	7,400	883,472	8,029	884,101
61 +	10,000	884,719	-6,299	883,921	-5,500	2,00%	884,667	883,811	0,856	-2,00%	7,400	883,663	8,228	884,490
62 +	0,000	884,664	-6,053	884,111	-5,500	2,00%	884,655	884,001	0,654	-2,00%	7,400	883,853	8,035	884,488
62 +	10,000	885,103	-6,301	884,302	-5,500	2,00%	884,613	884,192	0,421	-2,00%	7,400	884,044	7,654	884,297
63 +	0,000	885,019	-6,026	884,492	-5,500	2,00%	884,591	884,382	0,209	-2,00%	7,400	884,234	7,620	884,088
63 +	10,000	885,169	-5,987	884,683	-5,500	2,00%	884,783	884,573	0,210	-2,00%	7,400	884,425	8,201	883,891
64 +	0,000	885,363	-5,990	884,873	-5,500	2,00%	884,830	884,763	0,067	-2,00%	7,400	884,615	8,466	883,905
64 +	10,000	885,616	-6,053	885,064	-5,500	2,00%	884,933	884,954	-0,021	-2,00%	7,400	884,806	8,695	883,942
65 +	0,000	885,765	-6,011	885,254	-5,500	2,00%	885,214	885,144	0,070	-2,00%	7,400	884,996	9,091	883,869
65 +	10,000	886,192	-6,247	885,445	-5,500	2,00%	885,283	885,335	-0,052	-2,00%	7,400	885,187	9,286	883,930
66 +	0,000	886,017	-5,882	885,635	-5,500	2,00%	885,493	885,525	-0,032	-2,00%	7,400	885,377	9,161	884,204
66 +	10,000	886,237	-5,911	885,826	-5,500	2,00%	885,771	885,716	0,055	-2,00%	7,400	885,568	8,871	884,587
67 +	0,000	886,562	-6,045	886,016	-5,500	2,00%	885,941	885,906	0,035	-2,00%	7,400	885,758	7,796	885,191



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA	LADO ESQUERDO						EIXO			LADO DIREITO				
	OFFSET		BORDO			COTA			BORDO		OFFSET			
	COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA	
67 +	10,000	886,620	-5,913	886,207	-5,500	2,00%	886,453	886,097	0,356	-2,00%	7,400	885,949	7,603	886,152
68 +	0,000	886,923	-6,026	886,397	-5,500	2,00%	886,530	886,287	0,243	-2,00%	7,400	886,139	7,544	886,284
68 +	10,000	887,231	-6,143	886,588	-5,500	2,00%	886,787	886,478	0,309	-2,00%	7,400	886,330	8,159	887,089
69 +	0,000	887,142	-5,863	886,779	-5,500	2,00%	887,037	886,669	0,368	-2,00%	7,400	886,521	7,668	886,789
69 +	10,000	887,376	-5,907	886,969	-5,500	2,00%	886,978	886,859	0,119	-2,00%	7,400	886,711	8,778	885,793
70 +	0,000	887,707	-6,047	887,160	-5,500	2,00%	887,238	887,050	0,188	-2,00%	7,400	886,902	8,920	885,888
70 +	0,103	887,712	-6,051	887,162	-5,500	2,00%	887,241	887,052	0,189	-2,00%	7,400	886,904	8,914	885,894
70 +	10,000	888,198	-6,348	887,350	-5,500	2,00%	887,546	887,240	0,306	-2,00%	7,400	887,092	8,343	886,463
71 +	0,000	887,968	-5,927	887,541	-5,500	2,00%	887,610	887,431	0,179	-2,00%	7,400	887,283	7,785	887,026
71 +	10,000	888,587	-6,356	887,731	-5,500	2,00%	888,059	887,621	0,438	-2,00%	7,400	887,473	7,403	887,476
72 +	0,000	888,367	-5,946	887,922	-5,500	2,00%	888,165	887,812	0,353	-2,00%	7,400	887,664	7,447	887,711
72 +	10,000	888,822	-6,210	888,112	-5,500	2,00%	888,402	888,002	0,400	-2,00%	7,400	887,854	7,678	888,132
73 +	0,000	889,116	-6,314	888,303	-5,500	2,00%	888,622	888,193	0,429	-2,00%	7,400	888,045	7,474	888,119
73 +	10,000	889,291	-6,297	888,493	-5,500	2,00%	888,934	888,383	0,551	-2,00%	7,400	888,235	7,466	888,191
74 +	0,000	889,363	-6,179	888,684	-5,500	2,00%	888,932	888,574	0,358	-2,00%	7,400	888,426	7,500	888,359
74 +	10,000	889,948	-6,574	888,874	-5,500	2,00%	889,294	888,764	0,530	-2,00%	7,400	888,616	7,420	888,636
75 +	0,000	890,121	-6,556	889,065	-5,500	2,00%	889,723	888,955	0,768	-2,00%	7,400	888,807	7,455	888,861
75 +	10,000	890,368	-6,612	889,255	-5,500	2,00%	889,768	889,145	0,623	-2,00%	7,400	888,997	7,512	889,110
76 +	0,000	890,571	-6,625	889,446	-5,500	2,00%	890,114	889,336	0,778	-2,00%	7,400	889,188	7,901	889,689
76 +	10,000	890,880	-6,743	889,636	-5,500	2,00%	890,474	889,526	0,948	-2,00%	7,400	889,378	7,860	889,838
77 +	0,000	891,086	-6,759	889,827	-5,500	2,00%	890,787	889,717	1,070	-2,00%	7,400	889,569	8,176	890,345
77 +	10,000	891,280	-6,762	890,017	-5,500	2,00%	891,081	889,907	1,174	-2,00%	7,400	889,759	8,283	890,643
78 +	0,000	891,465	-6,757	890,208	-5,500	2,00%	891,354	890,098	1,256	-2,00%	7,400	889,950	8,312	890,862
78 +	2,188	891,536	-6,786	890,250	-5,500	2,00%	891,412	890,140	1,272	-2,00%	7,400	889,992	8,315	890,906
78 +	10,000	891,770	-6,865	890,405	-5,500	2,00%	891,596	890,295	1,301	-2,00%	7,400	890,147	8,326	891,073
79 +	0,000	891,841	-6,717	890,624	-5,500	2,00%	891,584	890,514	1,070	-2,00%	7,400	890,366	8,261	891,227
79 +	10,000	892,340	-6,975	890,865	-5,500	2,00%	892,178	890,755	1,423	-2,00%	7,400	890,607	8,334	891,541
80 +	0,000	892,565	-6,937	891,128	-5,500	2,00%	892,454	891,018	1,436	-2,00%	7,400	890,870	8,262	891,732
80 +	2,188	892,613	-6,925	891,188	-5,500	2,00%	892,508	891,078	1,420	-2,00%	7,400	890,930	8,274	891,804



NOTAS DE SERVIÇOS DE TERRAPLENAGEM - REVERSÃO



ESTACA			LADO ESQUERDO					EIXO			LADO DIREITO				
			OFFSET		BORDO			COTA			BORDO			OFFSET	
			COTA	DIST	COTA	DIST	INCL	TERRENO	PROJETO	C(+)/A(-)	INCL	DIST	COTA	DIST	COTA
80	+	10,000	892,777	-6,871	891,406	-5,500	2,00%	892,696	891,296	1,400	-2,00%	7,400	891,148	8,187	891,935
81	+	0,000	892,969	-6,784	891,685	-5,500	2,00%	892,928	891,575	1,353	-2,00%	7,400	891,427	8,076	892,103
81	+	10,000	893,153	-6,690	891,963	-5,500	2,00%	893,112	891,853	1,259	-2,00%	7,400	891,705	8,057	892,362
82	+	0,000	893,119	-6,377	892,242	-5,500	2,00%	893,148	892,132	1,016	-2,00%	7,400	891,984	7,989	892,573
82	+	10,000	893,623	-6,602	892,521	-5,500	2,00%	893,652	892,411	1,241	-2,00%	7,400	892,263	8,334	893,197
83	+	0,000	893,895	-6,595	892,800	-5,500	2,00%	893,663	892,690	0,973	-2,00%	7,400	892,542	8,232	893,373
83	+	10,000	894,055	-6,476	893,078	-5,500	2,00%	894,210	892,968	1,242	-2,00%	7,400	892,820	8,367	893,787
84	+	0,000	894,371	-6,514	893,357	-5,500	2,00%	894,361	893,247	1,114	-2,00%	7,400	893,099	8,165	893,864
84	+	10,000	894,573	-6,437	893,636	-5,500	2,00%	894,666	893,526	1,140	-2,00%	7,400	893,378	8,501	894,479
85	+	0,000	894,750	-6,336	893,914	-5,500	2,00%	894,910	893,804	1,106	-2,00%	7,400	893,656	8,546	894,802
85	+	10,000	894,980	-6,286	894,193	-5,500	2,00%	895,147	894,083	1,064	-2,00%	7,400	893,935	8,316	894,852
85	+	10,031	894,980	-6,286	894,194	-5,500	2,00%	895,147	894,084	1,063	-2,00%	7,400	893,936	8,315	894,851
86	+	0,000	895,186	-6,248	894,439	-5,500	1,40%	895,173	894,362	0,811	-2,00%	7,400	894,214	8,443	895,257
86	+	0,920	895,206	-6,244	894,461	-5,500	1,34%	895,234	894,388	0,846	-2,00%	7,400	894,240	8,457	895,296
86	+	10,000	895,509	-6,325	894,684	-5,500	0,79%	895,797	894,641	1,156	-2,00%	7,400	894,493	8,464	895,556
87	+	0,000	895,753	-6,323	894,929	-5,500	0,18%	895,834	894,919	0,915	-2,00%	7,400	894,771	8,235	895,606
87	+	10,000	896,120	-6,445	895,175	-5,500	-0,42%	896,349	895,198	1,151	-2,00%	7,400	895,050	8,477	896,127
88	+	0,000	896,226	-6,306	895,420	-5,500	-1,03%	896,346	895,477	0,869	-2,00%	7,400	895,329	8,092	896,021
88	+	10,000	896,509	-6,343	895,666	-5,500	-1,64%	896,942	895,756	1,186	-2,00%	7,400	895,608	8,215	896,423
88	+	16,031	896,705	-6,391	895,814	-5,500	-2,00%	897,101	895,924	1,177	-2,00%	7,400	895,776	8,314	896,690
89	+	0,000	896,671	-6,246	895,924	-5,500	-2,00%	897,017	896,034	0,983	-2,00%	7,400	895,886	8,125	896,612
89	+	10,000	897,271	-6,568	896,203	-5,500	-2,00%	897,521	896,313	1,208	-2,00%	7,400	896,165	8,257	897,022
90	+	0,000	897,326	-6,344	896,482	-5,500	-2,00%	897,795	896,592	1,203	-2,00%	7,400	896,444	8,390	897,434
90	+	10,000	897,528	-6,267	896,760	-5,500	-2,00%	898,065	896,870	1,195	-2,00%	7,400	896,722	8,356	897,678
91	+	0,000	897,815	-6,276	897,039	-5,500	-2,00%	898,303	897,149	1,154	-2,00%	7,400	897,001	8,374	897,976
91	+	0,921	897,835	-6,270	897,065	-5,500	-2,00%	898,330	897,175	1,155	-2,00%	7,400	897,027	8,376	898,002



3.2. Volumes Eixo 1, 2 e Reversão



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 **EIXO 1**



ESTACA	CORTE					ATERRO				
	FATOR CORR.	ÁREA	VOLUME	VOLUME CORR.	FATOR CORR.	ÁREA	VOLUME	VOLUME CORR.	VOLUME ACUMULADO	
		(m ²)	(m ³)	(m ³)		(m ²)	(m ³)	(m ³)	(m ³)	
0+	0,000	1	0	0	1,3	0	0	0	0	
0+	0,000	1	7,88	1	1,3	0	0	0	1	
1+	1,000	1	7,19	149	1,3	0	0	0	150	
2+	2,000	1	7,42	146	1,3	0	0	0	296	
2+	2,000	1	6,49	70	1,3	0	0	0	365	
3+	3,000	1	6,05	63	1,3	0	0	0	428	
3+	3,000	1	5,58	57	1,3	0	0	0	485	
4+	4,000	1	4,55	51	1,3	0,13	1	1	536	
5+	5,000	1	5,13	97	1,3	0	1	2	631	
5+	5,000	1	5,47	31	1,3	0	0	0	662	
6+	6,000	1	6,59	86	1,3	0	0	0	747	
7+	7,000	1	6,33	129	1,3	0,7	7	9	868	
7+	7,000	1	5,08	19	1,3	1,3	3	4	883	
8+	8,000	1	1,59	55	1,3	4,9	51	67	871	
9+	9,000	1	0,85	24	1,3	5,66	106	137	758	
10+	10,000	1	0	8	1,3	4,39	101	131	636	
11+	11,000	1	0,04	0	1,3	4,48	89	115	521	
12+	12,000	1	2,78	28	1,3	0,28	48	62	487	
13+	13,000	1	3,03	58	1,3	0,01	3	4	542	
14+	14,000	1	6,75	98	1,3	0	0	0	639	
15+	15,000	1	8,09	148	1,3	0	0	0	788	
16+	16,000	1	0	81	1,3	2,41	24	31	837	
17+	17,000	1	0	0	1,3	4,83	72	94	743	
18+	18,000	1	0,13	1	1,3	4,41	92	120	624	
19+	19,000	1	0	1	1,3	5,23	96	125	500	
20+	20,000	1	0,11	1	1,3	5,07	103	134	368	
21+	21,000	1	0	1	1,3	7,58	127	164	204	
22+	22,000	1	0	0	1,3	7,82	154	200	4	
23+	23,000	1	0	0	1,3	9,74	176	228	-224	
24+	24,000	1	0	0	1,3	9,23	190	247	-471	
25+	25,000	1	0,24	2	1,3	4,78	140	182	-651	
26+	26,000	1	0	2	1,3	10,88	157	204	-852	
27+	27,000	1	0,1	1	1,3	5,36	162	211	-1062	
28+	28,000	1	0	1	1,3	21,66	270	351	-1412	
29+	29,000	1	0	0	1,3	19,31	410	533	-1945	
30+	30,000	1	0	0	1,3	10,06	294	382	-2327	
31+	31,000	1	0,47	5	1,3	5,07	151	197	-2519	
32+	32,000	1	0,75	12	1,3	4,66	97	126	-2633	
33+	33,000	1	0,09	8	1,3	6,05	107	139	-2764	
34+	34,000	1	0	1	1,3	14,16	202	263	-3026	
35+	35,000	1	0	0	1,3	19,51	337	438	-3463	
36+	36,000	1	0	0	1,3	19,67	392	509	-3973	
37+	37,000	1	0	0	1,3	23,39	431	560	-4532	
38+	38,000	1	0	0	1,3	26,34	497	647	-5179	
39+	39,000	1	0	0	1,3	28,62	550	714	-5893	
40+	40,000	1	0	0	1,3	27,14	558	725	-6618	
41+	41,000	1	0	0	1,3	16,36	435	565	-7184	
42+	42,000	1	0	0	1,3	15,25	316	411	-7595	
43+	43,000	1	0	0	1,3	12,91	282	366	-7961	
44+	44,000	1	0	0	1,3	6,5	194	252	-8213	
45+	45,000	1	0	0	1,3	8,43	149	194	-8407	
46+	46,000	1	0	0	1,3	7,41	158	206	-8613	
47+	47,000	1	0,03	0	1,3	6,55	140	182	-8794	
48+	48,000	1	0	0	1,3	6,9	134	175	-8969	
49+	49,000	1	0	0	1,3	4,31	112	146	-9115	
50+	50,000	1	0,38	4	1,3	4,28	86	112	-9223	
51+	51,000	1	0	4	1,3	6,81	111	144	-9363	



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 **EIXO 1**



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO	
	FATOR CORR.	ÁREA	VOLUME	VOLUME CORR.	FATOR CORR.	ÁREA	VOLUME	VOLUME CORR.		
		(m ²)	(m ³)	(m ³)		(m ²)	(m ³)	(m ³)		
52+	52,000	1	0	0	0	1,3	7,71	145	189	-9552
53+	53,000	1	0	0	0	1,3	6,12	138	180	-9732
54+	54,000	1	0	0	0	1,3	9,62	157	204	-9936
55+	55,000	1	0	0	0	1,3	11,05	207	269	-10205
56+	56,000	1	0	0	0	1,3	10,72	218	283	-10488
57+	57,000	1	0	0	0	1,3	7,44	182	236	-10724
58+	58,000	1	0	0	0	1,3	6,88	143	186	-10910
59+	59,000	1	0,03	0	0	1,3	5,95	128	167	-11076
59+	59,000	1	0,06	1	1	1,3	6,09	70	92	-11167
60+	60,000	1	0,13	1	1	1,3	5,81	49	64	-11231
61+	61,000	1	0	1	1	1,3	10,65	165	214	-11443
61+	61,000	1	0	0	0	1,3	10,55	124	161	-11605
62+	62,000	1	0,12	0	0	1,3	8,84	80	105	-11709
62+	62,000	1	0	1	1	1,3	7,15	130	169	-11876
63+	63,000	1	0	0	0	1,3	5,8	25	32	-11908
64+	64,000	1	2,48	25	25	1,3	0,32	61	80	-11963
65+	65,000	1	6,72	92	92	1,3	0	3	4	-11875
66+	66,000	1	6,1	128	128	1,3	0	0	0	-11747
66+	66,000	1	8,18	69	69	1,3	0	0	0	-11678
66+	66,000	1	8,22	66	66	1,3	0	0	0	-11613
TOTAL GERAL			1830	1830			10340	13443		



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
0 + 0,000	1	2,96	0	0	1,3	0,26	0	0	0
0 + 10,000	1	5,91	44	44	1,3	0	1	2	43
1 + 0,000	1	6,65	63	63	1,3	0,88	4	6	100
1 + 0,890	1	6,64	6	6	1,3	0,98	1	1	105
2 + 0,000	1	3,75	99	99	1,3	3,65	44	58	146
3 + 0,000	1	1,95	57	57	1,3	2,39	60	79	125
3 + 6,182	1	0,72	8	8	1,3	5,31	24	31	102
3 + 17,072	1	0	4	4	1,3	11,71	93	120	-14
4 + 0,000	1	0	0	0	1,3	11,67	34	44	-59
5 + 0,000	1	0	0	0	1,3	8,89	206	267	-326
6 + 0,000	1	0	0	0	1,3	10,83	197	256	-583
6 + 12,182	1	0	0	0	1,3	10,91	132	172	-755
7 + 0,000	1	0,05	0	0	1,3	7,48	72	93	-848
8 + 0,000	1	0	1	1	1,3	11,43	189	246	-1094
9 + 0,000	1	0,41	4	4	1,3	6,31	177	231	-1320
10 + 0,000	1	0	4	4	1,3	11,48	178	231	-1547
11 + 0,000	1	0	0	0	1,3	9,17	207	269	-1816
12 + 0,000	1	0	0	0	1,3	9,22	184	239	-2055
13 + 0,000	1	2,98	30	30	1,3	2,6	118	154	-2179
14 + 0,000	1	0	30	30	1,3	4,82	74	96	-2245
15 + 0,000	1	0	0	0	1,3	5,13	100	129	-2375
16 + 0,000	1	0,12	1	1	1,3	3,81	89	116	-2490
17 + 0,000	1	2,44	26	26	1,3	1,19	50	65	-2529
18 + 0,000	1	2,05	45	45	1,3	1,32	25	33	-2517
19 + 0,000	1	0,14	22	22	1,3	3,97	53	69	-2564
20 + 0,000	1	0	1	1	1,3	2,5	65	84	-2647
21 + 0,000	1	0	0	0	1,3	2,5	50	65	-2712
22 + 0,000	1	0	0	0	1,3	2,81	53	69	-2780
23 + 0,000	1	0	0	0	1,3	5,13	79	103	-2884
24 + 0,000	1	1,57	16	16	1,3	1,28	64	83	-2951
25 + 0,000	1	0	16	16	1,3	3,98	53	68	-3004
26 + 0,000	1	1,87	19	19	1,3	1,94	59	77	-3062
27 + 0,000	1	0	19	19	1,3	4,27	62	81	-3124
28 + 0,000	1	0,1	1	1	1,3	2,4	67	87	-3210
29 + 0,000	1	0	1	1	1,3	3,7	61	79	-3288
30 + 0,000	1	0,34	3	3	1,3	4	77	100	-3385
30 + 10,000	1	0	2	2	1,3	4,55	43	56	-3439
31 + 0,000	1	1,4	7	7	1,3	3,36	40	51	-3483
32 + 0,000	1	1,27	27	27	1,3	3,26	66	86	-3543
33 + 0,000	1	1,14	24	24	1,3	2,97	62	81	-3599
33 + 10,000	1	1,87	15	15	1,3	2,11	25	33	-3617
34 + 0,000	1	2,4	21	21	1,3	1,37	17	23	-3619
35 + 0,000	1	0	24	24	1,3	3,91	53	69	-3663
36 + 0,000	1	0	0	0	1,3	2,86	68	88	-3751
37 + 0,000	1	1,1	11	11	1,3	0,28	31	41	-3781
38 + 0,000	1	7,92	90	90	1,3	0	3	4	-3694
39 + 0,000	1	3,58	115	115	1,3	0	0	0	-3579
40 + 0,000	1	0,66	42	42	1,3	1,08	11	14	-3551
41 + 0,000	1	1,65	23	23	1,3	1,3	24	31	-3559
42 + 0,000	1	1,52	32	32	1,3	2,15	35	45	-3572
43 + 0,000	1	0,56	21	21	1,3	0,71	29	37	-3588
44 + 0,000	1	0,09	7	7	1,3	3,89	46	60	-3642
45 + 0,000	1	0,33	4	4	1,3	2,47	64	83	-3720



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
46 + 0,000	1	0,07	4	4	1,3	2,15	46	60	-3776
47 + 0,000	1	12,9	130	130	1,3	0	22	28	-3675
48 + 0,000	1	17,43	303	303	1,3	0	0	0	-3371
49 + 0,000	1	1,65	191	191	1,3	1,3	13	17	-3197
50 + 0,000	1	0	16	16	1,3	6,36	77	100	-3280
51 + 0,000	1	0,03	0	0	1,3	4,5	109	141	-3421
52 + 0,000	1	0	0	0	1,3	5,68	102	132	-3554
52 + 16,137	1	3,3	27	27	1,3	1,39	57	74	-3601
53 + 0,000	1	1,57	9	9	1,3	2,51	8	10	-3601
54 + 0,000	1	0,15	17	17	1,3	4,75	73	94	-3679
55 + 0,000	1	0,13	3	3	1,3	4,47	92	120	-3796
55 + 11,247	1	0	1	1	1,3	8,52	73	95	-3890
56 + 0,000	1	0	0	0	1,3	9,19	78	101	-3991
56 + 2,137	1	0	0	0	1,3	9,27	20	26	-4016
57 + 0,000	1	0	0	0	1,3	7,74	152	198	-4214
58 + 0,000	1	0	0	0	1,3	7,82	156	202	-4416
59 + 0,000	1	0	0	0	1,3	8,52	163	212	-4629
60 + 0,000	1	0	0	0	1,3	9,24	178	231	-4860
60 + 13,501	1	0	0	0	1,3	8,99	123	160	-5020
61 + 0,000	1	0	0	0	1,3	9,21	59	77	-5096
62 + 0,000	1	0	0	0	1,3	11,03	202	263	-5360
62 + 6,499	1	0	0	0	1,3	11,08	72	93	-5453
62 + 6,502	1	0	0	0	1,3	11,08	0	0	-5453
63 + 0,000	1	0	0	0	1,3	12,73	161	209	-5662
63 + 19,501	1	0	0	0	1,3	13,99	261	339	-6001
64 + 0,000	1	0	0	0	1,3	14	7	9	-6010
65 + 0,000	1	0	0	0	1,3	14,59	286	372	-6381
66 + 0,000	1	0	0	0	1,3	15,85	304	396	-6777
67 + 0,000	1	0	0	0	1,3	15,87	317	412	-7190
68 + 0,000	1	0	0	0	1,3	13,67	295	384	-7574
69 + 0,000	1	0	0	0	1,3	16,85	305	397	-7970
70 + 0,000	1	0	0	0	1,3	17,55	344	447	-8418
71 + 0,000	1	0	0	0	1,3	18,85	364	473	-8891
72 + 0,000	1	0	0	0	1,3	20,4	392	510	-9401
73 + 0,000	1	0	0	0	1,3	21,97	424	551	-9952
74 + 0,000	1	0	0	0	1,3	23,52	455	591	-10543
74 + 4,003	1	0	0	0	1,3	23,42	94	122	-10665
75 + 0,000	1	0	0	0	1,3	23,04	372	483	-11148
75 + 17,002	1	0	0	0	1,3	25,77	415	539	-11688
75 + 17,003	1	0	0	0	1,3	25,77	0	0	-11688
76 + 0,000	1	0	0	0	1,3	25,78	77	100	-11788
77 + 0,000	1	0	0	0	1,3	25,43	512	666	-12454
77 + 10,003	1	0	0	0	1,3	25,87	257	334	-12788
78 + 0,000	1	0	0	0	1,3	24,24	250	326	-13113
79 + 0,000	1	0	0	0	1,3	32,01	562	731	-13845
80 + 0,000	1	0	0	0	1,3	35,65	677	880	-14724
81 + 0,000	1	0	0	0	1,3	28,89	645	839	-15563
82 + 0,000	1	0	0	0	1,3	22,7	516	671	-16234
82 + 1,366	1	0	0	0	1,3	21,72	30	39	-16273
82 + 12,256	1	0	0	0	1,3	17,58	214	278	-16551
83 + 0,000	1	0	0	0	1,3	15,77	129	168	-16719
84 + 0,000	1	0	0	0	1,3	13,74	295	384	-17103
85 + 0,000	1	0	0	0	1,3	13,74	275	357	-17460



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
85 + 7,366	1	0	0	0	1,3	13,1	99	128	-17588
86 + 0,000	1	0	0	0	1,3	13,56	168	219	-17807
87 + 0,000	1	0	0	0	1,3	17,71	313	407	-18214
88 + 0,000	1	0	0	0	1,3	17,74	355	461	-18675
89 + 0,000	1	0,88	9	9	1,3	7,98	257	334	-19000
90 + 0,000	1	0	9	9	1,3	13,25	212	276	-19267
91 + 0,000	1	0	0	0	1,3	10,71	240	311	-19579
92 + 0,000	1	0	0	0	1,3	9,6	203	264	-19843
93 + 0,000	1	0,17	2	2	1,3	5,09	147	191	-20032
94 + 0,000	1	0	2	2	1,3	7,67	128	166	-20196
95 + 0,000	1	0,43	4	4	1,3	5,89	136	176	-20368
96 + 0,000	1	0,54	10	10	1,3	5,73	116	151	-20509
97 + 0,000	1	0,2	7	7	1,3	4,46	102	133	-20635
98 + 0,000	1	0,79	10	10	1,3	4,54	90	117	-20742
99 + 0,000	1	0,75	15	15	1,3	4,21	87	114	-20840
100 + 0,000	1	0,98	17	17	1,3	2,87	71	92	-20915
101 + 0,000	1	0,43	14	14	1,3	2,67	55	72	-20973
102 + 0,000	1	0,96	14	14	1,3	1,92	46	60	-21018
103 + 0,000	1	5,61	66	66	1,3	0,1	20	26	-20979
104 + 0,000	1	4,39	100	100	1,3	0	1	1	-20880
105 + 0,000	1	0,5	49	49	1,3	2,51	25	33	-20864
106 + 0,000	1	0,22	7	7	1,3	2,74	52	68	-20925
107 + 0,000	1	0,8	10	10	1,3	1,9	46	60	-20975
108 + 0,000	1	1,86	27	27	1,3	1,11	30	39	-20988
109 + 0,000	1	0,57	24	24	1,3	1,65	28	36	-20999
110 + 0,000	1	0,18	7	7	1,3	1,64	33	43	-21035
111 + 0,000	1	0,86	10	10	1,3	0,49	21	28	-21052
111 + 7,302	1	2,62	13	13	1,3	0	2	2	-21042
112 + 0,000	1	1,36	25	25	1,3	0,27	2	2	-21019
113 + 0,000	1	1,15	25	25	1,3	0,99	13	16	-21010
114 + 0,000	1	1,74	29	29	1,3	2,11	31	40	-21022
114 + 2,412	1	1,47	4	4	1,3	2,32	5	7	-21025
114 + 13,302	1	0,42	10	10	1,3	2,86	28	37	-21051
115 + 0,000	1	0,29	2	2	1,3	2,72	19	24	-21073
116 + 0,000	1	0,45	7	7	1,3	3,41	61	80	-21145
117 + 0,000	1	0,1	5	5	1,3	4,51	79	103	-21243
118 + 0,000	1	0,14	2	2	1,3	6,57	111	144	-21384
119 + 0,000	1	0	1	1	1,3	7,15	137	178	-21561
120 + 0,000	1	0,35	4	4	1,3	7,26	144	187	-21745
121 + 0,000	1	0,04	4	4	1,3	6,99	143	185	-21927
122 + 0,000	1	1,85	19	19	1,3	4,42	114	148	-22056
123 + 0,000	1	0	18	18	1,3	7,26	117	152	-22189
124 + 0,000	1	0	0	0	1,3	6,73	140	182	-22371
125 + 0,000	1	0	0	0	1,3	6,32	131	170	-22541
126 + 0,000	1	0,18	2	2	1,3	4,33	107	138	-22678
127 + 0,000	1	7,42	76	76	1,3	2,96	73	95	-22696
128 + 0,000	1	0,66	81	81	1,3	3,56	65	85	-22700
129 + 0,000	1	0,23	9	9	1,3	5,49	91	118	-22809
130 + 0,000	1	0,13	4	4	1,3	4,55	100	131	-22936
131 + 0,000	1	0,82	9	9	1,3	2,52	71	92	-23019
132 + 0,000	1	1,87	27	27	1,3	1,85	44	57	-23049
133 + 0,000	1	1,52	34	34	1,3	2,49	43	56	-23071
134 + 0,000	1	0,09	16	16	1,3	2,47	50	64	-23120



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
134 + 14,553	1	0,04	1	1	1,3	3,14	41	53	-23172
135 + 0,000	1	0	0	0	1,3	3,65	18	24	-23196
135 + 5,443	1	0	0	0	1,3	4,17	21	28	-23223
136 + 0,000	1	0	0	0	1,3	4,77	65	85	-23308
137 + 0,000	1	0	0	0	1,3	4,97	97	127	-23435
138 + 0,000	1	0	0	0	1,3	4,27	92	120	-23555
138 + 0,553	1	0	0	0	1,3	4,28	2	3	-23558
139 + 0,000	1	0	0	0	1,3	6,57	106	137	-23695
140 + 0,000	1	0,05	1	1	1,3	6,7	133	172	-23867
141 + 0,000	1	1,97	20	20	1,3	1,77	85	110	-23957
142 + 0,000	1	2,04	40	40	1,3	1,69	35	45	-23962
143 + 0,000	1	2,46	45	45	1,3	0,98	27	35	-23951
144 + 0,000	1	0,47	29	29	1,3	0,19	12	15	-23937
145 + 0,000	1	0,05	5	5	1,3	5,55	57	75	-24007
146 + 0,000	1	0,4	5	5	1,3	4,69	102	133	-24135
147 + 0,000	1	0,27	7	7	1,3	4,42	91	118	-24247
148 + 0,000	1	0,09	4	4	1,3	4,96	94	122	-24365
149 + 0,000	1	0	1	1	1,3	6,17	111	145	-24509
150 + 0,000	1	0	0	0	1,3	7,97	141	184	-24693
151 + 0,000	1	1,37	14	14	1,3	4,88	128	167	-24846
152 + 0,000	1	0,27	16	16	1,3	6,47	113	148	-24977
153 + 0,000	1	0,49	8	8	1,3	5,35	118	154	-25123
154 + 0,000	1	0,04	5	5	1,3	4,42	98	127	-25245
155 + 0,000	1	0,01	1	1	1,3	5,62	100	131	-25375
156 + 0,000	1	0,01	0	0	1,3	5,67	113	147	-25522
157 + 0,000	1	0,02	0	0	1,3	4,89	106	137	-25659
158 + 0,000	1	0,02	0	0	1,3	4,6	95	123	-25782
159 + 0,000	1	0,07	1	1	1,3	5,15	97	127	-25907
160 + 0,000	1	0,09	2	2	1,3	4,75	99	129	-26034
161 + 0,000	1	0,7	8	8	1,3	3,48	82	107	-26134
162 + 0,000	1	1,18	19	19	1,3	3,15	66	86	-26201
163 + 0,000	1	1,49	27	27	1,3	2,18	53	69	-26244
164 + 0,000	1	0,15	16	16	1,3	4,57	67	88	-26315
165 + 0,000	1	0,04	2	2	1,3	4,84	94	122	-26435
166 + 0,000	1	1,15	12	12	1,3	3,72	86	111	-26535
167 + 0,000	1	0,29	14	14	1,3	3,99	77	100	-26620
168 + 0,000	1	1,12	14	14	1,3	3,46	74	97	-26703
169 + 0,000	1	0,45	16	16	1,3	3,46	69	90	-26778
170 + 0,000	1	2,36	28	28	1,3	2	55	71	-26821
171 + 0,000	1	1,94	43	43	1,3	2,34	43	56	-26834
172 + 0,000	1	0,38	23	23	1,3	3,15	55	71	-26882
173 + 0,000	1	1,2	16	16	1,3	3,68	68	89	-26955
174 + 0,000	1	0,1	13	13	1,3	4,65	83	108	-27050
175 + 0,000	1	0	1	1	1,3	6,33	110	143	-27192
176 + 0,000	1	0,05	1	1	1,3	7,33	137	178	-27369
177 + 0,000	1	0,01	1	1	1,3	8,69	160	208	-27577
178 + 0,000	1	0	0	0	1,3	10,6	193	251	-27828
179 + 0,000	1	0	0	0	1,3	9,97	206	267	-28095
180 + 0,000	1	0	0	0	1,3	13,03	230	299	-28394
181 + 0,000	1	0	0	0	1,3	12,96	260	338	-28732
182 + 0,000	1	0	0	0	1,3	10,12	231	300	-29032
183 + 0,000	1	0	0	0	1,3	16,97	271	352	-29384
184 + 0,000	1	0	0	0	1,3	18,73	357	464	-29848



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
185 + 0,000	1	0	0	0	1,3	16,82	356	462	-30310
186 + 0,000	1	0	0	0	1,3	10,09	269	350	-30660
187 + 0,000	1	0,27	3	3	1,3	7,25	173	225	-30883
188 + 0,000	1	4,24	45	45	1,3	0,19	74	97	-30934
189 + 0,000	1	8,75	130	130	1,3	0	2	2	-30807
190 + 0,000	1	8,24	170	170	1,3	0	0	0	-30637
191 + 0,000	1	10,56	188	188	1,3	0	0	0	-30449
192 + 0,000	1	16,99	275	275	1,3	0	0	0	-30174
193 + 0,000	1	17,13	341	341	1,3	0	0	0	-29832
194 + 0,000	1	18,04	352	352	1,3	0	0	0	-29481
195 + 0,000	1	20,23	383	383	1,3	0	0	0	-29098
196 + 0,000	1	19,64	399	399	1,3	0	0	0	-28699
197 + 0,000	1	21,68	413	413	1,3	0	0	0	-28286
198 + 0,000	1	27,78	495	495	1,3	0	0	0	-27792
199 + 0,000	1	21,54	493	493	1,3	0	0	0	-27298
199 + 12,505	1	17,85	246	246	1,3	0	0	0	-27052
200 + 0,000	1	16,35	128	128	1,3	0	0	0	-26924
201 + 0,000	1	18,83	352	352	1,3	0	0	0	-26572
202 + 0,000	1	14,85	337	337	1,3	0	0	0	-26235
202 + 7,615	1	15,55	116	116	1,3	0	0	0	-26119
202 + 18,505	1	16,57	175	175	1,3	0	0	0	-25944
203 + 0,000	1	16,7	25	25	1,3	0	0	0	-25920
204 + 0,000	1	13,69	304	304	1,3	0	0	0	-25616
205 + 0,000	1	5,01	187	187	1,3	0	0	0	-25429
206 + 0,000	1	2,26	73	73	1,3	0,12	1	2	-25358
207 + 0,000	1	1,1	34	34	1,3	0,11	2	3	-25327
207 + 9,868	1	3,98	25	25	1,3	0,3	2	3	-25305
208 + 0,000	1	3,5	38	38	1,3	0,43	4	5	-25272
209 + 0,000	1	0	35	35	1,3	4,99	54	71	-25307
209 + 2,867	1	0	0	0	1,3	7,04	17	22	-25330
209 + 2,869	1	0	0	0	1,3	7,04	0	0	-25330
210 + 0,000	1	0	0	0	1,3	14,79	187	243	-25573
210 + 15,868	1	0	0	0	1,3	22,7	297	387	-25959
211 + 0,000	1	0	0	0	1,3	26,03	101	131	-26090
212 + 0,000	1	0	0	0	1,3	37,71	637	829	-26919
213 + 0,000	1	0	0	0	1,3	36,32	740	962	-27881
214 + 0,000	1	0	0	0	1,3	16,56	529	687	-28569
215 + 0,000	1	1,66	17	17	1,3	7,07	236	307	-28859
216 + 0,000	1	0	17	17	1,3	39,55	466	606	-29449
217 + 0,000	1	0	0	0	1,3	64,33	1039	1351	-30799
218 + 0,000	1	0	0	0	1,3	63,93	1283	1667	-32467
219 + 0,000	1	0	0	0	1,3	71,38	1353	1759	-34226
220 + 0,000	1	0	0	0	1,3	61,75	1331	1731	-35957
221 + 0,000	1	0	0	0	1,3	55,81	1176	1528	-37485
221 + 0,371	1	0	0	0	1,3	55,84	21	27	-37512
222 + 0,000	1	0	0	0	1,3	70,12	1236	1607	-39119
222 + 13,371	1	0	0	0	1,3	66,56	914	1188	-40307
222 + 13,372	1	0	0	0	1,3	66,56	0	0	-40307
223 + 0,000	1	0	0	0	1,3	59,63	418	544	-40851
224 + 0,000	1	0	0	0	1,3	35,96	956	1243	-42093
224 + 6,371	1	0	0	0	1,3	31,83	216	281	-42374
225 + 0,000	1	0	0	0	1,3	24,83	386	502	-42876
226 + 0,000	1	0	0	0	1,3	18,15	430	559	-43435



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
227 + 0,000	1	0	0	0	1,3	19,6	378	491	-43925
228 + 0,000	1	0	0	0	1,3	18,87	385	500	-44426
228 + 17,734	1	0	0	0	1,3	9,13	248	323	-44749
229 + 0,000	1	0	0	0	1,3	9,12	21	27	-44775
229 + 8,624	1	0	0	0	1,3	8,86	78	101	-44876
230 + 0,000	1	0	0	0	1,3	6,95	90	117	-44993
231 + 0,000	1	0,85	9	9	1,3	3,15	101	131	-45116
232 + 0,000	1	1,32	22	22	1,3	1,29	44	58	-45152
232 + 3,734	1	1,24	5	5	1,3	1,41	5	7	-45153
233 + 0,000	1	1,73	24	24	1,3	1,92	27	35	-45165
234 + 0,000	1	6,46	82	82	1,3	0	19	25	-45108
235 + 0,000	1	10,99	174	174	1,3	0	0	0	-44933
235 + 15,040	1	8,83	149	149	1,3	0	0	0	-44784
236 + 0,000	1	7,89	41	41	1,3	0	0	0	-44743
237 + 0,000	1	2,59	105	105	1,3	0,43	4	6	-44644
238 + 0,000	1	0	26	26	1,3	4,09	45	59	-44676
238 + 10,150	1	0	0	0	1,3	9,07	67	87	-44763
239 + 0,000	1	0	0	0	1,3	11,8	103	134	-44897
239 + 1,040	1	0	0	0	1,3	12,2	12	16	-44913
240 + 0,000	1	0	0	0	1,3	18,87	295	383	-45296
241 + 0,000	1	0	0	0	1,3	22,44	413	537	-45833
242 + 0,000	1	0	0	0	1,3	24,41	469	609	-46442
243 + 0,000	1	0	0	0	1,3	24,15	486	631	-47073
244 + 0,000	1	0	0	0	1,3	25,34	495	643	-47717
245 + 0,000	1	0	0	0	1,3	28,02	534	694	-48410
246 + 0,000	1	0	0	0	1,3	22,14	502	652	-49062
247 + 0,000	1	0	0	0	1,3	16,59	387	504	-49566
248 + 0,000	1	0	0	0	1,3	12,93	295	384	-49950
249 + 0,000	1	0	0	0	1,3	9,95	229	297	-50247
250 + 0,000	1	0	0	0	1,3	10,49	204	266	-50513
251 + 0,000	1	0	0	0	1,3	9,38	199	258	-50771
252 + 0,000	1	0,23	2	2	1,3	2,1	115	149	-50918
253 + 0,000	1	7,92	82	82	1,3	0	21	27	-50864
254 + 0,000	1	14,65	226	226	1,3	0	0	0	-50638
254 + 0,778	1	14,89	11	11	1,3	0	0	0	-50627
254 + 11,668	1	16,27	170	170	1,3	0	0	0	-50457
255 + 0,000	1	12,49	120	120	1,3	0	0	0	-50337
256 + 0,000	1	9,23	217	217	1,3	0	0	0	-50120
257 + 0,000	1	23,03	323	323	1,3	0	0	0	-49797
257 + 6,778	1	16,77	135	135	1,3	0	0	0	-49662
258 + 0,000	1	11,78	189	189	1,3	0	0	0	-49474
259 + 0,000	1	12,49	243	243	1,3	0	0	0	-49231
260 + 0,000	1	19,73	322	322	1,3	0	0	0	-48909
261 + 0,000	1	25,12	448	448	1,3	0	0	0	-48460
261 + 6,646	1	25,78	169	169	1,3	0	0	0	-48291
262 + 0,000	1	8,96	232	232	1,3	0	0	0	-48059
263 + 0,000	1	6,33	153	153	1,3	0	0	0	-47906
264 + 0,000	1	0,35	67	67	1,3	5,44	54	71	-47910
264 + 1,756	1	0,08	0	0	1,3	6,14	10	13	-47923
264 + 12,646	1	0,28	2	2	1,3	9,7	86	112	-48033
265 + 0,000	1	0,19	2	2	1,3	8,5	67	87	-48118
266 + 0,000	1	0,43	6	6	1,3	10,02	185	241	-48353
267 + 0,000	1	30,27	307	307	1,3	0	100	130	-48176



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
268 + 0,000	1	52,19	825	825	1,3	0	0	0	-47351
269 + 0,000	1	58,59	1108	1108	1,3	0	0	0	-46244
270 + 0,000	1	66,09	1247	1247	1,3	0	0	0	-44997
271 + 0,000	1	73,1	1392	1392	1,3	0	0	0	-43605
271 + 9,084	1	72,73	662	662	1,3	0	0	0	-42943
271 + 19,974	1	74,46	801	801	1,3	0	0	0	-42141
272 + 0,000	1	74,45	2	2	1,3	0	0	0	-42139
273 + 0,000	1	86,35	1608	1608	1,3	0	0	0	-40531
274 + 0,000	1	102,18	1885	1885	1,3	0	0	0	-38646
274 + 15,084	1	108,77	1591	1591	1,3	0	0	0	-37055
275 + 0,000	1	101,04	516	516	1,3	0	0	0	-36539
276 + 0,000	1	108,36	2094	2094	1,3	0	0	0	-34445
277 + 0,000	1	84,99	1933	1933	1,3	0	0	0	-32512
278 + 0,000	1	60,17	1452	1452	1,3	0	0	0	-31060
279 + 0,000	1	44,27	1044	1044	1,3	0	0	0	-30016
279 + 9,770	1	38,44	404	404	1,3	0	0	0	-29612
280 + 0,000	1	33,39	367	367	1,3	0	0	0	-29244
281 + 0,000	1	19,72	531	531	1,3	0	0	0	-28713
282 + 0,000	1	15,43	351	351	1,3	0	0	0	-28362
282 + 4,880	1	15,16	75	75	1,3	0	0	0	-28287
282 + 15,770	1	14,68	162	162	1,3	0	0	0	-28124
283 + 0,000	1	12,34	57	57	1,3	0	0	0	-28067
284 + 0,000	1	8,16	205	205	1,3	0	0	0	-27862
285 + 0,000	1	7,46	156	156	1,3	0	0	0	-27706
286 + 0,000	1	0,54	80	80	1,3	1,55	15	20	-27646
287 + 0,000	1	0	5	5	1,3	6,83	84	109	-27750
288 + 0,000	1	0	0	0	1,3	8,25	151	196	-27946
289 + 0,000	1	0,02	0	0	1,3	13,48	217	282	-28228
290 + 0,000	1	0	0	0	1,3	20,08	336	436	-28664
290 + 9,397	1	0	0	0	1,3	21,26	194	253	-28917
291 + 0,000	1	0	0	0	1,3	23,02	235	305	-29222
291 + 0,287	1	0	0	0	1,3	23	7	9	-29230
292 + 0,000	1	0	0	0	1,3	13,91	364	473	-29703
293 + 0,000	1	0	0	0	1,3	13,58	275	357	-30061
293 + 15,397	1	0	0	0	1,3	12,93	204	265	-30326
294 + 0,000	1	0	0	0	1,3	13,64	61	79	-30405
295 + 0,000	1	0	0	0	1,3	16,81	305	396	-30801
296 + 0,000	1	0	0	0	1,3	17,93	347	452	-31253
297 + 0,000	1	0	0	0	1,3	21,53	395	513	-31766
298 + 0,000	1	0	0	0	1,3	24,23	458	595	-32361
299 + 0,000	1	0	0	0	1,3	23,01	472	614	-32975
300 + 0,000	1	0	0	0	1,3	21	440	572	-33547
300 + 5,000	1	0	0	0	1,3	20,77	104	136	-33683
301 + 0,000	1	0	0	0	1,3	21,51	317	412	-34095
302 + 0,000	1	0	0	0	1,3	28,95	505	656	-34751
303 + 0,000	1	0	0	0	1,3	35,24	642	834	-35586
304 + 0,000	1	0	0	0	1,3	40,06	753	979	-36564
305 + 0,000	1	0	0	0	1,3	26,47	665	865	-37429
305 + 15,000	1	0	0	0	1,3	21,01	356	463	-37892
306 + 0,000	1	0	0	0	1,3	20,47	104	135	-38027
307 + 0,000	1	0	0	0	1,3	14,82	353	459	-38486
308 + 0,000	1	0	0	0	1,3	8,42	232	302	-38788
309 + 0,000	1	0	0	0	1,3	7,87	163	212	-39000



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
310 + 0,000	1	0	0	0	1,3	4,35	122	159	-39159
311 + 0,000	1	0,61	6	6	1,3	3,22	76	98	-39251
312 + 0,000	1	0,02	6	6	1,3	6,09	93	121	-39366
313 + 0,000	1	0	0	0	1,3	4,63	107	139	-39505
314 + 0,000	1	0,05	0	0	1,3	2,11	67	88	-39592
315 + 0,000	1	0,61	7	7	1,3	0,23	23	30	-39616
316 + 0,000	1	1,46	21	21	1,3	0	2	3	-39599
317 + 0,000	1	3,26	47	47	1,3	0	0	0	-39551
318 + 0,000	1	3,59	68	68	1,3	0	0	0	-39483
319 + 0,000	1	3,61	72	72	1,3	0	0	0	-39411
320 + 0,000	1	3,23	68	68	1,3	0	0	0	-39343
321 + 0,000	1	2,63	59	59	1,3	0	0	0	-39284
322 + 0,000	1	0,9	35	35	1,3	0,26	3	3	-39252
323 + 0,000	1	0,01	9	9	1,3	0,88	11	15	-39258
324 + 0,000	1	0,16	2	2	1,3	0,48	14	18	-39274
325 + 0,000	1	0,06	2	2	1,3	1,62	21	27	-39299
326 + 0,000	1	0,58	6	6	1,3	1,24	29	37	-39330
327 + 0,000	1	0,01	6	6	1,3	1,06	23	30	-39354
328 + 0,000	1	0,03	0	0	1,3	0,83	19	25	-39378
329 + 0,000	1	0	0	0	1,3	0,74	16	20	-39398
330 + 0,000	1	0	0	0	1,3	0,92	17	22	-39420
331 + 0,000	1	0,58	6	6	1,3	0,09	10	13	-39427
332 + 0,000	1	0,15	7	7	1,3	0,36	5	6	-39426
333 + 0,000	1	0,46	6	6	1,3	0,43	8	10	-39430
334 + 0,000	1	0,95	14	14	1,3	0,04	5	6	-39422
335 + 0,000	1	1,23	22	22	1,3	0	0	0	-39400
336 + 0,000	1	3,58	48	48	1,3	0	0	0	-39352
337 + 0,000	1	4,31	79	79	1,3	0	0	0	-39273
338 + 0,000	1	3,48	78	78	1,3	0	0	0	-39196
339 + 0,000	1	5,31	88	88	1,3	0	0	0	-39108
340 + 0,000	1	4,66	100	100	1,3	0	0	0	-39008
341 + 0,000	1	0,15	48	48	1,3	1,94	19	25	-38985
342 + 0,000	1	0,48	6	6	1,3	5,65	76	99	-39078
343 + 0,000	1	0	5	5	1,3	10,3	160	207	-39280
344 + 0,000	1	0	0	0	1,3	13,51	238	310	-39590
345 + 0,000	1	0	0	0	1,3	17,3	308	400	-39990
346 + 0,000	1	0	0	0	1,3	18,83	361	470	-40460
347 + 0,000	1	0	0	0	1,3	19,25	381	495	-40955
348 + 0,000	1	0	0	0	1,3	18,09	373	485	-41440
349 + 0,000	1	0	0	0	1,3	16,52	346	450	-41890
350 + 0,000	1	0,02	0	0	1,3	10,47	270	351	-42241
351 + 0,000	1	0,14	2	2	1,3	3,72	142	184	-42424
352 + 0,000	1	0,1	2	2	1,3	4,86	86	112	-42533
353 + 0,000	1	0	1	1	1,3	10,01	149	193	-42725
354 + 0,000	1	0	0	0	1,3	8,07	181	235	-42960
355 + 0,000	1	0	0	0	1,3	6,7	148	192	-43152
356 + 0,000	1	0	0	0	1,3	5,68	124	161	-43313
357 + 0,000	1	0	0	0	1,3	5,03	107	139	-43452
358 + 0,000	1	0	0	0	1,3	4,75	98	127	-43579
359 + 0,000	1	0	0	0	1,3	4,2	89	116	-43696
360 + 0,000	1	0	0	0	1,3	3,8	80	104	-43800
361 + 0,000	1	0,64	6	6	1,3	2,08	59	77	-43870
362 + 0,000	1	0,06	7	7	1,3	1,39	35	45	-43908



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
363 + 0,000	1	0,43	5	5	1,3	0,26	16	21	-43925
364 + 0,000	1	1,34	18	18	1,3	0	3	3	-43910
365 + 0,000	1	1,78	31	31	1,3	0	0	0	-43879
366 + 0,000	1	1,86	36	36	1,3	0	0	0	-43843
367 + 0,000	1	1,24	31	31	1,3	0	0	0	-43812
368 + 0,000	1	0,17	14	14	1,3	0,57	6	7	-43805
369 + 0,000	1	0,14	3	3	1,3	1,57	21	28	-43830
370 + 0,000	1	0	1	1	1,3	2,6	42	54	-43882
370 + 1,772	1	0	0	0	1,3	2,68	5	6	-43888
371 + 0,000	1	0	0	0	1,3	3,84	59	77	-43966
372 + 0,000	1	0	0	0	1,3	4,66	85	111	-44076
372 + 16,882	1	0	0	0	1,3	5,54	86	112	-44188
373 + 0,000	1	0	0	0	1,3	5,65	17	23	-44211
373 + 7,772	1	0	0	0	1,3	4,88	41	53	-44264
374 + 0,000	1	0,09	1	1	1,3	3,84	53	69	-44333
375 + 0,000	1	0	1	1	1,3	6,68	105	137	-44469
376 + 0,000	1	0	0	0	1,3	7,93	146	190	-44658
377 + 0,000	1	0	0	0	1,3	9,04	170	221	-44879
377 + 19,136	1	0	0	0	1,3	10,91	191	248	-45127
378 + 0,000	1	0	0	0	1,3	11,03	9	12	-45140
379 + 0,000	1	0	0	0	1,3	12,09	231	300	-45440
379 + 12,135	1	0	0	0	1,3	12,36	148	193	-45633
379 + 12,137	1	0	0	0	1,3	12,36	0	0	-45633
380 + 0,000	1	0	0	0	1,3	12,04	96	125	-45758
381 + 0,000	1	0	0	0	1,3	11,7	237	309	-46066
381 + 5,136	1	0	0	0	1,3	11,86	61	79	-46145
382 + 0,000	1	0	0	0	1,3	11,77	176	228	-46373
383 + 0,000	1	0	0	0	1,3	12,31	241	313	-46686
384 + 0,000	1	0	0	0	1,3	13,5	258	335	-47022
385 + 0,000	1	0	0	0	1,3	14,42	279	363	-47385
386 + 0,000	1	0	0	0	1,3	14,71	291	379	-47763
387 + 0,000	1	0	0	0	1,3	14,18	289	376	-48139
388 + 0,000	1	0	0	0	1,3	14,43	286	372	-48511
389 + 0,000	1	0	0	0	1,3	14,73	292	379	-48890
390 + 0,000	1	0	0	0	1,3	14,62	293	381	-49271
391 + 0,000	1	0	0	0	1,3	14,59	292	380	-49651
391 + 9,639	1	0	0	0	1,3	14,22	139	181	-49832
392 + 0,000	1	0	0	0	1,3	13,41	143	186	-50018
393 + 0,000	1	0	0	0	1,3	10,76	242	314	-50332
393 + 2,638	1	0	0	0	1,3	10,43	28	36	-50368
393 + 2,640	1	0	0	0	1,3	10,43	0	0	-50368
394 + 0,000	1	0	0	0	1,3	9,17	170	221	-50589
394 + 15,639	1	0	0	0	1,3	8,51	138	180	-50769
395 + 0,000	1	0	0	0	1,3	8,54	37	48	-50817
396 + 0,000	1	0	0	0	1,3	9,31	178	232	-51049
397 + 0,000	1	0	0	0	1,3	10,4	197	256	-51306
398 + 0,000	1	0	0	0	1,3	8,81	192	250	-51556
399 + 0,000	1	0	0	0	1,3	9,42	182	237	-51793
399 + 7,001	1	0	0	0	1,3	8,98	64	84	-51876
399 + 17,891	1	0	0	0	1,3	8,58	96	124	-52001
400 + 0,000	1	0	0	0	1,3	8,52	18	23	-52024
401 + 0,000	1	0	0	0	1,3	7,31	158	206	-52230
402 + 0,000	1	0	0	0	1,3	7,43	147	192	-52421



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
402 + 13,001	1	0	0	0	1,3	6,34	89	116	-52538
403 + 0,000	1	0	0	0	1,3	6	43	56	-52594
404 + 0,000	1	0	0	0	1,3	6,1	121	157	-52751
405 + 0,000	1	0	0	0	1,3	5,61	117	152	-52903
406 + 0,000	1	0,02	0	0	1,3	3,32	89	116	-53019
407 + 0,000	1	0,59	6	6	1,3	0,15	35	45	-53058
408 + 0,000	1	5,19	58	58	1,3	0	2	2	-53002
409 + 0,000	1	11,83	170	170	1,3	0	0	0	-52832
410 + 0,000	1	15,06	269	269	1,3	0	0	0	-52563
410 + 11,192	1	25,03	224	224	1,3	0	0	0	-52339
411 + 0,000	1	30,53	245	245	1,3	0	0	0	-52094
412 + 0,000	1	38,84	694	694	1,3	0	0	0	-51401
413 + 0,000	1	45,41	842	842	1,3	0	0	0	-50558
413 + 6,302	1	48,69	297	297	1,3	0	0	0	-50262
413 + 17,192	1	53,63	557	557	1,3	0	0	0	-49704
414 + 0,000	1	53,54	150	150	1,3	0	0	0	-49554
415 + 0,000	1	54,35	1079	1079	1,3	0	0	0	-48475
416 + 0,000	1	44,87	992	992	1,3	0	0	0	-47483
417 + 0,000	1	19,56	644	644	1,3	0	0	0	-46839
418 + 0,000	1	8,36	279	279	1,3	0	0	0	-46560
419 + 0,000	1	0	84	84	1,3	39,24	392	510	-46986
419 + 4,845	1	0	0	0	1,3	43,77	201	261	-47248
419 + 15,735	1	0	0	0	1,3	51,55	519	675	-47922
420 + 0,000	1	0	0	0	1,3	55,62	229	297	-48220
421 + 0,000	1	0	0	0	1,3	52,79	1084	1409	-49629
422 + 0,000	1	0	0	0	1,3	54,27	1071	1392	-51021
422 + 10,845	1	0	0	0	1,3	62,98	636	827	-51847
423 + 0,000	1	0	0	0	1,3	80,04	655	851	-52698
424 + 0,000	1	0	0	0	1,3	193,43	2735	3555	-56253
425 + 0,000	1	0	0	0	1,3	160,14	3536	4596	-60850
426 + 0,000	1	0	0	0	1,3	95,41	2555	3322	-64172
427 + 0,000	1	0	0	0	1,3	55,21	1506	1958	-66130
428 + 0,000	1	0	0	0	1,3	33,1	883	1148	-67278
429 + 0,000	1	0	0	0	1,3	24,05	572	743	-68021
430 + 0,000	1	0	0	0	1,3	27,73	518	673	-68694
430 + 0,516	1	0	0	0	1,3	27,77	14	19	-68713
431 + 0,000	1	0	0	0	1,3	49,51	753	979	-69692
432 + 0,000	1	0	0	0	1,3	73,6	1231	1600	-71292
432 + 15,626	1	0	0	0	1,3	48,77	956	1243	-72535
433 + 0,000	1	0	0	0	1,3	39,07	192	250	-72785
433 + 6,516	1	0	0	0	1,3	27,29	216	281	-73066
434 + 0,000	1	0,35	2	2	1,3	7,39	234	304	-73367
435 + 0,000	1	12,3	127	127	1,3	0	74	96	-73337
436 + 0,000	1	25,81	381	381	1,3	0	0	0	-72956
437 + 0,000	1	26,31	521	521	1,3	0	0	0	-72434
438 + 0,000	1	21,04	474	474	1,3	0	0	0	-71961
439 + 0,000	1	3,1	241	241	1,3	3,84	38	50	-71769
440 + 0,000	1	2,59	57	57	1,3	21,27	251	326	-72039
441 + 0,000	1	3,98	66	66	1,3	32,01	533	693	-72666
442 + 0,000	1	5,19	92	92	1,3	23,55	556	722	-73296
443 + 0,000	1	6,17	114	114	1,3	7,96	315	410	-73592
444 + 0,000	1	7,71	139	139	1,3	0,67	86	112	-73566
445 + 0,000	1	10,14	179	179	1,3	0	7	9	-73396



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
446 + 0,000	1	11,32	215	215	1,3	0	0	0	-73181
446 + 4,496	1	12,31	53	53	1,3	0	0	0	-73128
446 + 15,386	1	12,23	134	134	1,3	0	0	0	-72995
447 + 0,000	1	11,76	55	55	1,3	0	0	0	-72939
448 + 0,000	1	9,93	217	217	1,3	0	0	0	-72722
449 + 0,000	1	10,22	202	202	1,3	0	0	0	-72521
449 + 10,496	1	8,38	98	98	1,3	0	0	0	-72423
450 + 0,000	1	7,69	76	76	1,3	0	0	0	-72347
451 + 0,000	1	15,55	232	232	1,3	0	0	0	-72114
452 + 0,000	1	16,45	320	320	1,3	0	0	0	-71794
453 + 0,000	1	2,57	190	190	1,3	0,56	6	7	-71611
454 + 0,000	1	5,65	82	82	1,3	0,28	8	11	-71540
455 + 0,000	1	0,28	59	59	1,3	2,29	26	33	-71514
456 + 0,000	1	0,48	8	8	1,3	0,79	31	40	-71547
457 + 0,000	1	1	15	15	1,3	0,44	12	16	-71548
458 + 0,000	1	0,58	16	16	1,3	0,96	14	18	-71550
459 + 0,000	1	0	6	6	1,3	20,33	213	277	-71821
460 + 0,000	1	1,51	15	15	1,3	0,77	211	274	-72081
460 + 10,000	1	2,33	19	19	1,3	0,07	4	5	-72067
461 + 0,000	1	3,02	27	27	1,3	0,02	0	1	-72041
462 + 0,000	1	4,6	76	76	1,3	0,13	1	2	-71967
463 + 0,000	1	5,54	101	101	1,3	0	1	2	-71867
464 + 0,000	1	4,75	103	103	1,3	0,01	0	0	-71764
465 + 0,000	1	4,6	94	94	1,3	0,02	0	0	-71671
466 + 0,000	1	5,52	101	101	1,3	0	0	0	-71570
467 + 0,000	1	6,76	123	123	1,3	0	0	0	-71447
467 + 10,000	1	8,27	75	75	1,3	0	0	0	-71372
468 + 0,000	1	7,38	78	78	1,3	0	0	0	-71294
469 + 0,000	1	8,71	161	161	1,3	0	0	0	-71133
470 + 0,000	1	8,22	169	169	1,3	0	0	0	-70964
471 + 0,000	1	7,64	159	159	1,3	0	0	0	-70805
472 + 0,000	1	5,16	128	128	1,3	0	0	0	-70677
473 + 0,000	1	7,09	123	123	1,3	0	0	0	-70554
474 + 0,000	1	5,25	123	123	1,3	0	0	0	-70431
475 + 0,000	1	4,41	97	97	1,3	0	0	0	-70334
476 + 0,000	1	5,95	104	104	1,3	0	0	0	-70231
477 + 0,000	1	9,26	152	152	1,3	0	0	0	-70079
478 + 0,000	1	7,78	170	170	1,3	0	0	0	-69908
479 + 0,000	1	10,03	178	178	1,3	0	0	0	-69730
480 + 0,000	1	11,93	220	220	1,3	0	0	0	-69511
481 + 0,000	1	8,8	207	207	1,3	0	0	0	-69303
482 + 0,000	1	9,87	187	187	1,3	0	0	0	-69117
483 + 0,000	1	10,23	201	201	1,3	0	0	0	-68916
484 + 0,000	1	11,47	217	217	1,3	0	0	0	-68699
485 + 0,000	1	11,68	231	231	1,3	0	0	0	-68467
486 + 0,000	1	9,74	214	214	1,3	0	0	0	-68253
487 + 0,000	1	12,35	221	221	1,3	0	0	0	-68032
488 + 0,000	1	11,43	238	238	1,3	0	0	0	-67795
489 + 0,000	1	11,16	226	226	1,3	0	0	0	-67569
490 + 0,000	1	9,71	209	209	1,3	0	0	0	-67360
491 + 0,000	1	8,62	183	183	1,3	0	0	0	-67177
492 + 0,000	1	10,34	190	190	1,3	0	0	0	-66987
493 + 0,000	1	7,79	181	181	1,3	0	0	0	-66806



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
494 + 0,000	1	9,56	173	173	1,3	0	0	0	-66632
495 + 0,000	1	9,76	193	193	1,3	0	0	0	-66439
496 + 0,000	1	10,17	199	199	1,3	0	0	0	-66240
497 + 0,000	1	9,41	196	196	1,3	0	0	0	-66044
497 + 0,269	1	9,3	3	3	1,3	0	0	0	-66042
498 + 0,000	1	9,16	182	182	1,3	0	0	0	-65860
499 + 0,000	1	9,99	192	192	1,3	0	0	0	-65668
499 + 15,379	1	9,37	149	149	1,3	0	0	0	-65519
500 + 0,000	1	9,61	44	44	1,3	0	0	0	-65475
500 + 6,269	1	11,66	67	67	1,3	0	0	0	-65409
501 + 0,000	1	8,26	137	137	1,3	0	0	0	-65272
502 + 0,000	1	8,83	171	171	1,3	0,04	0	1	-65101
503 + 0,000	1	8,51	173	173	1,3	0,56	6	8	-64936
504 + 0,000	1	8,64	171	171	1,3	1,15	17	22	-64787
505 + 0,000	1	8,22	169	169	1,3	1,81	30	38	-64656
506 + 0,000	1	7,83	161	161	1,3	0,76	26	33	-64529
507 + 0,000	1	8,61	164	164	1,3	0,73	15	19	-64384
508 + 0,000	1	6,93	155	155	1,3	2,42	31	41	-64270
509 + 0,000	1	9,17	161	161	1,3	0,12	25	33	-64142
510 + 0,000	1	3,72	129	129	1,3	1,41	15	20	-64033
511 + 0,000	1	2,55	63	63	1,3	1,56	30	39	-64008
512 + 0,000	1	1,13	37	37	1,3	1,73	33	43	-64014
513 + 0,000	1	1,3	24	24	1,3	1,64	34	44	-64034
514 + 0,000	1	1,04	23	23	1,3	2,09	37	49	-64059
515 + 0,000	1	4,71	57	57	1,3	0	21	27	-64029
515 + 12,331	1	1,13	36	36	1,3	0,1	1	1	-63994
516 + 0,000	1	0,19	5	5	1,3	0,55	3	3	-63992
516 + 3,221	1	0,5	1	1	1,3	0,63	2	2	-63993
517 + 0,000	1	1,74	19	19	1,3	0,67	11	14	-63989
518 + 0,000	1	0,93	27	27	1,3	0,24	9	12	-63974
518 + 18,331	1	2,04	27	27	1,3	0,01	2	3	-63950
519 + 0,000	1	2,03	3	3	1,3	0,01	0	0	-63946
520 + 0,000	1	1,05	31	31	1,3	0,02	0	0	-63916
521 + 0,000	1	2,56	36	36	1,3	0	0	0	-63880
522 + 0,000	1	0,92	35	35	1,3	0,35	3	4	-63850
523 + 0,000	1	0,84	18	18	1,3	0,35	7	9	-63841
523 + 15,195	1	0,99	14	14	1,3	0	3	3	-63831
524 + 0,000	1	0,66	4	4	1,3	0,49	1	2	-63828
525 + 0,000	1	0,33	10	10	1,3	0,45	9	12	-63831
526 + 0,000	1	1,95	23	23	1,3	0	5	6	-63814
526 + 10,305	1	4,1	31	31	1,3	0	0	0	-63783
527 + 0,000	1	4,22	40	40	1,3	0	0	0	-63742
527 + 1,195	1	4,23	5	5	1,3	0	0	0	-63737
528 + 0,000	1	3,67	74	74	1,3	0	0	0	-63663
529 + 0,000	1	4,84	85	85	1,3	0	0	0	-63578
530 + 0,000	1	2,05	69	69	1,3	0,47	5	6	-63515
531 + 0,000	1	1,02	31	31	1,3	1,97	24	32	-63516
531 + 12,558	1	0,91	12	12	1,3	0,16	13	17	-63521
532 + 0,000	1	0,9	7	7	1,3	0,24	1	2	-63517
533 + 0,000	1	0,01	9	9	1,3	0,7	9	12	-63520
533 + 5,557	1	0	0	0	1,3	2,17	8	10	-63530
533 + 5,559	1	0	0	0	1,3	2,18	0	0	-63530
534 + 0,000	1	0,09	1	1	1,3	4,93	51	67	-63596



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
534 + 18,558	1	0	1	1	1,3	11,14	149	194	-63789
535 + 0,000	1	0	0	0	1,3	11,52	16	21	-63810
536 + 0,000	1	0	0	0	1,3	18,08	296	385	-64195
537 + 0,000	1	0	0	0	1,3	28,84	469	610	-64805
538 + 0,000	1	8,64	86	86	1,3	0	288	375	-65093
539 + 0,000	1	0,59	92	92	1,3	2,99	30	39	-65040
540 + 0,000	1	0,37	10	10	1,3	3,04	60	78	-65109
541 + 0,000	1	0,05	4	4	1,3	4,07	71	92	-65197
542 + 0,000	1	0	0	0	1,3	4,32	84	109	-65306
543 + 0,000	1	9,84	98	98	1,3	0	43	56	-65263
544 + 0,000	1	3,21	130	130	1,3	1,98	20	26	-65159
545 + 0,000	1	3,52	67	67	1,3	0,83	28	36	-65128
545 + 3,063	1	3,54	11	11	1,3	0,61	2	3	-65120
546 + 0,000	1	4,12	65	65	1,3	2,4	25	33	-65088
546 + 16,061	1	3,25	59	59	1,3	1,82	34	44	-65073
546 + 16,065	1	3,25	0	0	1,3	1,82	0	0	-65073
547 + 0,000	1	2,51	11	11	1,3	1,36	6	8	-65070
548 + 0,000	1	3,64	62	62	1,3	0	14	18	-65026
548 + 9,063	1	3,27	31	31	1,3	0	0	0	-64995
549 + 0,000	1	2,6	32	32	1,3	0	0	0	-64963
550 + 0,000	1	0,61	32	32	1,3	0,04	0	0	-64931
551 + 0,000	1	0,5	11	11	1,3	0,38	4	5	-64925
552 + 0,000	1	0	5	5	1,3	1,56	19	25	-64946
553 + 0,000	1	0,04	0	0	1,3	0,92	25	32	-64977
553 + 0,425	1	0,04	0	0	1,3	0,94	0	1	-64978
553 + 11,315	1	0,03	0	0	1,3	1,02	11	14	-64991
554 + 0,000	1	0,15	1	1	1,3	0,26	6	7	-64998
555 + 0,000	1	0,21	4	4	1,3	0,09	3	4	-64999
556 + 0,000	1	0,2	4	4	1,3	0,82	9	12	-65006
556 + 6,425	1	0,25	1	1	1,3	1,28	7	9	-65014
557 + 0,000	1	0,2	3	3	1,3	1,09	16	21	-65032
558 + 0,000	1	0,48	7	7	1,3	0,3	14	18	-65043
559 + 0,000	1	1,94	24	24	1,3	0	3	4	-65023
560 + 0,000	1	1,4	33	33	1,3	0,08	1	1	-64990
561 + 0,000	1	2,01	34	34	1,3	0,74	8	11	-64967
562 + 0,000	1	1,99	40	40	1,3	0,04	8	10	-64937
563 + 0,000	1	2,13	41	41	1,3	0	0	1	-64896
564 + 0,000	1	1,81	39	39	1,3	0	0	0	-64857
565 + 0,000	1	5	68	68	1,3	0	0	0	-64789
566 + 0,000	1	3,54	85	85	1,3	0	0	0	-64703
567 + 0,000	1	10,69	142	142	1,3	0	0	0	-64561
568 + 0,000	1	1,47	122	122	1,3	4,19	42	54	-64494
569 + 0,000	1	0,68	22	22	1,3	1,64	58	76	-64548
570 + 0,000	1	4,18	49	49	1,3	0	16	21	-64521
571 + 0,000	1	1,79	60	60	1,3	0,02	0	0	-64461
572 + 0,000	1	0,36	22	22	1,3	1,32	13	17	-64457
573 + 0,000	1	0,46	8	8	1,3	1,29	26	34	-64483
574 + 0,000	1	1,09	15	15	1,3	0,59	19	24	-64492
575 + 0,000	1	0,37	15	15	1,3	0,15	7	10	-64487
576 + 0,000	1	2,21	26	26	1,3	0,05	2	3	-64464
577 + 0,000	1	3,15	54	54	1,3	0	0	1	-64411
578 + 0,000	1	3,01	62	62	1,3	0	0	0	-64349
579 + 0,000	1	2,56	56	56	1,3	0,14	1	2	-64295



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
580 + 0,000	1	4,44	70	70	1,3	0	1	2	-64227
581 + 0,000	1	5,56	100	100	1,3	0	0	0	-64127
582 + 0,000	1	3,66	92	92	1,3	0	0	0	-64035
583 + 0,000	1	2,87	65	65	1,3	0	0	0	-63970
584 + 0,000	1	3,55	64	64	1,3	0	0	0	-63906
585 + 0,000	1	3,38	69	69	1,3	0	0	0	-63836
586 + 0,000	1	3,34	67	67	1,3	0	0	0	-63769
587 + 0,000	1	2,46	58	58	1,3	0	0	0	-63711
588 + 0,000	1	4,8	73	73	1,3	0	0	0	-63639
589 + 0,000	1	4,62	94	94	1,3	0	0	0	-63544
590 + 0,000	1	7,35	120	120	1,3	0	0	0	-63425
591 + 0,000	1	6,73	141	141	1,3	0	0	0	-63284
592 + 0,000	1	6,99	137	137	1,3	0	0	0	-63147
593 + 0,000	1	6,83	138	138	1,3	0	0	0	-63008
594 + 0,000	1	9,9	167	167	1,3	0	0	0	-62841
595 + 0,000	1	9,57	195	195	1,3	0	0	0	-62646
596 + 0,000	1	9,22	188	188	1,3	0	0	0	-62458
597 + 0,000	1	8,29	175	175	1,3	0	0	0	-62283
598 + 0,000	1	7,28	156	156	1,3	0	0	0	-62128
599 + 0,000	1	4,56	118	118	1,3	0	0	0	-62009
600 + 0,000	1	4,64	92	92	1,3	0	0	0	-61917
601 + 0,000	1	4,87	95	95	1,3	0	0	0	-61822
602 + 0,000	1	4,4	93	93	1,3	0	0	0	-61729
603 + 0,000	1	4,93	93	93	1,3	0	0	0	-61636
604 + 0,000	1	3,97	89	89	1,3	0	0	0	-61547
605 + 0,000	1	5,2	92	92	1,3	0	0	0	-61455
606 + 0,000	1	4,87	101	101	1,3	0	0	0	-61355
607 + 0,000	1	5,29	102	102	1,3	0	0	0	-61253
608 + 0,000	1	5,27	106	106	1,3	0	0	0	-61148
609 + 0,000	1	7,78	130	130	1,3	0	0	0	-61017
610 + 0,000	1	5,71	135	135	1,3	0	0	0	-60882
611 + 0,000	1	4,93	106	106	1,3	0	0	0	-60776
612 + 0,000	1	13,73	187	187	1,3	0	0	0	-60589
613 + 0,000	1	13,21	269	269	1,3	0	0	0	-60320
614 + 0,000	1	14,89	281	281	1,3	0	0	0	-60039
615 + 0,000	1	15,89	308	308	1,3	0	0	0	-59731
616 + 0,000	1	15,36	313	313	1,3	0	0	0	-59419
617 + 0,000	1	14,94	303	303	1,3	0	0	0	-59116
618 + 0,000	1	13,28	282	282	1,3	0	0	0	-58833
619 + 0,000	1	11,37	247	247	1,3	0	0	0	-58587
620 + 0,000	1	10,14	215	215	1,3	0	0	0	-58372
621 + 0,000	1	6,69	168	168	1,3	0	0	0	-58203
622 + 0,000	1	5,95	126	126	1,3	0	0	0	-58077
623 + 0,000	1	5,84	118	118	1,3	0	0	0	-57959
624 + 0,000	1	8,56	144	144	1,3	0	0	0	-57815
625 + 0,000	1	9,76	183	183	1,3	0	0	0	-57632
626 + 0,000	1	9,53	193	193	1,3	0	0	0	-57439
627 + 0,000	1	8,77	183	183	1,3	0	0	0	-57256
628 + 0,000	1	9,71	185	185	1,3	0	0	0	-57071
629 + 0,000	1	12,27	220	220	1,3	0	0	0	-56851
630 + 0,000	1	14,09	264	264	1,3	0	0	0	-56588
631 + 0,000	1	0,04	141	141	1,3	3,8	38	49	-56496
632 + 0,000	1	0	0	0	1,3	7,39	112	145	-56641



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 EIXO 2



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
633 + 0,000	1	0	0	0	1,3	3,39	108	140	-56781
634 + 0,000	1	0,22	2	2	1,3	1,6	50	65	-56844
635 + 0,000	1	0,01	2	2	1,3	4,37	60	78	-56919
636 + 0,000	1	14,33	143	143	1,3	0	44	57	-56833
637 + 0,000	1	14,01	283	283	1,3	0	0	0	-56549
638 + 0,000	1	32,94	469	469	1,3	0	0	0	-56080
639 + 0,000	1	69,22	1022	1022	1,3	0	0	0	-55058
640 + 0,000	1	100,15	1694	1694	1,3	0	0	0	-53364
641 + 0,000	1	84,69	1848	1848	1,3	0	0	0	-51516
642 + 0,000	1	117,04	2017	2017	1,3	0	0	0	-49499
642 + 20,000	1	125,39	2424	2424	1,3	0	0	0	-47074
643 + 5,674	1	137,6	746	746	1,3	0	0	0	-46328
644 + 0,000	1	135,91	1959	1959	1,3	0	0	0	-44369
645 + 0,000	1	107,7	2436	2436	1,3	0	0	0	-41933
645 + 10,164	1	126,09	1188	1188	1,3	0	0	0	-40745
646 + 0,000	1	119,79	1209	1209	1,3	0	0	0	-39536
646 + 0,784	1	118,93	94	94	1,3	0	0	0	-39442
646 + 1,054	1	118,89	32	32	1,3	0	0	0	-39410
646 + 11,674	1	136,28	1355	1355	1,3	0	0	0	-38055
647 + 0,000	1	116,82	1054	1054	1,3	0	0	0	-37002
648 + 0,000	1	82,2	1990	1990	1,3	0	0	0	-35011
648 + 16,164	1	70,82	1237	1237	1,3	0	0	0	-33775
649 + 0,000	1	74,8	279	279	1,3	0	0	0	-33495
650 + 0,000	1	46,97	1218	1218	1,3	0	0	0	-32278
651 + 0,000	1	32,59	796	796	1,3	0	0	0	-31482
652 + 0,000	1	11,65	442	442	1,3	0	0	0	-31040
653 + 0,000	1	2	136	136	1,3	0	0	0	-30903
654 + 0,000	1	2,2	42	42	1,3	0	0	0	-30861
655 + 0,000	1	3,92	61	61	1,3	0	0	0	-30800
655 + 1,801	1	4,03	7	7	1,3	0	0	0	-30793
656 + 0,000	1	13,62	161	161	1,3	0	0	0	-30633
656 + 0,775	1	14,08	11	11	1,3	0	0	0	-30622
TOTAL GERAL			90638	90638			93277	121260	



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 REVERSÃO



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
0 + 0,000	1	1,48	0	0	1,3	0,83	0	0	0
0 + 2,188	1	3,09	5	5	1,3	0,58	2	2	3
1 + 0,000	1	8,89	107	107	1,3	0,02	5	7	103
2 + 0,000	1	5,57	145	145	1,3	0	0	0	247
2 + 4,890	1	4,64	25	25	1,3	0	0	0	272
3 + 0,000	1	9,72	109	109	1,3	0	0	0	381
4 + 0,000	1	5,37	151	151	1,3	0	0	0	532
5 + 0,000	1	7,61	130	130	1,3	0	0	0	661
5 + 10,890	1	17,51	137	137	1,3	0	0	0	798
6 + 0,000	1	13,41	141	141	1,3	0	0	0	939
7 + 0,000	1	16,87	303	303	1,3	0	0	0	1242
8 + 0,000	1	18,23	351	351	1,3	0	0	0	1593
9 + 0,000	1	15,63	339	339	1,3	0	0	0	1931
10 + 0,000	1	40,73	564	564	1,3	0	0	0	2495
10 + 2,188	1	37,59	86	86	1,3	0	0	0	2581
11 + 0,000	1	19,05	504	504	1,3	0	0	0	3085
12 + 0,000	1	10,91	300	300	1,3	0	0	0	3385
13 + 0,000	1	6,08	170	170	1,3	0,15	2	2	3553
14 + 0,000	1	10,29	164	164	1,3	0	2	2	3714
15 + 0,000	1	28,72	390	390	1,3	0	0	0	4105
16 + 0,000	1	50,15	789	789	1,3	0	0	0	4893
17 + 0,000	1	46,2	963	963	1,3	0	0	0	5857
18 + 0,000	1	54,96	1012	1012	1,3	0	0	0	6868
18 + 14,753	1	52,5	793	793	1,3	0	0	0	7661
19 + 0,000	1	78,09	343	343	1,3	0	0	0	8004
20 + 0,000	1	93,97	1721	1721	1,3	0	0	0	9724
21 + 0,000	1	73,18	1672	1672	1,3	0	0	0	11396
22 + 0,000	1	63,8	1370	1370	1,3	0	0	0	12766
22 + 2,188	1	60,25	136	136	1,3	0	0	0	12901
23 + 0,000	1	61,42	1084	1084	1,3	0	0	0	13985
24 + 0,000	1	49,49	1109	1109	1,3	0,1	1	1	15093
25 + 0,000	1	54,19	1037	1037	1,3	0	1	1	16128
26 + 0,000	1	37,98	922	922	1,3	1,15	11	15	17035
27 + 0,000	1	23,7	617	617	1,3	0	11	15	17637
28 + 0,000	1	15,2	389	389	1,3	0	0	0	18026
29 + 0,000	1	0,35	156	156	1,3	27,16	272	353	17829
29 + 2,188	1	0,1	0	0	1,3	36,99	70	91	17738
30 + 0,000	1	0	1	1	1,3	40,21	687	894	16845
31 + 0,000	1	0	0	0	1,3	24,8	650	845	16000
31 + 12,188	1	0	0	0	1,3	23,5	294	383	15617
32 + 0,000	1	0,02	0	0	1,3	21,39	175	228	15389
33 + 0,000	1	0,16	2	2	1,3	16,91	383	498	14893
34 + 0,000	1	0,43	6	6	1,3	6,96	239	310	14589
35 + 0,000	1	0,28	7	7	1,3	5,44	124	161	14435
36 + 0,000	1	0,49	8	8	1,3	0,31	58	75	14368
37 + 0,000	1	0,46	9	9	1,3	1,23	15	20	14357
38 + 0,000	1	1,03	15	15	1,3	0	12	16	14356
38 + 12,188	1	0,83	11	11	1,3	0,14	1	1	14366
39 + 0,000	1	1,47	9	9	1,3	0,05	1	1	14374
40 + 0,000	1	2,75	42	42	1,3	0	0	1	14416
41 + 0,000	1	0,82	36	36	1,3	0,59	6	8	14444
42 + 0,000	1	2,35	32	32	1,3	0,3	9	12	14464
43 + 0,000	1	0,26	26	26	1,3	0,6	9	12	14478



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 REVERSÃO



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
44 + 0,000	1	1,41	17	17	1,3	0,25	8	11	14484
44 + 2,188	1	1,53	3	3	1,3	0,36	1	1	14486
45 + 0,000	1	0,26	16	16	1,3	0,79	10	13	14489
46 + 0,000	1	0,84	11	11	1,3	0,59	14	18	14482
47 + 0,000	1	0,48	13	13	1,3	1,28	19	24	14471
48 + 0,000	1	2,21	27	27	1,3	0	13	17	14481
49 + 0,000	1	1,63	38	38	1,3	0,02	0	0	14519
50 + 0,000	1	5	66	66	1,3	0	0	0	14585
50 + 2,188	1	5,37	11	11	1,3	0	0	0	14596
51 + 0,000	1	4,71	90	90	1,3	0	0	0	14686
52 + 0,000	1	4,74	94	94	1,3	0	0	0	14781
53 + 0,000	1	5,27	100	100	1,3	0	0	0	14881
54 + 0,000	1	6,46	117	117	1,3	0	0	0	14998
55 + 0,000	1	8,78	152	152	1,3	0	0	0	15150
56 + 0,000	1	8,44	172	172	1,3	0	0	0	15323
57 + 0,000	1	7,58	160	160	1,3	0	0	0	15483
58 + 0,000	1	8,4	160	160	1,3	0	0	0	15643
59 + 0,000	1	7,93	163	163	1,3	0	0	0	15806
60 + 0,000	1	7,48	154	154	1,3	0	0	0	15960
61 + 0,000	1	10,17	176	176	1,3	0	0	0	16136
62 + 0,000	1	8,8	190	190	1,3	0	0	0	16326
63 + 0,000	1	2,53	113	113	1,3	0,41	4	5	16434
64 + 0,000	1	1,99	45	45	1,3	2,51	29	38	16441
65 + 0,000	1	2,17	42	42	1,3	4,21	67	87	16396
66 + 0,000	1	1,47	36	36	1,3	4,57	88	114	16318
67 + 0,000	1	1,51	30	30	1,3	0,83	54	70	16277
68 + 0,000	1	3,53	50	50	1,3	0	8	11	16317
69 + 0,000	1	5,19	87	87	1,3	0	0	0	16404
70 + 0,000	1	2,61	78	78	1,3	3,24	32	42	16440
70 + 0,103	1	2,62	0	0	1,3	3,22	0	0	16440
71 + 0,000	1	2,18	48	48	1,3	0,25	35	45	16443
72 + 0,000	1	4,07	63	63	1,3	0	2	3	16502
73 + 0,000	1	6,42	105	105	1,3	0	0	0	16607
74 + 0,000	1	4,14	106	106	1,3	0,03	0	0	16712
75 + 0,000	1	8,75	129	129	1,3	0	0	0	16841
76 + 0,000	1	10,45	192	192	1,3	0	0	0	17033
77 + 0,000	1	13,74	242	242	1,3	0	0	0	17275
78 + 0,000	1	16,31	301	301	1,3	0	0	0	17575
78 + 2,188	1	16,48	36	36	1,3	0	0	0	17611
79 + 0,000	1	14,48	276	276	1,3	0	0	0	17887
80 + 0,000	1	18,04	325	325	1,3	0	0	0	18212
80 + 2,188	1	17,99	39	39	1,3	0	0	0	18251
81 + 0,000	1	17,16	313	313	1,3	0	0	0	18564
82 + 0,000	1	11,99	291	291	1,3	0	0	0	18856
83 + 0,000	1	13,3	253	253	1,3	0	0	0	19109
84 + 0,000	1	14,37	277	277	1,3	0	0	0	19385
85 + 0,000	1	14,86	292	292	1,3	0	0	0	19678
85 + 10,031	1	13,42	142	142	1,3	0	0	0	19820
86 + 0,000	1	12,12	127	127	1,3	0	0	0	19947
86 + 0,921	1	12,35	11	11	1,3	0	0	0	19958
87 + 0,000	1	12,49	237	237	1,3	0	0	0	20195
88 + 0,000	1	12,06	245	245	1,3	0	0	0	20441
88 + 16,031	1	14,3	211	211	1,3	0	0	0	20652



MAPA DE CUBAÇÃO
Duplicação da DF-140
PROJETO DE TERRAPLENAGEM
Data: Maio/2010 REVERSÃO



ESTACA	CORTE				ATERRO				VOLUME ACUMULADO (m³)
	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	FATOR CORR.	ÁREA (m²)	VOLUME (m³)	VOLUME CORR. (m³)	
89 + 0,000	1	13,25	55	55	1,3	0	0	0	20707
90 + 0,000	1	15,65	289	289	1,3	0	0	0	20995
91 + 0,000	1	15,19	308	308	1,3	0	0	0	21304
TOTAL GERAL			25759	25759			3427	4455	