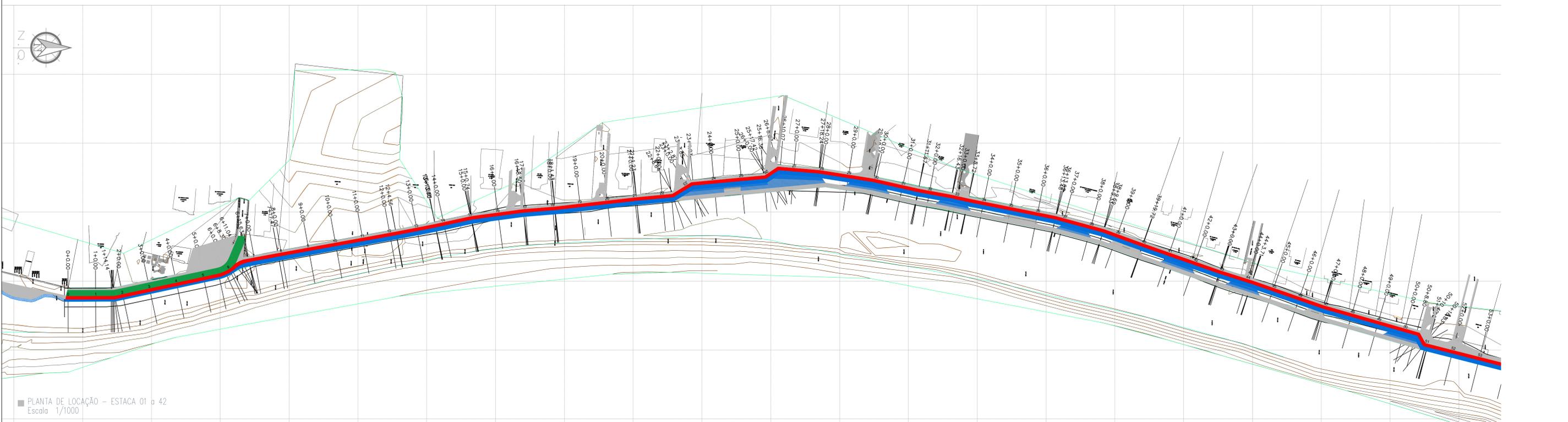
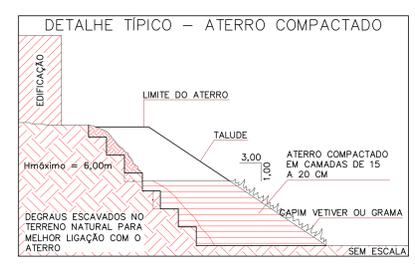
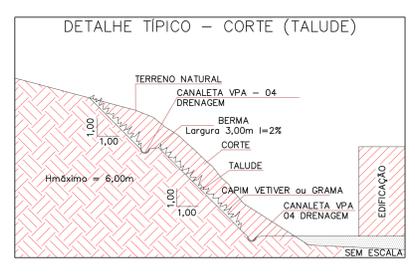


PERFIL LONGITUDINAL - ESTACA 01 a 42
Escala Horizontal = 1000 Escala Vertical = 100



PLANTA DE LOCAÇÃO - ESTACA 01 a 42
Escala 1/1000

TABELA DE VOLUMES - AREA X LARGURA		TABELA DE VOLUMES - AREA X LARGURA		TABELA DE VOLUMES - AREA X LARGURA		TABELA DE VOLUMES - AREA X LARGURA	
Estaca	Area de Corte	Area de Corte	Area de Corte	Area de Corte	Area de Corte	Area de Corte	Area de Corte
0+00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1+00	0.00	1.96	0.00	48.55	0.00	48.55	0.00
2+00	0.00	4.96	0.00	106.43	0.00	106.43	0.00
3+00	0.00	8.96	0.00	225.22	0.00	225.22	0.00
4+00	0.00	12.96	0.00	364.81	0.00	364.81	0.00
5+00	0.00	16.96	0.00	525.20	0.00	525.20	0.00
6+00	0.00	20.96	0.00	706.39	0.00	706.39	0.00
7+00	0.00	24.96	0.00	908.38	0.00	908.38	0.00
8+00	0.00	28.96	0.00	1132.17	0.00	1132.17	0.00
9+00	0.00	32.96	0.00	1368.76	0.00	1368.76	0.00
10+00	0.00	36.96	0.00	1618.15	0.00	1618.15	0.00
11+00	0.00	40.96	0.00	1880.34	0.00	1880.34	0.00
12+00	0.00	44.96	0.00	2155.33	0.00	2155.33	0.00
13+00	0.00	48.96	0.00	2443.12	0.00	2443.12	0.00
14+00	0.00	52.96	0.00	2743.71	0.00	2743.71	0.00
15+00	0.00	56.96	0.00	3057.20	0.00	3057.20	0.00
16+00	0.00	60.96	0.00	3383.69	0.00	3383.69	0.00
17+00	0.00	64.96	0.00	3723.18	0.00	3723.18	0.00
18+00	0.00	68.96	0.00	4075.67	0.00	4075.67	0.00
19+00	0.00	72.96	0.00	4441.16	0.00	4441.16	0.00
20+00	0.00	76.96	0.00	4819.65	0.00	4819.65	0.00
21+00	0.00	80.96	0.00	5211.14	0.00	5211.14	0.00
22+00	0.00	84.96	0.00	5615.63	0.00	5615.63	0.00
23+00	0.00	88.96	0.00	6033.12	0.00	6033.12	0.00
24+00	0.00	92.96	0.00	6463.61	0.00	6463.61	0.00
25+00	0.00	96.96	0.00	6907.10	0.00	6907.10	0.00
26+00	0.00	100.96	0.00	7363.59	0.00	7363.59	0.00
27+00	0.00	104.96	0.00	7833.08	0.00	7833.08	0.00
28+00	0.00	108.96	0.00	8315.57	0.00	8315.57	0.00
29+00	0.00	112.96	0.00	8811.06	0.00	8811.06	0.00
30+00	0.00	116.96	0.00	9319.55	0.00	9319.55	0.00
31+00	0.00	120.96	0.00	9841.04	0.00	9841.04	0.00
32+00	0.00	124.96	0.00	10375.53	0.00	10375.53	0.00
33+00	0.00	128.96	0.00	10923.02	0.00	10923.02	0.00
34+00	0.00	132.96	0.00	11483.51	0.00	11483.51	0.00
35+00	0.00	136.96	0.00	12057.00	0.00	12057.00	0.00
36+00	0.00	140.96	0.00	12643.49	0.00	12643.49	0.00
37+00	0.00	144.96	0.00	13242.98	0.00	13242.98	0.00
38+00	0.00	148.96	0.00	13855.47	0.00	13855.47	0.00
39+00	0.00	152.96	0.00	14480.96	0.00	14480.96	0.00
40+00	0.00	156.96	0.00	15119.45	0.00	15119.45	0.00
41+00	0.00	160.96	0.00	15770.94	0.00	15770.94	0.00
42+00	0.00	164.96	0.00	16435.43	0.00	16435.43	0.00
43+00	0.00	168.96	0.00	17112.92	0.00	17112.92	0.00
44+00	0.00	172.96	0.00	17803.41	0.00	17803.41	0.00
45+00	0.00	176.96	0.00	18506.90	0.00	18506.90	0.00
46+00	0.00	180.96	0.00	19223.39	0.00	19223.39	0.00
47+00	0.00	184.96	0.00	19952.88	0.00	19952.88	0.00
48+00	0.00	188.96	0.00	20695.37	0.00	20695.37	0.00
49+00	0.00	192.96	0.00	21450.86	0.00	21450.86	0.00
50+00	0.00	196.96	0.00	22219.35	0.00	22219.35	0.00
51+00	0.00	200.96	0.00	23000.84	0.00	23000.84	0.00
52+00	0.00	204.96	0.00	23795.33	0.00	23795.33	0.00
53+00	0.00	208.96	0.00	24602.82	0.00	24602.82	0.00



LEGENDA:

- ALINHAMENTO DE EIXO DE PROJETO
- CURVAS DE NIVEL DO TERRENO NATURAL
- PERFIL DE PROJETO
- LINHA DE LIMPEZA
- LINHA DO TERRENO NATURAL
- LINHA DO PAVIMENTO ACABADO
- MANCHA DE CORTE
- MANCHA DE ATERRO

NOTAS TÉCNICAS:

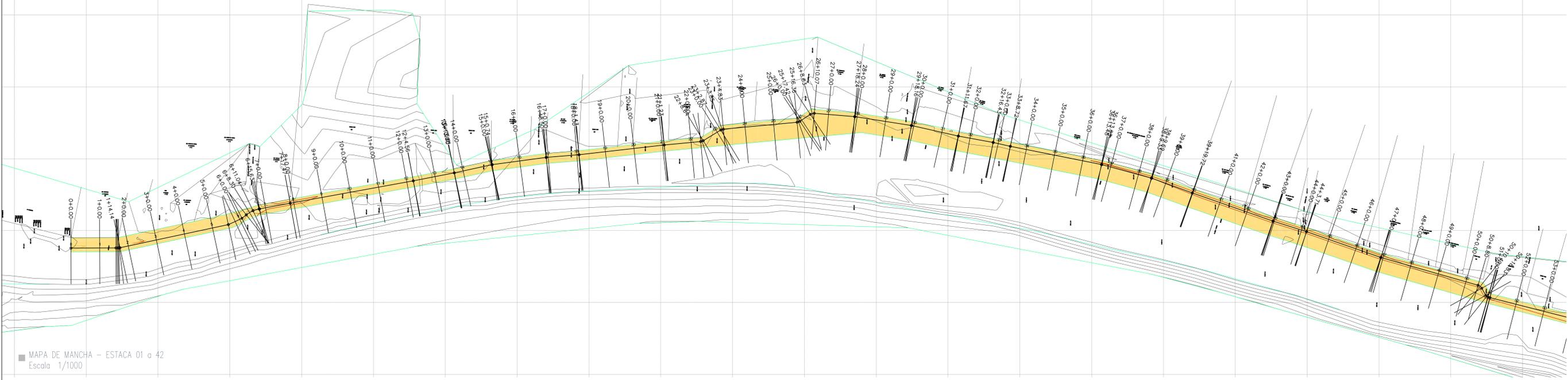
- O ATERRAMENTO DEVERÁ SER EXECUTADO COM MATERIAL ISENTO DE IMPUREZAS E MATERIA ORGÂNICA.
- DEVERÃO SER EXECUTADAS CAMADAS COM ESPESURA MÍNIMA DE 15CM E MÁXIMA DE 25CM COMPACTADAS E HOMOGENIZADAS, COMO O MATERIAL É ARENOSO, DEVERÁ SER COMPACTADO COM ROLO LISO E REALIZADO ADENSAMENTO HIDRAULICO.
- NAS ENCOSTAS E TALVEZUES, DEVERÁ SER PROCEDIDO O ESCALONAMENTO DO TERRENO EM FORMA DE ESCADA DE MODO QUE AS CAMADAS COMPACTADAS SE ENCAIXEM NA MESMA CRIANDO ADERENCIA CONFORME DETALHE TIPO DOS TALUDES DE CORTE E ATERRO.
- O ESCALONAMENTO DEVERÁ ABRACAR DEGRAUS DE ALTURA MÍNIMA DE 0,50CM E MÁXIMA DE 1,00m CONFORME A DECLIVIDADE DO TERRENO MELHOR SE ADEQUAR, ESTE MOVIMENTO DEVERÁ SER CONSIDERADO NO PREÇO DO ATERRO.
- PARA MATERIAIS COM ALTO TEOR DE FINOS DEVERÁ SER PROCEDER A HOMOGENIZAÇÃO DO ATERRO PARA QUE O MATERIAL SEJA COMPACTADO NA UMIDADE ÓTIMA. A COMPACTAÇÃO SERÁ COM ROLO PÉ DE CARNEIRO.
- PARA MATERIAIS COM ALTO TEOR DE AREIA DEVERÁ SER UMEDECIDO E ADENSADO COM ROLO LISO ATÉ ESTABILIZAÇÃO DO RECALQUE PRIMARIO.
- A OBRA DEVERÁ APRESENTAR EQUIPE DE CONTROLE TECNOLÓGICO EM TEMPO INTEGRAL NO QUAL IRÃO CONTROLAR:
 - Teor de Umidade;
 - Densidade in Situ;
 OS ENSAIOS SERÃO REALIZADOS EM TODAS AS CAMADAS COM PELO MENOS 3 FURROS POR CAMADA. DEVERÁ SER CHECADO O GRAU DE COMPACTAÇÃO OBTIDOS COM OS RESULTADOS DO MATERIAL CONFORME ITEM 07.
- PARA CONTROLE TECNOLÓGICO EM LABORATORIO DEVERÁ SER VERIFICADO O GRAU DE COMPACTAÇÃO DO MATERIAL E O CBR PARA CADA 5.000m² OU 2 METROS DE ALTURA DE CORTE.
- AS PRIMEIRAS CAMADAS DEVERÃO ATINGIR O GRAU DE COMPACTAÇÃO DE 100% NA ENERGIA NORMAL. AS 2 ÚLTIMAS CAMADAS (50CM FINAIS) DEVERÃO ATINGIR 100% DE COMPACTAÇÃO NA ENERGIA INTERMEDIARIA.
- OS TALUDES DE CORTE DEVERÃO APRESENTAR INCLINAÇÃO DE 1v/1h E OS DE ATERRO DE 1v/3.0h.
- PARA O CORPO DO ATERRO DEVERÁ SER CONSIDERADO MATERIAL COM CBR >5% E EXPANSÃO < 1,5% PROVENIENTE DA PRÓPRIA ESCAVAÇÃO OU D JAZIDA.

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

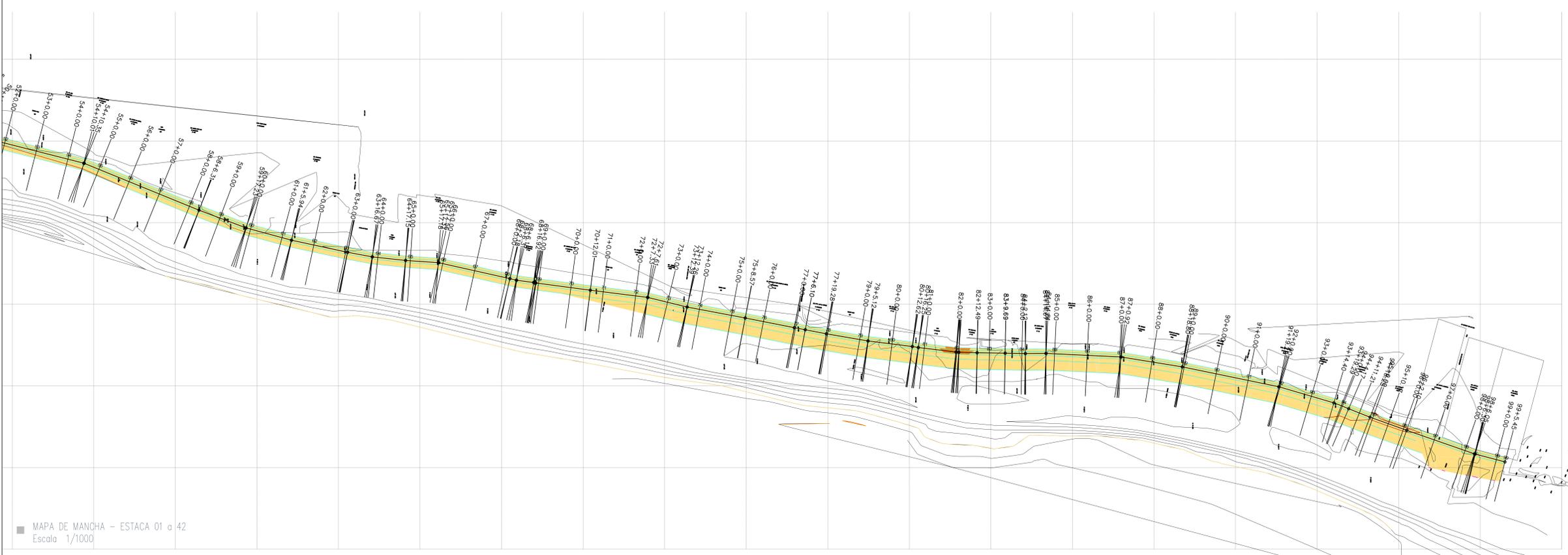
DATA: Julho/2020

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO: Luisão Neto Pinheiro



MAPA DE MANCHA - ESTACA 01 a 42
Escala 1/1000



MAPA DE MANCHA - ESTACA 01 a 42
Escala 1/1000

LEGENDA:

- ALINHAMENTO DE EIXO DE PROJETO
- CURVAS DE NIVEL DO TERRENO NATURAL
- PERFIL DE PROJETO
- LINHA DA LIMPEZA
- LINHA DO TERRENO NATURAL
- LINHA DO PAVIMENTO ACABADO
- MANCHA DE CORTE
- MANCHA DE ATERRO



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOATÃO

DESCRIÇÃO: Projeto de Terraplenagem do Trecho 02 da Orla 02 da vila de Jaboatão dos Guararapes. Compreende as estacas 01 a 42 que vão da Rua Aniceto Varejo até a Rua Projetada ao lado do Prédio nº2663.
ENDEREÇO: Rua. Dr. Aniceto Varejo até o AV. Barreto de Menezes.

PRANCHA: **03** /11
ESCALA: **1:250**

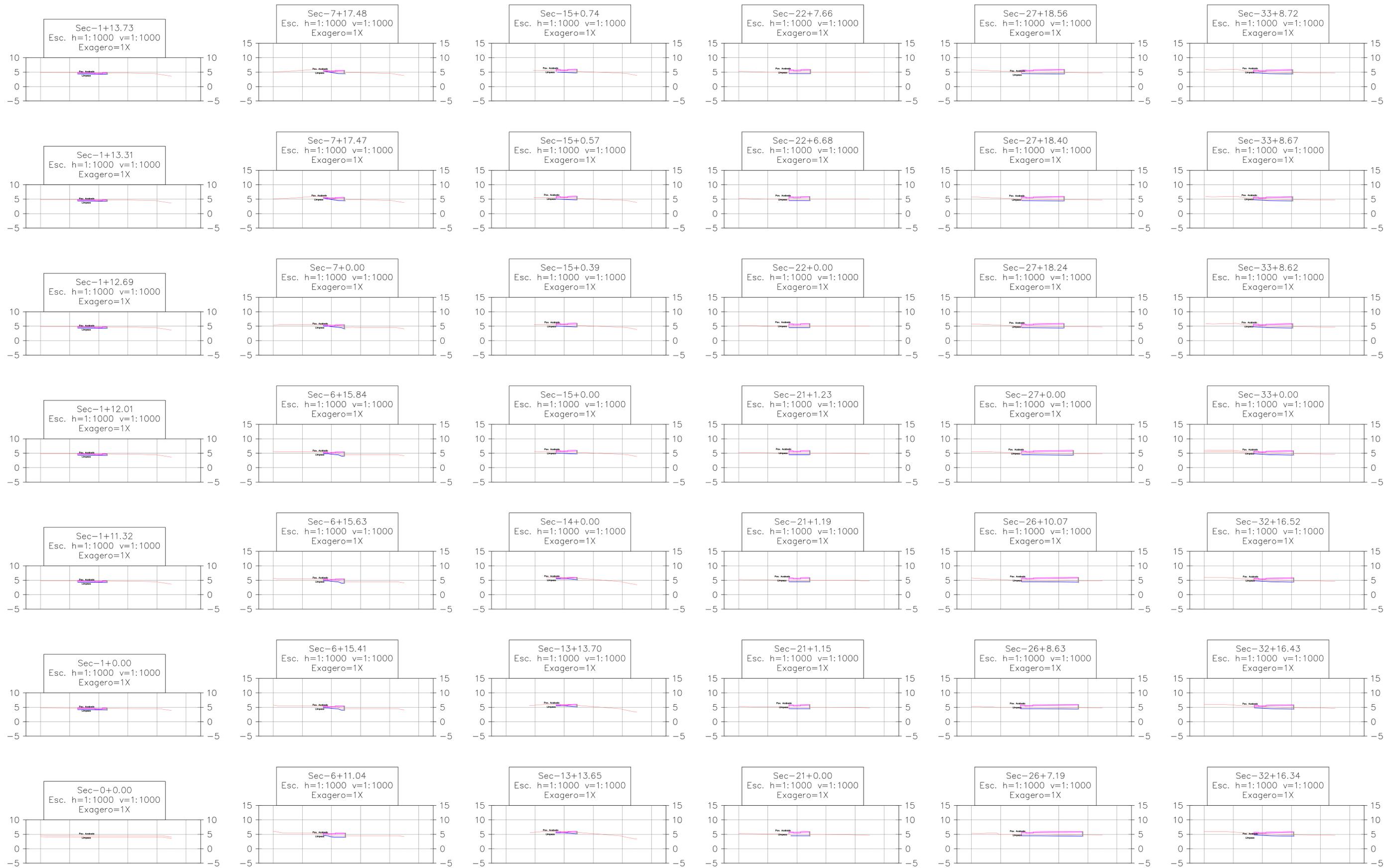
CONTRATANTE: PREFEITURA DE JABOATÃO DOS GUARARAPES

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

DATA	REVISÃO	OBSERVAÇÕES
31/07/2020	Emissão Inicial	
21/08/2020	REV 01	ATENDIMENTO A EXIGÊNCIAS DA NOTA 01/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGÊNCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

SOLICITANTE:
Prefeitura Municipal de Jaboatão dos Guararapes
CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
Lucio Henri Pires Galvão
ENG. CIVIL - CREA 24.637-DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM

EMPRESA: NPG EMPREENDIMENTOS E SERVIÇOS

ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOTÃO

DESCRICAÇÃO: Seções de Projeto de Terraplenagem do eixo de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto.

ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes.

CONTRATANTE: PREFEITURA DE JABOTÃO DOS GUARARAPES

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

PRANCIA: 04

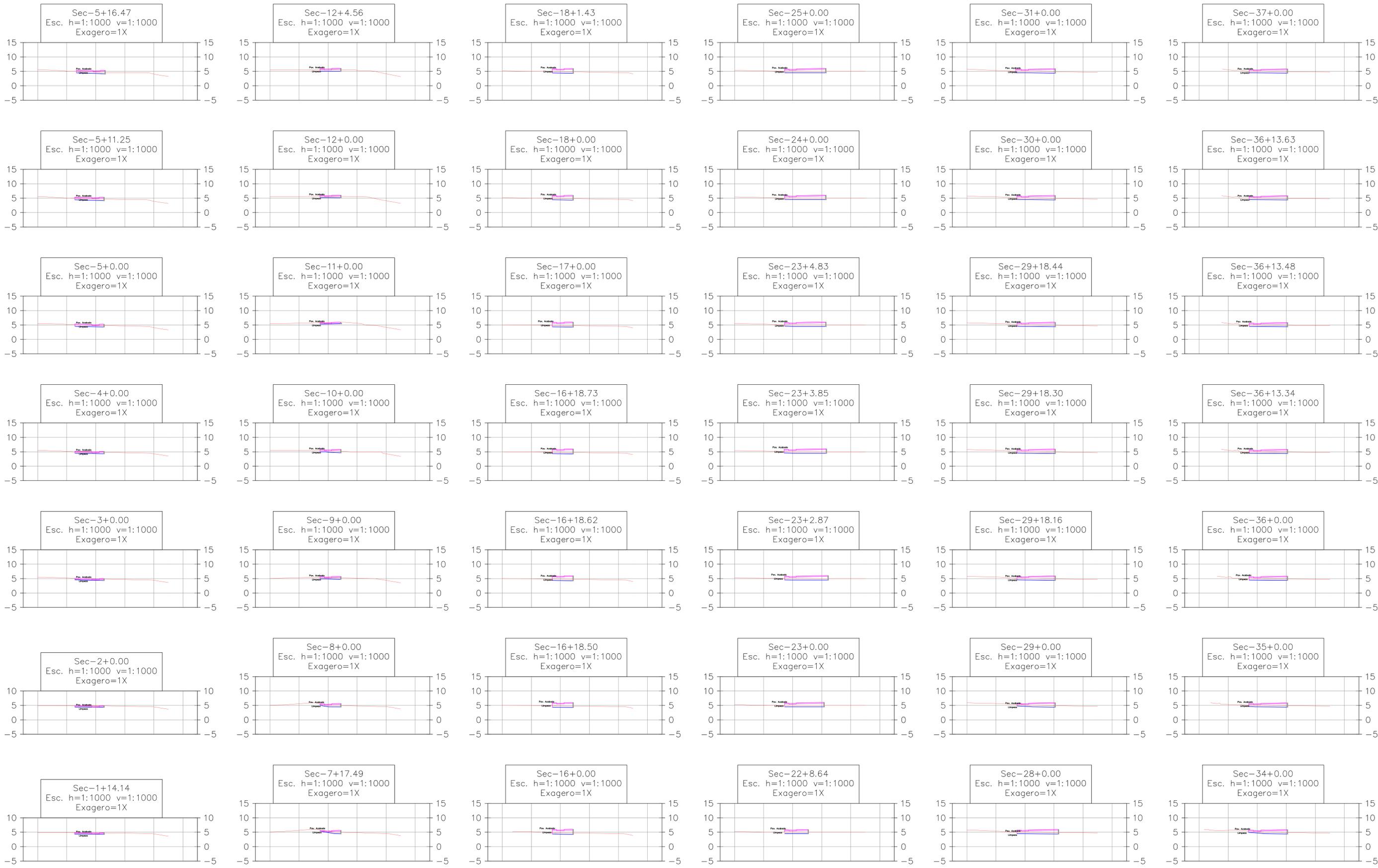
ESCALA: 1:250

DATA: Junho/2020

DATA	REVISÃO	OBSERVAÇÕES
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25/09/2020	REV 01	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
 CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
 Lucio Neres Pires Galvão
 ENG. CIVIL - OREA 24357 DPE



LEGENDA:

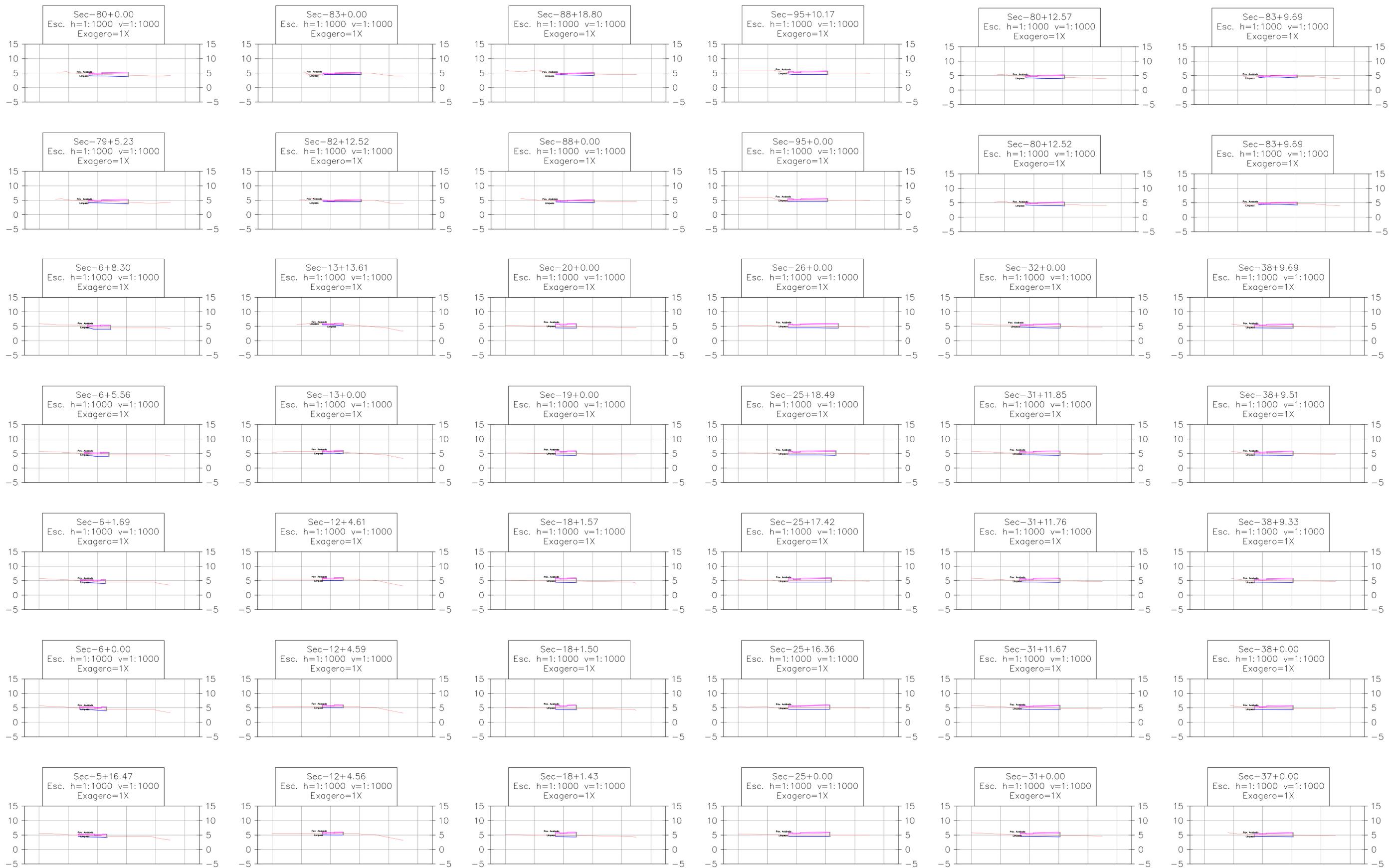
- LINHA DA LIMPEZA
- LINHA DO TERRENO NATURAL
- LINHA DO PAVIMENTO ACABADO
- LINHA DA TERRAPLENAGEM



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOATÃO	
DESCRIÇÃO: Seções do Projeto de Terraplenagem da orla de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto. ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes. CONTRATANTE: PREFEITURA DE JABOATÃO DOS GUARARAPES CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS	PRANCHIA: 05 /11 ESCALA: 1:250 DATA: Junho/2020
DATA: 30/07/2020 22/08/2020 09/09/2020	REVISÃO: Emenda N°01 REV 01 REV 02
OBSERVAÇÕES: ATENDIMENTO A EXIGÊNCIAS DA NOTA 01/2020 ATENDIMENTO A EXIGÊNCIAS DA NOTA 02/2020	

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
 CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
 Lucio Novaes Pires Galvão
 ENG. CIVIL - OCREA 24357 DPE



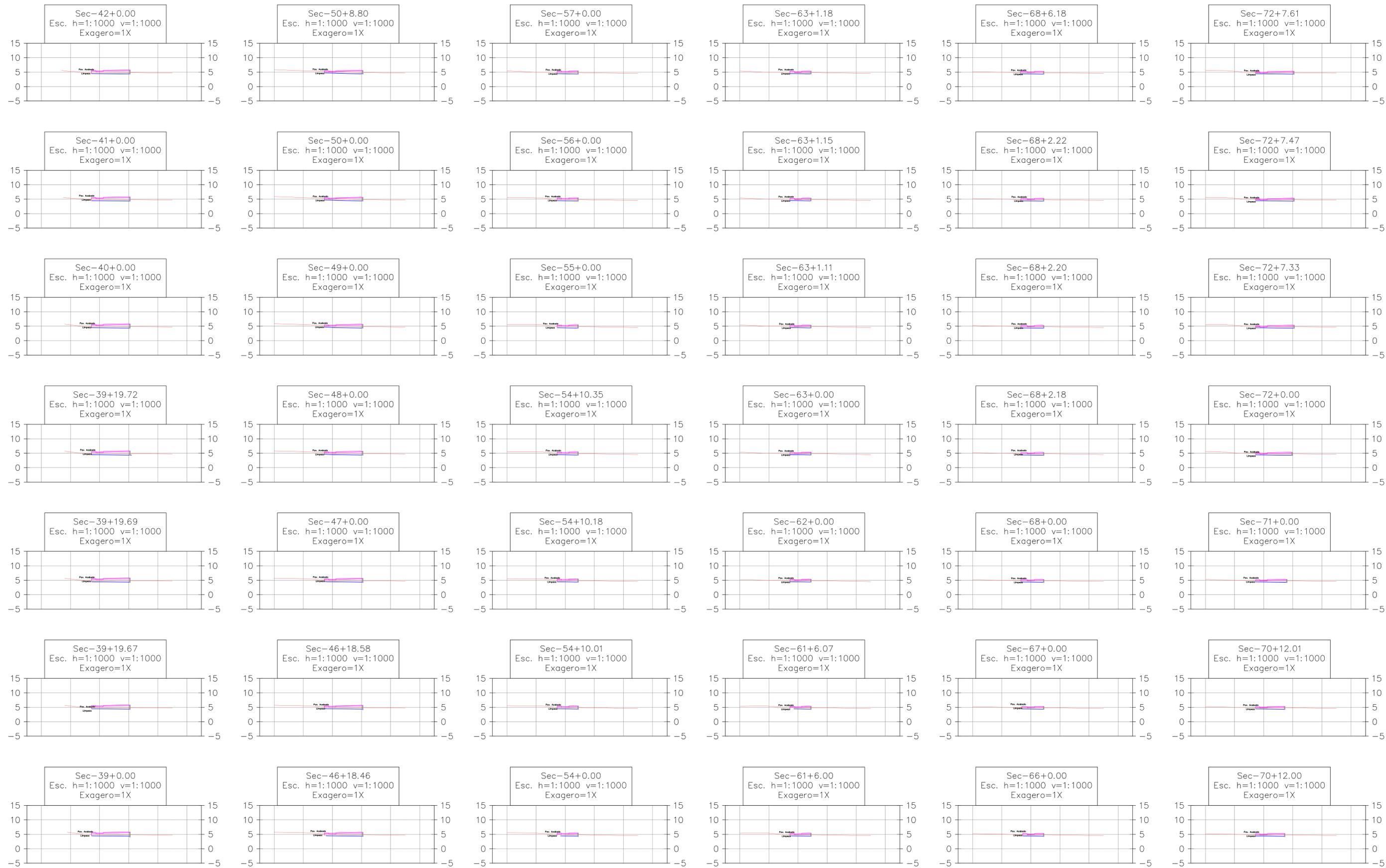
- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOTÃO		PRANÇIA: 06.11
DESCRICAÇÃO: Seções de Projeto de Terraplenagem do orla de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto.		ESCALA: 1:250
ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes.		DATA: Junho/2020
CONTRATANTE: PREFEITURA DE JABOTÃO DOS GUARARAPES		
CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS		
DATA	REVISÃO	OBSERVAÇÕES
30/07/2020	Emissão NPG	
25/09/2020	REV 01	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
 CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
 Lucio Neres Pires Galvão
 ENG. CIVIL - CREA 24357 DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM

ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOATÃO

DESCRICO: Seções de Projeto de Terraplenagem do eixo de Jaboatão dos Guararapes. Compreende as seções transversais de todo o trajeto.

ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes.

CONTRATANTE: PREFEITURA DE JABOATÃO DOS GUARARAPES

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

DATA	REVISÃO	OBSERVAÇÕES
31/07/2020	Emissão NPG	
25/09/2020	REV 01	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

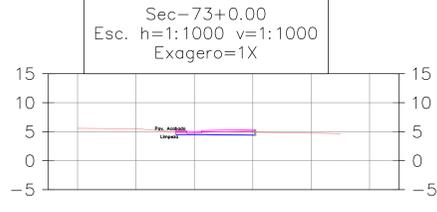
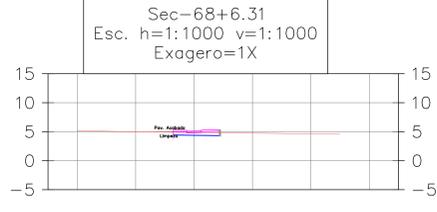
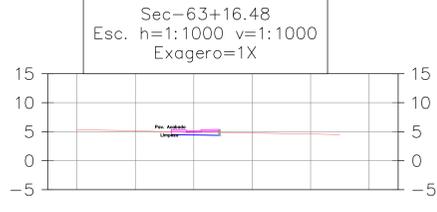
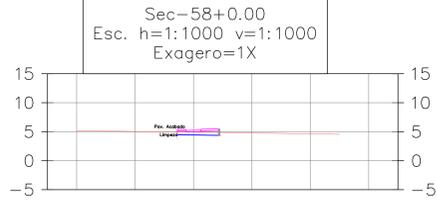
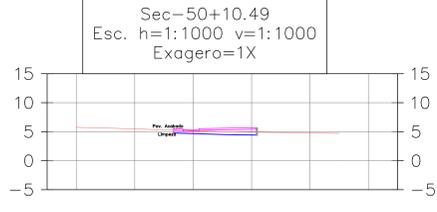
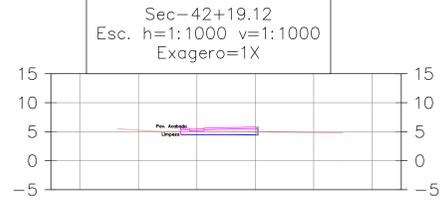
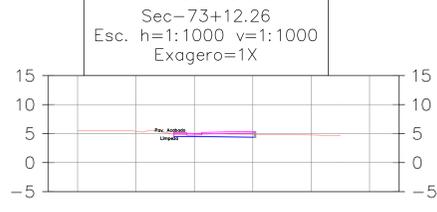
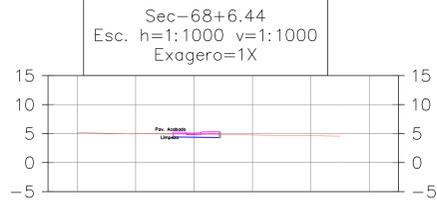
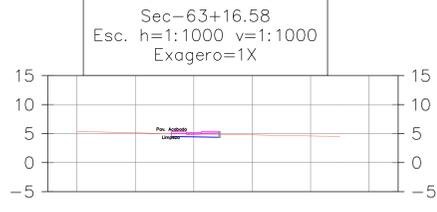
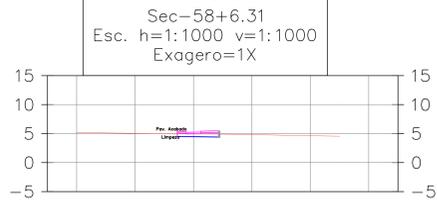
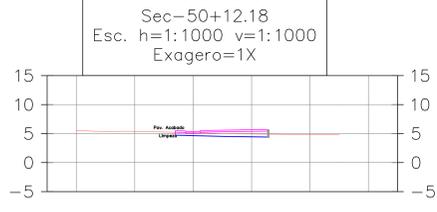
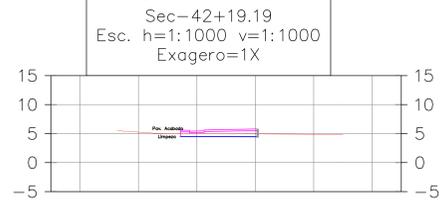
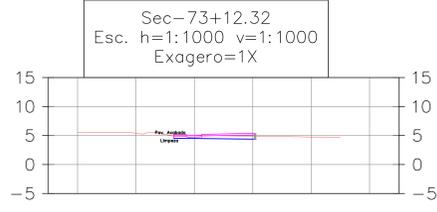
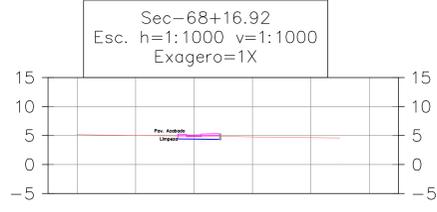
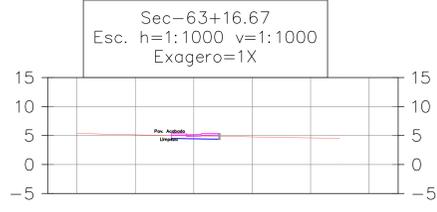
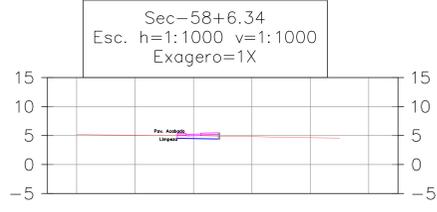
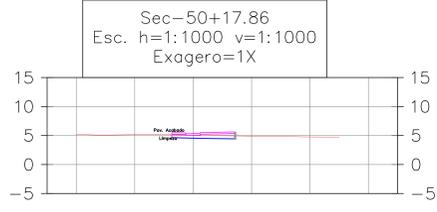
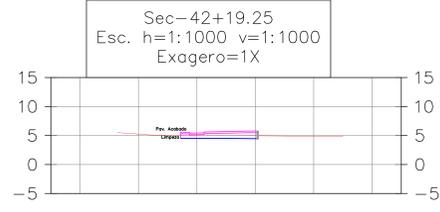
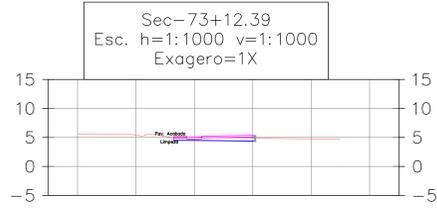
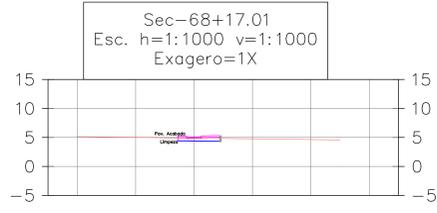
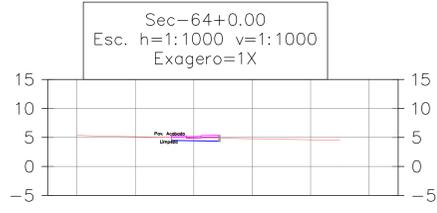
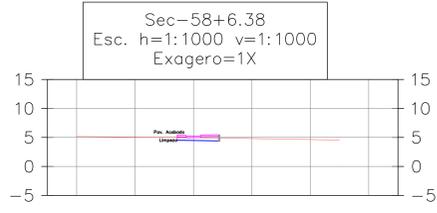
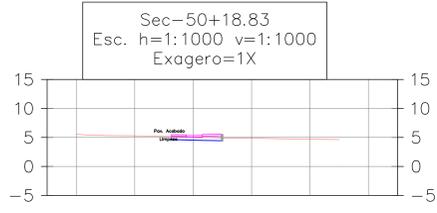
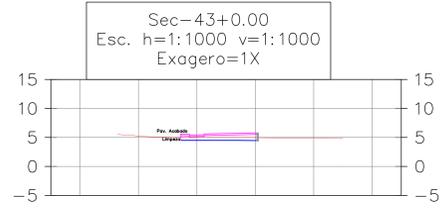
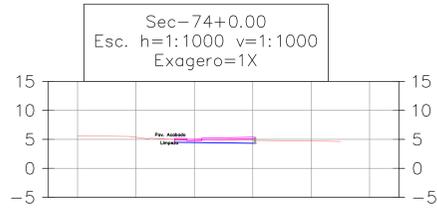
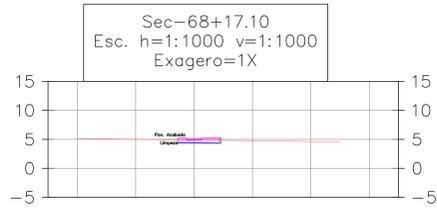
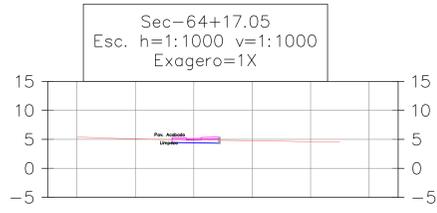
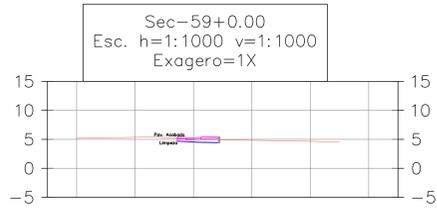
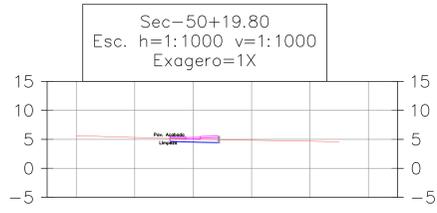
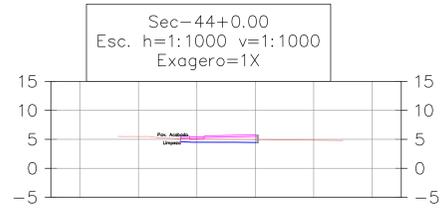
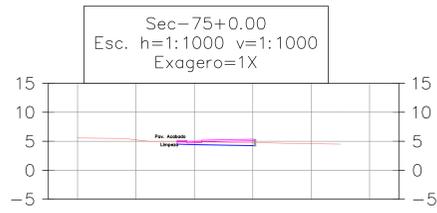
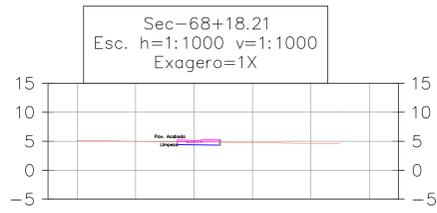
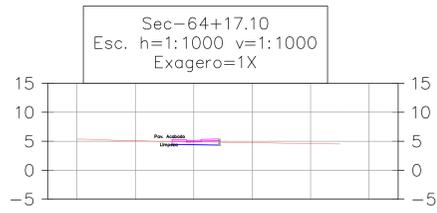
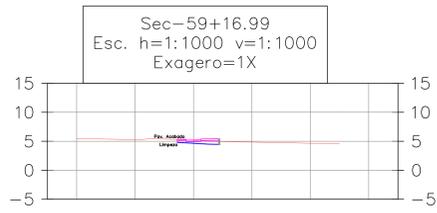
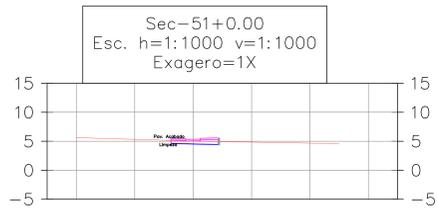
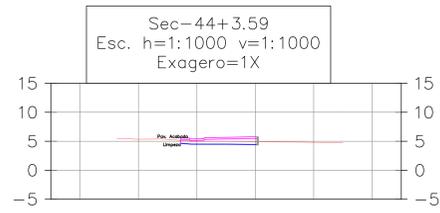
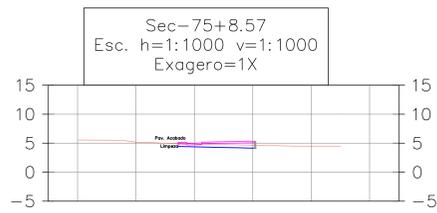
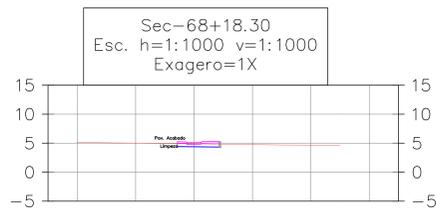
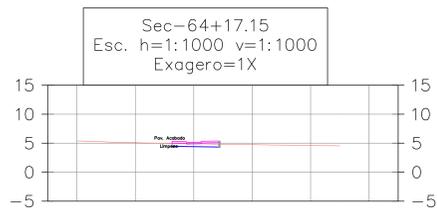
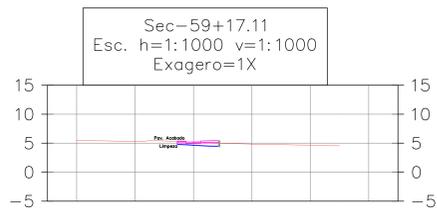
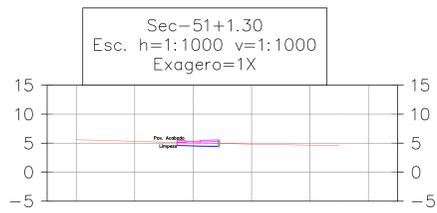
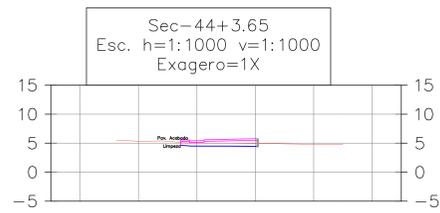
PRANCIA: 07 /11

ESCALA: 1:250

DATA: Junho/2020

SOLICITANTE: Prefeitura Municipal de Jaboatão dos Guararapes
 CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
 Lucio Neres Pires Galvão
 ENG. CIVIL - CREA 24.637 DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM

ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOATÃO

DESCRICA: Seções de Projeto de Terraplenagem do orla de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto.

PRANCIA: 08,11

ENDRECO: Rua. Dr. Anciano Varejão até a AV. Barreto de Menezes.

ESCALA: 1:250

CONTRATANTE: PREFEITURA DE JABOATÃO DOS GUARARAPES

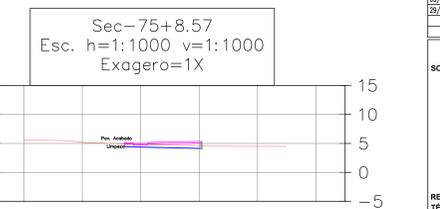
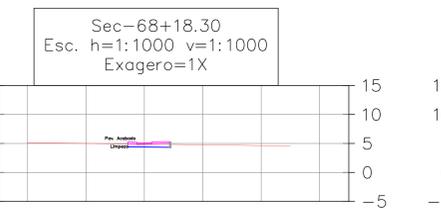
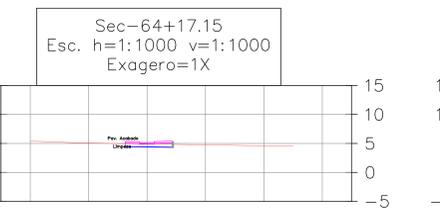
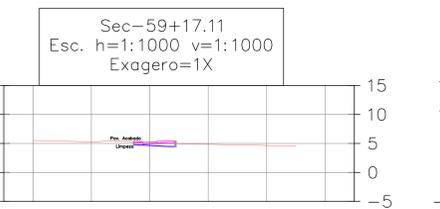
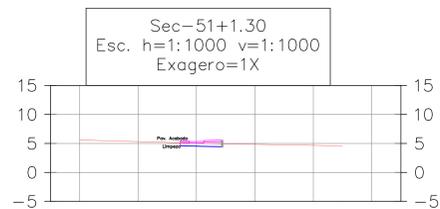
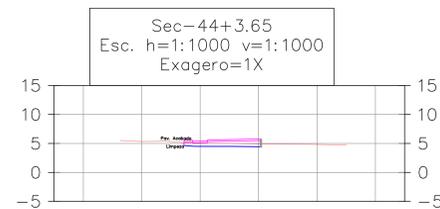
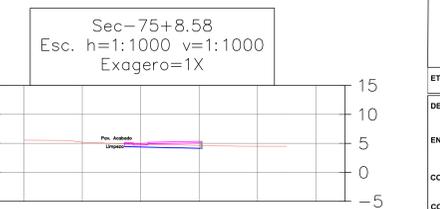
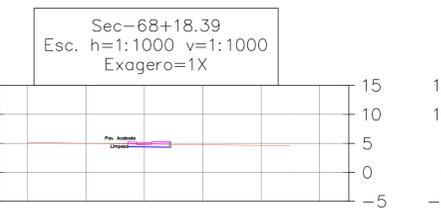
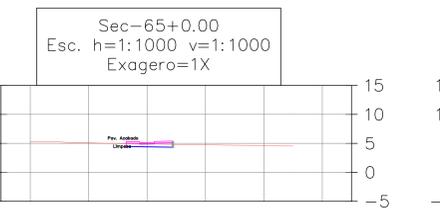
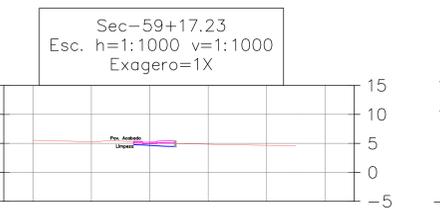
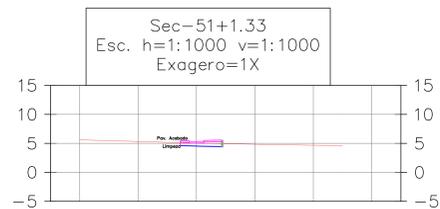
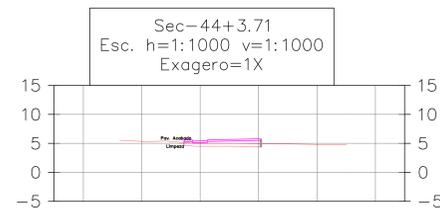
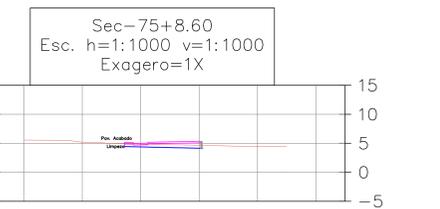
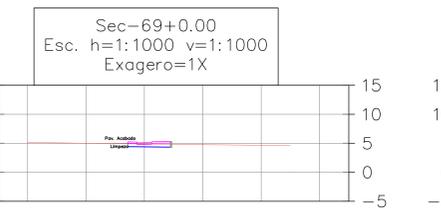
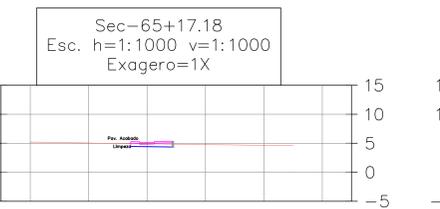
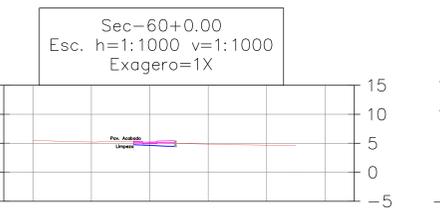
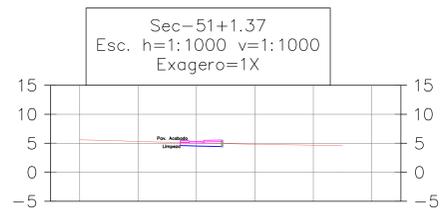
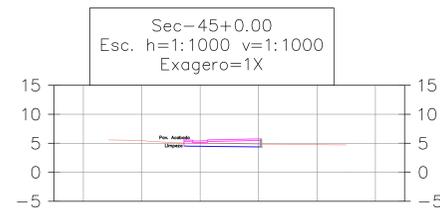
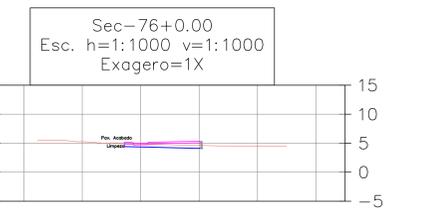
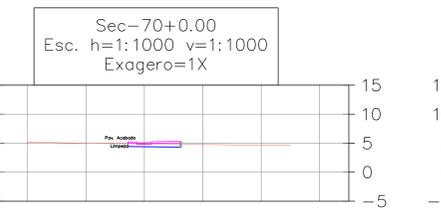
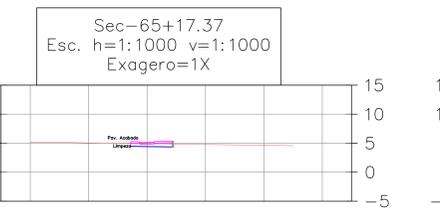
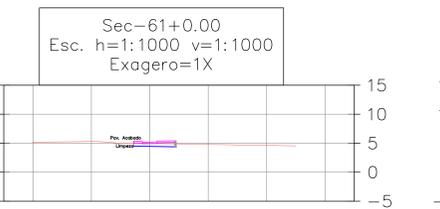
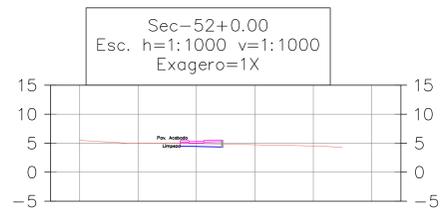
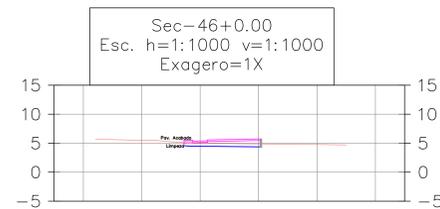
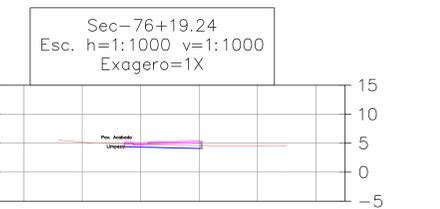
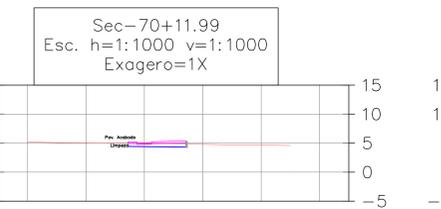
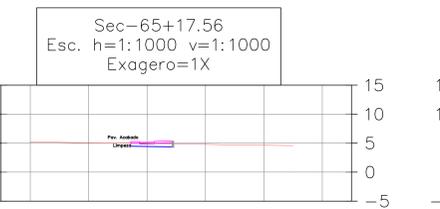
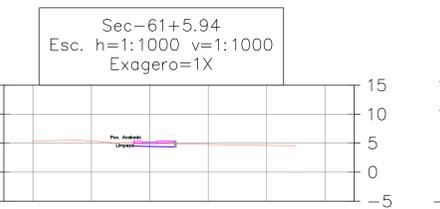
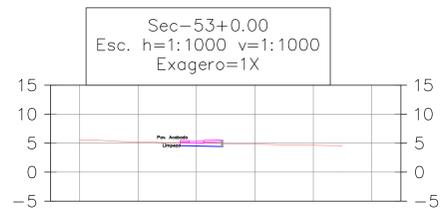
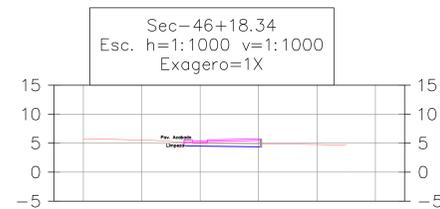
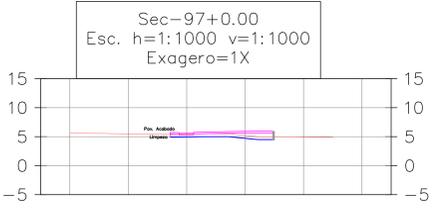
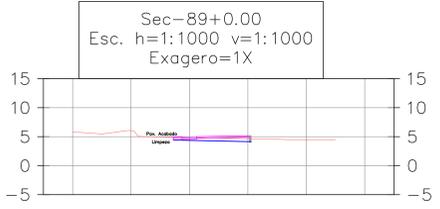
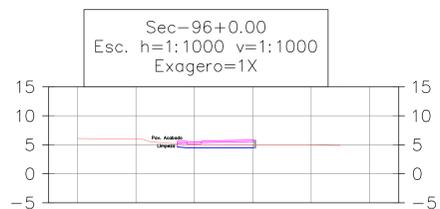
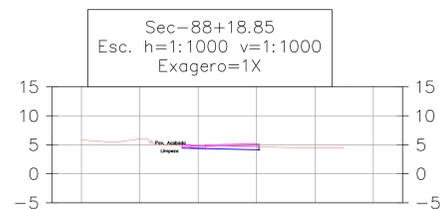
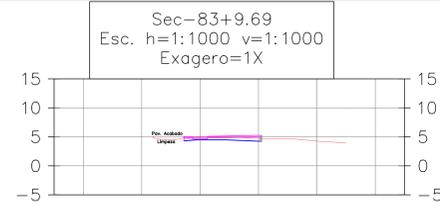
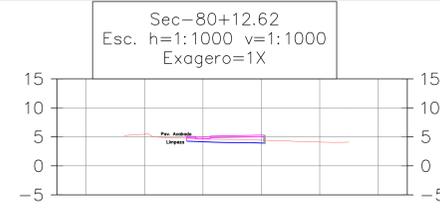
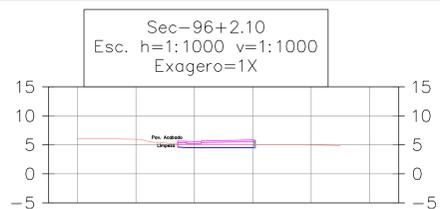
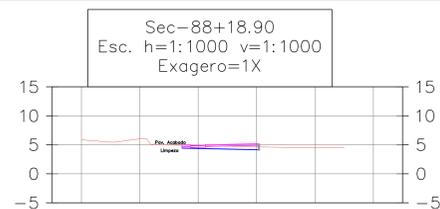
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DATA: Junho/2020

DATA	REVISÃO	OBSERVAÇÕES
31/07/2020	Emissão NPG	
25/09/2020	REV 01	ATENDIMENTO A EXIGENCIAS DA NOTA 01/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGENCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
Lucio Neres Pires Galvão
ENG. CIVIL - OREA 24357 DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOTÃO

DESCRICAÇÃO: Seções do Projeto de Terraplenagem do orla de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto.

PRANCHIA: 09/11

ENDEREÇO: Rua. Dr. Ancelmo Varejão até a AV. Barreto de Menezes.

ESCALA: 1:250

CONTRATANTE: PREFEITURA DE JABOTÃO DOS GUARARAPES

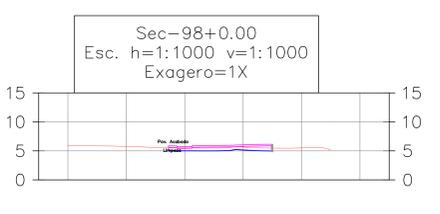
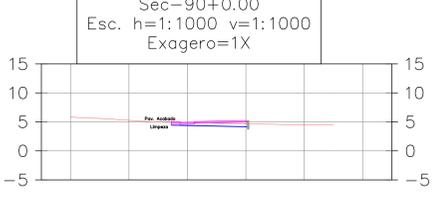
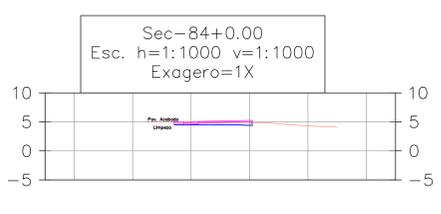
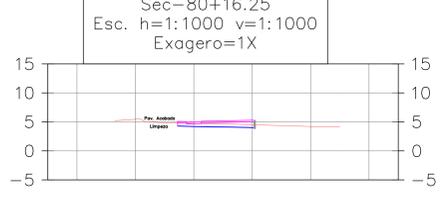
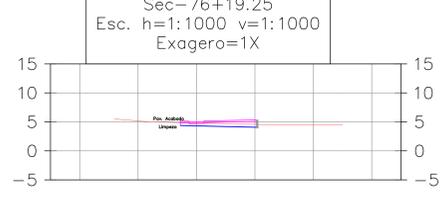
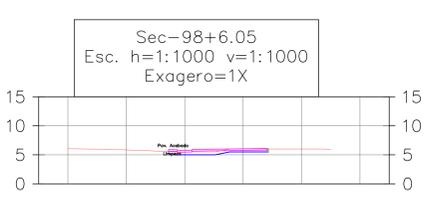
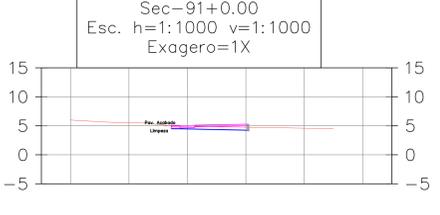
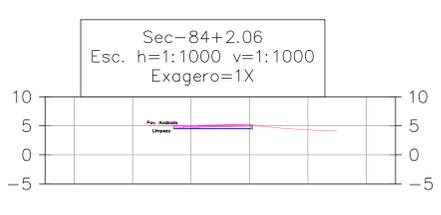
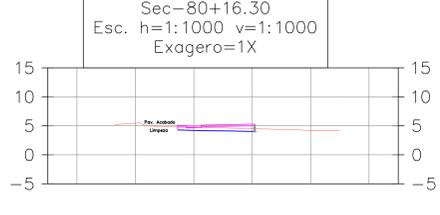
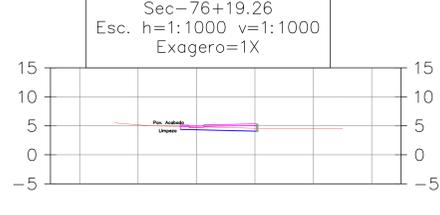
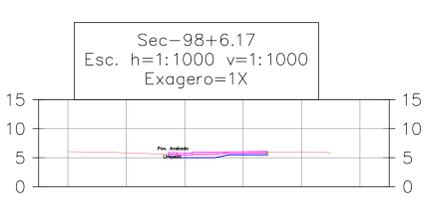
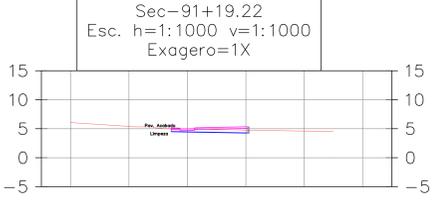
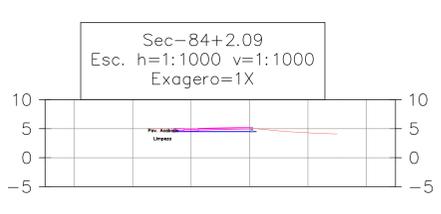
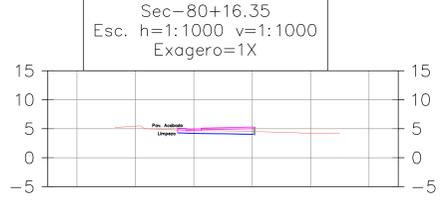
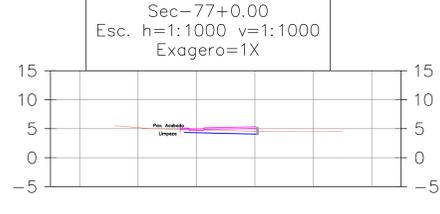
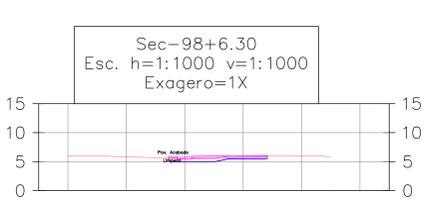
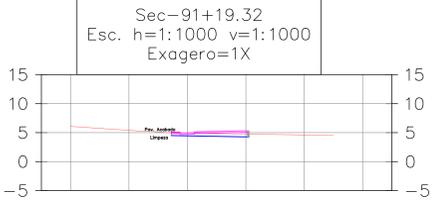
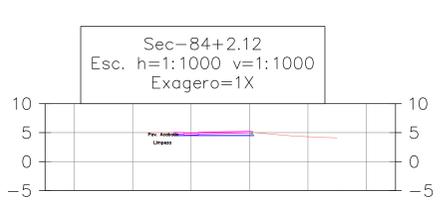
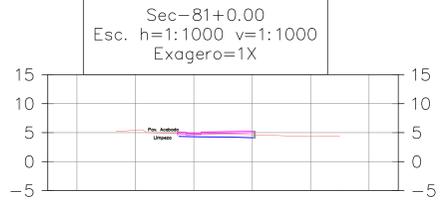
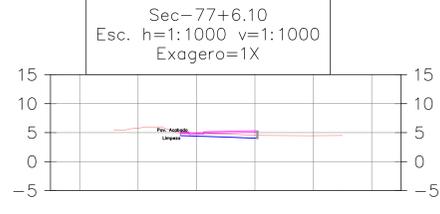
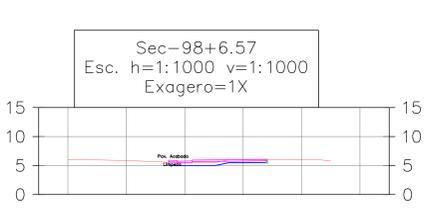
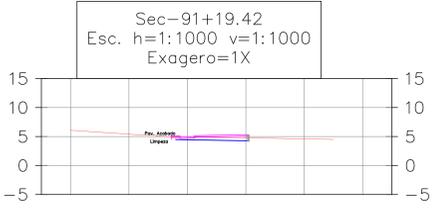
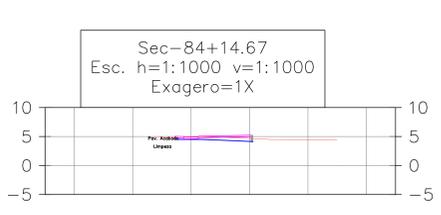
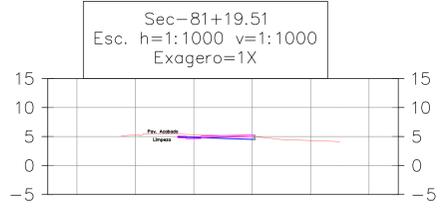
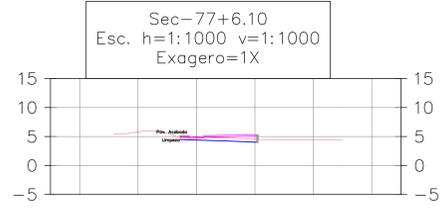
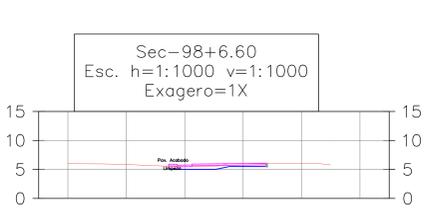
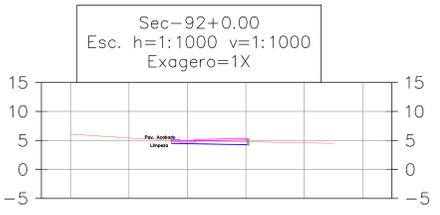
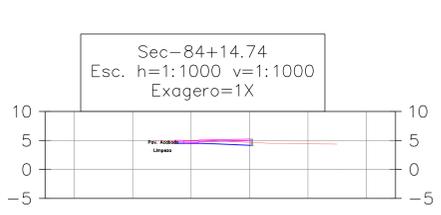
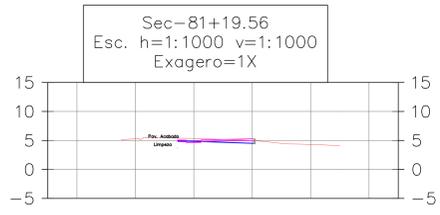
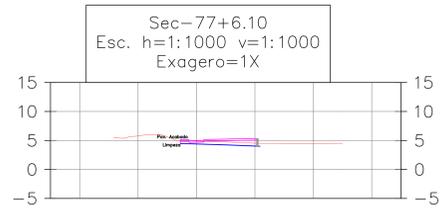
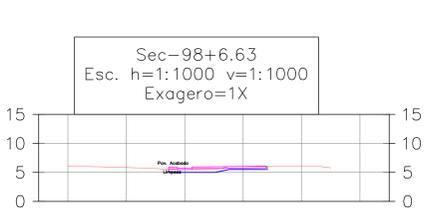
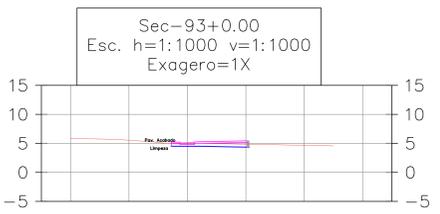
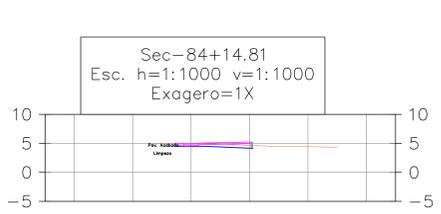
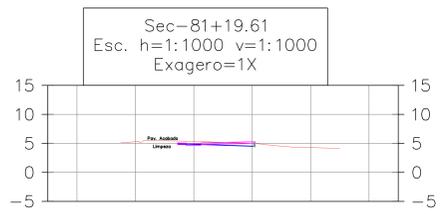
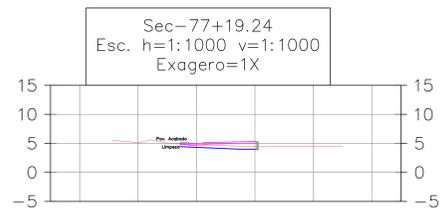
DATA: Junho/2020

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

DATA	REVISÃO	OBSERVAÇÕES
30/07/2020	Emissão NPG	
25/08/2020	REV 01	ATENDIMENTO A EXIGÊNCIAS DA NOTA 01/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGÊNCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLUÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
Lucio Neres Pires Galvão
ENG. CIVIL - OBRAS 24537 DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOATÃO

DESCRIÇÃO: Seções de Projeto de terraplenagem do orla de Jaboatão dos Guararapes. Compreende as seções transversais de todo o trajeto.

ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes.

CONTRATANTE: PREFEITURA DE JABOATÃO DOS GUARARAPES

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

DATA	REVISÃO	OBSERVAÇÕES
31/07/2020	Emissão NPG	
25/08/2020	REV 01	ATENDIMENTO A EXIGÊNCIAS DA NOTA 01/2020
09/09/2020	REV 02	ATENDIMENTO A EXIGÊNCIAS DA NOTA 02/2020
29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE COTAÇÃO

PRANCIA: 10 /11

ESCALA: 1:250

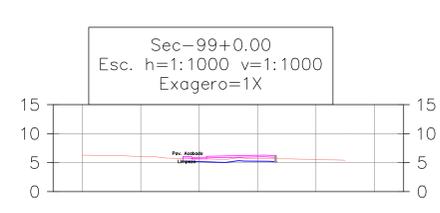
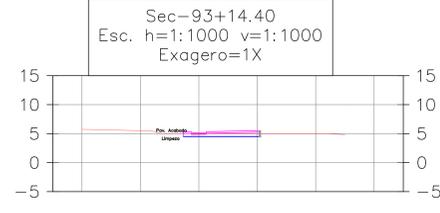
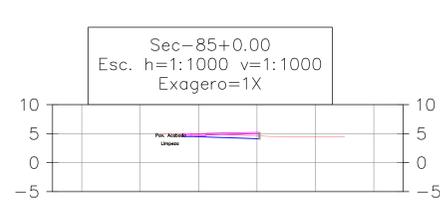
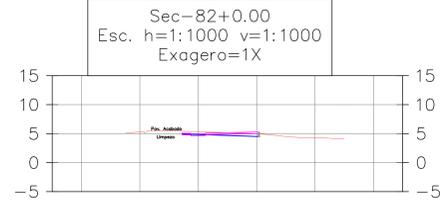
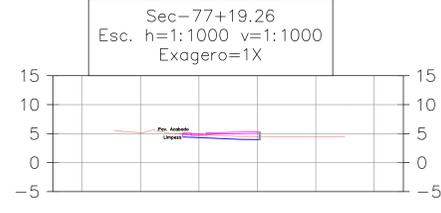
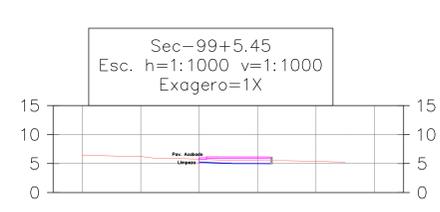
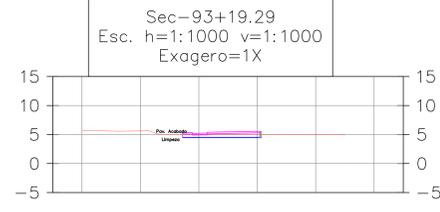
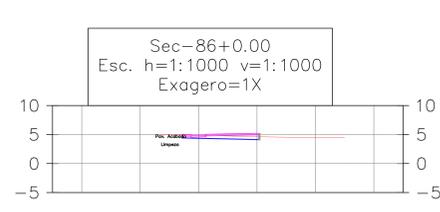
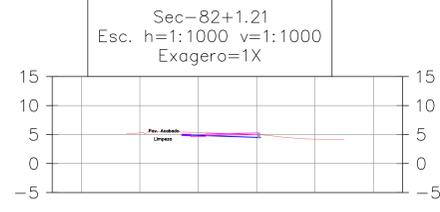
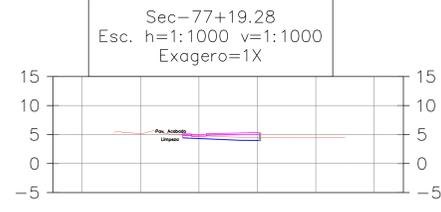
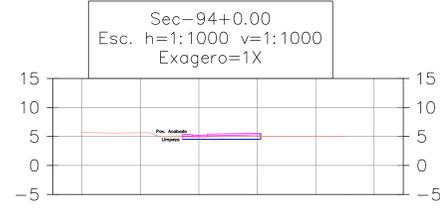
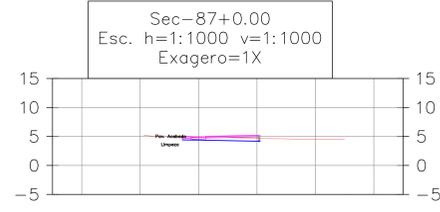
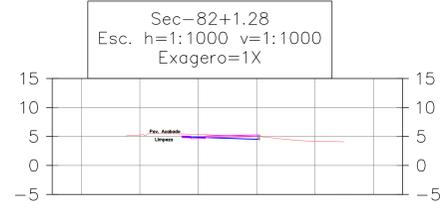
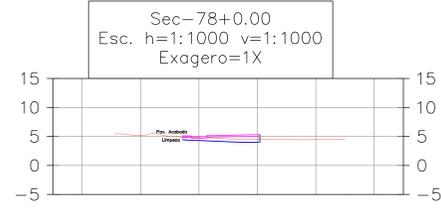
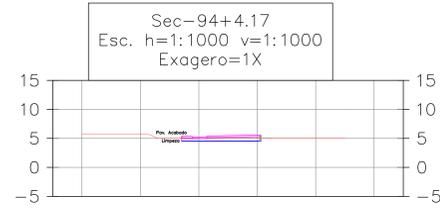
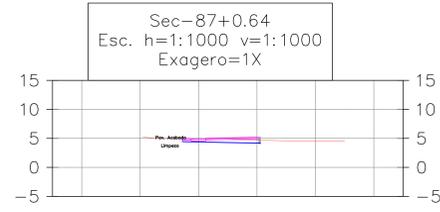
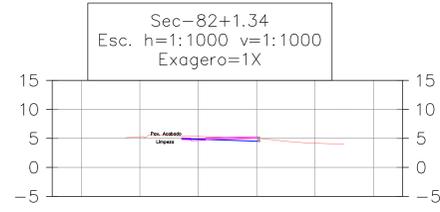
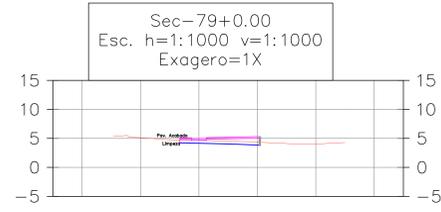
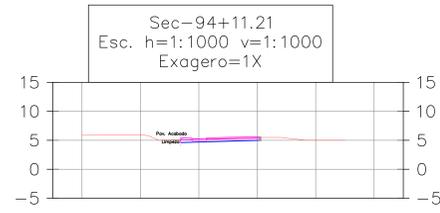
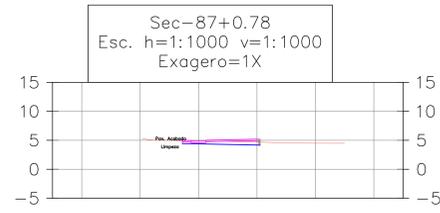
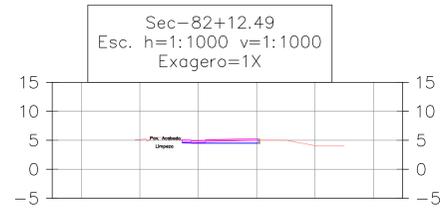
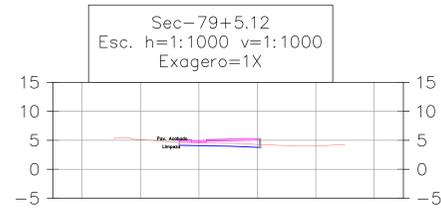
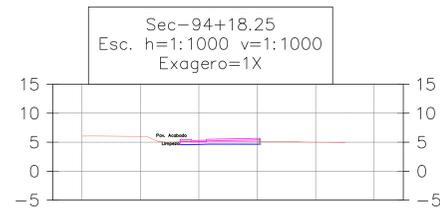
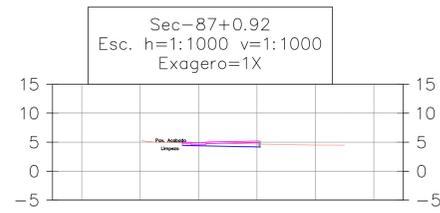
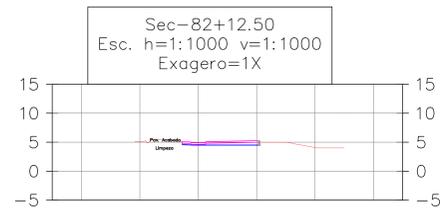
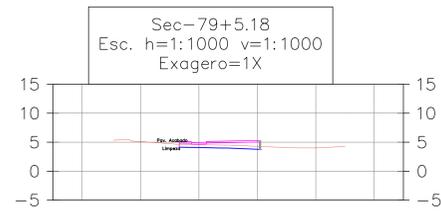
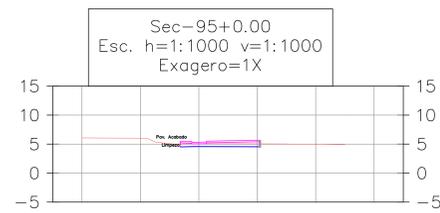
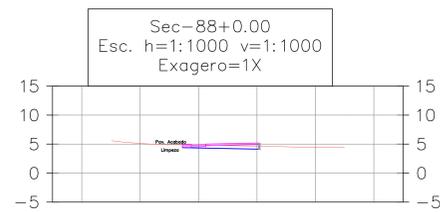
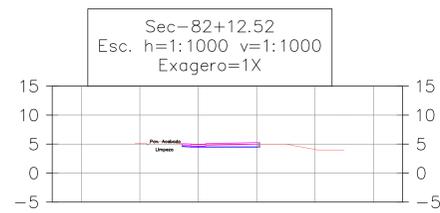
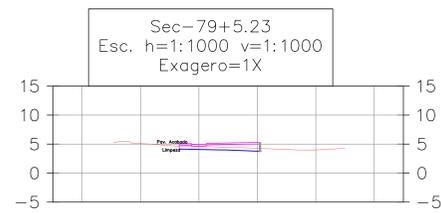
DATA: Junho/2020

SOLICITANTE: Prefeitura Municipal de Jaboatão dos Guararapes

CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:

Lucio Novaes Pires Galvão
ENG. CIVIL - CREA 24157 DPE



- LEGENDA:**
- LINHA DA LIMPEZA
 - LINHA DO TERRENO NATURAL
 - LINHA DO PAVIMENTO ACABADO
 - LINHA DA TERRAPLENAGEM



ETAPA: PROJETO DE TERRAPLENAGEM DA ORLA DE JABOTÃO

DESCRIGÃO: Seções de Projeto de terraplenagem do arco de Jabotão dos Guararapes. Compreende as seções transversais de todo o trajeto.

ENDEREÇO: Rua. Dr. Anciano Varejo até a AV. Barreto de Menezes.

CONTRATANTE: PREFEITURA DE JABOTÃO DOS GUARARAPES

CONTRATADA: NPG EMPREENDIMENTOS E SERVIÇOS

DATA	REVISÃO	OBSERVAÇÕES
31/07/2020	Emissão NPG	
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29/09/2020	REV 03	SOLICITAÇÃO - SEPARAÇÃO MAPA DE CUBAÇÃO

PRANCIA: 11 /11

ESCALA: 1:250

DATA: Junho/2020

SOLICITANTE: Prefeitura Municipal de Jabotão dos Guararapes
CNPJ: 10.377.679/0001-96

RESPONSÁVEL TÉCNICO:
Lucio Neres Pires Galvão
ENG. CIVIL - CREA 24357 DPE

CLASSIFICAÇÃO DE SOLOS: Sugestão do Highway Research Board-HRB adotada pela AASHTO

Classificação Geral	Materiais granulares (35% ou menos passando na peneira nº 200)							Materiais siltosos e argilosos (mais de 35% passando na peneira nº 200)			
	A-1		A-3	A-2				A-4	A-5	A-6	A-7
	A-1-a	A-1-b		A-2-4	A-2-5	A-2-6	A-2-7				A-7-5 / A-7-6
Peneiração: % que passa: Nº 10 Nº 40 Nº 200 (p)	50 máx. 30 máx. 15 máx.	50 máx. 25 máx.	51 mín. 10 máx.	35 máx.	35 máx.	35 máx.	35 máx.	36 mín.	36 mín.	36 mín.	36 mín.
Características da fração que passa nº 40 Limite de Liquidez - LL (%) Índice de Plasticidade IP (%)	6 máx.		NP	40 máx. 10 máx.	41 mín. 10 máx.	40 máx. 11 mín.	41 mín. 11 mín.	40 máx. 10 máx.	41 mín. 10 máx.	40 máx. 11 mín.	41 mín. 11 mín.
Índice de Grupo	0		0	0		4 máx.		8 máx.	12 máx.	16 máx.	20 máx.
Materiais que predominam	Pedra Britada pedregulho e areia		Areia fina	Areia e areia silosa ou argilosa				Solos Siltosos		Solos argilosos	
Comportamento geral como subleito	Excelente a bom							Fraco a pobre			

Processo de classificação: Com os dados de laboratório, iniciar a classificação da esquerda para a direita, por eliminação.

O primeiro grupo da esquerda que satisfizer os dados será o grupo procurado.

SOLOS A-7: Se $IP \leq LL - 30$, será A-7-5; Se $IP > LL - 30$, será A-7-6.

Índice de Grupo (IG): $IG = 0,2 \cdot a + 0,005 \cdot a \cdot c + 0,01 \cdot b \cdot d$

Onde:

p: teor de silte + argila do solo, ou seja, a porcentagem que passa na peneira nº 200.

$a = p - 35$ (se $p > 75\%$, adota-se 75 e se $p < 35\%$, adota-se 35)

a varia de 0 a 40 e $0,2 \cdot a$ varia de 0 a 8.

$b = p - 15$ (se $p > 55\%$, adota-se 55 e se $p < 15\%$, adota-se 15)

b varia de 0 a 40 e $0,01 \cdot b \cdot d$ varia de 0 a 8.

$c = LL - 40$ (se $LL > 60\%$, adota-se 60 e se $LL < 40\%$, adota-se 40)

c varia de 0 a 20 e $0,005 \cdot a \cdot c$ varia de 0 a 4.

$d = IP - 10$ (se $IP > 30$, adota-se 30 e se $IP < 10$, adota-se 10)

d varia de 0 a 20 e $0,01 \cdot b \cdot d$ varia de 0 a 8.

$IG_{\min.} = 0$

$IG_{\max.} = 20$

IG - o resultado final obtido deve ser um nº inteiro - aproximação para o nº inteiro acima.

Relatório do volume - LIMPEZA

Alinhamento: ALINHAMENTO EIXO CICLOVIA - 1

Grupo de linhas de amostra: SEÇÕES - ALINHAMENTO EIXO CICLOVIA - 1

Estaca inicial: 0+000.000

Estaca final: 1+985.447

Estaca	Área de corte (metros quadrados)	Volume de corte (metros cúbicos)	Volume reutilizável (metros cúbicos)	Área de aterro (metros quadrados)	Volume de aterro (metros cúbicos)	Vol. corte acumul. (metros cúbicos)	Vol. reutilizável acumul. (metros cúbicos)	Vol. aterro acumul. (metros cúbicos)	Vol. líquido acumul. (metros cúbicos)
0+000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.000	0.00	0.00	0.00	2.88	28.84	0.00	0.00	28.84	-28.84
0+031.316	0.00	0.00	0.00	2.32	29.45	0.00	0.00	58.30	-58.30
0+032.005	0.00	0.00	0.00	2.29	1.59	0.00	0.00	59.88	-59.88
0+032.694	0.00	0.00	0.00	2.23	1.56	0.00	0.00	61.44	-61.44
0+033.315	0.00	0.00	0.00	2.17	1.36	0.00	0.00	62.80	-62.80
0+033.727	0.00	0.00	0.00	2.15	0.37	0.00	0.00	63.17	-63.17
0+034.139	0.00	0.00	0.00	2.14	0.36	0.00	0.00	63.53	-63.53
0+040.000	0.00	0.00	0.00	1.71	11.29	0.00	0.00	74.82	-74.82
0+060.000	0.00	0.00	0.00	2.31	40.23	0.00	0.00	115.05	-115.05
0+080.000	0.00	0.00	0.00	3.88	61.88	0.00	0.00	176.93	-176.93
0+100.000	0.00	0.00	0.00	5.07	89.44	0.00	0.00	266.37	-266.37
0+111.247	0.00	0.00	0.00	7.11	68.49	0.00	0.00	334.86	-334.86
0+116.467	0.00	0.00	0.00	6.87	33.66	0.00	0.00	368.52	-368.52
0+120.000	0.00	0.00	0.00	6.60	23.60	0.00	0.00	392.12	-392.12
0+121.687	0.00	0.00	0.00	6.56	11.09	0.00	0.00	403.21	-403.21
0+125.556	0.00	0.00	0.00	6.92	25.18	0.00	0.00	428.40	-428.40
0+128.299	0.00	0.00	0.00	6.95	18.96	0.00	0.00	447.36	-447.36
0+131.042	0.00	0.00	0.00	6.28	17.60	0.00	0.00	464.96	-464.96
0+135.415	0.00	0.00	0.00	4.39	22.08	0.00	0.00	487.04	-487.04
0+135.627	0.00	0.00	0.00	4.25	0.54	0.00	0.00	487.59	-487.59
0+135.839	0.00	0.00	0.00	4.11	0.51	0.00	0.00	488.10	-488.10
0+140.000	0.00	0.00	0.00	2.83	14.45	0.00	0.00	502.55	-502.55
0+157.474	0.00	0.00	0.00	3.27	53.29	0.00	0.00	555.84	-555.84
0+157.480	0.00	0.00	0.00	3.27	0.02	0.00	0.00	555.86	-555.86
0+157.486	0.00	0.00	0.00	3.27	0.02	0.00	0.00	555.88	-555.88
0+160.000	0.00	0.00	0.00	4.76	10.09	0.00	0.00	565.97	-565.97
0+180.000	0.00	0.00	0.00	3.67	84.26	0.00	0.00	650.23	-650.23
0+200.000	0.00	0.00	0.00	4.34	80.10	0.00	0.00	730.33	-730.33
0+220.000	0.00	0.00	0.00	1.47	58.11	0.00	0.00	788.44	-788.44
0+240.000	0.00	0.00	0.00	3.67	51.38	0.00	0.00	839.82	-839.82
0+244.561	0.00	0.00	0.00	4.50	18.64	0.00	0.00	858.46	-858.46
0+244.587	0.00	0.00	0.00	4.51	0.12	0.00	0.00	858.57	-858.57
0+244.614	0.00	0.00	0.00	4.51	0.12	0.00	0.00	858.69	-858.69
0+260.000	0.00	0.00	0.00	3.90	64.75	0.00	0.00	923.44	-923.44
0+273.606	0.00	0.00	0.00	1.84	39.08	0.00	0.00	962.52	-962.52
0+273.653	0.00	0.00	0.00	1.83	0.09	0.00	0.00	962.61	-962.61
0+273.700	0.00	0.00	0.00	1.83	0.09	0.00	0.00	962.70	-962.70
0+280.000	0.00	0.00	0.00	1.58	10.75	0.00	0.00	973.44	-973.44
0+300.000	0.00	0.00	0.00	5.15	67.37	0.00	0.00	1040.81	-1040.81
0+300.392	0.00	0.00	0.00	5.23	2.03	0.00	0.00	1042.85	-1042.85
0+300.566	0.00	0.00	0.00	5.26	0.67	0.00	0.00	1043.52	-1043.52
0+300.739	0.00	0.00	0.00	5.29	0.68	0.00	0.00	1044.20	-1044.20
0+320.000	0.00	0.00	0.00	9.26	140.07	0.00	0.00	1184.27	-1184.27
0+338.502	0.00	0.00	0.00	9.06	169.45	0.00	0.00	1353.73	-1353.73
0+338.615	0.00	0.00	0.00	9.06	0.81	0.00	0.00	1354.54	-1354.54
0+338.728	0.00	0.00	0.00	9.06	0.81	0.00	0.00	1355.34	-1355.34
0+340.000	0.00	0.00	0.00	9.02	11.50	0.00	0.00	1366.85	-1366.85
0+360.000	0.00	0.00	0.00	8.45	174.73	0.00	0.00	1541.57	-1541.57
0+361.430	0.00	0.00	0.00	8.46	12.08	0.00	0.00	1553.66	-1553.66
0+361.500	0.00	0.00	0.00	8.46	0.60	0.00	0.00	1554.26	-1554.26
0+361.571	0.00	0.00	0.00	8.46	0.60	0.00	0.00	1554.86	-1554.86
0+380.000	0.00	0.00	0.00	8.19	153.39	0.00	0.00	1708.25	-1708.25
0+400.000	0.00	0.00	0.00	8.04	162.32	0.00	0.00	1870.57	-1870.57
0+420.000	0.00	0.00	0.00	7.41	154.58	0.00	0.00	2025.14	-2025.14
0+421.149	0.00	0.00	0.00	7.41	8.52	0.00	0.00	2033.66	-2033.66
0+421.191	0.00	0.00	0.00	7.41	0.32	0.00	0.00	2033.97	-2033.97
0+421.234	0.00	0.00	0.00	7.41	0.32	0.00	0.00	2034.29	-2034.29
0+440.000	0.00	0.00	0.00	7.32	138.29	0.00	0.00	2172.58	-2172.58
0+446.685	0.00	0.00	0.00	7.27	48.77	0.00	0.00	2221.36	-2221.36
0+447.661	0.00	0.00	0.00	7.45	8.76	0.00	0.00	2230.12	-2230.12
0+448.637	0.00	0.00	0.00	8.37	9.91	0.00	0.00	2240.02	-2240.02
0+460.000	0.00	0.00	0.00	15.06	133.11	0.00	0.00	2373.14	-2373.14
0+462.873	0.00	0.00	0.00	16.74	45.68	0.00	0.00	2418.81	-2418.81

0+463.851	0.00	0.00	0.00	16.11	-2.24	0.00	0.00	2416.58	-2416.58
0+464.830	0.00	0.00	0.00	15.64	-1.47	0.00	0.00	2415.11	-2415.11
0+480.000	0.00	0.00	0.00	15.61	237.04	0.00	0.00	2652.15	-2652.15
0+500.000	0.00	0.00	0.00	15.41	310.15	0.00	0.00	2962.30	-2962.30
0+516.359	0.00	0.00	0.00	15.26	250.88	0.00	0.00	3213.17	-3213.17
0+517.423	0.00	0.00	0.00	15.72	34.91	0.00	0.00	3248.08	-3248.08
0+518.488	0.00	0.00	0.00	18.10	40.73	0.00	0.00	3288.81	-3288.81
0+520.000	0.00	0.00	0.00	19.27	28.25	0.00	0.00	3317.06	-3317.06
0+527.188	0.00	0.00	0.00	24.15	156.03	0.00	0.00	3473.09	-3473.09
0+528.628	0.00	0.00	0.00	22.61	-28.10	0.00	0.00	3444.99	-3444.99
0+530.068	0.00	0.00	0.00	22.22	-23.88	0.00	0.00	3421.11	-3421.11
0+540.000	0.00	0.00	0.00	20.63	212.83	0.00	0.00	3633.93	-3633.93
0+558.241	0.00	0.00	0.00	16.16	335.55	0.00	0.00	3969.48	-3969.48
0+558.400	0.00	0.00	0.00	16.23	-0.41	0.00	0.00	3969.07	-3969.07
0+558.560	0.00	0.00	0.00	16.33	-0.43	0.00	0.00	3968.64	-3968.64
0+560.000	0.00	0.00	0.00	15.83	23.16	0.00	0.00	3991.80	-3991.80
0+580.000	0.00	0.00	0.00	13.11	289.37	0.00	0.00	4281.17	-4281.17
0+598.160	0.00	0.00	0.00	13.69	243.34	0.00	0.00	4524.51	-4524.51
0+598.302	0.00	0.00	0.00	13.71	0.01	0.00	0.00	4524.52	-4524.52
0+598.445	0.00	0.00	0.00	13.73	0.01	0.00	0.00	4524.53	-4524.53
0+600.000	0.00	0.00	0.00	13.79	21.40	0.00	0.00	4545.93	-4545.93
0+620.000	0.00	0.00	0.00	13.74	275.27	0.00	0.00	4821.20	-4821.20
0+631.674	0.00	0.00	0.00	13.34	158.09	0.00	0.00	4979.30	-4979.30
0+631.762	0.00	0.00	0.00	13.34	2.34	0.00	0.00	4981.64	-4981.64
0+631.849	0.00	0.00	0.00	13.34	2.34	0.00	0.00	4983.98	-4983.98
0+640.000	0.00	0.00	0.00	12.71	106.17	0.00	0.00	5090.15	-5090.15
0+656.344	0.00	0.00	0.00	12.70	207.59	0.00	0.00	5297.74	-5297.74
0+656.430	0.00	0.00	0.00	12.70	-0.13	0.00	0.00	5297.60	-5297.60
0+656.515	0.00	0.00	0.00	12.70	-0.13	0.00	0.00	5297.47	-5297.47
0+660.000	0.00	0.00	0.00	12.75	44.36	0.00	0.00	5341.83	-5341.83
0+668.622	0.00	0.00	0.00	12.44	108.60	0.00	0.00	5450.43	-5450.43
0+668.672	0.00	0.00	0.00	12.43	0.63	0.00	0.00	5451.06	-5451.06
0+668.723	0.00	0.00	0.00	12.43	0.63	0.00	0.00	5451.69	-5451.69
0+680.000	0.00	0.00	0.00	11.82	136.74	0.00	0.00	5588.42	-5588.42
0+700.000	0.00	0.00	0.00	12.79	246.09	0.00	0.00	5834.51	-5834.51
0+720.000	0.00	0.00	0.00	13.15	259.37	0.00	0.00	6093.88	-6093.88
0+733.336	0.00	0.00	0.00	12.95	174.01	0.00	0.00	6267.89	-6267.89
0+733.483	0.00	0.00	0.00	12.94	0.01	0.00	0.00	6267.90	-6267.90
0+733.630	0.00	0.00	0.00	12.94	0.01	0.00	0.00	6267.92	-6267.92
0+740.000	0.00	0.00	0.00	12.85	82.15	0.00	0.00	6350.06	-6350.06
0+760.000	0.00	0.00	0.00	12.96	258.10	0.00	0.00	6608.17	-6608.17
0+769.334	0.00	0.00	0.00	12.87	120.51	0.00	0.00	6728.68	-6728.68
0+769.512	0.00	0.00	0.00	12.85	0.02	0.00	0.00	6728.69	-6728.69
0+769.689	0.00	0.00	0.00	12.87	0.02	0.00	0.00	6728.71	-6728.71
0+780.000	0.00	0.00	0.00	12.78	132.22	0.00	0.00	6860.93	-6860.93
0+799.669	0.00	0.00	0.00	12.46	248.20	0.00	0.00	7109.13	-7109.13
0+799.695	0.00	0.00	0.00	12.46	0.33	0.00	0.00	7109.46	-7109.46
0+799.721	0.00	0.00	0.00	12.46	0.33	0.00	0.00	7109.78	-7109.78
0+800.000	0.00	0.00	0.00	12.46	3.48	0.00	0.00	7113.26	-7113.26
0+820.000	0.00	0.00	0.00	12.54	250.06	0.00	0.00	7363.32	-7363.32
0+840.000	0.00	0.00	0.00	12.03	245.79	0.00	0.00	7609.11	-7609.11
0+859.120	0.00	0.00	0.00	10.90	219.25	0.00	0.00	7828.36	-7828.36
0+859.187	0.00	0.00	0.00	10.89	0.73	0.00	0.00	7829.09	-7829.09
0+859.254	0.00	0.00	0.00	10.89	0.73	0.00	0.00	7829.82	-7829.82
0+860.000	0.00	0.00	0.00	10.87	8.12	0.00	0.00	7837.94	-7837.94
0+880.000	0.00	0.00	0.00	10.88	217.53	0.00	0.00	8055.47	-8055.47
0+883.588	0.00	0.00	0.00	10.96	39.19	0.00	0.00	8094.65	-8094.65
0+883.651	0.00	0.00	0.00	10.97	0.69	0.00	0.00	8095.34	-8095.34
0+883.714	0.00	0.00	0.00	10.97	0.69	0.00	0.00	8096.04	-8096.04
0+900.000	0.00	0.00	0.00	11.50	182.95	0.00	0.00	8278.99	-8278.99
0+920.000	0.00	0.00	0.00	11.31	228.05	0.00	0.00	8507.03	-8507.03
0+938.345	0.00	0.00	0.00	11.13	205.83	0.00	0.00	8712.86	-8712.86
0+938.464	0.00	0.00	0.00	11.14	2.68	0.00	0.00	8715.55	-8715.55
0+938.584	0.00	0.00	0.00	11.15	2.69	0.00	0.00	8718.23	-8718.23
0+940.000	0.00	0.00	0.00	11.13	15.78	0.00	0.00	8734.01	-8734.01
0+960.000	0.00	0.00	0.00	10.53	216.62	0.00	0.00	8950.63	-8950.63
0+980.000	0.00	0.00	0.00	10.19	207.25	0.00	0.00	9157.88	-9157.88
1+000.000	0.00	0.00	0.00	9.53	197.17	0.00	0.00	9355.06	-9355.06
1+008.802	0.00	0.00	0.00	8.91	81.12	0.00	0.00	9436.18	-9436.18
1+010.492	0.00	0.00	0.00	9.72	-1.93	0.00	0.00	9434.25	-9434.25
1+012.182	0.00	0.00	0.00	11.53	-4.99	0.00	0.00	9429.26	-9429.26
1+017.864	0.00	0.00	0.00	7.43	53.85	0.00	0.00	9483.11	-9483.11
1+018.832	0.00	0.00	0.00	5.51	10.53	0.00	0.00	9493.64	-9493.64
1+019.800	0.00	0.00	0.00	5.22	6.60	0.00	0.00	9500.24	-9500.24
1+020.000	0.00	0.00	0.00	5.12	1.03	0.00	0.00	9501.28	-9501.28
1+021.295	0.00	0.00	0.00	4.47	6.21	0.00	0.00	9507.49	-9507.49
1+021.332	0.00	0.00	0.00	4.47	0.16	0.00	0.00	9507.65	-9507.65
1+021.368	0.00	0.00	0.00	4.47	0.16	0.00	0.00	9507.81	-9507.81
1+040.000	0.00	0.00	0.00	5.15	89.66	0.00	0.00	9597.48	-9597.48
1+060.000	0.00	0.00	0.00	4.63	97.83	0.00	0.00	9695.30	-9695.30
1+080.000	0.00	0.00	0.00	4.90	95.31	0.00	0.00	9790.62	-9790.62
1+090.011	0.00	0.00	0.00	4.78	48.50	0.00	0.00	9839.11	-9839.11
1+090.182	0.00	0.00	0.00	4.75	0.48	0.00	0.00	9839.59	-9839.59
1+090.352	0.00	0.00	0.00	4.75	0.47	0.00	0.00	9840.07	-9840.07
1+100.000	0.00	0.00	0.00	4.84	46.23	0.00	0.00	9886.30	-9886.30
1+120.000	0.00	0.00	0.00	4.78	96.16	0.00	0.00	9982.47	-9982.47
1+140.000	0.00	0.00	0.00	4.71	94.88	0.00	0.00	10077.35	-10077.35
1+160.000	0.00	0.00	0.00	4.57	92.79	0.00	0.00	10170.14	-10170.14
1+166.310	0.00	0.00	0.00	4.31	28.04	0.00	0.00	10198.17	-10198.17
1+166.344	0.00	0.00	0.00	4.31	0.14	0.00	0.00	10198.32	-10198.32
1+166.377	0.00	0.00	0.00	4.31	0.14	0.00	0.00	10198.46	-10198.46
1+180.000	0.00	0.00	0.00	3.71	54.60	0.00	0.00	10253.06	-10253.06
1+196.992	0.00	0.00	0.00	3.04	57.31	0.00	0.00	10310.37	-10310.37

1+197.111	0.00	0.00	0.00	3.05	0.58	0.00	0.00	10310.95	-10310.95
1+197.229	0.00	0.00	0.00	3.04	0.58	0.00	0.00	10311.53	-10311.53
1+200.000	0.00	0.00	0.00	3.11	8.52	0.00	0.00	10320.05	-10320.05
1+220.000	0.00	0.00	0.00	4.13	72.42	0.00	0.00	10392.47	-10392.47
1+225.940	0.00	0.00	0.00	4.28	24.99	0.00	0.00	10417.46	-10417.46
1+226.004	0.00	0.00	0.00	4.29	0.39	0.00	0.00	10417.85	-10417.85
1+226.068	0.00	0.00	0.00	4.29	0.39	0.00	0.00	10418.25	-10418.25
1+240.000	0.00	0.00	0.00	3.97	57.49	0.00	0.00	10475.74	-10475.74
1+260.000	0.00	0.00	0.00	3.72	76.88	0.00	0.00	10552.61	-10552.61
1+261.114	0.00	0.00	0.00	3.75	4.16	0.00	0.00	10556.77	-10556.77
1+261.149	0.00	0.00	0.00	3.75	0.13	0.00	0.00	10556.90	-10556.90
1+261.183	0.00	0.00	0.00	3.75	0.13	0.00	0.00	10557.03	-10557.03
1+276.483	0.00	0.00	0.00	4.01	59.35	0.00	0.00	10616.38	-10616.38
1+276.577	0.00	0.00	0.00	4.01	0.54	0.00	0.00	10616.92	-10616.92
1+276.672	0.00	0.00	0.00	4.01	0.54	0.00	0.00	10617.47	-10617.47
1+280.000	0.00	0.00	0.00	4.04	13.40	0.00	0.00	10630.86	-10630.86
1+297.053	0.00	0.00	0.00	4.15	69.79	0.00	0.00	10700.65	-10700.65
1+297.102	0.00	0.00	0.00	4.15	0.29	0.00	0.00	10700.94	-10700.94
1+297.151	0.00	0.00	0.00	4.15	0.29	0.00	0.00	10701.23	-10701.23
1+300.000	0.00	0.00	0.00	4.15	11.82	0.00	0.00	10713.05	-10713.05
1+317.183	0.00	0.00	0.00	3.91	69.25	0.00	0.00	10782.31	-10782.31
1+317.371	0.00	0.00	0.00	3.91	0.42	0.00	0.00	10782.72	-10782.72
1+317.559	0.00	0.00	0.00	3.91	0.42	0.00	0.00	10783.14	-10783.14
1+320.000	0.00	0.00	0.00	3.90	9.53	0.00	0.00	10792.67	-10792.67
1+340.000	0.00	0.00	0.00	3.99	78.89	0.00	0.00	10871.56	-10871.56
1+360.000	0.00	0.00	0.00	3.94	79.31	0.00	0.00	10950.87	-10950.87
1+362.176	0.00	0.00	0.00	3.94	8.57	0.00	0.00	10959.44	-10959.44
1+362.198	0.00	0.00	0.00	3.94	0.09	0.00	0.00	10959.53	-10959.53
1+362.220	0.00	0.00	0.00	3.94	0.09	0.00	0.00	10959.61	-10959.61
1+366.183	0.00	0.00	0.00	3.99	15.71	0.00	0.00	10975.32	-10975.32
1+366.314	0.00	0.00	0.00	3.99	0.75	0.00	0.00	10976.07	-10976.07
1+366.445	0.00	0.00	0.00	3.99	0.75	0.00	0.00	10976.81	-10976.81
1+376.920	0.00	0.00	0.00	3.85	41.07	0.00	0.00	11017.88	-11017.88
1+377.009	0.00	0.00	0.00	3.85	0.20	0.00	0.00	11018.07	-11018.07
1+377.098	0.00	0.00	0.00	3.86	0.20	0.00	0.00	11018.27	-11018.27
1+378.215	0.00	0.00	0.00	3.91	4.34	0.00	0.00	11022.61	-11022.61
1+378.303	0.00	0.00	0.00	3.91	0.49	0.00	0.00	11023.09	-11023.09
1+378.392	0.00	0.00	0.00	3.90	0.49	0.00	0.00	11023.58	-11023.58
1+380.000	0.00	0.00	0.00	3.89	6.27	0.00	0.00	11029.85	-11029.85
1+400.000	0.00	0.00	0.00	4.23	81.21	0.00	0.00	11111.06	-11111.06
1+411.990	0.00	0.00	0.00	5.05	55.62	0.00	0.00	11166.68	-11166.68
1+412.000	0.00	0.00	0.00	5.05	0.05	0.00	0.00	11166.73	-11166.73
1+412.009	0.00	0.00	0.00	5.05	0.05	0.00	0.00	11166.78	-11166.78
1+420.000	0.00	0.00	0.00	5.56	42.39	0.00	0.00	11209.17	-11209.17
1+440.000	0.00	0.00	0.00	6.83	123.84	0.00	0.00	11333.01	-11333.01
1+447.330	0.00	0.00	0.00	6.95	50.49	0.00	0.00	11383.50	-11383.50
1+447.472	0.00	0.00	0.00	6.92	-0.92	0.00	0.00	11382.58	-11382.58
1+447.613	0.00	0.00	0.00	6.92	-0.91	0.00	0.00	11381.67	-11381.67
1+460.000	0.00	0.00	0.00	6.23	81.44	0.00	0.00	11463.11	-11463.11
1+472.257	0.00	0.00	0.00	6.66	79.00	0.00	0.00	11542.11	-11542.11
1+472.322	0.00	0.00	0.00	6.68	1.25	0.00	0.00	11543.36	-11543.36
1+472.387	0.00	0.00	0.00	6.69	1.25	0.00	0.00	11544.62	-11544.62
1+480.000	0.00	0.00	0.00	7.03	52.23	0.00	0.00	11596.85	-11596.85
1+500.000	0.00	0.00	0.00	7.40	144.33	0.00	0.00	11741.17	-11741.17
1+508.574	0.00	0.00	0.00	8.19	66.83	0.00	0.00	11808.00	-11808.00
1+508.585	0.00	0.00	0.00	8.19	0.08	0.00	0.00	11808.09	-11808.09
1+508.595	0.00	0.00	0.00	8.19	0.08	0.00	0.00	11808.17	-11808.17
1+520.000	0.00	0.00	0.00	8.45	94.86	0.00	0.00	11903.03	-11903.03
1+539.242	0.00	0.00	0.00	8.77	165.63	0.00	0.00	12068.65	-12068.65
1+539.251	0.00	0.00	0.00	8.77	0.08	0.00	0.00	12068.73	-12068.73
1+539.260	0.00	0.00	0.00	8.77	0.08	0.00	0.00	12068.81	-12068.81
1+540.000	0.00	0.00	0.00	8.83	6.51	0.00	0.00	12075.32	-12075.32
1+546.101	0.00	0.00	0.00	8.22	51.99	0.00	0.00	12127.31	-12127.31
1+546.103	0.00	0.00	0.00	8.22	0.01	0.00	0.00	12127.32	-12127.32
1+546.104	0.00	0.00	0.00	8.21	0.01	0.00	0.00	12127.33	-12127.33
1+559.236	0.00	0.00	0.00	9.36	115.41	0.00	0.00	12242.74	-12242.74
1+559.259	0.00	0.00	0.00	9.37	0.21	0.00	0.00	12242.95	-12242.95
1+559.282	0.00	0.00	0.00	9.37	0.21	0.00	0.00	12243.17	-12243.17
1+560.000	0.00	0.00	0.00	9.47	6.77	0.00	0.00	12249.94	-12249.94
1+580.000	0.00	0.00	0.00	10.68	201.50	0.00	0.00	12451.44	-12451.44
1+585.122	0.00	0.00	0.00	11.47	56.72	0.00	0.00	12508.15	-12508.15
1+585.178	0.00	0.00	0.00	11.50	1.84	0.00	0.00	12510.00	-12510.00
1+585.234	0.00	0.00	0.00	11.52	1.85	0.00	0.00	12511.85	-12511.85
1+600.000	0.00	0.00	0.00	12.08	174.24	0.00	0.00	12686.09	-12686.09
1+612.524	0.00	0.00	0.00	10.28	140.01	0.00	0.00	12826.10	-12826.10
1+612.572	0.00	0.00	0.00	10.29	-0.44	0.00	0.00	12825.66	-12825.66
1+612.619	0.00	0.00	0.00	10.30	-0.44	0.00	0.00	12825.23	-12825.23
1+616.245	0.00	0.00	0.00	9.12	35.21	0.00	0.00	12860.44	-12860.44
1+616.300	0.00	0.00	0.00	9.06	1.41	0.00	0.00	12861.85	-12861.85
1+616.354	0.00	0.00	0.00	9.01	1.40	0.00	0.00	12863.24	-12863.24
1+620.000	0.00	0.00	0.00	7.73	30.52	0.00	0.00	12893.77	-12893.77
1+639.511	0.63	6.18	6.18	2.26	97.50	6.18	6.18	12991.27	-12985.09
1+639.563	0.64	0.03	0.03	2.26	0.46	6.20	6.20	12991.73	-12985.52
1+639.614	0.64	0.03	0.03	2.26	0.46	6.23	6.23	12992.19	-12985.96
1+640.000	0.67	0.25	0.25	2.26	0.87	6.48	6.48	12993.06	-12986.58
1+641.213	0.71	0.84	0.84	2.26	2.74	7.32	7.32	12995.80	-12988.48
1+641.275	0.72	0.03	0.03	2.26	0.55	7.35	7.35	12996.35	-12989.00
1+641.337	0.72	0.03	0.03	2.26	0.55	7.39	7.39	12996.90	-12989.52
1+652.489	0.00	3.99	3.99	4.20	36.01	11.37	11.37	13032.92	-13021.54
1+652.502	0.00	0.00	0.00	4.20	0.06	11.37	11.37	13032.97	-13021.60
1+652.515	0.00	0.00	0.00	4.20	0.06	11.37	11.37	13033.03	-13021.65
1+660.000	0.00	0.00	0.00	4.28	31.74	11.37	11.37	13064.77	-13053.40
1+669.687	0.00	0.00	0.00	5.26	46.22	11.37	11.37	13110.99	-13099.62

1+669.690	0.00	0.00	0.00	5.26	0.02	11.37	11.37	13111.01	-13099.64
1+669.694	0.00	0.00	0.00	5.26	0.02	11.37	11.37	13111.03	-13099.66
1+680.000	0.00	0.00	0.00	4.22	48.84	11.37	11.37	13159.87	-13148.50
1+682.057	0.00	0.00	0.00	4.05	8.50	11.37	11.37	13168.37	-13157.00
1+682.091	0.00	0.00	0.00	4.05	0.14	11.37	11.37	13168.51	-13157.14
1+682.124	0.00	0.00	0.00	4.05	0.14	11.37	11.37	13168.65	-13157.27
1+694.670	0.00	0.00	0.00	5.34	58.90	11.37	11.37	13227.54	-13216.17
1+694.739	0.00	0.00	0.00	5.33	-0.48	11.37	11.37	13227.06	-13215.69
1+694.807	0.00	0.00	0.00	5.32	-0.48	11.37	11.37	13226.58	-13215.21
1+700.000	0.00	0.00	0.00	6.03	29.46	11.37	11.37	13256.05	-13244.67
1+720.000	0.00	0.00	0.00	6.64	126.68	11.37	11.37	13382.72	-13371.35
1+740.000	0.00	0.00	0.00	6.03	126.71	11.37	11.37	13509.43	-13498.06
1+740.639	0.00	0.00	0.00	6.05	3.86	11.37	11.37	13513.29	-13501.92
1+740.778	0.00	0.00	0.00	6.03	-0.93	11.37	11.37	13512.37	-13500.99
1+740.916	0.00	0.00	0.00	6.05	-0.93	11.37	11.37	13511.44	-13500.06
1+760.000	0.00	0.00	0.00	6.44	119.19	11.37	11.37	13630.63	-13619.26
1+778.798	0.00	0.00	0.00	5.94	116.36	11.37	11.37	13746.99	-13735.62
1+778.851	0.00	0.00	0.00	5.94	-0.35	11.37	11.37	13746.64	-13735.26
1+778.904	0.00	0.00	0.00	5.94	-0.35	11.37	11.37	13746.29	-13734.91
1+780.000	0.00	0.00	0.00	5.97	6.53	11.37	11.37	13752.82	-13741.44
1+800.000	0.00	0.00	0.00	6.51	124.79	11.37	11.37	13877.61	-13866.23
1+820.000	0.00	0.00	0.00	6.14	126.48	11.37	11.37	14004.09	-13992.71
1+839.219	0.00	0.00	0.00	6.80	124.32	11.37	11.37	14128.41	-14117.03
1+839.320	0.00	0.00	0.00	6.78	-0.70	11.37	11.37	14127.71	-14116.33
1+839.422	0.00	0.00	0.00	6.78	-0.70	11.37	11.37	14127.01	-14115.64
1+840.000	0.00	0.00	0.00	6.82	3.93	11.37	11.37	14130.94	-14119.57
1+860.000	0.00	0.00	0.00	7.21	140.32	11.37	11.37	14271.26	-14259.89
1+874.404	0.00	0.00	0.00	7.59	106.61	11.37	11.37	14377.87	-14366.50
1+879.287	0.00	0.00	0.00	8.19	35.36	11.37	11.37	14413.22	-14401.85
1+880.000	0.00	0.00	0.00	8.29	5.88	11.37	11.37	14419.10	-14407.73
1+884.169	0.00	0.00	0.00	8.16	33.23	11.37	11.37	14452.33	-14440.96
1+891.209	0.00	0.00	0.00	4.82	46.56	11.37	11.37	14498.89	-14487.52
1+898.249	0.00	0.00	0.00	7.73	44.19	11.37	11.37	14543.09	-14531.71
1+900.000	0.00	0.00	0.00	8.99	15.62	11.37	11.37	14558.71	-14547.33
1+910.173	0.00	0.00	0.00	10.82	100.77	11.37	11.37	14659.48	-14648.10
1+920.000	0.00	0.00	0.00	11.45	109.43	11.37	11.37	14768.91	-14757.53
1+922.097	0.00	0.00	0.00	11.50	24.07	11.37	11.37	14792.97	-14781.60
1+940.000	0.00	0.00	0.00	12.30	213.06	11.37	11.37	15006.03	-14994.66
1+960.000	0.00	0.00	0.00	11.06	233.65	11.37	11.37	15239.68	-15228.31
1+966.048	0.00	0.00	0.00	7.59	56.41	11.37	11.37	15296.10	-15284.72
1+966.175	0.00	0.00	0.00	7.51	2.65	11.37	11.37	15298.75	-15287.37
1+966.302	0.00	0.00	0.00	7.44	2.60	11.37	11.37	15301.35	-15289.98
1+966.566	0.00	0.00	0.00	7.43	1.97	11.37	11.37	15303.32	-15291.94
1+966.599	0.00	0.00	0.00	7.43	0.24	11.37	11.37	15303.56	-15292.18
1+966.632	0.00	0.00	0.00	7.44	0.24	11.37	11.37	15303.80	-15292.43
1+980.000	0.00	0.00	0.00	0.00	49.76	11.37	11.37	15353.56	-15342.19
1+985.447	0.00	0.00	0.00	9.75	26.56	11.37	11.37	15380.12	-15368.75

MAPA DE CUBAÇÃO - TERRAPLENAGEM

Alinhamento: ALINHAMENTO EIXO CICLOVIA - 1

Grupo de linhas de amostra: SEÇÕES - ALINHAMENTO EIXO CICLOVIA - 1

Estaca inicial: 0+000.000

Estaca final: 1+985.447

Estaca	Área de corte (metros quadrados)	Volume de corte (metros cúbicos)	Volume reutilizável (metros cúbicos)	Área de aterro (metros quadrados)	Volume de aterro (metros cúbicos)	Vol. corte acumul. (metros cúbicos)	Vol. reutilizável acumul. (metros cúbicos)	Vol. aterro acumul. (metros cúbicos)	Vol. líquido acumul. (metros cúbicos)
0+000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.000	4.96	49.55	49.55	0.00	0.00	49.55	49.55	0.00	49.55
0+031.316	4.96	56.07	56.07	0.00	0.00	105.63	105.63	0.00	105.63
0+032.005	4.96	3.42	3.42	0.00	0.00	109.04	109.04	0.00	109.04
0+032.694	4.96	3.42	3.42	0.00	0.00	112.46	112.46	0.00	112.46
0+033.315	4.98	3.08	3.08	0.00	0.00	115.54	115.54	0.00	115.54
0+033.727	4.99	0.98	0.98	0.00	0.00	116.52	116.52	0.00	116.52
0+034.139	4.99	0.98	0.98	0.00	0.00	117.49	117.49	0.00	117.49

0+040.000	4.96	29.15	29.15	0.00	0.00	146.65	146.65	0.00	146.65
0+060.000	4.96	99.14	99.14	0.00	0.00	245.78	245.78	0.00	245.78
0+080.000	4.96	99.17	99.17	0.00	0.00	344.96	344.96	0.00	344.96
0+100.000	4.96	99.14	99.14	0.00	0.00	444.10	444.10	0.00	444.10
0+111.247	4.95	55.68	55.68	0.00	0.00	499.78	499.78	0.00	499.78
0+116.467	4.84	23.35	23.35	0.00	0.00	523.12	523.12	0.00	523.12
0+120.000	4.46	16.25	16.25	0.00	0.00	539.38	539.38	0.00	539.38
0+121.687	4.20	7.31	7.31	0.00	0.00	546.68	546.68	0.00	546.68
0+125.556	3.78	14.54	14.54	0.00	0.00	561.22	561.22	0.00	561.22
0+128.299	3.49	10.10	10.10	0.00	0.00	571.33	571.33	0.00	571.33
0+131.042	3.40	9.31	9.31	0.00	0.00	580.64	580.64	0.00	580.64
0+135.415	3.48	14.64	14.64	0.00	0.00	595.28	595.28	0.00	595.28
0+135.627	3.49	0.61	0.61	0.00	0.00	595.89	595.89	0.00	595.89
0+135.839	3.48	0.61	0.61	0.00	0.00	596.49	596.49	0.00	596.49
0+140.000	3.48	14.47	14.47	0.00	0.00	610.97	610.97	0.00	610.97
0+157.474	3.48	60.81	60.81	0.00	0.00	671.78	671.78	0.00	671.78
0+157.480	3.48	0.02	0.02	0.00	0.00	671.80	671.80	0.00	671.80
0+157.486	3.48	0.02	0.02	0.00	0.00	671.82	671.82	0.00	671.82
0+160.000	3.48	8.76	8.76	0.00	0.00	680.58	680.58	0.00	680.58
0+180.000	3.48	69.63	69.63	0.00	0.00	750.21	750.21	0.00	750.21
0+200.000	3.48	69.60	69.60	0.00	0.00	819.81	819.81	0.00	819.81
0+220.000	3.48	69.56	69.56	0.00	0.00	889.37	889.37	0.00	889.37
0+240.000	3.47	69.49	69.49	0.00	0.00	958.86	958.86	0.00	958.86
0+244.561	3.47	15.83	15.83	0.00	0.00	974.69	974.69	0.00	974.69
0+244.587	3.47	0.09	0.09	0.00	0.00	974.78	974.78	0.00	974.78
0+244.614	3.47	0.09	0.09	0.00	0.00	974.87	974.87	0.00	974.87
0+260.000	3.47	53.39	53.39	0.00	0.00	1028.27	1028.27	0.00	1028.27
0+273.606	3.51	47.49	47.49	0.00	0.00	1075.75	1075.75	0.00	1075.75
0+273.653	3.51	0.17	0.17	0.00	0.00	1075.92	1075.92	0.00	1075.92
0+273.700	3.51	0.17	0.17	0.00	0.00	1076.08	1076.08	0.00	1076.08
0+280.000	3.50	22.07	22.07	0.00	0.00	1098.16	1098.16	0.00	1098.16
0+300.000	3.48	69.74	69.74	0.00	0.00	1167.90	1167.90	0.00	1167.90
0+300.392	3.48	1.36	1.36	0.00	0.00	1169.26	1169.26	0.00	1169.26
0+300.566	3.48	0.49	0.49	0.00	0.00	1169.75	1169.75	0.00	1169.75
0+300.739	3.47	0.49	0.49	0.00	0.00	1170.25	1170.25	0.00	1170.25
0+320.000	3.47	66.93	66.93	0.00	0.00	1237.18	1237.18	0.00	1237.18
0+338.502	3.48	64.32	64.32	0.00	0.00	1301.49	1301.49	0.00	1301.49

0+338.615	3.48	0.32	0.32	0.00	0.00	1301.81	1301.81	0.00	1301.81
0+338.728	3.48	0.32	0.32	0.00	0.00	1302.14	1302.14	0.00	1302.14
0+340.000	3.48	4.42	4.42	0.00	0.00	1306.56	1306.56	0.00	1306.56
0+360.000	3.48	69.54	69.54	0.00	0.00	1376.10	1376.10	0.00	1376.10
0+361.430	3.48	4.97	4.97	0.00	0.00	1381.07	1381.07	0.00	1381.07
0+361.500	3.48	0.25	0.25	0.00	0.00	1381.32	1381.32	0.00	1381.32
0+361.571	3.48	0.25	0.25	0.00	0.00	1381.57	1381.57	0.00	1381.57
0+380.000	3.48	64.04	64.04	0.00	0.00	1445.61	1445.61	0.00	1445.61
0+400.000	3.48	69.54	69.54	0.00	0.00	1515.15	1515.15	0.00	1515.15
0+420.000	3.48	69.54	69.54	0.00	0.00	1584.69	1584.69	0.00	1584.69
0+421.149	3.48	3.99	3.99	0.00	0.00	1588.69	1588.69	0.00	1588.69
0+421.191	3.48	0.15	0.15	0.00	0.00	1588.84	1588.84	0.00	1588.84
0+421.234	3.48	0.15	0.15	0.00	0.00	1588.98	1588.98	0.00	1588.98
0+440.000	3.48	65.25	65.25	0.00	0.00	1654.24	1654.24	0.00	1654.24
0+446.685	3.48	23.25	23.25	0.00	0.00	1677.48	1677.48	0.00	1677.48
0+447.661	3.57	4.11	4.11	0.00	0.00	1681.59	1681.59	0.00	1681.59
0+448.637	3.96	4.60	4.60	0.00	0.00	1686.20	1686.20	0.00	1686.20
0+460.000	6.73	60.70	60.70	0.00	0.00	1746.90	1746.90	0.00	1746.90
0+462.873	7.43	20.33	20.33	0.00	0.00	1767.23	1767.23	0.00	1767.23
0+463.851	7.21	-0.38	-0.38	0.00	0.00	1766.86	1766.86	0.00	1766.86
0+464.830	7.03	-0.04	-0.04	0.00	0.00	1766.82	1766.82	0.00	1766.82
0+480.000	7.02	106.58	106.58	0.00	0.00	1873.39	1873.39	0.00	1873.39
0+500.000	7.01	140.33	140.33	0.00	0.00	2013.72	2013.72	0.00	2013.72
0+516.359	7.00	114.64	114.64	0.00	0.00	2128.37	2128.37	0.00	2128.37
0+517.423	7.22	15.38	15.38	0.00	0.00	2143.74	2143.74	0.00	2143.74
0+518.488	8.06	17.56	17.56	0.00	0.00	2161.30	2161.30	0.00	2161.30
0+520.000	8.47	12.50	12.50	0.00	0.00	2173.81	2173.81	0.00	2173.81
0+527.188	10.40	67.84	67.84	0.00	0.00	2241.64	2241.64	0.00	2241.64
0+528.628	9.86	-9.95	-9.95	0.00	0.00	2231.70	2231.70	0.00	2231.70
0+530.068	9.67	-8.36	-8.36	0.00	0.00	2223.34	2223.34	0.00	2223.34
0+540.000	8.78	91.66	91.66	0.00	0.00	2315.00	2315.00	0.00	2315.00
0+558.241	7.17	145.49	145.49	0.00	0.00	2460.49	2460.49	0.00	2460.49
0+558.400	7.20	-0.05	-0.05	0.00	0.00	2460.44	2460.44	0.00	2460.44
0+558.560	7.24	-0.06	-0.06	0.00	0.00	2460.38	2460.38	0.00	2460.38
0+560.000	7.05	10.29	10.29	0.00	0.00	2470.67	2470.67	0.00	2470.67
0+580.000	6.48	135.29	135.29	0.00	0.00	2605.96	2605.96	0.00	2605.96
0+598.160	6.48	117.61	117.61	0.00	0.00	2723.57	2723.57	0.00	2723.57

0+598.302	6.48	0.11	0.11	0.00	0.00	2723.69	2723.69	0.00	2723.69
0+598.445	6.48	0.11	0.11	0.00	0.00	2723.80	2723.80	0.00	2723.80
0+600.000	6.47	10.07	10.07	0.00	0.00	2733.87	2733.87	0.00	2733.87
0+620.000	6.47	129.40	129.40	0.00	0.00	2863.27	2863.27	0.00	2863.27
0+631.674	6.47	75.53	75.53	0.00	0.00	2938.80	2938.80	0.00	2938.80
0+631.762	6.47	1.06	1.06	0.00	0.00	2939.87	2939.87	0.00	2939.87
0+631.849	6.48	1.07	1.07	0.00	0.00	2940.93	2940.93	0.00	2940.93
0+640.000	6.53	53.01	53.01	0.00	0.00	2993.94	2993.94	0.00	2993.94
0+656.344	6.61	107.36	107.36	0.00	0.00	3101.30	3101.30	0.00	3101.30
0+656.430	6.61	0.04	0.04	0.00	0.00	3101.34	3101.34	0.00	3101.34
0+656.515	6.61	0.04	0.04	0.00	0.00	3101.38	3101.38	0.00	3101.38
0+660.000	6.60	23.02	23.02	0.00	0.00	3124.40	3124.40	0.00	3124.40
0+668.622	6.50	56.46	56.46	0.00	0.00	3180.86	3180.86	0.00	3180.86
0+668.672	6.50	0.33	0.33	0.00	0.00	3181.19	3181.19	0.00	3181.19
0+668.723	6.49	0.33	0.33	0.00	0.00	3181.52	3181.52	0.00	3181.52
0+680.000	6.49	73.23	73.23	0.00	0.00	3254.75	3254.75	0.00	3254.75
0+700.000	6.49	129.83	129.83	0.00	0.00	3384.59	3384.59	0.00	3384.59
0+720.000	6.49	129.77	129.77	0.00	0.00	3514.36	3514.36	0.00	3514.36
0+733.336	6.49	86.53	86.53	0.00	0.00	3600.88	3600.88	0.00	3600.88
0+733.483	6.49	0.12	0.12	0.00	0.00	3601.00	3601.00	0.00	3601.00
0+733.630	6.48	0.12	0.12	0.00	0.00	3601.12	3601.12	0.00	3601.12
0+740.000	6.48	41.30	41.30	0.00	0.00	3642.42	3642.42	0.00	3642.42
0+760.000	6.48	129.61	129.61	0.00	0.00	3772.03	3772.03	0.00	3772.03
0+769.334	6.49	60.50	60.50	0.00	0.00	3832.53	3832.53	0.00	3832.53
0+769.512	6.48	0.14	0.14	0.00	0.00	3832.67	3832.67	0.00	3832.67
0+769.689	6.49	0.14	0.14	0.00	0.00	3832.81	3832.81	0.00	3832.81
0+780.000	6.45	66.72	66.72	0.00	0.00	3899.52	3899.52	0.00	3899.52
0+799.669	6.40	126.44	126.44	0.00	0.00	4025.97	4025.97	0.00	4025.97
0+799.695	6.40	0.17	0.17	0.00	0.00	4026.13	4026.13	0.00	4026.13
0+799.721	6.40	0.17	0.17	0.00	0.00	4026.30	4026.30	0.00	4026.30
0+800.000	6.41	1.79	1.79	0.00	0.00	4028.09	4028.09	0.00	4028.09
0+820.000	6.48	128.83	128.83	0.00	0.00	4156.92	4156.92	0.00	4156.92
0+840.000	6.48	129.55	129.55	0.00	0.00	4286.47	4286.47	0.00	4286.47
0+859.120	6.31	122.28	122.28	0.00	0.00	4408.75	4408.75	0.00	4408.75
0+859.187	6.31	0.42	0.42	0.00	0.00	4409.17	4409.17	0.00	4409.17
0+859.254	6.31	0.42	0.42	0.00	0.00	4409.60	4409.60	0.00	4409.60
0+860.000	6.32	4.71	4.71	0.00	0.00	4414.31	4414.31	0.00	4414.31

0+880.000	6.46	127.76	127.76	0.00	0.00	4542.07	4542.07	0.00	4542.07
0+883.588	6.48	23.21	23.21	0.00	0.00	4565.28	4565.28	0.00	4565.28
0+883.651	6.48	0.41	0.41	0.00	0.00	4565.69	4565.69	0.00	4565.69
0+883.714	6.48	0.41	0.41	0.00	0.00	4566.10	4566.10	0.00	4566.10
0+900.000	6.48	105.54	105.54	0.00	0.00	4671.64	4671.64	0.00	4671.64
0+920.000	6.47	129.48	129.48	0.00	0.00	4801.12	4801.12	0.00	4801.12
0+938.345	6.46	118.65	118.65	0.00	0.00	4919.77	4919.77	0.00	4919.77
0+938.464	6.47	1.45	1.45	0.00	0.00	4921.21	4921.21	0.00	4921.21
0+938.584	6.48	1.45	1.45	0.00	0.00	4922.66	4922.66	0.00	4922.66
0+940.000	6.50	9.19	9.19	0.00	0.00	4931.85	4931.85	0.00	4931.85
0+960.000	6.48	129.76	129.76	0.00	0.00	5061.61	5061.61	0.00	5061.61
0+980.000	6.49	129.68	129.68	0.00	0.00	5191.29	5191.29	0.00	5191.29
1+000.000	6.50	129.85	129.85	0.00	0.00	5321.14	5321.14	0.00	5321.14
1+008.802	6.50	57.22	57.22	0.00	0.00	5378.36	5378.36	0.00	5378.36
1+010.492	7.04	1.55	1.55	0.00	0.00	5379.91	5379.91	0.00	5379.91
1+012.182	7.89	0.03	0.03	0.00	0.00	5379.94	5379.94	0.00	5379.94
1+017.864	5.34	37.57	37.57	0.00	0.00	5417.51	5417.51	0.00	5417.51
1+018.832	4.25	6.88	6.88	0.00	0.00	5424.38	5424.38	0.00	5424.38
1+019.800	4.08	4.57	4.57	0.00	0.00	5428.96	5428.96	0.00	5428.96
1+020.000	3.99	0.81	0.81	0.00	0.00	5429.76	5429.76	0.00	5429.76
1+021.295	3.45	4.82	4.82	0.00	0.00	5434.58	5434.58	0.00	5434.58
1+021.332	3.45	0.13	0.13	0.00	0.00	5434.71	5434.71	0.00	5434.71
1+021.368	3.45	0.13	0.13	0.00	0.00	5434.83	5434.83	0.00	5434.83
1+040.000	3.47	64.52	64.52	0.00	0.00	5499.35	5499.35	0.00	5499.35
1+060.000	3.50	69.80	69.80	0.00	0.00	5569.15	5569.15	0.00	5569.15
1+080.000	3.51	70.10	70.10	0.00	0.00	5639.25	5639.25	0.00	5639.25
1+090.011	3.51	35.12	35.12	0.00	0.00	5674.37	5674.37	0.00	5674.37
1+090.182	3.49	0.41	0.41	0.00	0.00	5674.78	5674.78	0.00	5674.78
1+090.352	3.49	0.41	0.41	0.00	0.00	5675.19	5675.19	0.00	5675.19
1+100.000	3.48	33.60	33.60	0.00	0.00	5708.79	5708.79	0.00	5708.79
1+120.000	3.48	69.56	69.56	0.00	0.00	5778.35	5778.35	0.00	5778.35
1+140.000	3.48	69.56	69.56	0.00	0.00	5847.91	5847.91	0.00	5847.91
1+160.000	3.48	69.60	69.60	0.00	0.00	5917.51	5917.51	0.00	5917.51
1+166.310	3.48	21.98	21.98	0.00	0.00	5939.49	5939.49	0.00	5939.49
1+166.344	3.48	0.12	0.12	0.00	0.00	5939.61	5939.61	0.00	5939.61
1+166.377	3.48	0.12	0.12	0.00	0.00	5939.72	5939.72	0.00	5939.72
1+180.000	3.48	47.42	47.42	0.00	0.00	5987.14	5987.14	0.00	5987.14

1+196.992	3.47	59.06	59.06	0.00	0.00	6046.20	6046.20	0.00	6046.20
1+197.111	3.48	0.54	0.54	0.00	0.00	6046.74	6046.74	0.00	6046.74
1+197.229	3.47	0.54	0.54	0.00	0.00	6047.28	6047.28	0.00	6047.28
1+200.000	3.47	9.62	9.62	0.00	0.00	6056.91	6056.91	0.00	6056.91
1+220.000	3.47	69.43	69.43	0.00	0.00	6126.34	6126.34	0.00	6126.34
1+225.940	3.48	20.64	20.64	0.00	0.00	6146.98	6146.98	0.00	6146.98
1+226.004	3.48	0.29	0.29	0.00	0.00	6147.27	6147.27	0.00	6147.27
1+226.068	3.48	0.29	0.29	0.00	0.00	6147.57	6147.57	0.00	6147.57
1+240.000	3.48	48.47	48.47	0.00	0.00	6196.04	6196.04	0.00	6196.04
1+260.000	3.48	69.60	69.60	0.00	0.00	6265.64	6265.64	0.00	6265.64
1+261.114	3.48	3.88	3.88	0.00	0.00	6269.52	6269.52	0.00	6269.52
1+261.149	3.48	0.12	0.12	0.00	0.00	6269.64	6269.64	0.00	6269.64
1+261.183	3.48	0.12	0.12	0.00	0.00	6269.76	6269.76	0.00	6269.76
1+276.483	3.48	53.23	53.23	0.00	0.00	6322.98	6322.98	0.00	6322.98
1+276.577	3.48	0.43	0.43	0.00	0.00	6323.42	6323.42	0.00	6323.42
1+276.672	3.48	0.43	0.43	0.00	0.00	6323.85	6323.85	0.00	6323.85
1+280.000	3.48	11.58	11.58	0.00	0.00	6335.43	6335.43	0.00	6335.43
1+297.053	3.48	59.30	59.30	0.00	0.00	6394.74	6394.74	0.00	6394.74
1+297.102	3.48	0.22	0.22	0.00	0.00	6394.96	6394.96	0.00	6394.96
1+297.151	3.48	0.22	0.22	0.00	0.00	6395.19	6395.19	0.00	6395.19
1+300.000	3.48	9.90	9.90	0.00	0.00	6405.09	6405.09	0.00	6405.09
1+317.183	3.49	59.82	59.82	0.00	0.00	6464.92	6464.92	0.00	6464.92
1+317.371	3.49	0.45	0.45	0.00	0.00	6465.37	6465.37	0.00	6465.37
1+317.559	3.49	0.45	0.45	0.00	0.00	6465.82	6465.82	0.00	6465.82
1+320.000	3.48	8.50	8.50	0.00	0.00	6474.31	6474.31	0.00	6474.31
1+340.000	3.48	69.53	69.53	0.00	0.00	6543.84	6543.84	0.00	6543.84
1+360.000	3.45	69.25	69.25	0.00	0.00	6613.10	6613.10	0.00	6613.10
1+362.176	3.46	7.52	7.52	0.00	0.00	6620.61	6620.61	0.00	6620.61
1+362.198	3.46	0.08	0.08	0.00	0.00	6620.69	6620.69	0.00	6620.69
1+362.220	3.46	0.08	0.08	0.00	0.00	6620.77	6620.77	0.00	6620.77
1+366.183	3.48	13.76	13.76	0.00	0.00	6634.53	6634.53	0.00	6634.53
1+366.314	3.49	0.60	0.60	0.00	0.00	6635.13	6635.13	0.00	6635.13
1+366.445	3.48	0.60	0.60	0.00	0.00	6635.73	6635.73	0.00	6635.73
1+376.920	3.48	36.47	36.47	0.00	0.00	6672.20	6672.20	0.00	6672.20
1+377.009	3.48	0.21	0.21	0.00	0.00	6672.41	6672.41	0.00	6672.41
1+377.098	3.49	0.21	0.21	0.00	0.00	6672.62	6672.62	0.00	6672.62
1+378.215	3.53	3.92	3.92	0.00	0.00	6676.54	6676.54	0.00	6676.54

1+378.303	3.53	0.40	0.40	0.00	0.00	6676.95	6676.95	0.00	6676.95
1+378.392	3.52	0.40	0.40	0.00	0.00	6677.35	6677.35	0.00	6677.35
1+380.000	3.52	5.67	5.67	0.00	0.00	6683.02	6683.02	0.00	6683.02
1+400.000	3.86	73.85	73.85	0.00	0.00	6756.87	6756.87	0.00	6756.87
1+411.990	4.50	50.13	50.13	0.00	0.00	6807.00	6807.00	0.00	6807.00
1+412.000	4.50	0.04	0.04	0.00	0.00	6807.05	6807.05	0.00	6807.05
1+412.009	4.51	0.04	0.04	0.00	0.00	6807.09	6807.09	0.00	6807.09
1+420.000	4.93	37.70	37.70	0.00	0.00	6844.79	6844.79	0.00	6844.79
1+440.000	6.08	110.09	110.09	0.00	0.00	6954.88	6954.88	0.00	6954.88
1+447.330	6.50	46.08	46.08	0.00	0.00	7000.96	7000.96	0.00	7000.96
1+447.472	6.48	-0.50	-0.50	0.00	0.00	7000.47	7000.47	0.00	7000.47
1+447.613	6.47	-0.49	-0.49	0.00	0.00	6999.97	6999.97	0.00	6999.97
1+460.000	6.58	80.86	80.86	0.00	0.00	7080.83	7080.83	0.00	7080.83
1+472.257	6.69	81.33	81.33	0.00	0.00	7162.16	7162.16	0.00	7162.16
1+472.322	6.69	1.07	1.07	0.00	0.00	7163.23	7163.23	0.00	7163.23
1+472.387	6.69	1.07	1.07	0.00	0.00	7164.29	7164.29	0.00	7164.29
1+480.000	6.55	50.41	50.41	0.00	0.00	7214.70	7214.70	0.00	7214.70
1+500.000	6.48	130.36	130.36	0.00	0.00	7345.06	7345.06	0.00	7345.06
1+508.574	6.47	55.54	55.54	0.00	0.00	7400.60	7400.60	0.00	7400.60
1+508.585	6.47	0.07	0.07	0.00	0.00	7400.66	7400.66	0.00	7400.66
1+508.595	6.47	0.07	0.07	0.00	0.00	7400.73	7400.73	0.00	7400.73
1+520.000	6.46	73.74	73.74	0.00	0.00	7474.48	7474.48	0.00	7474.48
1+539.242	6.47	124.43	124.43	0.00	0.00	7598.91	7598.91	0.00	7598.91
1+539.251	6.47	0.06	0.06	0.00	0.00	7598.97	7598.97	0.00	7598.97
1+539.260	6.47	0.06	0.06	0.00	0.00	7599.02	7599.02	0.00	7599.02
1+540.000	6.48	4.79	4.79	0.00	0.00	7603.81	7603.81	0.00	7603.81
1+546.101	6.47	39.48	39.48	0.00	0.00	7643.30	7643.30	0.00	7643.30
1+546.103	6.47	0.00	0.00	0.00	0.00	7643.31	7643.31	0.00	7643.31
1+546.104	6.47	0.00	0.00	0.00	0.00	7643.32	7643.32	0.00	7643.32
1+559.236	6.45	84.79	84.79	0.00	0.00	7728.11	7728.11	0.00	7728.11
1+559.259	6.45	0.15	0.15	0.00	0.00	7728.25	7728.25	0.00	7728.25
1+559.282	6.45	0.15	0.15	0.00	0.00	7728.40	7728.40	0.00	7728.40
1+560.000	6.45	4.63	4.63	0.00	0.00	7733.03	7733.03	0.00	7733.03
1+580.000	6.48	129.30	129.30	0.00	0.00	7862.34	7862.34	0.00	7862.34
1+585.122	6.48	33.17	33.17	0.00	0.00	7895.51	7895.51	0.00	7895.51
1+585.178	6.48	0.92	0.92	0.00	0.00	7896.43	7896.43	0.00	7896.43
1+585.234	6.48	0.92	0.92	0.00	0.00	7897.35	7897.35	0.00	7897.35

1+600.000	6.44	95.38	95.38	0.00	0.00	7992.72	7992.72	0.00	7992.72
1+612.524	6.41	80.51	80.51	0.00	0.00	8073.23	8073.23	0.00	8073.23
1+612.572	6.41	-0.17	-0.17	0.00	0.00	8073.06	8073.06	0.00	8073.06
1+612.619	6.42	-0.17	-0.17	0.00	0.00	8072.89	8072.89	0.00	8072.89
1+616.245	6.41	23.26	23.26	0.00	0.00	8096.15	8096.15	0.00	8096.15
1+616.300	6.41	0.87	0.87	0.00	0.00	8097.02	8097.02	0.00	8097.02
1+616.354	6.41	0.87	0.87	0.00	0.00	8097.89	8097.89	0.00	8097.89
1+620.000	6.42	23.38	23.38	0.00	0.00	8121.27	8121.27	0.00	8121.27
1+639.511	6.48	125.82	125.82	0.00	0.00	8247.10	8247.10	0.00	8247.10
1+639.563	6.48	0.85	0.85	0.00	0.00	8247.95	8247.95	0.00	8247.95
1+639.614	6.48	0.85	0.85	0.00	0.00	8248.80	8248.80	0.00	8248.80
1+640.000	6.48	2.50	2.50	0.00	0.00	8251.30	8251.30	0.00	8251.30
1+641.213	6.47	7.86	7.86	0.00	0.00	8259.15	8259.15	0.00	8259.15
1+641.275	6.47	1.02	1.02	0.00	0.00	8260.17	8260.17	0.00	8260.17
1+641.337	6.48	1.02	1.02	0.00	0.00	8261.19	8261.19	0.00	8261.19
1+652.489	6.50	72.38	72.38	0.00	0.00	8333.56	8333.56	0.00	8333.56
1+652.502	6.50	0.09	0.09	0.00	0.00	8333.65	8333.65	0.00	8333.65
1+652.515	6.50	0.09	0.09	0.00	0.00	8333.74	8333.74	0.00	8333.74
1+660.000	6.48	48.60	48.60	0.00	0.00	8382.34	8382.34	0.00	8382.34
1+669.687	6.49	62.82	62.82	0.00	0.00	8445.16	8445.16	0.00	8445.16
1+669.690	6.49	0.02	0.02	0.00	0.00	8445.19	8445.19	0.00	8445.19
1+669.694	6.49	0.02	0.02	0.00	0.00	8445.21	8445.21	0.00	8445.21
1+680.000	6.53	67.09	67.09	0.00	0.00	8512.30	8512.30	0.00	8512.30
1+682.057	6.55	13.45	13.45	0.00	0.00	8525.76	8525.76	0.00	8525.76
1+682.091	6.55	0.22	0.22	0.00	0.00	8525.98	8525.98	0.00	8525.98
1+682.124	6.55	0.22	0.22	0.00	0.00	8526.20	8526.20	0.00	8526.20
1+694.670	6.49	81.77	81.77	0.00	0.00	8607.97	8607.97	0.00	8607.97
1+694.739	6.48	-0.24	-0.24	0.00	0.00	8607.73	8607.73	0.00	8607.73
1+694.807	6.49	-0.24	-0.24	0.00	0.00	8607.49	8607.49	0.00	8607.49
1+700.000	6.48	33.67	33.67	0.00	0.00	8641.16	8641.16	0.00	8641.16
1+720.000	6.48	129.61	129.61	0.00	0.00	8770.76	8770.76	0.00	8770.76
1+740.000	6.48	129.61	129.61	0.00	0.00	8900.37	8900.37	0.00	8900.37
1+740.639	6.51	4.15	4.15	0.00	0.00	8904.52	8904.52	0.00	8904.52
1+740.778	6.49	-0.49	-0.49	0.00	0.00	8904.03	8904.03	0.00	8904.03
1+740.916	6.51	-0.49	-0.49	0.00	0.00	8903.55	8903.55	0.00	8903.55
1+760.000	6.48	123.90	123.90	0.00	0.00	9027.44	9027.44	0.00	9027.44
1+778.798	6.48	121.80	121.80	0.00	0.00	9149.24	9149.24	0.00	9149.24

1+778.851	6.48	-0.18	-0.18	0.00	0.00	9149.06	9149.06	0.00	9149.06
1+778.904	6.48	-0.18	-0.18	0.00	0.00	9148.88	9148.88	0.00	9148.88
1+780.000	6.48	7.10	7.10	0.00	0.00	9155.98	9155.98	0.00	9155.98
1+800.000	6.48	129.53	129.53	0.00	0.00	9285.52	9285.52	0.00	9285.52
1+820.000	6.48	129.54	129.54	0.00	0.00	9415.06	9415.06	0.00	9415.06
1+839.219	6.50	124.65	124.65	0.00	0.00	9539.71	9539.71	0.00	9539.71
1+839.320	6.49	-0.35	-0.35	0.00	0.00	9539.36	9539.36	0.00	9539.36
1+839.422	6.50	-0.35	-0.35	0.00	0.00	9539.01	9539.01	0.00	9539.01
1+840.000	6.48	3.75	3.75	0.00	0.00	9542.76	9542.76	0.00	9542.76
1+860.000	6.48	129.61	129.61	0.00	0.00	9672.37	9672.37	0.00	9672.37
1+874.404	6.50	93.50	93.50	0.00	0.00	9765.87	9765.87	0.00	9765.87
1+879.287	6.48	29.46	29.46	0.00	0.00	9795.33	9795.33	0.00	9795.33
1+880.000	6.48	4.63	4.63	0.00	0.00	9799.96	9799.96	0.00	9799.96
1+884.169	6.49	26.32	26.32	0.00	0.00	9826.27	9826.27	0.00	9826.27
1+891.209	6.48	46.47	46.47	0.00	0.00	9872.74	9872.74	0.00	9872.74
1+898.249	6.52	45.78	45.78	0.00	0.00	9918.52	9918.52	0.00	9918.52
1+900.000	6.50	12.07	12.07	0.00	0.00	9930.59	9930.59	0.00	9930.59
1+910.173	6.47	65.97	65.97	0.00	0.00	9996.56	9996.56	0.00	9996.56
1+920.000	6.46	63.56	63.56	0.00	0.00	10060.12	10060.12	0.00	10060.12
1+922.097	6.46	13.55	13.55	0.00	0.00	10073.67	10073.67	0.00	10073.67
1+940.000	8.72	135.92	135.92	0.00	0.00	10209.60	10209.60	0.00	10209.60
1+960.000	8.79	175.11	175.11	0.00	0.00	10384.71	10384.71	0.00	10384.71
1+966.048	8.38	51.92	51.92	0.00	0.00	10436.63	10436.63	0.00	10436.63
1+966.175	8.33	3.50	3.50	0.00	0.00	10440.12	10440.12	0.00	10440.12
1+966.302	8.31	3.47	3.47	0.00	0.00	10443.59	10443.59	0.00	10443.59
1+966.566	8.30	2.20	2.20	0.00	0.00	10445.79	10445.79	0.00	10445.79
1+966.599	8.30	0.27	0.27	0.00	0.00	10446.06	10446.06	0.00	10446.06
1+966.632	8.31	0.27	0.27	0.00	0.00	10446.33	10446.33	0.00	10446.33
1+980.000	7.81	107.75	107.75	0.00	0.00	10554.08	10554.08	0.00	10554.08
1+985.447	7.48	41.66	41.66	0.00	0.00	10595.73	10595.73	0.00	10595.73

				TABELA DE VOLUMES		
Seção			distancias média	Area embasamento	Volume de embasamento	Volume de embasamento acumulado
0	+	0	-	-	-	-
1	+	0	10,000	0,256	2,560	2,56
2	+	0	10,000	0,197	4,530	7,09
3	+	0	10,000	0,208	4,050	11,14
4	+	0	10,000	0,279	4,870	16,01
5	+	0	10,000	0,319	5,980	21,99
6	+	0	10,000	0,449	7,680	29,67
7	+	0	10,000	0,470	9,190	38,86
8	+	0	10,000	0,392	8,620	47,48
9	+	0	10,000	0,332	7,240	54,72
10	+	0	10,000	0,393	7,250	61,97
11	+	0	10,000	0,190	5,830	67,80
12	+	0	10,000	0,316	5,060	72,86
13	+	0	10,000	0,363	6,790	79,65
14	+	0	10,000	0,291	6,540	86,19
15	+	0	10,000	0,407	6,980	93,17
16	+	0	10,000	0,567	9,740	102,91
17	+	0	10,000	0,553	11,200	114,11
18	+	0	10,000	0,532	10,850	124,96
19	+	0	10,000	0,521	10,530	135,49
20	+	0	10,000	0,514	10,350	145,84
21	+	0	10,000	0,493	10,070	155,91
22	+	0	10,000	0,435	9,280	165,19
23	+	0	10,000	0,499	9,340	174,53
24	+	0	10,000	0,499	9,980	184,51
25	+	0	10,000	0,495	9,940	194,45
26	+	0	10,000	0,524	10,190	204,64
27	+	0	10,000	0,531	10,550	215,19
28	+	0	10,000	0,514	10,450	225,64
29	+	0	10,000	0,506	10,200	235,84
30	+	0	10,000	0,505	10,110	245,95
31	+	0	10,000	0,505	10,100	256,05
32	+	0	10,000	0,490	9,950	266,00
33	+	0	10,000	0,494	9,840	275,84
34	+	0	10,000	0,485	9,790	285,63
35	+	0	10,000	0,477	9,620	295,25
36	+	0	10,000	0,452	9,290	304,54
37	+	0	10,000	0,476	9,280	313,82
38	+	0	10,000	0,477	9,530	323,35
39	+	0	10,000	0,547	10,240	333,59
40	+	0	10,000	0,471	10,180	343,77
41	+	0	10,000	0,470	9,410	353,18
42	+	0	10,000	0,459	9,290	362,47
43	+	0	10,000	0,430	8,890	371,36
44	+	0	10,000	0,427	8,570	379,93
45	+	0	10,000	0,449	8,760	388,69
46	+	0	10,000	0,445	8,940	397,63

47	+	0	10,000	0,471	9,160	406,79
48	+	0	10,000	0,431	9,020	415,81
49	+	0	10,000	0,429	8,600	424,41
50	+	0	10,000	0,421	8,500	432,91
51	+	0	10,000	0,367	7,880	440,79
52	+	0	10,000	0,393	7,600	448,39
53	+	0	10,000	0,368	7,610	456,00
54	+	0	10,000	0,406	7,740	463,74
55	+	0	10,000	0,374	7,800	471,54
56	+	0	10,000	0,374	7,480	479,02
57	+	0	10,000	0,372	7,460	486,48
58	+	0	10,000	0,363	7,350	493,83
59	+	0	10,000	0,338	7,010	500,84
60	+	0	10,000	0,323	6,610	507,45
61	+	0	10,000	0,346	6,690	514,14
62	+	0	10,000	0,332	6,780	520,92
63	+	0	10,000	0,327	6,590	527,51
64	+	0	10,000	0,340	6,670	534,18
65	+	0	10,000	0,345	6,850	541,03
66	+	0	10,000	0,359	7,040	548,07
67	+	0	10,000	0,337	6,960	555,03
68	+	0	10,000	0,347	6,840	561,87
69	+	0	10,000	0,329	6,760	568,63
70	+	0	10,000	0,336	6,650	575,28
71	+	0	10,000	0,356	6,920	582,20
72	+	0	10,000	0,349	7,050	589,25
73	+	0	10,000	0,323	6,720	595,97
74	+	0	10,000	0,347	6,700	602,67
75	+	0	10,000	0,365	7,120	609,79
76	+	0	10,000	0,403	7,680	617,47
77	+	0	10,000	0,391	7,940	625,41
78	+	0	10,000	0,404	7,950	633,36
79	+	0	10,000	0,477	8,810	642,17
80	+	0	10,000	0,493	9,700	651,87
81	+	0	10,000	0,384	8,770	660,64
82	+	0	10,000	0,265	6,490	667,13
83	+	0	10,000	0,258	5,230	672,36
84	+	0	10,000	0,302	5,600	677,96
85	+	0	10,000	0,369	6,710	684,67
86	+	0	10,000	0,358	7,270	691,94
87	+	0	10,000	0,339	6,970	698,91
88	+	0	10,000	0,341	6,800	705,71
89	+	0	10,000	0,342	6,830	712,54
90	+	0	10,000	0,419	7,610	720,15
91	+	0	10,000	0,360	7,790	727,94
92	+	0	10,000	0,353	7,130	735,07
93	+	0	10,000	0,359	7,120	742,19
94	+	0	10,000	0,353	7,120	749,31
95	+	0	10,000	0,374	7,270	756,58
96	+	0	10,000	0,429	8,030	764,61

97	+	0	10,000	0,462	8,910	773,52
98	+	0	10,000	0,396	8,580	782,10
99	+	0	10,000	0,360	7,560	789,66