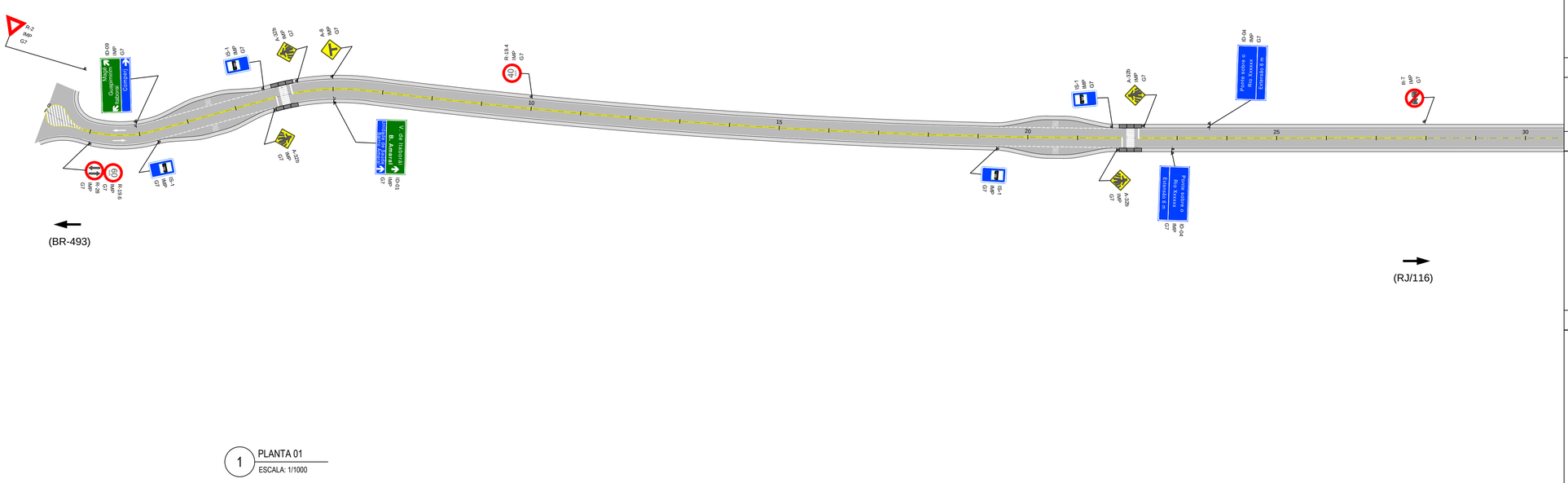
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



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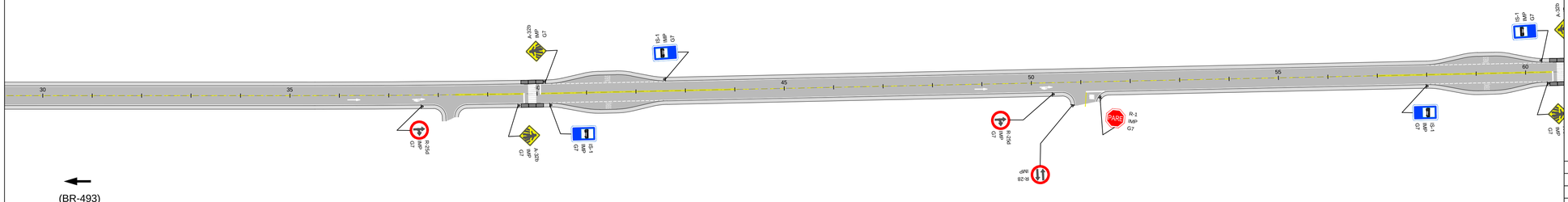
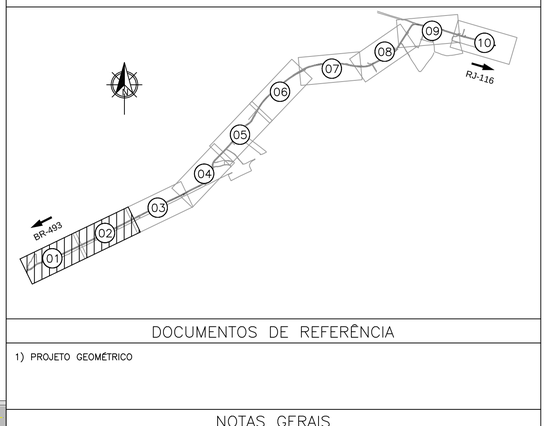
ESCALA: 1/1000



1 PLANTA 02
ESCALA: 1/1000

PLANTA CHAVE



DOCUMENTOS DE REFERÊNCIA

1) PROJETO GEOMÉTRICO

NOTAS GERAIS

1) DIMENSÕES E COTAS EM METROS, SALVO INDICAÇÃO EM CONTRÁRIO;
2) A SINALIZAÇÃO HORIZONTAL A SER IMPLANTADA DEVERÁ ATENDER AS NORMAS DE SINALIZAÇÃO DA PREFEITURA E MANUAL DO DENATRAN;
3) A SINALIZAÇÃO HORIZONTAL SERÁ IMPLANTADA COM OS SEGUINTES MATERIAIS:
   - PINTURA TERMOPLÁSTICAS POR ASPERSÃO PARA MARCAÇÕES LONGITUDINAIS
   - PINTURA LAMINADAS ELASTOPLÁSTICOS PARA OS SÍMBOLOS
   - PINTURA POR EXTRUSÃO PARA ZEBRADOS, SETAS, LEGENDAS, MAC, APROXIMAÇÃO, RETENÇÃO E FAIXAS DE PEDESTRES.
4) VER DETALHES DAS RAMPAS NO DESENHO: DE-NGA-PMI.EPE-GEP-011.

LEGENDA

- PAVIMENTO PROJETADO
- EIXO PROJETADO
- BORDO PROJETADO
- BORDO EXISTENTE
- LFO-01 — LINHA SIMPLES CONTÍNUA - L=0,10m
- LFO-03 — LINHA DUPLA CONTÍNUA - L=0,10m
- LFO-02 — LINHA SIMPLES SECCIONADA - L=0,10m
- LCO 1x1 — LINHA DE CONTINUIDADE 1 X 0,10m
- LBO — LINHA DE BORDO - L=0,10m
- FAIXA DE PEDESTRE E RETENÇÃO

Revisão	Data	Descrição	Aprovação
02	05/06/2024	Inclusão das Rampas de Pedestres	
01	20/05/2024	Inclusão das baias de ônibus	
00	10/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE SINALIZAÇÃO - PLANTA - PARTE 1 DE 5

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

FRANCHA: **01/05**

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Matrícula nº 46736

Assinatura:

Gerente de Núcleo: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 2002101043

Assinatura:

Autor do Projeto: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 2002101043

Assinatura:

DE-NGA-PMI.EPE-SIN-001 A 005-R2 (CARMB)

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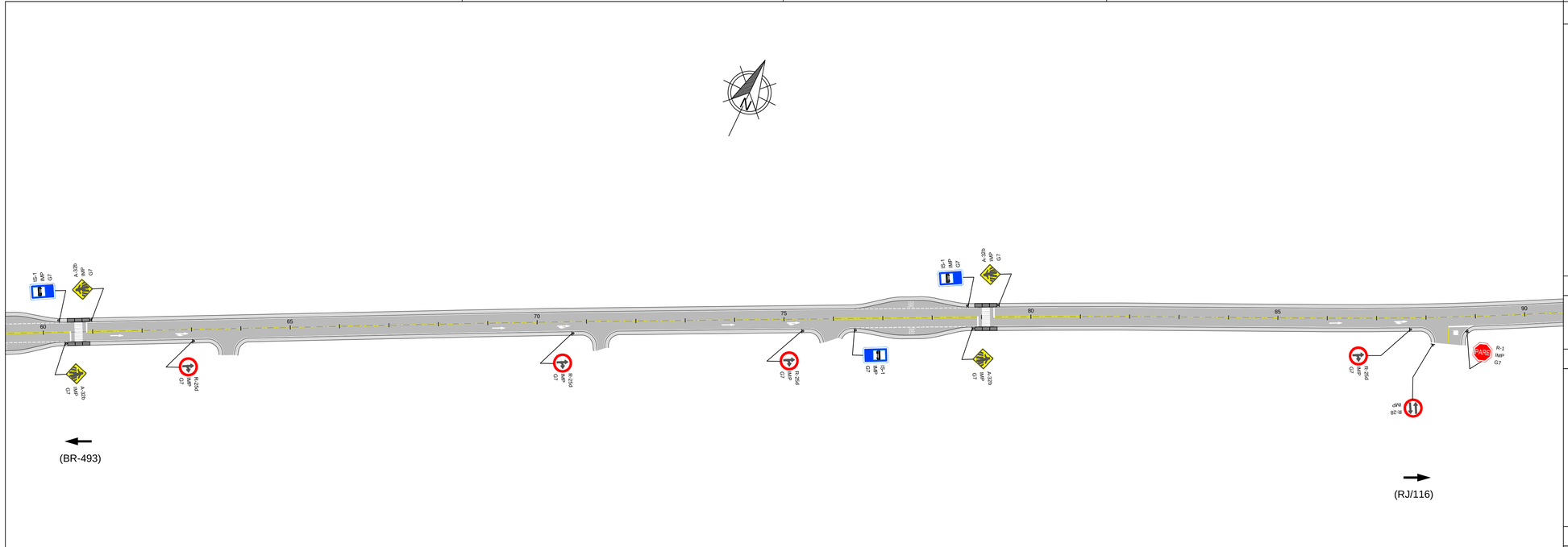

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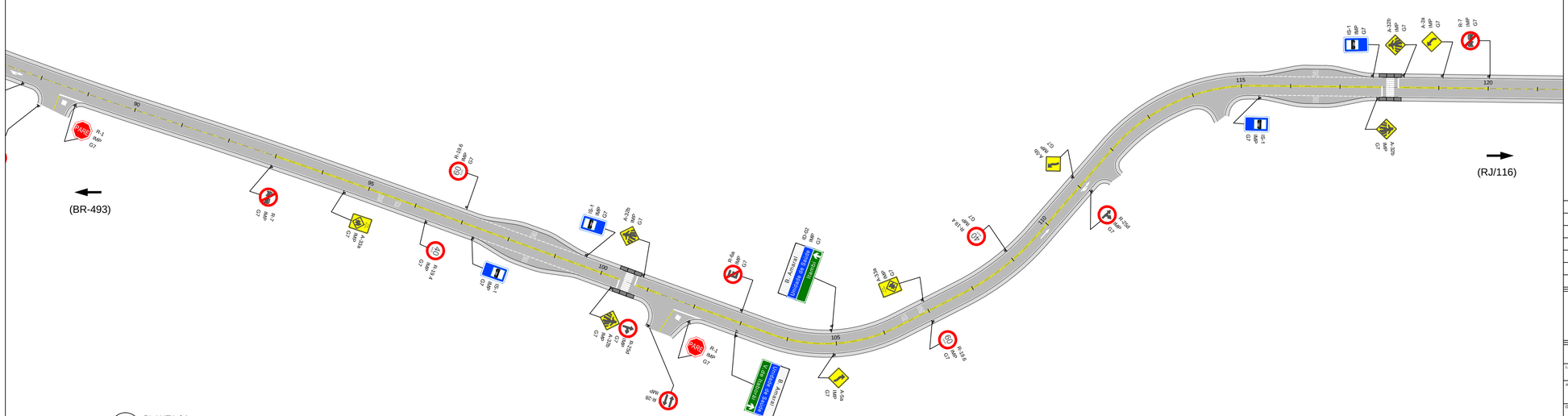
ESCALA: 1/1000



1 PLANTA 04
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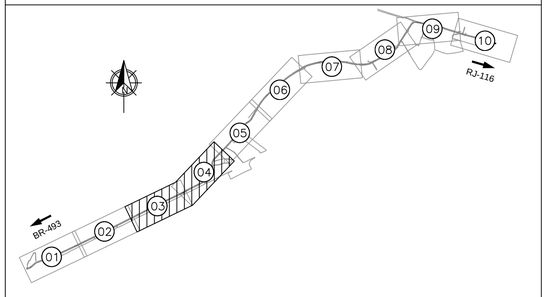
PLANTA CHAVE



DOCUMENTOS DE REFERÊNCIA

1) PROJETO GEOMÉTRICO

NOTAS GERAIS

1) DIMENSÕES E COTAS EM METROS, SALVO INDICAÇÃO EM CONTRÁRIO;
2) A SINALIZAÇÃO HORIZONTAL A SER IMPLANTADA DEVERÁ ATENDER AS NORMAS DE SINALIZAÇÃO DA PREFEITURA E MANUAL DO DENATRAN;
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   - PINTURA TERMOPLÁSTICAS POR ASPERSÃO PARA MARCAÇÕES LONGITUDINAIS
   - PINTURA LAMINADAS ELASTOPLÁSTICOS PARA OS SÍMBOLOS
   - PINTURA POR EXTRUSÃO PARA ZEBRADOS, SETAS, LEGENDAS, MAC, APROXIMAÇÃO, RETENÇÃO E FAIXAS DE PEDESTRES.
4) VER DETALHES DAS RAMPAS NO DESENHO: DE-NGA-PMI.EPE-GEP-011.

LEGENDA

- PAVIMENTO PROJETADO
- EIXO PROJETADO
- BORDO PROJETADO
- BORDO EXISTENTE
- LFO-01 — LINHA SIMPLES CONTÍNUA - L=0,10m
- LFO-03 — LINHA DUPLA CONTÍNUA - L=0,10m
- LFO-02 — LINHA SIMPLES SECCIONADA - L=0,10m
- LCO 1x1 — LINHA DE CONTINUIDADE 1 X 0,10m
- LBO — LINHA DE BORDO - L=0,10m
- FAIXA DE PEDESTRE E RETENÇÃO

Revisão	Data	Descrição	Aprovação
02	05/06/2024	Inclusão das Rampas de Pedestres	
01	20/05/2024	Inclusão das baias de ônibus	
00	10/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE SINALIZAÇÃO - PLANTA - PARTE 2 DE 5

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

PRANCHA: **02/05**

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante:	Desenhista:
SEMOB	Luis Claudio Carvalho dos Santos
Secretário Municipal de Obras: Diogo Sperling dos Santos Matrícula nº 44796	Assinatura:
Gerente de Núcleo: Alyne Saldanha Antunes Felizardo Engenheira (a) Civil - CREA - RJ 2002101043	Assinatura:
Autor do Projeto: Alyne Saldanha Antunes Felizardo Engenheira (a) Civil - CREA - RJ 2002101043	Assinatura:

DE-NGA-PMI.EPE-SIN-001 A 005-R2 (CARIMB)

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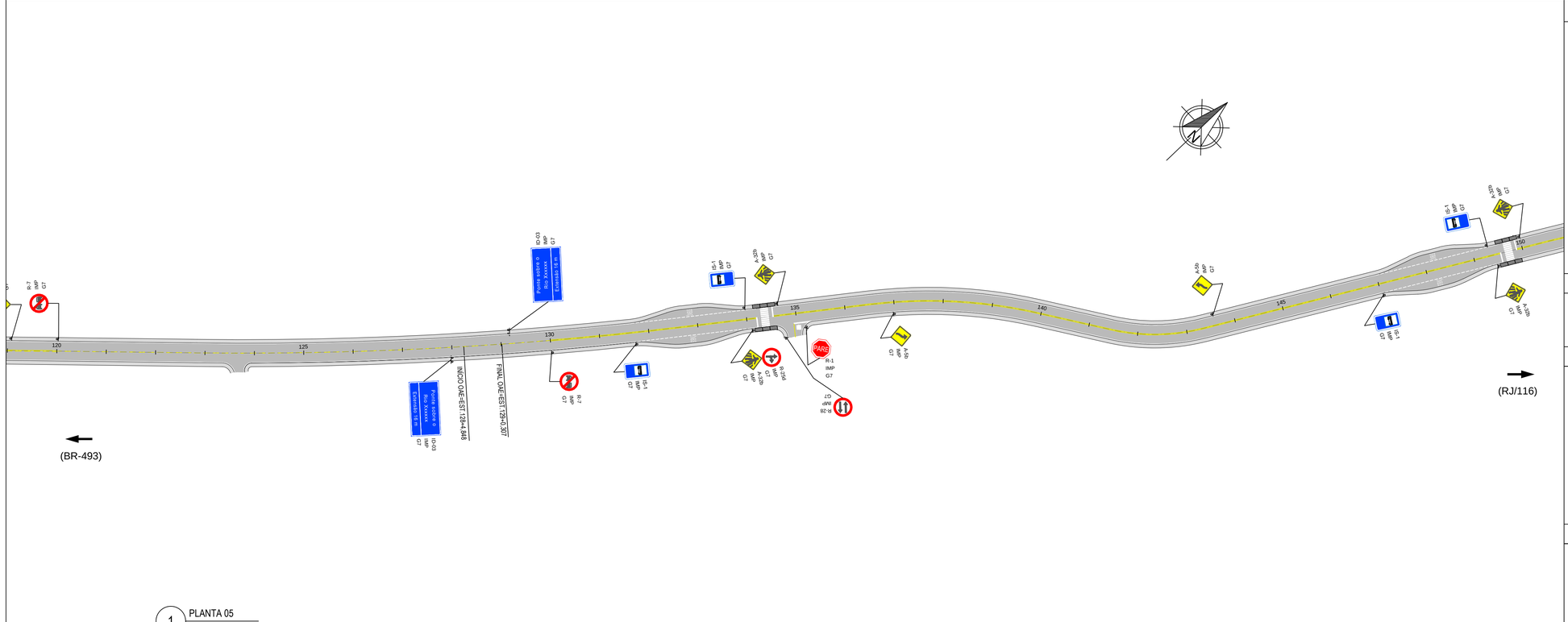

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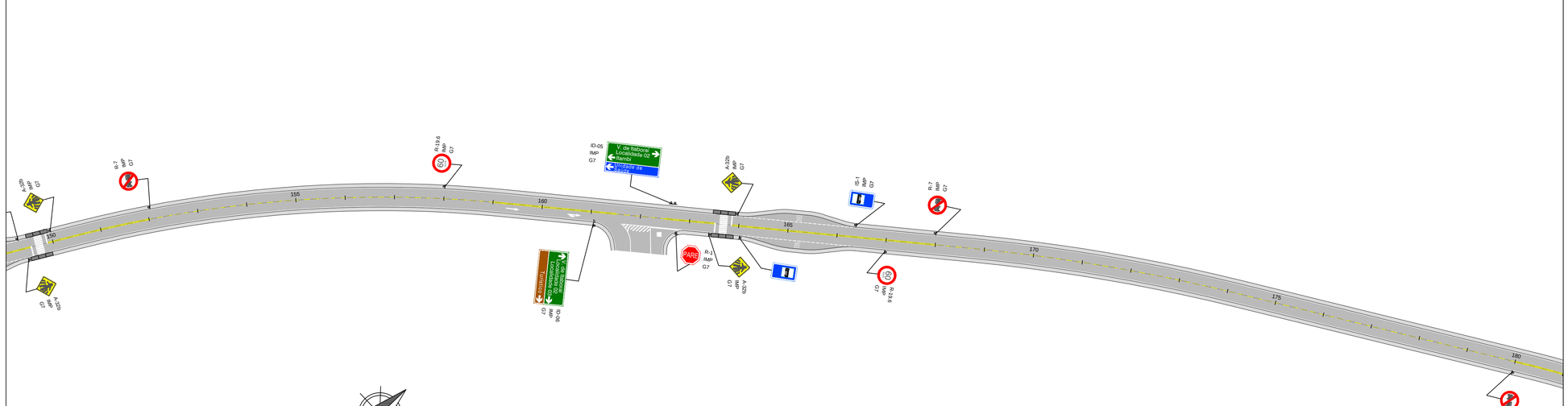
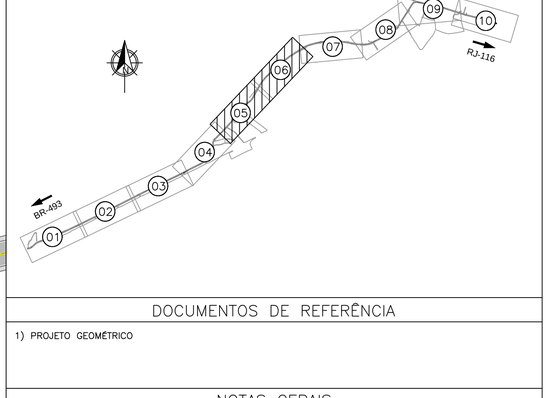
ESCALA: 1/1000



1 PLANTA 06
ESCALA: 1/1000

PLANTA CHAVE



DOCUMENTOS DE REFERÊNCIA

1) PROJETO GEOMÉTRICO

NOTAS GERAIS

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4) VER DETALHES DAS RAMPAS NO DESENHO: DE-NGA-PMI.EPE-GEP-011.

LEGENDA

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- BORDO PROJETADO
- BORDO EXISTENTE
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- LBO — LINHA DE BORDO - L=0,10m
- FAIXA DE PEDESTRE E RETENÇÃO

Revisão	Data	Descrição	Aprovação
02	05/06/2024	Inclusão das Rampas de Pedestres	
01	20/05/2024	Inclusão das baias de ônibus	
00	10/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE SINALIZAÇÃO - PLANTA - PARTE 3 DE 5

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

PRANCHA: 03/05

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante: SEMOB	Desenhista: Luis Claudio Carvalho dos Santos
Secretário Municipal de Obras: Diogo Sperling dos Santos, Matrícula nº 4678	Assinatura:
Gerente de Núcleo: Alyne Saldanha Antunes Felizardo, Engenheiro (a) Civil - CREA - RJ 2002101043	Assinatura:
Autor do Projeto: Alyne Saldanha Antunes Felizardo, Engenheiro (a) Civil - CREA - RJ 2002101043	Assinatura:

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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DE-NGA-PMI.EPE-SIN-001 A 005-R2 (CARIMB)

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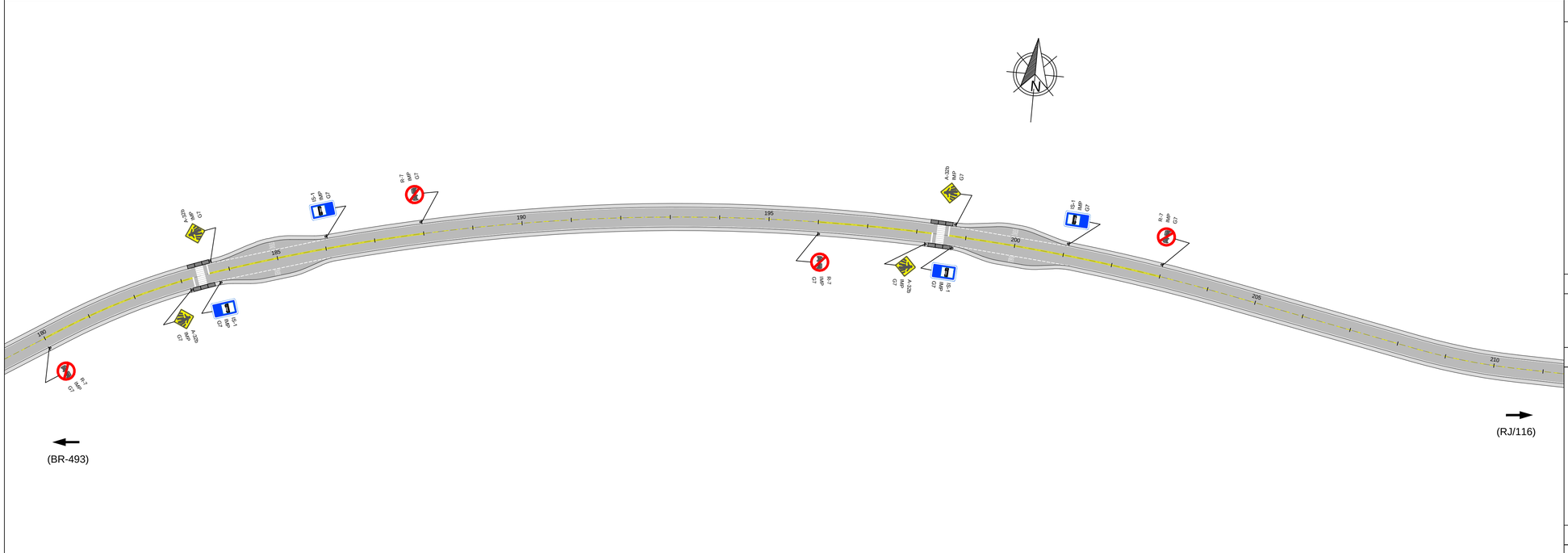
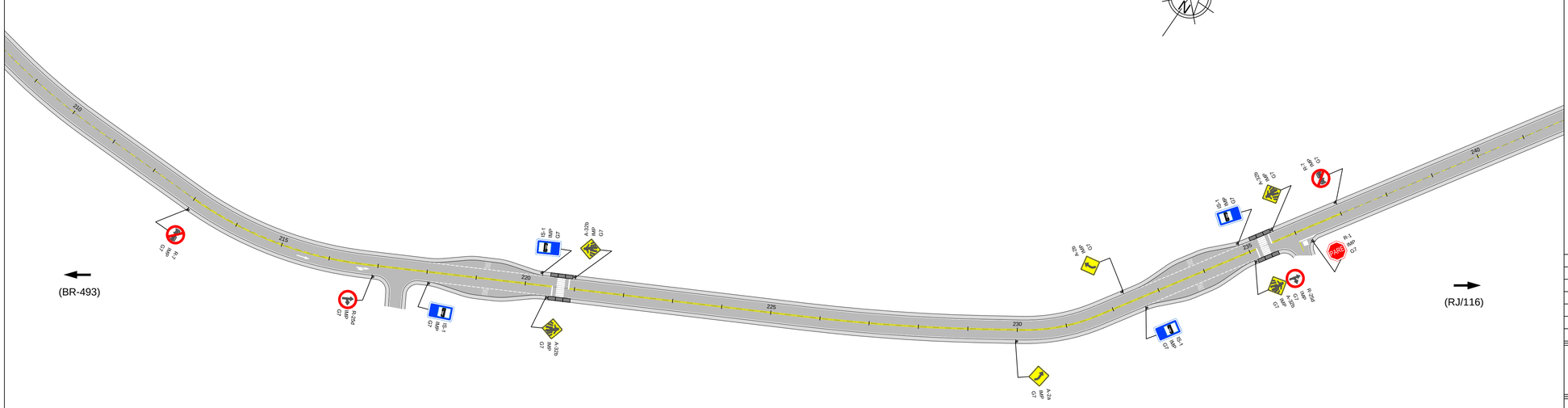
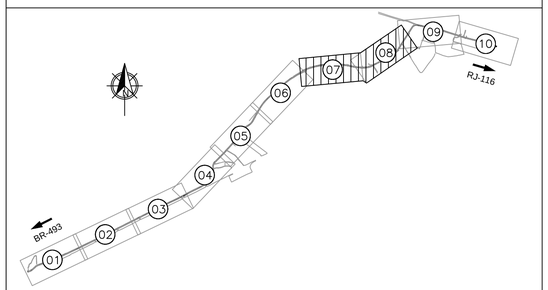


1 PLANTA 07
ESCALA: 1/1000



1 PLANTA 08
ESCALA: 1/1000

PLANTA CHAVE



DOCUMENTOS DE REFERÊNCIA

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- BORDO PROJETADO
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- LFO-02 — LINHA SIMPLES SECCIONADA - L=0,10m
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- FAIXA DE PEDESTRE E RETENÇÃO

Revisão	Data	Descrição	Aprovação
02	05/06/2024	Inclusão das Rampas de Pedestres	
01	20/05/2024	Inclusão das baias de ônibus	
00	10/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE SINALIZAÇÃO - PLANTA - PARTE 4 DE 5

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

PRANCHA: 04/05

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Matrícula nº 4678

Assinatura:

Gerente de Núcleo: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 200210143

Assinatura:

Autor do Projeto: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 200210143

Assinatura:

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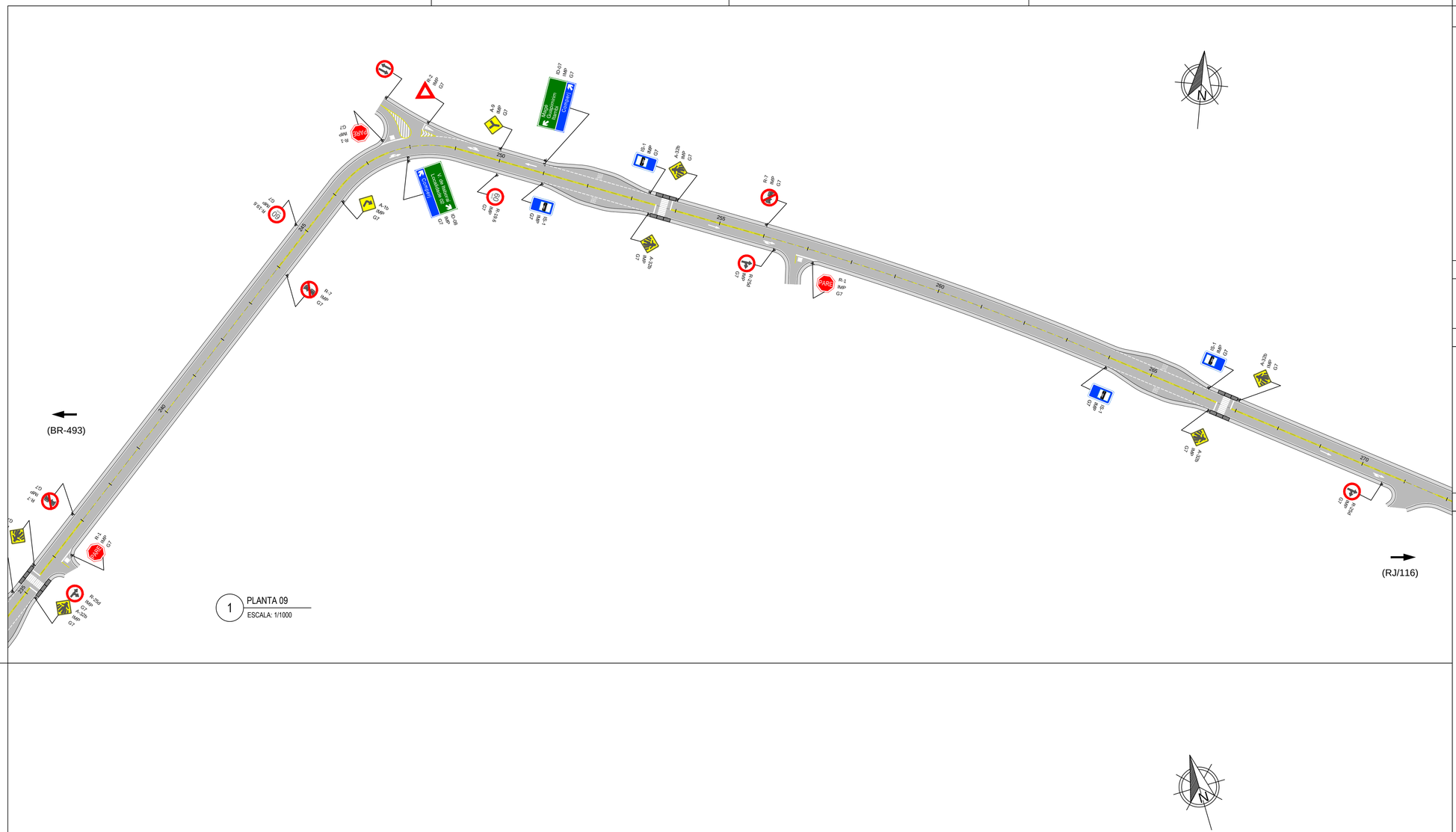
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DE-NGA-PMI.EPE-SIN-001 A 005-R2 (CARIMB)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT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PARE
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A-32b IMP G7
IS-1 IMP G7
R-19.6 IMP G7
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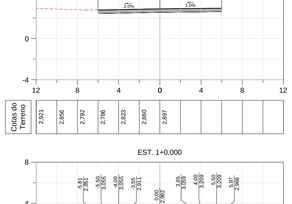

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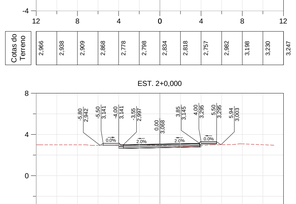

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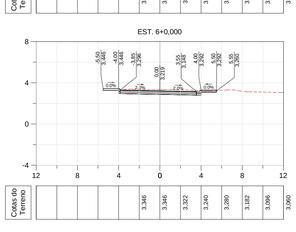

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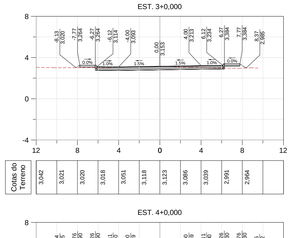

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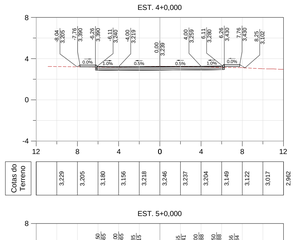

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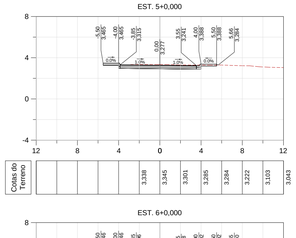

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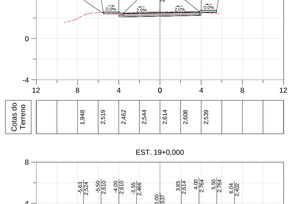

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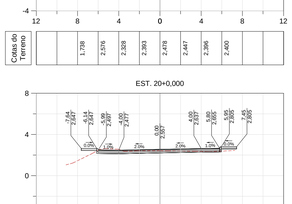

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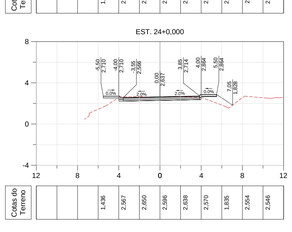

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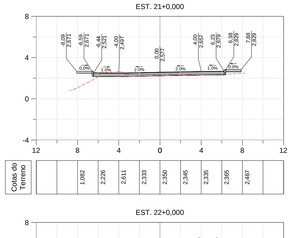

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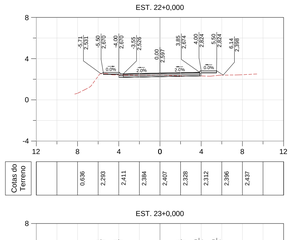

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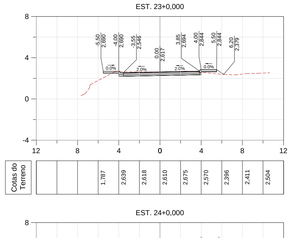

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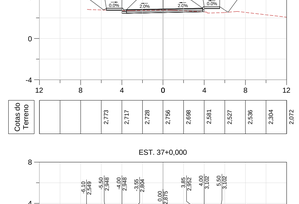

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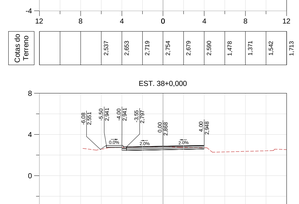
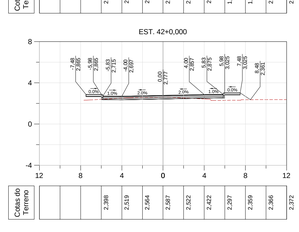


EST. 38+0,000



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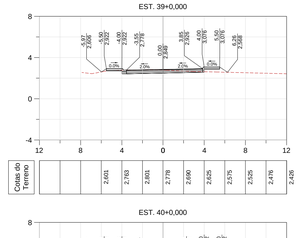
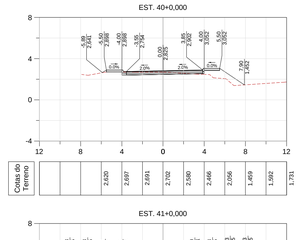
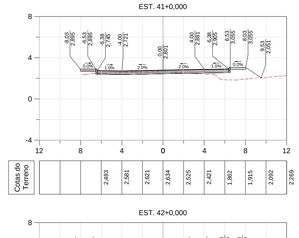


EST. 40+0,000

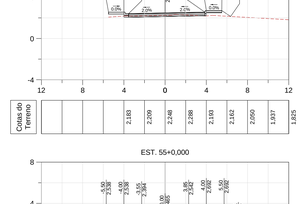


EST. 41+0,000

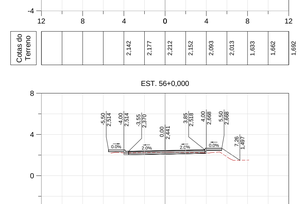


EST. 42+0,000

EST. 54+0,000



EST. 55+0,000



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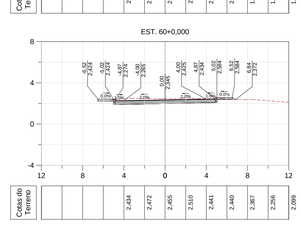

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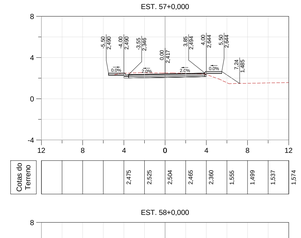
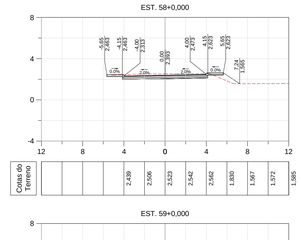
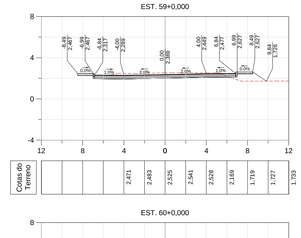


EST. 58+0,000

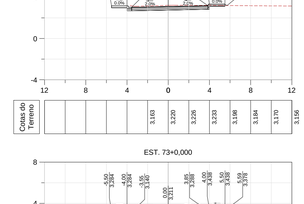


EST. 59+0,000

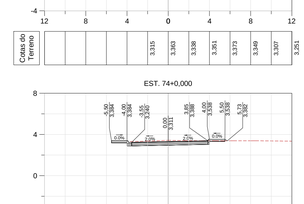


EST. 60+0,000

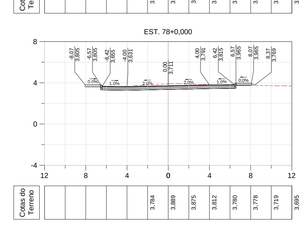
EST. 72+0,000



EST. 73+0,000



EST. 74+0,000



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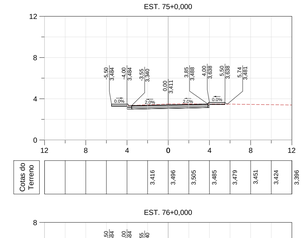
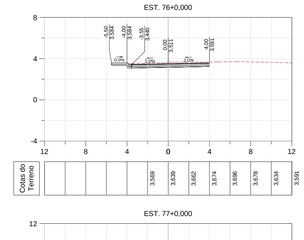
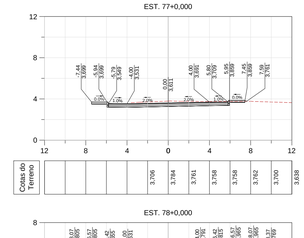


EST. 76+0,000



EST. 77+0,000



EST. 78+0,000

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núdeo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 01 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ
Distrito:

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ
Escala: 1/1000

PRANCHA: **01/10**

Órgão Solicitante: SEMOB
Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Matrícula nº 4278
Assinatura:

Gerente de Núcleo: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 2002101043
Assinatura:

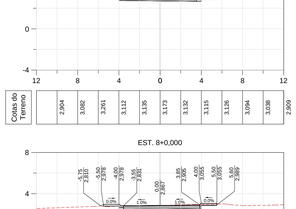
Autor do Projeto: Alyne Saldanha Antunes Felizardo
Engenheiro (a) Civil - CREA - RJ 2002101043
Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_RO (CARIMB)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

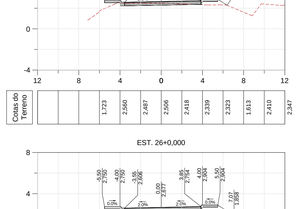
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 7+0,000



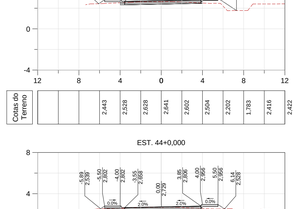
Cotas do Terreno									
2.904	3.082	3.261	3.112	3.135	3.173	3.132	3.115	3.126	3.094	3.038	2.869

EST. 25+0,000



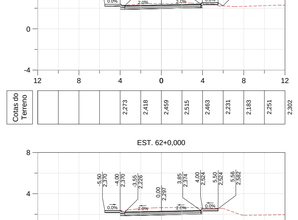
Cotas do Terreno									
1.723	2.560	2.497	2.506	2.418	2.339	2.323	1.613	2.410	2.347

EST. 43+0,000



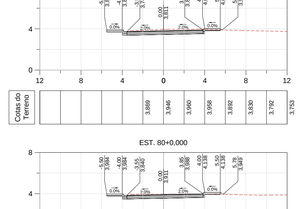
Cotas do Terreno									
2.443	2.528	2.629	2.641	2.602	2.504	2.202	1.783	2.416	2.422

EST. 61+0,000



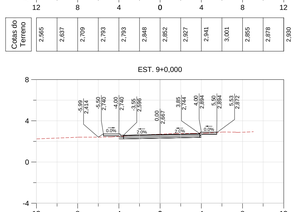
Cotas do Terreno									
2.273	2.418	2.459	2.515	2.463	2.231	2.183	2.251	2.302	

EST. 79+0,000



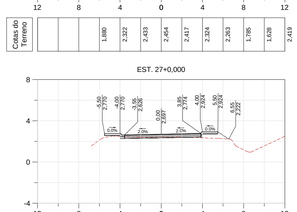
Cotas do Terreno									
3.889	3.946	3.960	3.958	3.892	3.830	3.792	3.753		

EST. 8+0,000



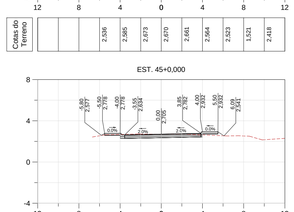
Cotas do Terreno									
2.565	2.637	2.709	2.793	2.793	2.848	2.862	2.827	2.941	3.001	2.855	2.878	2.930

EST. 26+0,000



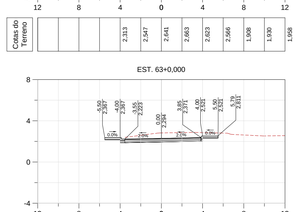
Cotas do Terreno									
1.880	2.322	2.493	2.454	2.417	2.324	2.263	1.785	1.628	2.419

EST. 44+0,000



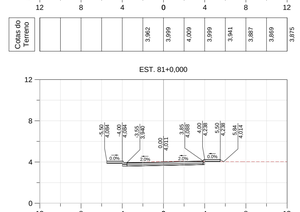
Cotas do Terreno									
2.336	2.365	2.673	2.670	2.661	2.564	2.523	1.521	2.418	

EST. 62+0,000



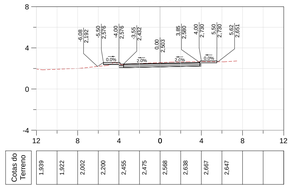
Cotas do Terreno									
2.313	2.547	2.441	2.663	2.623	2.566	1.908	1.930	1.958	

EST. 80+0,000



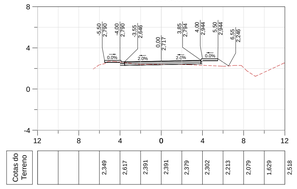
Cotas do Terreno									
3.962	3.999	4.009	3.999	3.941	3.887	3.869	3.875		

EST. 9+0,000



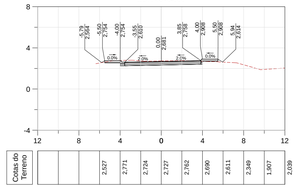
Cotas do Terreno									
2.340	2.320	2.401	2.414	2.479	2.607	2.688	2.781	2.792	2.902	2.880	

EST. 27+0,000



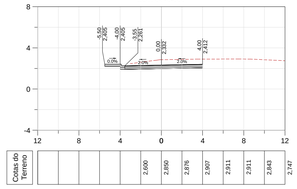
Cotas do Terreno									
2.122	2.484	2.390	2.395	2.493	2.340	2.260	1.180	1.507	2.460	

EST. 45+0,000



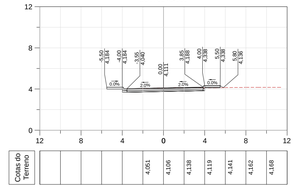
Cotas do Terreno									
2.543	2.678	2.709	2.700	2.699	2.627	2.544	2.624	2.183	2.294	

EST. 63+0,000



Cotas do Terreno									
2.588	2.823	2.949	2.883	2.805	2.620	2.529	2.587		

EST. 81+0,000



Cotas do Terreno									
4.002	4.042	4.087	4.048	4.016	4.023	4.021			

EST. 10+0,000

Cotas do Terreno									
1.939	1.922	2.002	2.200	2.455	2.475	2.588	2.638	2.667	2.647		

EST. 28+0,000

Cotas do Terreno									
2.349	2.617	2.391	2.391	2.379	2.302	2.213	2.079	1.629	2.518	

EST. 46+0,000

Cotas do Terreno									
2.327	2.771	2.734	2.727	2.762	2.690	2.611	2.349	1.907	2.039	

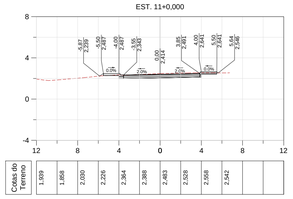
EST. 64+0,000

Cotas do Terreno									
2.000	2.850	2.976	2.907	2.911	2.911	2.843	2.747		

EST. 82+0,000

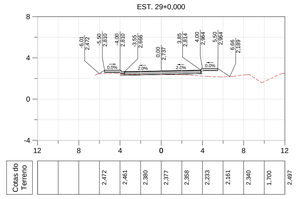
Cotas do Terreno									
4.051	4.106	4.138	4.119	4.141	4.162	4.168			

EST. 11+0,000



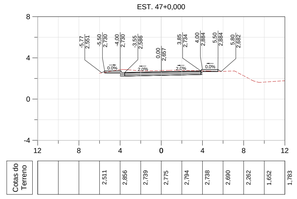
Cotas do Terreno									
1.939	1.858	2.030	2.226	2.364	2.389	2.483	2.528	2.558	2.542		

EST. 29+0,000



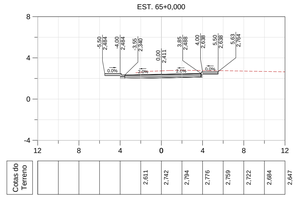
Cotas do Terreno									
2.472	2.461	2.860	2.377	2.358	2.233	2.161	2.340	1.700	2.497	

EST. 47+0,000



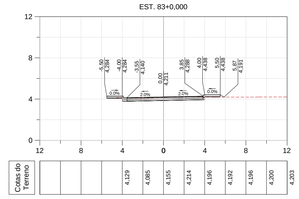
Cotas do Terreno									
2.511	2.865	2.709	2.775	2.794	2.738	2.690	2.262	1.652	1.783	

EST. 65+0,000



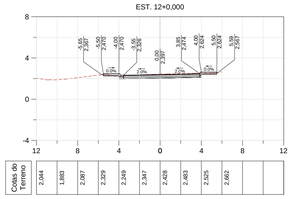
Cotas do Terreno									
2.611	2.742	2.794	2.776	2.759	2.722	2.694	2.647		

EST. 83+0,000



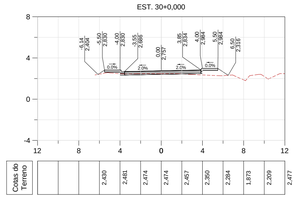
Cotas do Terreno									
4.129	4.085	4.155	4.214	4.196	4.192	4.196	4.200	4.203	

EST. 12+0,000



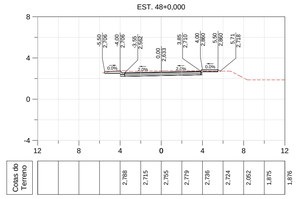
Cotas do Terreno									
2.044	1.883	2.087	2.329	2.249	2.347	2.428	2.483	2.525	2.662		

EST. 30+0,000



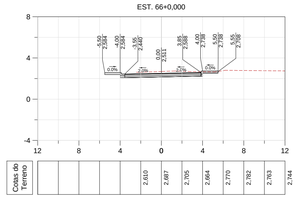
Cotas do Terreno									
2.400	2.461	2.474	2.474	2.457	2.350	2.284	1.873	2.299	2.477	

EST. 48+0,000



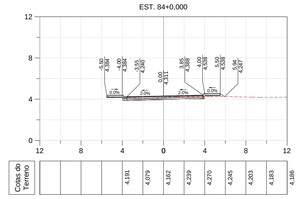
Cotas do Terreno									
2.788	2.715	2.755	2.779	2.736	2.724	2.062	1.875	1.876	

EST. 66+0,000



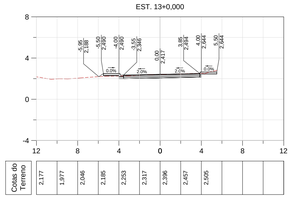
Cotas do Terreno									
2.810	2.487	2.765	2.664	2.770	2.782	2.793	2.744		

EST. 84+0,000



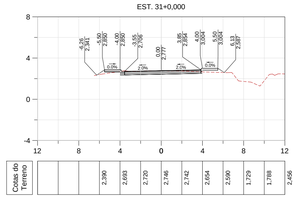
Cotas do Terreno									
4.191	4.079	4.162	4.239	4.270	4.245	4.203	4.183	4.186	

EST. 13+0,000



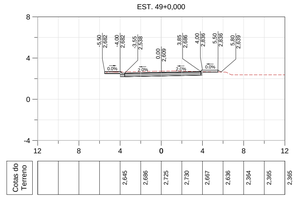
Cotas do Terreno									
2.177	1.977	2.046	2.185	2.253	2.317	2.396	2.457	2.205		

EST. 31+0,000



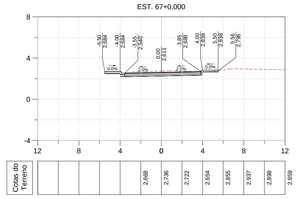
Cotas do Terreno									
2.390	2.693	2.720	2.746	2.742	2.654	2.600	1.729	1.788	2.456	

EST. 49+0,000



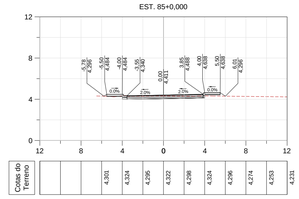
Cotas do Terreno									
2.645	2.666	2.725	2.730	2.667	2.638	2.364	2.365	2.365	

EST. 67+0,000



Cotas do Terreno									
2.668	2.736	2.712	2.654	2.655	2.937	2.898	2.659		

EST. 85+0,000



Cotas do Terreno									
4.301	4.324	4.295	4.322	4.298	4.324	4.296	4.274	4.253	4.231

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

ÁREA DE CORTE

ÁREA DE ATERRO

TERRENO NATURAL

DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 02 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

DISEÑO: FRANCHA

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

02/10

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Decreto nº 14.438

Assinatura:

Responsável Técnico: Alyne Saktanha Antunes Feitzardo
Engenheira (a) Civil - CREA - RJ 250210043

Assinatura:

Autor do Projeto: Alyne Saktanha Antunes Feitzardo
Engenheira (a) Civil - CREA - RJ 250210043

Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMB)

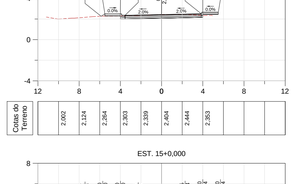
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

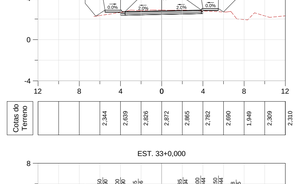
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

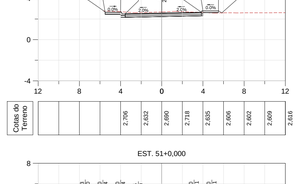
EST. 14+0,000



EST. 32+0,000



EST. 50+0,000



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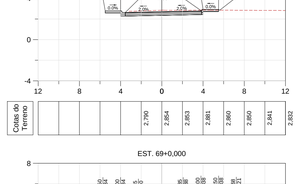

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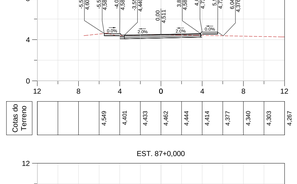
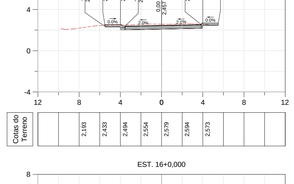
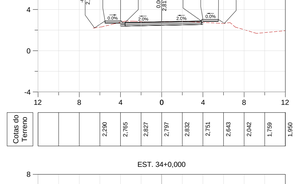


EST. 15+0,000



EST. 33+0,000



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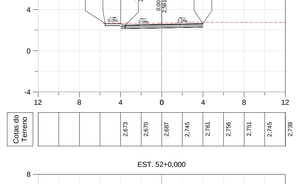

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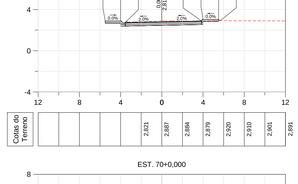
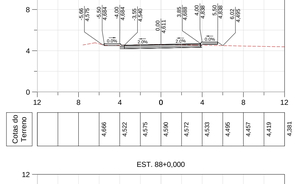


EST. 87+0,000



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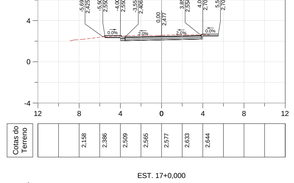

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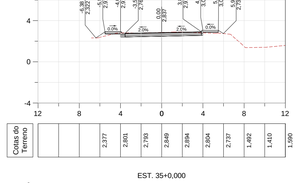
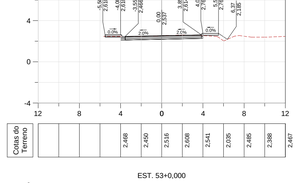
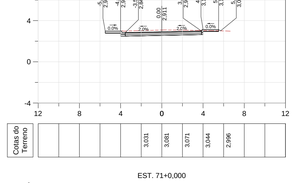


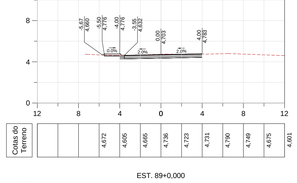
EST. 52+0,000



EST. 70+0,000



EST. 88+0,000



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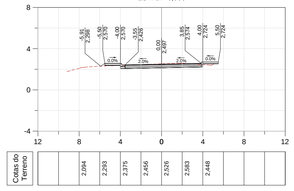

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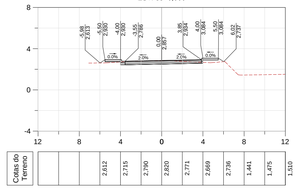
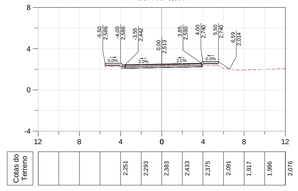
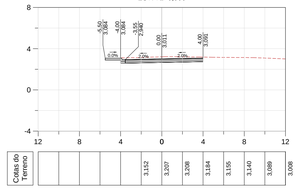


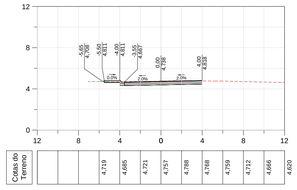
EST. 53+0,000



EST. 71+0,000



EST. 89+0,000



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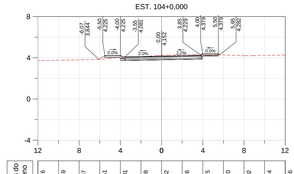
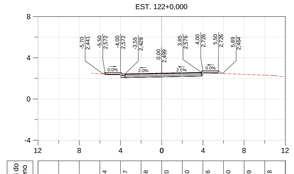
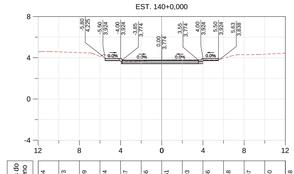


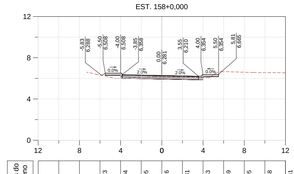
EST. 122+0,000



EST. 140+0,000



EST. 158+0,000



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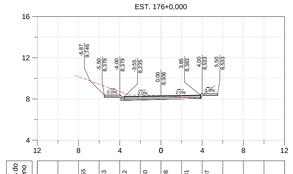

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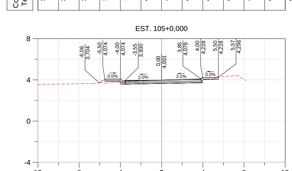

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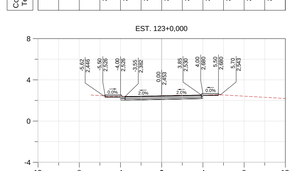
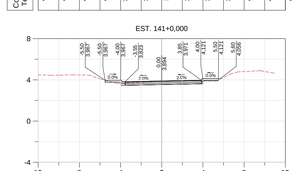
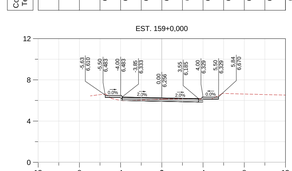


EST. 141+0,000



EST. 159+0,000



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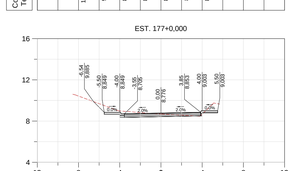

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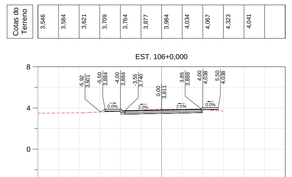

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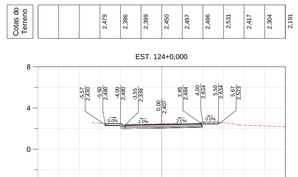
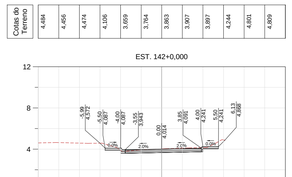


EST. 142+0,000



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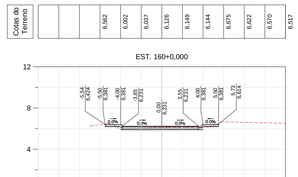

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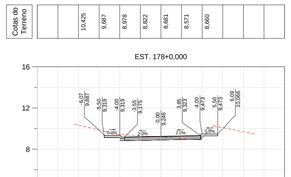


DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- LINHA DE CHAMADA (DISTÂNCIA / COTA)

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 03 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

PRANCHA: **03/10**

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Nomeação nº 14736

Assinatura:

Gerente de Núcleo: Alyne Saldanha Antunes Felizardo
Engenheira (a) Civil - CREA - RJ 2002101043

Assinatura:

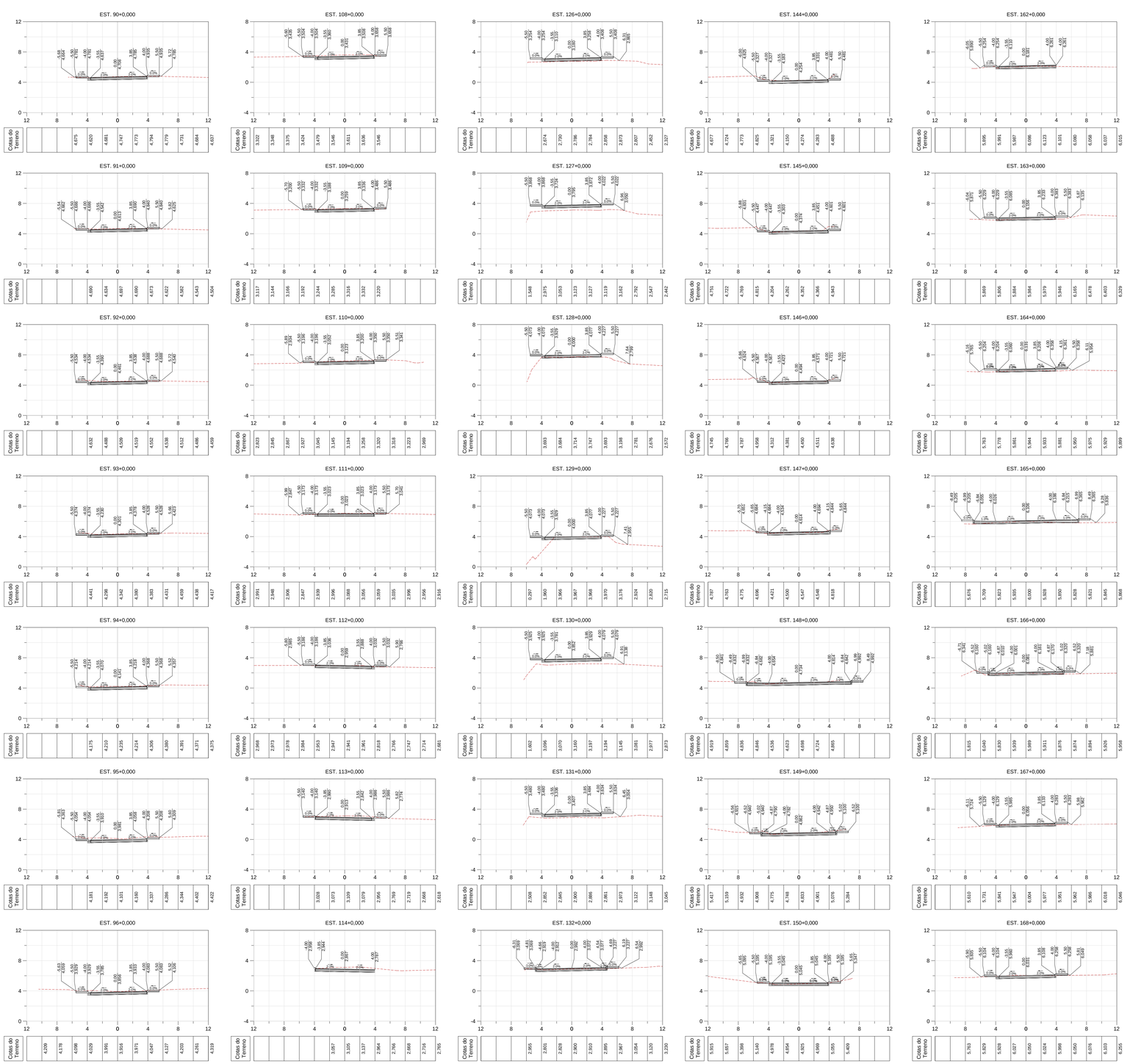
Autor do Projeto: Alyne Saldanha Antunes Felizardo
Engenheira (a) Civil - CREA - RJ 2002101043

Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMBO)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA CHA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 04 DE 10

DATA: Jun/2024

LOCAL: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

DISTRITO:

PRANCHA: **04/10**

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos

Assinatura:

Gestora de Núcleo: Alyne Saldanha Antunes Fellizardo
Engenheira (a) Civil - CREA - RJ 2002102043

Assinatura:

Autor do Projeto: Alyne Saldanha Antunes Fellizardo
Engenheira (a) Civil - CREA - RJ 2002102043

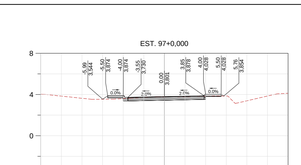
Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMBO)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

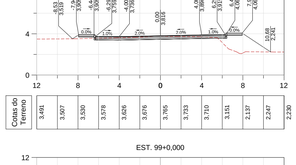
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 97+0,000



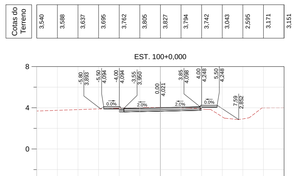
Cotas do Terreno											
4,021	3,846	3,834	3,544	3,605	3,707	3,773	3,779	3,834	3,853	3,382	3,853	4,117

EST. 98+0,000



Cotas do Terreno											
3,491	3,607	3,520	3,578	3,626	3,676	3,765	3,733	3,710	3,151	2,137	2,247	2,230

EST. 99+0,000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4
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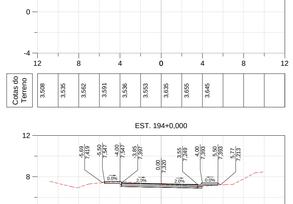
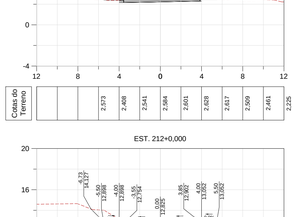
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 107+0,000



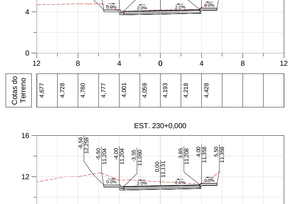
Cotas do Terreno									
3,598	3,535	3,562	3,591	3,536	3,593	3,635	3,695	3,646	

EST. 125+0,000



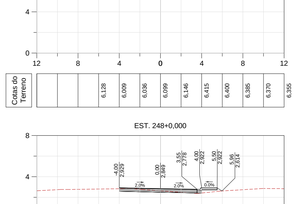
Cotas do Terreno									
2,573	2,408	2,541	2,564	2,601	2,429	2,617	2,509	2,461	2,225

EST. 143+0,000



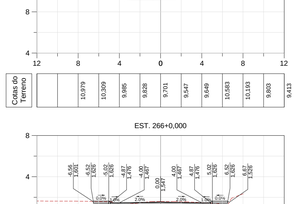
Cotas do Terreno									
4,677	4,728	4,780	4,777	4,001	4,059	4,193	4,218	4,429	

EST. 161+0,000



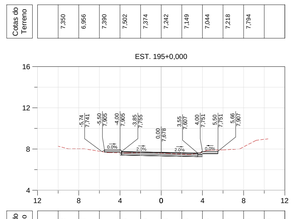
Cotas do Terreno									
6,128	6,009	6,036	6,099	6,146	6,415	6,400	6,385	6,370	6,355

EST. 179+0,000



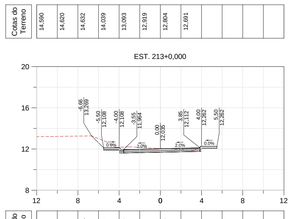
Cotas do Terreno									
10,979	10,399	9,986	9,828	9,791	9,547	9,649	10,583	10,193	9,803

EST. 194+0,000



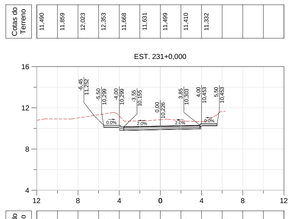
Cotas do Terreno									
7,350	6,966	7,390	7,502	7,374	7,242	7,149	7,044	7,218	7,794

EST. 212+0,000



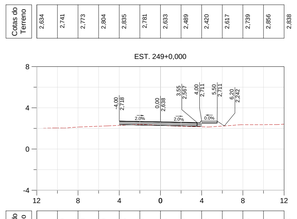
Cotas do Terreno									
14,560	14,420	14,632	14,039	13,003	12,919	12,804	12,991		

EST. 230+0,000



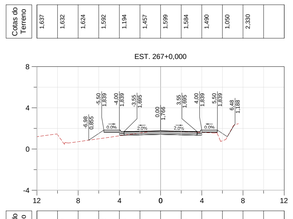
Cotas do Terreno									
11,490	11,859	12,203	12,383	11,668	11,031	11,499	11,410	11,332	

EST. 248+0,000



Cotas do Terreno									
2,634	2,741	2,773	2,804	2,835	2,781	2,633	2,489	2,420	2,617	2,739	2,856	2,838

EST. 266+0,000



Cotas do Terreno									
1,637	1,632	1,624	1,592	1,134	1,457	1,599	1,584	1,490	1,050	2,330

EST. 195+0,000

Cotas do Terreno									
8,262	8,034	7,781	7,625	7,649	7,593	7,496	7,705	7,814	8,204	8,840

EST. 213+0,000

Cotas do Terreno									
13,192	13,222	13,251	13,006	12,170	12,154	12,040	11,930		

EST. 231+0,000

Cotas do Terreno									
10,705	10,917	11,012	11,323	11,222	10,727	10,845	10,748	10,644	11,426

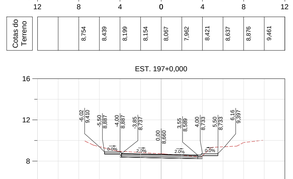
EST. 249+0,000

Cotas do Terreno									
2,039	2,130	2,209	2,295	2,387	2,294	2,207	2,152	2,227	2,355	2,362	2,406

EST. 267+0,000

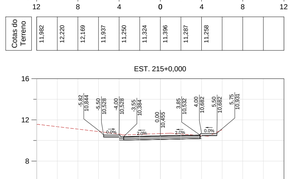
Cotas do Terreno									
1,197	1,380	0,711	0,992	1,273	1,554	1,727	1,670	1,607	0,795

EST. 196+0,000



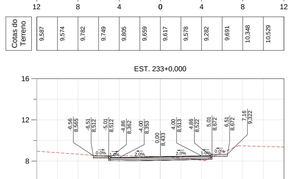
Cotas do Terreno									
8,354	8,439	8,199	8,154	8,067	7,982	8,421	8,637	8,878	9,461

EST. 214+0,000



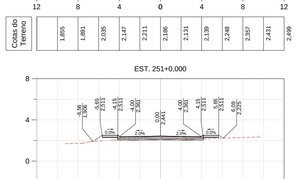
Cotas do Terreno									
11,982	12,220	12,169	11,937	11,250	11,124	11,396	11,287	11,258	

EST. 232+0,000



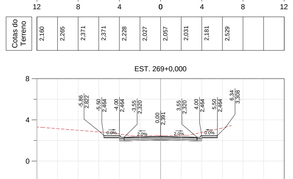
Cotas do Terreno									
9,587	9,574	9,782	9,749	9,809	9,659	9,617	9,578	9,382	9,691	10,348	10,529

EST. 250+0,000



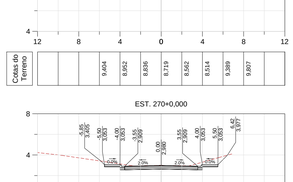
Cotas do Terreno									
1,855	1,881	2,035	2,147	2,211	2,186	2,131	2,139	2,248	2,357	2,431	2,499

EST. 268+0,000



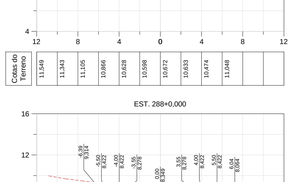
Cotas do Terreno									
7,180	7,265	7,371	7,371	7,228	7,057	7,031	7,181	7,329	

EST. 197+0,000



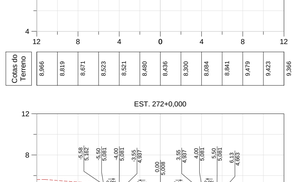
Cotas do Terreno									
9,404	8,952	8,836	8,719	8,652	8,514	8,369	9,807		

EST. 215+0,000



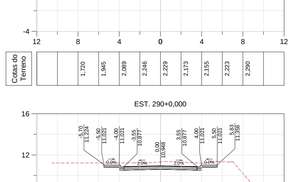
Cotas do Terreno									
11,549	11,343	11,155	10,866	10,628	10,598	10,672	10,833	10,474	11,048

EST. 233+0,000



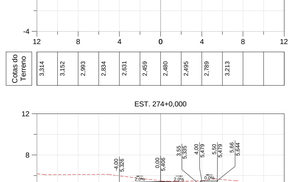
Cotas do Terreno									
8,896	8,819	8,671	8,523	8,521	8,480	8,436	8,300	8,084	8,441	9,479	9,423	9,366

EST. 251+0,000



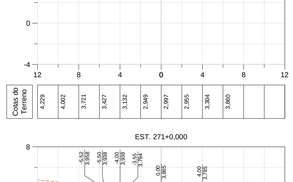
Cotas do Terreno									
1,720	1,945	2,089	2,246	2,229	2,173	2,155	2,223	2,290	

EST. 269+0,000



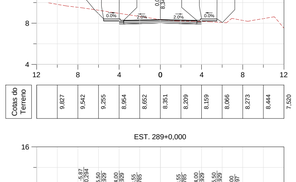
Cotas do Terreno									
3,314	3,152	2,953	2,834	2,631	2,459	2,480	2,495	2,789	3,213

EST. 270+0,000



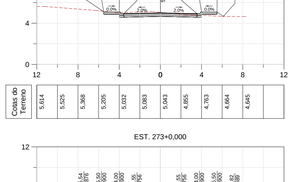
Cotas do Terreno									
4,229	4,602	3,721	3,427	3,132	2,949	2,997	2,955	3,304	3,960

EST. 288+0,000



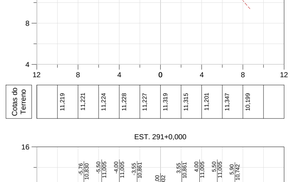
Cotas do Terreno									
9,827	9,542	9,255	8,964	8,652	8,351	8,359	8,159	8,066	8,273	8,444	7,520

EST. 272+0,000



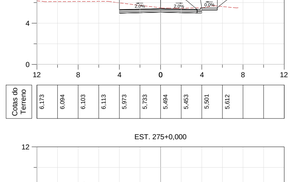
Cotas do Terreno									
5,614	5,525	5,368	5,205	5,032	5,083	5,043	4,855	4,763	4,664	4,645

EST. 290+0,000



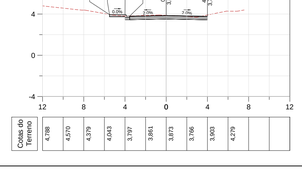
Cotas do Terreno									
11,219	11,221	11,224	11,228	11,227	11,319	11,315	11,201	11,347	10,199

EST. 274+0,000



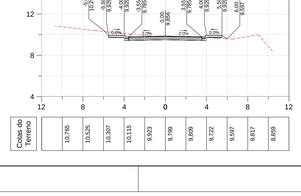
Cotas do Terreno									
6,173	6,094	6,103	6,113	5,973	5,733	5,484	5,453	5,501	5,612

EST. 271+0,000



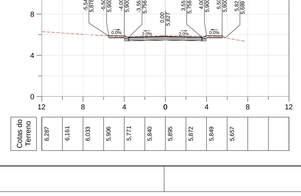
Cotas do Terreno									
4,788	4,570	4,379	4,043	3,797	3,661	3,873	3,796	3,903	4,279

EST. 289+0,000



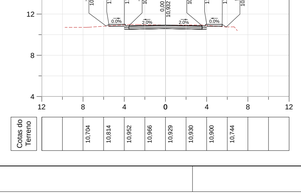
Cotas do Terreno									
10,765	10,526	10,307	10,115	9,923	9,799	9,809	9,722	9,597	9,817	8,959

EST. 273+0,000



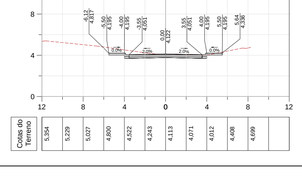
Cotas do Terreno									
6,287	6,161	6,033	5,906	5,771	5,840	5,895	5,872	5,849	5,657

EST. 291+0,000



Cotas do Terreno									
10,704	10,814	10,952	10,966	10,929	10,930	10,900	10,744		

EST. 275+0,000



Cotas do Terreno									
5,354	5,229	5,027	4,800	4,522	4,243	4,113	4,071	4,012	4,408	4,699

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 06 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito: PRINCIPAL

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

06/10

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos — Matrícula nº 06

Técnico Responsável: Alyne Saldanha Antunes Feitzardo — Engenheiro (a) Civil - CREA - RJ 2002101043

Autor do Projeto: Alyne Saldanha Antunes Feitzardo — Engenheiro (a) Civil - CREA - RJ 2002101043

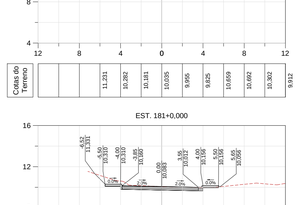
Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMB)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 180+0,000



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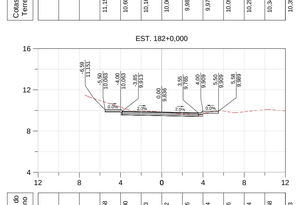
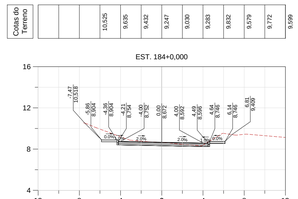


EST. 182+0,000



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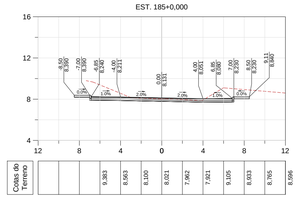
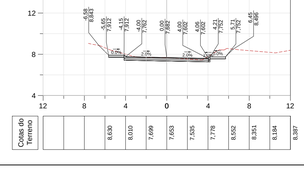


EST. 184+0,000



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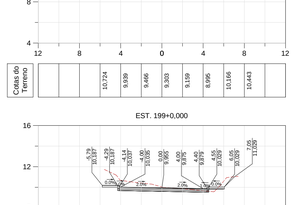
EST. 186+0,000

EST. 198+0,000



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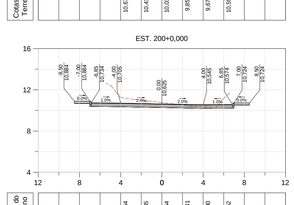

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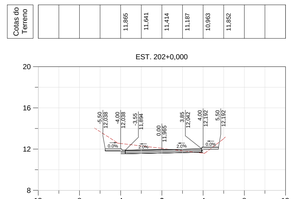
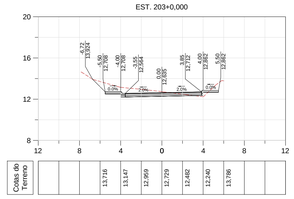


EST. 201+0,000



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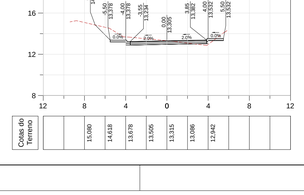

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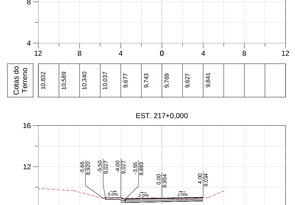
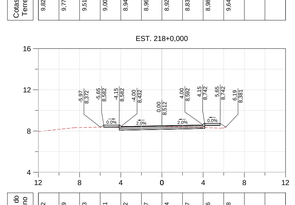
EST. 204+0,000

EST. 216+0,000



EST. 217+0,000



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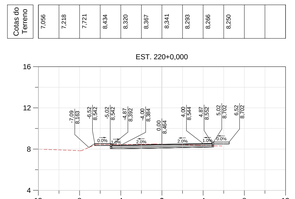

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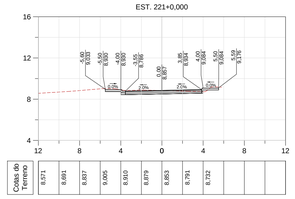

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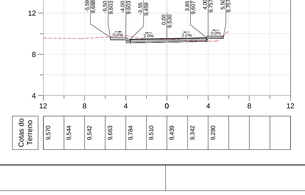

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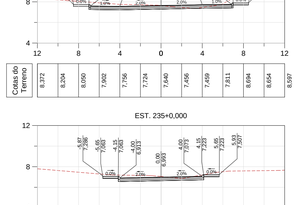
EST. 222+0,000

EST. 234+0,000



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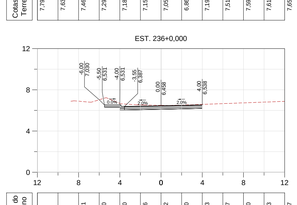

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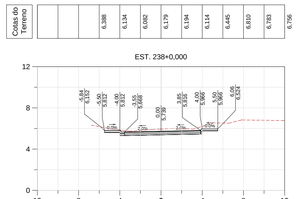

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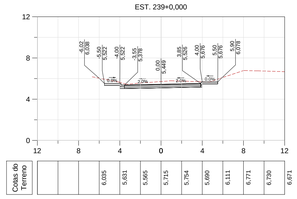
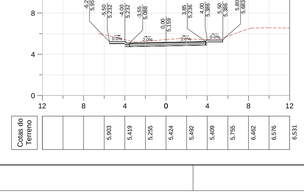


EST. 238+0,000



EST. 239+0,000

EST. 240+0,000

EST. 252+0,000

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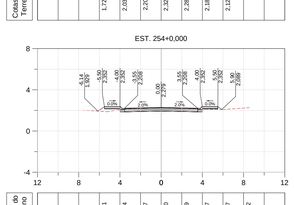

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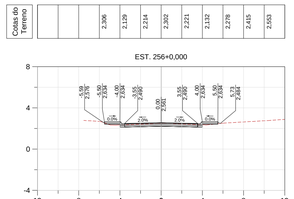

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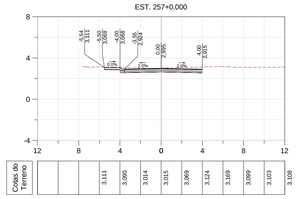

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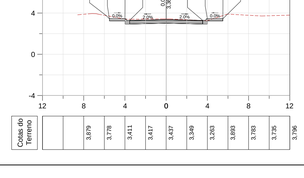


EST. 257+0,000

EST. 258+0,000

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 07 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÂFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÂFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

PRANCHA: 07/10

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Spelling dos Santos, Matrícula nº 04/24

Assinatura:

Gerente de Projeto: Alyne Saldanha Antunes Felizardo, Engenheiro (a) Civil - CREA - RJ 2002101043

Assinatura:

Autor do Projeto: Alyne Saldanha Antunes Felizardo, Engenheiro (a) Civil - CREA - RJ 2002101043

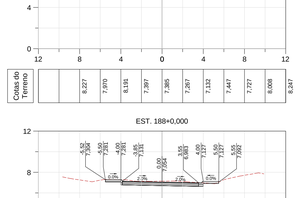
Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMB)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

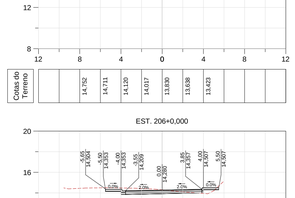
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 187+0,000



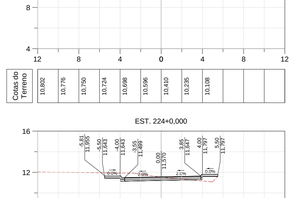
Cotas do Terreno									
8,062	8,227	7,970	8,191	7,397	7,385	7,267	7,132	7,447	7,727	8,008	8,247

EST. 205+0,000



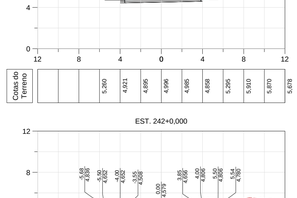
Cotas do Terreno									
15,154	15,409	15,826	15,741	15,087	15,101	15,013	14,881	14,742			

EST. 223+0,000



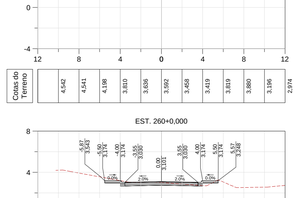
Cotas do Terreno									
13,755	14,037	13,949	13,693	13,246	13,117	12,999	12,895				

EST. 241+0,000



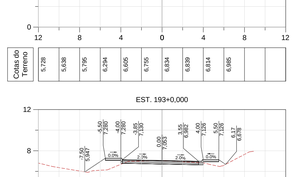
Cotas do Terreno									
4,613	4,297	4,460	4,312	4,279	4,274	4,313	4,288	4,402			

EST. 259+0,000



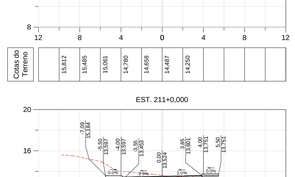
Cotas do Terreno									
2,305	2,048	2,072	2,096	2,109	2,101	2,051	1,923	2,038	2,229		

EST. 188+0,000



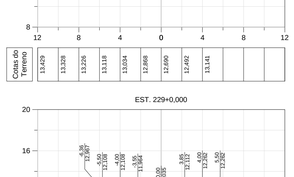
Cotas do Terreno									
7,265	7,240	7,283	7,231	7,145	7,109	6,973	7,294	7,715			

EST. 206+0,000



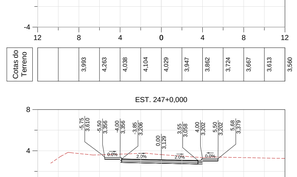
Cotas do Terreno									
14,448	14,498	14,484	14,431	14,299	14,108	13,942					

EST. 224+0,000



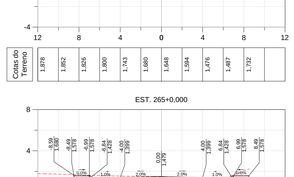
Cotas do Terreno									
12,035	12,009	11,983	11,957	11,934	11,796	11,547	11,347	11,183			

EST. 242+0,000



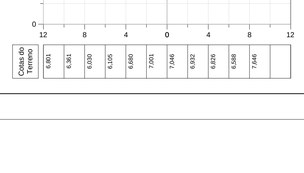
Cotas do Terreno									
4,655	4,737	4,569	4,623	4,647	4,644	4,616	5,408	5,392	5,178		

EST. 260+0,000



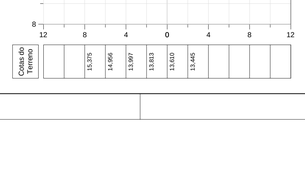
Cotas do Terreno									
4,204	3,909	3,996	3,300	3,038	3,020	2,863	2,714	3,064	2,529	2,664	2,733

EST. 189+0,000



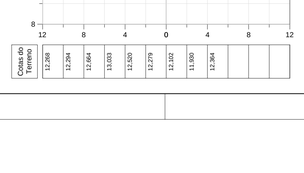
Cotas do Terreno									
6,561	6,795	7,155	7,440	7,064	6,998	7,002	6,945	6,820	7,643		

EST. 207+0,000



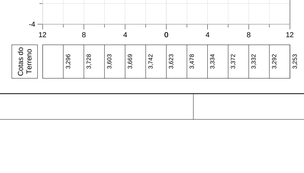
Cotas do Terreno									
14,727	14,793	14,761	14,758	14,726	14,680	14,524	14,382				

EST. 225+0,000



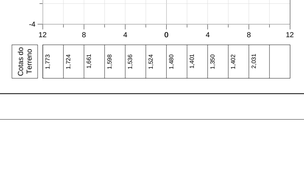
Cotas do Terreno									
13,342	13,216	13,177	12,996	12,767	12,658	12,509	12,315				

EST. 243+0,000



Cotas do Terreno									
4,493	4,375	4,342	4,364	4,378	4,399	4,448	4,481	4,702	4,813		

EST. 261+0,000



Cotas do Terreno									
3,290	3,147	2,761	2,420	2,429	2,424	2,315	2,189	2,322	2,181	2,371	2,461

EST. 190+0,000

Cotas do Terreno									
6,062	6,380	6,666	6,862	7,238	7,347	6,874	6,933	6,910	6,862	7,448	

EST. 208+0,000

Cotas do Terreno									
15,154	15,409	15,826	15,741	15,087	15,101	15,013	14,881	14,742			

EST. 226+0,000

Cotas do Terreno									
13,755	14,037	13,949	13,693	13,246	13,117	12,999	12,895				

EST. 244+0,000

Cotas do Terreno									
4,613	4,297	4,460	4,312	4,279	4,274	4,313	4,288	4,402			

EST. 262+0,000

Cotas do Terreno									
2,305	2,048	2,072	2,096	2,109	2,101	2,051	1,923	2,038	2,229		

EST. 191+0,000

Cotas do Terreno									
5,715	5,915	6,115	6,381	6,619	6,877	6,844	6,884	6,856	6,815		

EST. 209+0,000

Cotas do Terreno									
15,890	15,789	15,669	15,528	15,479	15,474	15,290	15,062	15,577			

EST. 227+0,000

Cotas do Terreno									
13,830	13,987	14,303	13,912	13,504	13,226	13,041	12,920	13,092			

EST. 245+0,000

Cotas do Terreno									
3,790	4,193	4,210	4,087	4,064	4,250	4,225	4,200	4,619			

EST. 263+0,000

Cotas do Terreno									
2,304	1,956	1,930	1,904	1,878	1,899	1,874	1,879	1,762	1,836	1,883	

EST. 192+0,000

Cotas do Terreno									
5,778	5,838	5,795	6,294	6,605	6,705	6,834	6,839	6,814	6,986		

EST. 210+0,000

Cotas do Terreno									
15,812	15,485	15,061	14,780	14,658	14,487	14,250					

EST. 228+0,000

Cotas do Terreno									
13,429	13,328	13,226	13,118	13,034	12,898	12,690	12,492	13,141			

EST. 246+0,000

Cotas do Terreno									
3,993	4,293	4,038	4,164	4,029	3,947	3,862	3,724	3,667	3,613	3,580	

EST. 264+0,000

Cotas do Terreno									
1,878	1,852	1,826	1,800	1,743	1,660	1,648	1,594	1,476	1,467	1,702	

EST. 193+0,000

Cotas do Terreno									
6,361	6,030	6,105	6,680	7,001	7,046	6,932	6,826	6,538	7,046		

EST. 211+0,000

Cotas do Terreno									
15,375	14,954	13,997	13,813	13,610	13,445						

EST. 229+0,000

Cotas do Terreno									
12,268	12,294	12,664	13,003	12,920	12,279	12,102	11,930	12,364			

EST. 247+0,000

Cotas do Terreno									
3,296	3,728	3,603	3,469	3,742	3,623	3,479	3,334	3,272	3,332	3,292	3,253

EST. 265+0,000

Cotas do Terreno									
1,773	1,724	1,641	1,596	1,536	1,524	1,480	1,401	1,360	1,402	2,031	

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 08 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÂFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito:

PRANCHA: **08/10**

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÂFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

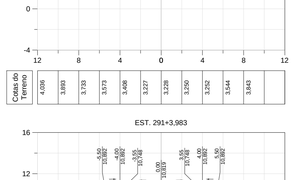
Órgão Solicitante: SEMOB	Desenhista: Luis Claudio Carvalho dos Santos
Secretário Municipal de Obras: Diogo Sperling dos Santos Matrícula nº 64.736	Assinatura:
Gerente de Projeto: Alyne Saldanha Antunes Feitzardo Engenheiro (a) Civil - CREA - RJ 2002101043	Assinatura:
Autor do Projeto: Alyne Saldanha Antunes Feitzardo Engenheiro (a) Civil - CREA - RJ 2002101043	Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMBO)

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

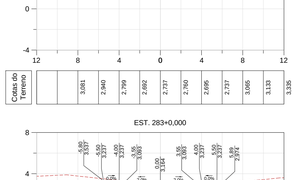
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

EST. 276+0,000



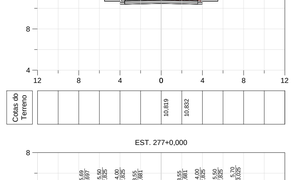
Cotas do Terreno											
4,036	3,893	3,783	3,573	3,406	3,227	3,228	3,250	3,252	3,544	3,843	

EST. 282+0,000



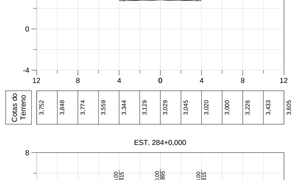
Cotas do Terreno											
3,081	2,940	2,799	2,662	2,737	2,780	2,695	2,797	3,065	3,133	3,335	

EST. 291+3,983



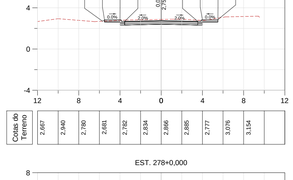
Cotas do Terreno											
				10,619	10,602						

EST. 283+0,000



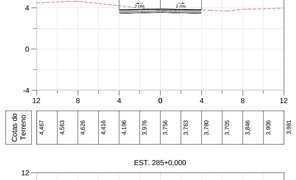
Cotas do Terreno											
3,752	3,848	3,774	3,559	3,344	3,129	3,029	3,045	3,020	3,000	3,226	3,605

EST. 277+0,000



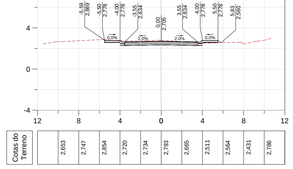
Cotas do Terreno											
2,667	2,940	2,780	2,681	2,762	2,834	2,866	2,866	2,777	3,076	3,154	

EST. 284+0,000



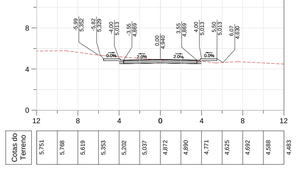
Cotas do Terreno											
4,487	4,563	4,626	4,416	4,196	3,976	3,756	3,763	3,760	3,755	3,846	3,956	3,981

EST. 278+0,000



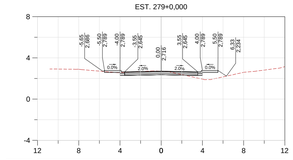
Cotas do Terreno											
2,653	2,747	2,664	2,720	2,734	2,793	2,686	2,611	2,564	2,431	2,786	

EST. 285+0,000



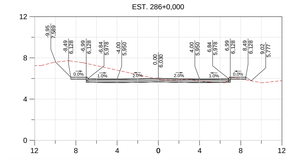
Cotas do Terreno											
5,751	5,766	5,619	5,393	5,320	5,197	4,972	4,990	4,771	4,625	4,692	4,686	4,483

EST. 279+0,000



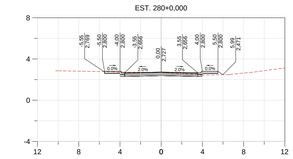
Cotas do Terreno											
2,818	2,869	2,716	2,575	2,677	2,714	2,962	1,942	2,451	2,599	2,818	3,154

EST. 286+0,000



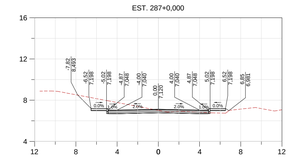
Cotas do Terreno											
7,248	7,584	7,637	7,251	6,810	6,370	5,929	5,885	5,773	5,650	5,966	5,994	5,794

EST. 280+0,000



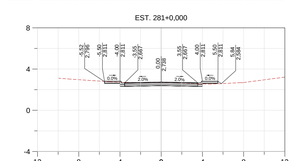
Cotas do Terreno											
2,650	2,814	2,777	2,717	2,710	2,465	2,990	2,446	2,471	2,629	2,661	3,121

EST. 287+0,000



Cotas do Terreno											
8,873	8,827	8,351	7,773	7,393	7,013	6,899	6,830	6,752	7,133	7,195	7,071

EST. 281+0,000



Cotas do Terreno											
2,966	2,829	2,723	2,588	2,691	2,634	2,556	2,630	2,692	2,652	3,212	

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

LEGENDA

- ÁREA DE CORTE
- ÁREA DE ATERRO
- TERRENO NATURAL
- DISTÂNCIA / COTA — LINHA DE CHAMADA

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núcleo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 09 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Diretriz: FRANCHAL

Escala: 1/1000

09/10

Órgão Solicitante: SEMOB

Desenhista: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos, Matrícula nº 4736

Assinatura:

Técnico do Núcleo: Ayne Saldanha Antunes Feitzardo, Engenheiro (a) Civil - CREA - RJ 2002101043

Assinatura:

Autor do Projeto: Ayne Saldanha Antunes Feitzardo, Engenheiro (a) Civil - CREA - RJ 2002101043

Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CARIMB)

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

VOLUMES GEOMÉTRICOS - RAMO 0

ESTACA	ÁREA DE ATERRO	ÁREA DE CORTE	VOLUME DE ATERRO	VOLUME DE CORTE	VOL.ACUMUL. DE ATERRO	VOL. ACUMUL. DE CORTE
EST.0+0,00	0.00	2.13	0.00	0.00	0.00	0.00
EST.1+0,00	0.46	1.40	4.73	34.02	4.73	34.02
EST.2+0,00	0.29	1.64	7.88	29.99	12.60	64.01
EST.3+0,00	0.57	3.26	8.80	48.79	21.41	112.80
EST.4+0,00	0.24	3.91	8.08	71.62	29.49	184.41
EST.5+0,00	0.01	2.89	2.45	67.88	31.94	252.30
EST.6+0,00	0.00	3.89	0.09	67.39	32.02	319.68
EST.7+0,00	0.00	3.87	0.03	77.49	32.05	397.17
EST.8+0,00	0.06	3.06	0.59	69.27	32.64	466.44
EST.9+0,00	0.24	3.10	2.96	61.53	35.60	527.98
EST.10+0,00	0.15	3.50	3.87	65.99	39.47	593.97
EST.11+0,00	0.05	3.37	1.99	68.73	41.46	662.70
EST.12+0,00	0.03	3.17	0.78	65.39	42.24	728.09
EST.13+0,00	0.13	2.83	1.59	59.94	43.83	788.04
EST.14+0,00	0.17	2.35	3.03	51.77	46.87	839.81
EST.15+0,00	0.00	3.97	1.76	63.22	48.62	903.03
EST.16+0,00	0.01	3.96	0.15	79.34	48.77	982.36
EST.17+0,00	0.19	2.79	1.96	67.57	50.73	1049.93
EST.18+0,00	0.11	3.39	2.93	61.81	53.66	1111.75
EST.19+0,00	0.43	1.89	5.40	52.82	59.06	1164.57
EST.20+0,00	0.91	2.63	13.46	45.25	72.52	1209.81
EST.21+0,00	2.01	1.91	29.28	45.38	101.80	1255.20
EST.22+0,00	0.67	1.01	26.87	29.14	128.68	1284.33
EST.23+0,00	0.53	3.02	12.04	40.27	140.71	1324.61
EST.24+0,00	2.07	2.69	26.03	57.16	166.75	1381.77
EST.25+0,00	1.15	1.25	32.19	39.39	198.94	1421.16
EST.26+0,00	1.45	0.74	25.96	19.86	224.90	1441.02
EST.27+0,00	1.15	0.51	26.03	12.49	250.93	1453.51
EST.28+0,00	1.29	0.60	24.45	11.05	275.38	1464.57
EST.29+0,00	1.98	0.16	32.77	7.57	308.15	1472.14
EST.30+0,00	1.45	0.51	34.39	6.72	342.53	1478.86
EST.31+0,00	0.63	2.40	20.89	29.09	363.42	1507.95
EST.32+0,00	0.60	3.13	12.37	55.31	375.79	1563.26
EST.33+0,00	0.75	2.78	13.52	59.18	389.32	1622.43
EST.34+0,00	0.48	2.83	12.29	56.13	401.60	1678.57
EST.35+0,00	0.62	2.15	10.98	49.76	412.59	1728.32
EST.36+0,00	0.88	1.51	14.98	36.59	427.56	1764.91
EST.37+0,00	3.18	1.38	40.62	28.94	468.18	1793.85
EST.38+0,00	0.10	2.01	32.86	33.90	501.04	1827.75
EST.39+0,00	0.65	1.97	7.48	39.75	508.51	1867.50
EST.40+0,00	2.33	1.35	29.79	33.20	538.31	1900.70
EST.41+0,00	3.82	1.40	61.56	27.53	599.87	1928.23
EST.42+0,00	2.01	1.17	58.37	25.68	658.23	1953.90
EST.43+0,00	1.45	1.58	34.62	27.50	692.85	1981.40
EST.44+0,00	0.58	2.14	20.28	37.18	713.14	2018.58
EST.45+0,00	0.33	2.82	9.15	49.58	722.29	2068.16
EST.46+0,00	0.15	3.51	4.80	63.35	727.09	2131.50
EST.47+0,00	0.05	4.15	1.95	76.64	729.04	2208.15
EST.48+0,00	0.02	4.11	0.65	82.58	729.69	2290.73
EST.49+0,00	0.03	3.78	0.45	78.89	730.14	2369.62
EST.50+0,00	0.06	3.98	0.84	77.58	730.98	2447.20
EST.51+0,00	0.00	4.31	0.56	82.85	731.54	2530.05
EST.52+0,00	0.37	2.74	3.73	70.45	735.27	2600.50
EST.53+0,00	0.74	1.56	11.12	43.01	746.39	2643.52
EST.54+0,00	1.03	0.81	17.67	23.71	764.07	2667.23
EST.55+0,00	1.18	0.53	22.11	13.33	786.17	2680.56
EST.56+0,00	1.12	1.22	23.07	17.50	809.24	2698.07
EST.57+0,00	1.46	3.48	25.87	47.06	835.11	2745.13
EST.58+0,00	0.79	4.14	22.51	76.25	857.62	2821.38
EST.59+0,00	1.77	5.26	25.59	94.06	883.20	2915.43
EST.60+0,00	0.03	4.77	17.99	100.33	901.20	3015.76
EST.61+0,00	0.09	3.89	1.17	86.64	902.36	3102.40
EST.62+0,00	0.00	5.55	0.87	94.40	903.24	3196.80
EST.63+0,00	0.00	6.78	0.00	123.23	903.24	3320.03
EST.64+0,00	0.00	5.58	0.00	123.53	903.24	3443.55
EST.65+0,00	0.00	4.81	0.00	103.87	903.24	3547.42
EST.66+0,00	0.00	3.40	0.01	82.08	903.24	3629.50
EST.67+0,00	0.00	3.05	0.02	64.45	903.27	3693.94
EST.68+0,00	0.00	3.53	0.06	65.73	903.33	3759.68
EST.69+0,00	0.01	3.06	0.14	65.84	903.47	3825.52
EST.70+0,00	0.01	3.97	0.23	70.32	903.70	3895.84
EST.71+0,00	0.00	4.10	0.13	80.69	903.82	3976.53
EST.72+0,00	0.01	3.48	0.14	75.74	903.97	4052.28
EST.73+0,00	0.00	3.70	0.17	71.74	904.13	4124.02
EST.74+0,00	0.02	3.31	0.21	70.02	904.35	4194.04
EST.75+0,00	0.02	3.21	0.37	65.19	904.71	4259.23
EST.76+0,00	0.00	3.53	0.18	67.47	904.90	4326.69
EST.77+0,00	0.01	4.56	0.07	80.98	904.97	4407.67
EST.78+0,00	0.03	4.38	0.35	89.44	905.32	4497.11
EST.79+0,00	0.01	3.45	0.41	78.28	905.73	4575.39

VOLUMES GEOMÉTRICOS - RAMO 0

ESTACA	ÁREA DE ATERRO	ÁREA DE CORTE	VOLUME DE ATERRO	VOLUME DE CORTE	VOL.ACUMUL. DE ATERRO	VOL. ACUMUL. DE CORTE
EST.80+0,00	0.03	3.12	0.39	65.68	906.11	4641.07
EST.81+0,00	0.04	2.59	0.69	57.10	906.80	4698.17
EST.82+0,00	0.07	2.52	1.12	51.11	907.92	4749.29
EST.83+0,00	0.12	2.38	1.85	49.00	909.77	4798.29
EST.84+0,00	0.17	1.76	2.81	41.39	912.58	4839.67
EST.85+0,00	0.33	1.96	4.97	37.17	917.55	4876.85
EST.86+0,00	0.30	2.40	6.34	43.57	923.90	4920.42
EST.87+0,00	0.28	2.50	5.80	48.97	929.69	4969.39
EST.88+0,00	0.01	2.82	2.88	53.22	932.58	5022.61
EST.89+0,00	0.01	3.02	0.19	58.40	932.77	5081.01
EST.90+0,00	0.03	3.14	0.35	61.59	933.12	5142.61
EST.91+0,00	0.03	3.58	0.61	67.26	933.73	5209.87
EST.92+0,00	0.02	3.86	0.50	74.46	934.23	5284.33
EST.93+0,00	0.01	3.64	0.25	75.02	934.48	5359.35
EST.94+0,00	0.00	3.94	0.09	75.79	934.56	5435.13
EST.95+0,00	0.00	5.53	0.00	94.74	934.56	5529.88
EST.96+0,00	0.00	4.52	0.00	100.58	934.56	5630.46
EST.97+0,00	0.26	2.39	2.63	69.17	937.19	5699.63
EST.98+0,00	5.53	2.63	57.93	50.19	995.12	5749.83
EST.99+0,00	4.12	2.52	96.55	51.48	1091.67	5801.31
EST.100+0,00	1.55	2.63	56.78	51.53	1148.45	5852.84
EST.101+0,00	0.06	2.64	16.13	52.67	1164.58	5905.51
EST.102+0,00	0.09	3.71	1.52	63.46	1166.09	5968.97
EST.103+0,00	0.12	3.71	2.07	74.21	1168.16	6043.18
EST.104+0,00	0.20	3.31	3.03	70.32	1171.19	6113.50
EST.105+0,00	0.33	2.56	4.82	59.16	1176.02	6172.66
EST.106+0,00	0.19	2.95	4.85	55.31	1180.86	6227.97
EST.107+0,00	0.09	2.78	2.81	57.21	1183.67	6285.18
EST.108+0,00	0.01	4.30	1.03	70.69	1184.70	6355.87
EST.109+0,00	0.07	3.28	0.81	75.55	1185.52	6431.43
EST.110+0,00	0.06	3.69	1.25	69.76	1186.77	6501.19
EST.111+0,00	0.22	3.01	2.76	66.97	1189.52	6568.16
EST.112+0,00	0.17	2.62	3.91	56.25	1193.44	6624.41
EST.113+0,00	0.03	4.26	1.96	68.64	1195.40	6693.05
EST.114+0,00	0.00	4.36	0.30	85.92	1195.70	6778.98
EST.115+0,00	0.00	5.92	0.00	102.36	1195.70	6881.34
EST.116+0,00	0.00	7.84	0.00	137.12	1195.70	7018.46
EST.117+0,00	0.02	6.06	0.21	138.94	1195.91	7157.40
EST.118+0,00	0.05	4.64	0.69	106.95	1196.60	7264.35
EST.119+0,00	0.03	3.75	0.79	83.91	1197.39	7348.26
EST.120+0,00	0.07	3.55	0.97	73.04	1198.36	7421.30
EST.121+0,00	0.02	3.35	0.85	69.02	1199.21	7490.33
EST.122+0,00	0.09	2.92	1.05	62.74	1200.26	7553.07
EST.123+0,00	0.02	2.93	1.06	58.55	1201.32	7611.61
EST.124+0,00	0.01	3.29	0.33	62.22	1201.65	7673.83
EST.125+0,00	0.12	2.79	1.33	60.81	1202.98	7734.65
EST.126+0,00	1.82	0.00	19.45	27.90	1222.43	7762.54
EST.127+0,00	5.54	0.00	73.65	0.00	1296.08	7762.54
EST.128+0,00	3.35	0.50	88.89	5.03	1384.97	7767.57
EST.129+0,00	6.13	1.94	94.77	24.40	1479.75	7791.97
EST.130+0,00	5.82	0.00	119.52	19.37	1599.26	7811.34
EST.131+0,00	3.20	0.00	90.21	0.00	1689.48	7811.34
EST.132+0,00	0.19	2.21	33.87	22.08	1723.35	7833.42
EST.133+0,00	0.00	4.80	1.90	70.11	1725.25	7903.53
EST.134+0,00	0.05	2.58	0.46	73.80	1725.71	7977.34
EST.135+0,00	0.01	2.00	0.51	45.77	1726.22	8023.11
EST.136+0,00	0.10	1.85	1.11	38.48	1727.33	8061.59
EST.137+0,00	0.09	2.59	2.01	44.29	1729.34	8105.88
EST.138+0,00	0.21	2.96	3.10	55.13	1732.44	8161.01
EST.139+0,00	0.06	3.06	2.77	59.83	1735.20	8220.84
EST.140+0,00	0.01	3.05	0.74	61.10	1735.94	8281.94
EST.141+0,00	0.10	2.38	1.14	54.33	1737.08	8336.27
EST.142+0,00	0.00	4.00	1.02	63.92	1738.11	8400.19
EST.143+0,00	0.00	4.08	0.00	80.84	1738.11	8481.03
EST.144+0,00	0.00	3.76	0.00	78.26	1738.11	8559.29
EST.145+0,00	0.00	3.50	0.03	72.64	1738.13	8631.93
EST.146+0,00	0.01	3.15	0.16	66.50	1738.29	8698.44
EST.147+0,00	0.03	2.59	0.48	57.39	1738.77	8755.83
EST.148+0,00	0.00	4.51	0.35	71.00	1739.12	8826.83
EST.149+0,00	0.00	4.42	0.01	89.29	1739.12	8916.13
EST.150+0,00	0.01	2.23	0.11	66.51	1739.23	8982.64
EST.151+0,00	0.00	3.01	0.10	52.38	1739.33	9035.02
EST.152+0,00	0.01	3.11	0.07	61.14	1739.40	9096.16
EST.153+0,00	0.06	2.33	0.71	54.28	1740.11	9150.44
EST.154+0,00	0.05	2.52	1.19	48.46	1741.30	9198.90
EST.155+0,00	0.01	2.98	0.69	55.10	1741.99	9253.99
EST.156+0,00	0.10	2.33	1.14	53.21	1743.13	9307.20
EST.157+0,00	0.43	1.99	5.36	43.22	1748.49	9350.42
EST.158+0,00	0.45	1.70	8.88	36.82	1757.37	9387.24
EST.159+0,00	0.18	1.74	6.30	34.28	1763.67	9421.53

VOLUMES GEOMÉTRICOS - RAMO 0

ESTACA	ÁREA DE ATERRO	ÁREA DE CORTE	VOLUME DE ATERRO	VOLUME DE CORTE	VOL.ACUMUL. DE ATERRO	VOL. ACUMUL. DE CORTE
EST.160+0,00	0.07	2.07	2.41	38.15	1766.09	9459.68
EST.161+0,00	0.15	2.29	2.12	43.68	1768.21	9503.36
EST.162+0,00	0.13	1.77	2.75	40.62	1770.96	9543.98
EST.163+0,00	0.80	1.00	9.32	27.68	1780.28	9571.66
EST.164+0,00	1.03	0.91	18.37	19.12	1798.65	9590.78
EST.165+0,00	1.22	1.54	22.57	24.57	1821.22	9615.34
EST.166+0,00	0.64	1.91	18.64	34.56	1839.86	9649.90
EST.167+0,00	0.57	2.03	12.13	39.36	1851.99	9689.26
EST.168+0,00	0.17	2.71	7.41	47.38	1859.40	9736.64
EST.169+0,00	0.13	3.15	2.97	58.61	1862.37	9795.26
EST.170+0,00	0.09	3.29	2.19	64.31	1864.56	9859.57
EST.171+0,00	0.00	3.88	0.93	71.60	1865.50	9931.17
EST.172+0,00	0.00	4.79	0.02	86.73	1865.52	10017.90
EST.173+0,00	0.00	5.59	0.03	103.90	1865.54	10121.80
EST.174+0,00	0.02	5.76	0.24	113.63	1865.78	10235.43
EST.175+0,00	0.01	7.00	0.33	127.61	1866.11	10363.04
EST.176+0,00	0.00	5.09	0.12	120.88	1866.23	10483.92
EST.177+0,00	0.02	4.21	0.18	92.97	1866.40	10576.89
EST.178+0,00	0.05	3.96	0.66	81.72	1867.07	10658.61
EST.179+0,00	0.01	4.55	0.62	85.14	1867.69	10743.75
EST.180+0,00	0.05	5.02	0.64	95.69	1868.33	10839.44
EST.181+0,00	0.01	4.33	0.59	93.77	1868.91	10933.22
EST.182+0,00	0.00	4.39	0.12	87.80	1869.03	11021.01
EST.183+0,00	0.00	4.77	0.03	92.20	1869.06	11113.21
EST.184+0,00	0.00	6.52	0.00	113.40	1869.06	11226.61
EST.185+0,00	0.00	11.16	0.00	176.90	1869.06	11403.51
EST.186+0,00	0.00	5.23	0.00	163.83	1869.06	11567.34
EST.187+0,00	0.05	4.76	0.48	99.99	1869.54	11667.33
EST.188+0,00	0.01	3.77	0.59	85.41	1870.13	11752.74
EST.189+0,00	0.01	5.12	0.17	88.96	1870.30	11841.70
EST.190+0,00	0.00	5.67	0.07	107.99	1870.36	11949.69
EST.191+0,00	0.76	3.53	7.61	92.02	1877.98	12041.71
EST.192+0,00	1.11	2.20	18.79	57.28	1896.77	12098.99
EST.193+0,00	2.85	2.02	39.83	42.22	1936.60	12141.21
EST.194+0,00	0.13	2.49	29.90	45.17	1966.50	12186.38
EST.195+0,00	0.12	2.53	2.43	50.19	1968.93	12236.57
EST.196+0,00	0.00	3.67	1.19	61.89	1970.12	12298.46
EST.197+0,00	0.00	4.90	0.00	85.67	1970.12	12384.13
EST.198+0,00	0.12	5.12	1.16	100.35	1971.29	12484.48
EST.199+0,00	0.15	7.14	2.70	122.87	1973.99	12607.36
EST.200+0,00	0.00	7.47	1.54	146.39	1975.52	12753.75
EST.201+0,00	0.31	6.11	3.09	136.10	1978.62	12889.84
EST.202+0,00	0.20	5.57	5.04	117.12	1983.65	13006.96
EST.203+0,00	0.16	5.79	3.56	113.89	1987.21	13120.85
EST.204+0,00	0.23	5.30	3.89	111.20	1991.10	13232.05
EST.205+0,00	0.31	3.46	5.40	87.63	1996.50	13319.68
EST.206+0,00	0.32	3.32	6.34	67.80	2002.84	13387.48
EST.207+0,00	0.15	4.58	4.73	79.00	2007.57	13466.47
EST.208+0,00	0.00	8.85	1.50	134.31	2009.07	13600.79
EST.209+0,00	0.00	12.86	0.00	216.47	2009.07	13817.26
EST.210+0,00	0.00	7.69	0.00	204.34	2009.07	14021.60
EST.211+0,00	0.00	5.85	0.00	134.78	2009.07	14156.38
EST.212+0,00	0.00	4.61	0.00	104.53	2009.07	14260.91
EST.213+0,00	0.00	4.00	0.00	86.07	2009.07	14346.98
EST.214+0,00	0.00	4.27	0.00	81.90	2009.07	14428.88
EST.215+0,00	0.03	4.80	0.27	90.29	2009.35	14519.17
EST.216+0,00	0.00	3.83	0.27	85.96	2009.62	14605.13
EST.217+0,00	0.01	2.67	0.09	64.85	2009.71	14669.98
EST.218+0,00	0.53	2.17	5.44	48.39	2015.15	14718.38
EST.219+0,00	1.61	4.19	21.45	63.53	2036.61	14781.91
EST.220+0,00	0.19	3.41	18.01	75.93	2054.62	14857.84
EST.221+0,00	0.05	3.27	2.41	66.77	2057.03	14924.62
EST.222+0,00	0.29	2.72	3.38	59.90	2060.40	14984.51
EST.223+0,00	0.54	2.89	8.32	56.10	2068.72	15040.61
EST.224+0,00	0.68	3.64	12.20	65.35	2080.92	15105.96
EST.225+0,00	0.22	5.35	9.00	89.89	2089.92	15195.85
EST.226+0,00	0.04	6.44	2.68	117.84	2092.60	15313.69
EST.227+0,00	0.00	4.54	0.44	109.47	2093.04	15423.17
EST.228+0,00	0.02	3.81	0.22	83.27	2093.26	15506.43
EST.229+0,00	0.00	5.95	0.22	97.34	2093.48	15603.78
EST.230+0,00	0.00	8.78	0.00	147.29	2093.48	15751.07
EST.231+0,00	0.00	10.67	0.00	192.29	2093.48	15943.35
EST.232+0,00	0.17	5.93	1.76	164.60	2095.24	16107.95
EST.233+0,00	0.07	3.85	2.39	97.86	2097.63	16205.81
EST.234+0,00	0.00	7.77	0.73	116.23	2098.35	16322.04
EST.235+0,00	0.00	4.61	0.03	123.85	2098.38	16445.90
EST.236+0,00	0.00	4.55	0.00	91.62	2098.38	16537.52
EST.237+0,00	0.00	4.29	0.00	88.35	2098.38	16625.87
EST.238+0,00	0.00	5.90	0.00	101.85	2098.38	16727.72
EST.239+0,00	0.00	5.74	0.00	116.39	2098.38	16844.11

VOLUMES GEOMÉTRICOS - RAMO 0

ESTACA	ÁREA DE ATERRO	ÁREA DE CORTE	VOLUME DE ATERRO	VOLUME DE CORTE	VOL.ACUMUL. DE ATERRO	VOL. ACUMUL. DE CORTE
EST.240+0,00	0.00	6.05	0.00	117.87	2098.38	16961.98
EST.241+0,00	0.03	3.93	0.33	99.71	2098.71	17061.70
EST.242+0,00	0.00	3.83	0.36	77.58	2099.07	17139.28
EST.243+0,00	0.00	4.15	0.04	79.82	2099.11	17219.10
EST.244+0,00	0.00	6.47	0.02	106.24	2099.13	17325.34
EST.245+0,00	0.00	7.94	0.00	144.10	2099.13	17469.44
EST.246+0,00	0.00	9.46	0.00	173.94	2099.13	17643.37
EST.247+0,00	0.00	7.82	0.00	173.55	2099.13	17816.92
EST.248+0,00	0.46	1.10	4.13	90.12	2103.26	17907.04
EST.249+0,00	0.90	0.10	12.39	12.47	2115.65	17919.51
EST.250+0,00	1.19	0.24	20.87	3.42	2136.52	17922.93
EST.251+0,00	0.90	1.15	20.92	13.93	2157.45	17936.86
EST.252+0,00	1.67	1.47	25.68	26.23	2183.13	17963.09
EST.253+0,00	0.84	2.68	25.09	41.56	2208.22	18004.64
EST.254+0,00	0.56	2.37	14.03	50.53	2222.25	18055.17
EST.255+0,00	0.07	2.34	6.30	47.11	2228.54	18102.28
EST.256+0,00	0.21	2.07	2.78	44.13	2231.33	18146.41
EST.257+0,00	0.00	3.90	2.08	59.68	2233.40	18206.09
EST.258+0,00	0.00	4.30	0.00	82.01	2233.40	18288.10
EST.259+0,00	0.00	6.44	0.00	107.40	2233.40	18395.51
EST.260+0,00	0.18	2.67	1.83	91.11	2235.23	18486.62
EST.261+0,00	0.87	1.02	10.56	36.96	2245.79	18523.58
EST.262+0,00	0.43	2.30	13.05	33.23	2258.84	18556.81
EST.263+0,00	0.03	4.03	4.65	63.29	2263.50	18620.10
EST.264+0,00	0.02	4.37	0.49	84.01	2263.99	18704.11
EST.265+0,00	0.00	6.79	0.16	111.64	2264.15	18815.76
EST.266+0,00	0.34	3.66	3.45	104.48	2267.59	18920.24
EST.267+0,00	1.93	1.86	22.76	55.16	2290.36	18975.40
EST.268+0,00	0.00	4.29	19.31	61.54	2309.67	19036.94
EST.269+0,00	0.00	6.15	0.00	104.47	2309.67	19141.41
EST.270+0,00	0.00	5.23	0.00	113.84	2309.67	19255.25
EST.271+0,00	0.00	2.98	0.00	82.15	2309.67	19337.40
EST.272+0,00	0.36	3.16	3.58	61.47	2313.25	19398.87
EST.273+0,00	0.03	3.72	3.83	68.78	2317.09	19467.65
EST.274+0,00	0.00	5.19	0.25	89.06	2317.34	19556.72
EST.275+0,00	0.00	4.83	0.00	100.10	2317.34	19656.82
EST.276+0,00	0.00	4.59	0.00	94.20	2317.34	19751.02
EST.277+0,00	0.01	4.42	0.11	90.16	2317.45	19841.17
EST.278+0,00	0.11	3.41	1.18	78.36	2318.63	19919.53
EST.279+0,00	1.60	1.91	17.07	53.23	2335.70	19972.76
EST.280+0,00	0.30	2.66	19.00	45.64	2354.69	20018.40
EST.281+0,00	0.14	2.73	4.38	53.90	2359.07	20072.30
EST.282+0,00	0.04	2.92	1.78	56.51	2360.85	20128.81
EST.283+0,00	0.11	3.18	1.43	60.97	2362.28	20189.78
EST.284+0,00	0.00	2.91	1.06	60.83	2363.33	20250.61
EST.285+0,00	0.34	4.01	3.36	69.12	2366.69	20319.73
EST.286+0,00	0.09	12.36	4.30	163.68	2370.99	20483.41
EST.287+0,00	0.44	6.95	5.32	193.12	2376.31	20676.53
EST.288+0,00	0.22	5.44	6.59	123.87	2382.91	20800.40
EST.289+0,00	0.15	3.87	3.75	93.07	2386.66	20893.47
EST.290+0,00	0.00	7.08	1.53	109.53	2388.20	21003.00
EST.291+0,00	0.07	3.42	0.73	105.03	2388.93	21108.03
EST.291+3,98	0.00	2.19	0.15	11.16	2389.08	21119.19

DOCUMENTOS DE REFERÊNCIA

1) DE-NGA-PMI.EPE-GEP-001 A 010

NOTAS GERAIS

1) TODAS AS DIMENSÕES ESTÃO EM METROS, EXCETO QUANDO INDICADO DE OUTRA FORMA;
2) ESTACA A CADA 20m;
3) COORDENADAS EM METRO.

Revisão	Data	Descrição	Aprovação
00	27/05/2024	Emissão Inicial	

SECRETARIA MUNICIPAL DE OBRAS
Núdeo de Projetos

PROJETO DE TERRAPLENAGEM - SEÇÕES TRANSVERSAIS - PARTE 10 DE 10

DATA: Jun/2024

Local: ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Distrito: ITAMBI

Assunto: PROJETO EXECUTIVO DE PAVIMENTAÇÃO DA ESTR. PREF. JOÃO B. CÁFFARO E AV. ESPERANÇA - ITABORAÍ - RJ

Escala: 1/1000

10/10

Órgão Solicitante: SEMOB

Responsável: Luis Claudio Carvalho dos Santos

Secretário Municipal de Obras: Diogo Sperling dos Santos
Matrícula nº 44736

Assinatura:

Gestão de Núcleo: Alyne Saldanha Antunes Feitzardo
Engenheira (a) Civil - CREA - RJ 2002100343

Assinatura:

Autor do Projeto: Alyne Saldanha Antunes Feitzardo
Engenheira (a) Civil - CREA - RJ 2002100343

Assinatura:

DE-NGA-PMI.EPE-TER-001 A 010_R0 (CAPA66)

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