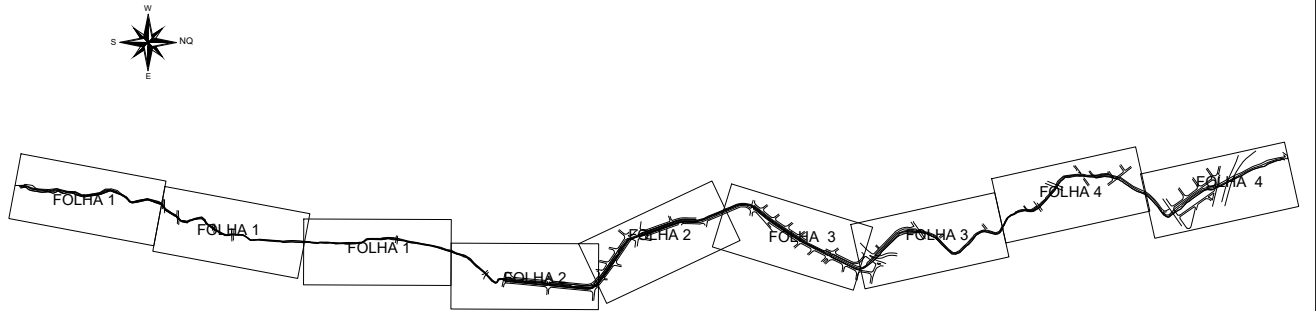


MAPA DE LOCALIZAÇÃO



RIO PIRAQUARA

ARTICULAÇÃO DAS FOLHAS



LEGENDA

- RUAS
- EDIFICAÇÃO
- PERFIS TRANSVERSAIS
- CRISTA DE TALUDE
- ÁREA ASSOREADA
- ÁRVORE
- CURVA DE NÍVEL MESTRA
- CURVA DE NÍVEL
- PERFIS LONGITUDINAIS
- PÉ DE TALUDE
- POSTE
- EIXO DO RIO

NOTAS

- 1- DIMENSÕES EM METRO, EXCETO ONDE INDICADO  
2- DATUM HORIZONTAL : SIRGAS  
3- DATUM VERTICAL : MARÉGRAFO DE IMBITUBA - S.C.  
4- PROJEÇÃO UTM MERIDIANO CENTRAL 45°W.Gr.  
5- LEVANTAMENTO TOPOGRÁFICO REALIZADO EM FEVEREIRO 2023.

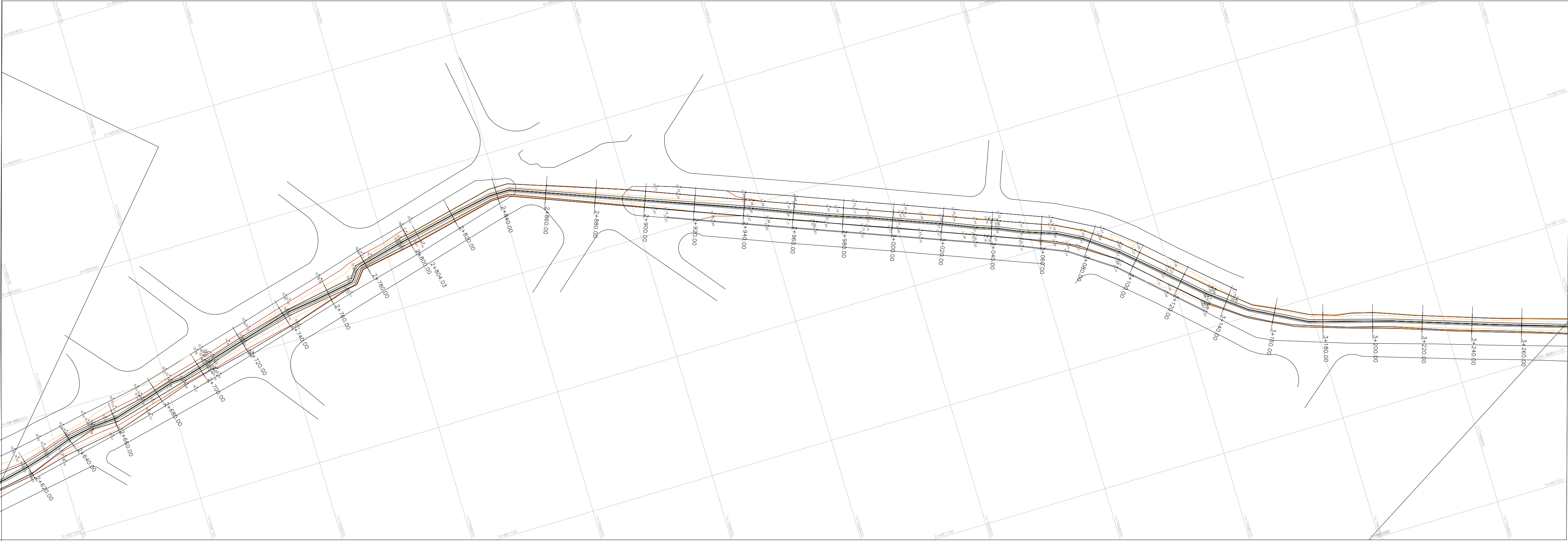
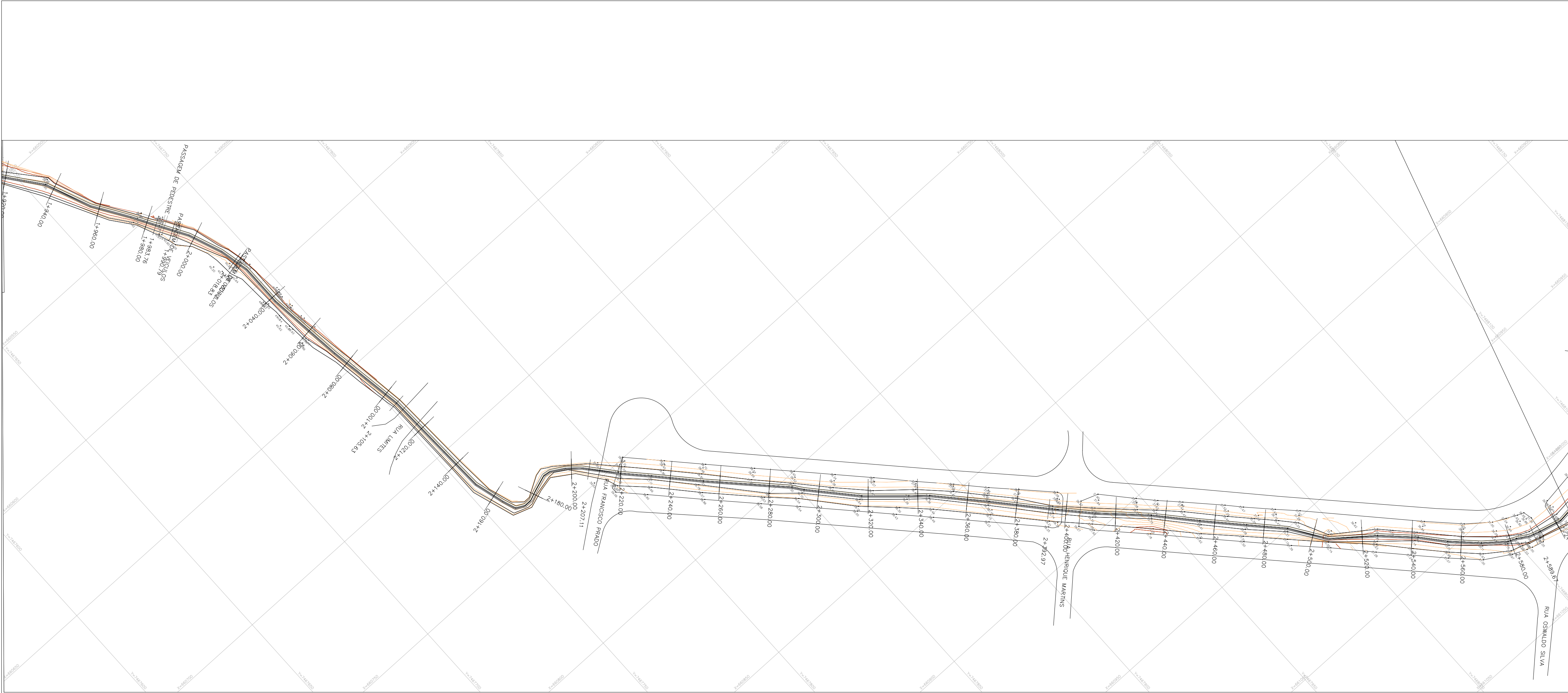
R-0	08/05/2023	EMISSÃO INICIAL
Emissão	Data	Descrição

ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO  
PLANIALTIMÉTRICO

CONSORCIO APOIO TÉCNICO DBRAM		RESP. TÉCNICO: CREA RJ 041 ALBERTO JOSÉ MARIN AMBICORIA RJ 38019001	FOLHA 01/28
		PROJETISTA: CREA RJ 041 ALBERTO JOSÉ MARIN AMBICORIA RJ 38019001	
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B001-DE-R0	ESCALA 1/1000





MAPA DE LOCALIZAÇÃO

Google Earth

RIO PIRAQUARA

ARTICULAÇÃO DAS FOLHAS

LEGENDA

RUAS

EDIFICAÇÃO

PERFIS TRANSVERSAIS

CRISTA DE TALUDE

ÁREA ASSOREADA

ARVORE

CURVA DE NÍVEL MESTRA

CURVA DE NÍVEL

PERFIS LONGITUDINAIS

PÉ DE TALUDE

POSTE

EIXO DO RIO

NOTAS

1- DIMENSÕES EM METRO, EXCETO ONDE INDICADO

2- DATUM HORIZONTAL : SIRGAS

3- DATUM VERTICAL : MARÉGRAFO DE IMBITUBA - S.C.

4- PROJEÇÃO UTM MERIDIANO CENTRAL 45°W.Gr.

5- LEVANTAMENTO TOPOGRÁFICO REALIZADO EM FEVEREIRO 2023.

R-0	08/05/2023	EMISSÃO INICIAL
Emissão	Data	Descrição

Secretaria de Ambiente e Sustentabilidade

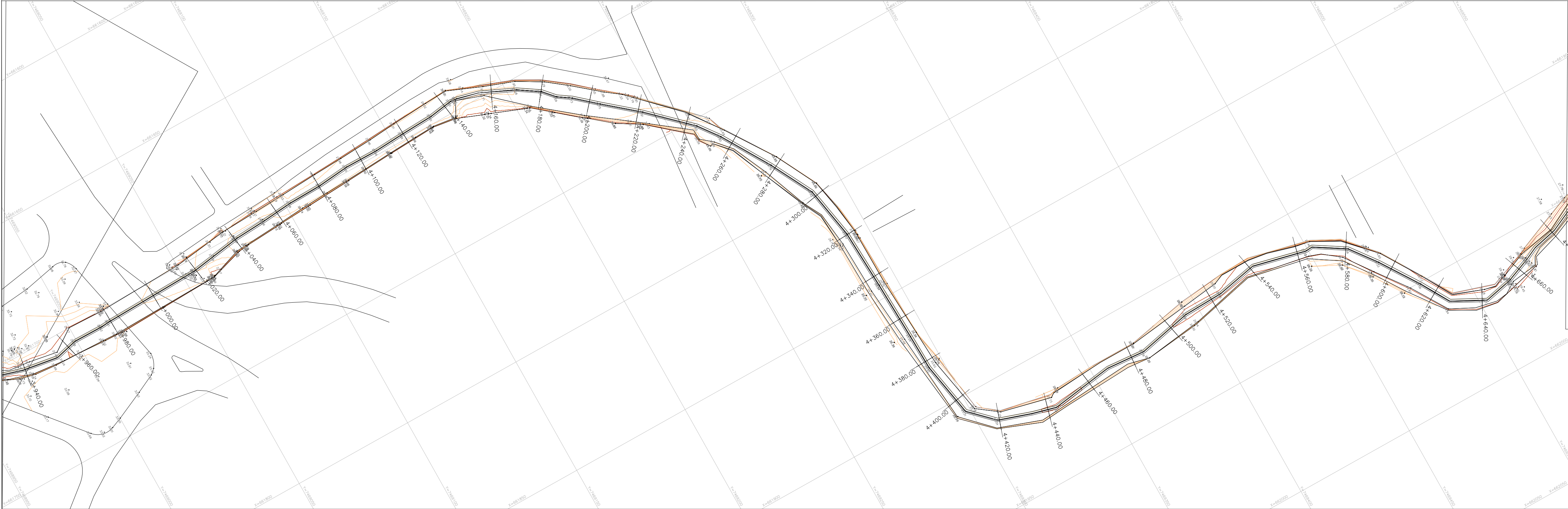
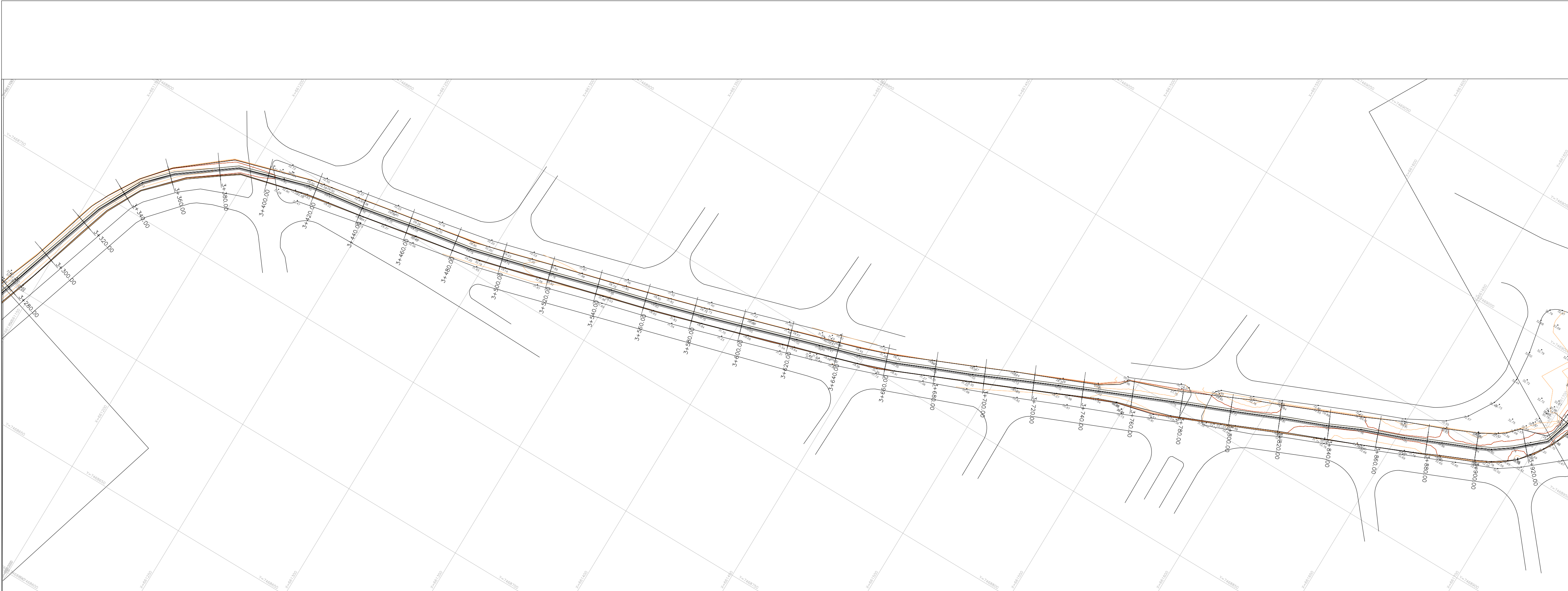
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO PLANIALTIMÉTRICO

CONSELHO APOIO TÉCNICO DBRAM	RESP. TÉCNICO : CREA RJ 0401 ALBERTO JOSÉ MARIN ABREIRA RJ 380190001	FOLHA
	PROJETISTA : CREA RJ 0401 ALBERTO JOSÉ MARIN ABREIRA RJ 380190001	02/28
	APROVADOR : CREA RJ 0401 JOSÉ AUGUSTO CAPRICHOSI RJ 38.516.0	

DATA	AUTOR/IDENT.	NÚMERO DO DESENHO	ESCALA
08/05/2023	RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	DRM-BBGB-PRJ-PRQ-1-CCA-B002-DE-R0	1/1000





MAPA DE LOCALIZAÇÃO

ARTICULAÇÃO DAS FOLHAS

LEGENDA

RUAS

EDIFICAÇÃO

PERFIS TRANSVERSAIS

CRISTA DE TALUDE

ÁREA ASSOREADA

ARVORE

CURVA DE NÍVEL MESTRA

CURVA DE NÍVEL

PERFIS LONGITUDINAIS

PÉ DE TALUDE

POSTE

EIXO DO RIO

NOTAS

1- DIMENSÕES EM METRO, EXCETO ONDE INDICADO

2- DATUM HORIZONTAL : SIRGAS

3- DATUM VERTICAL : MARÉGRAFO DE IMBITUBA - S.C.

4- PROJEÇÃO UTM MERIDIANO CENTRAL 45°W.Gr.

5- LEVANTAMENTO TOPOGRÁFICO REALIZADO EM FEVEREIRO 2023.

R-0	08/05/2023	EMISSÃO INICIAL
Emissão	Data	Descrição

Secretaria de Ambiente e Sustentabilidade

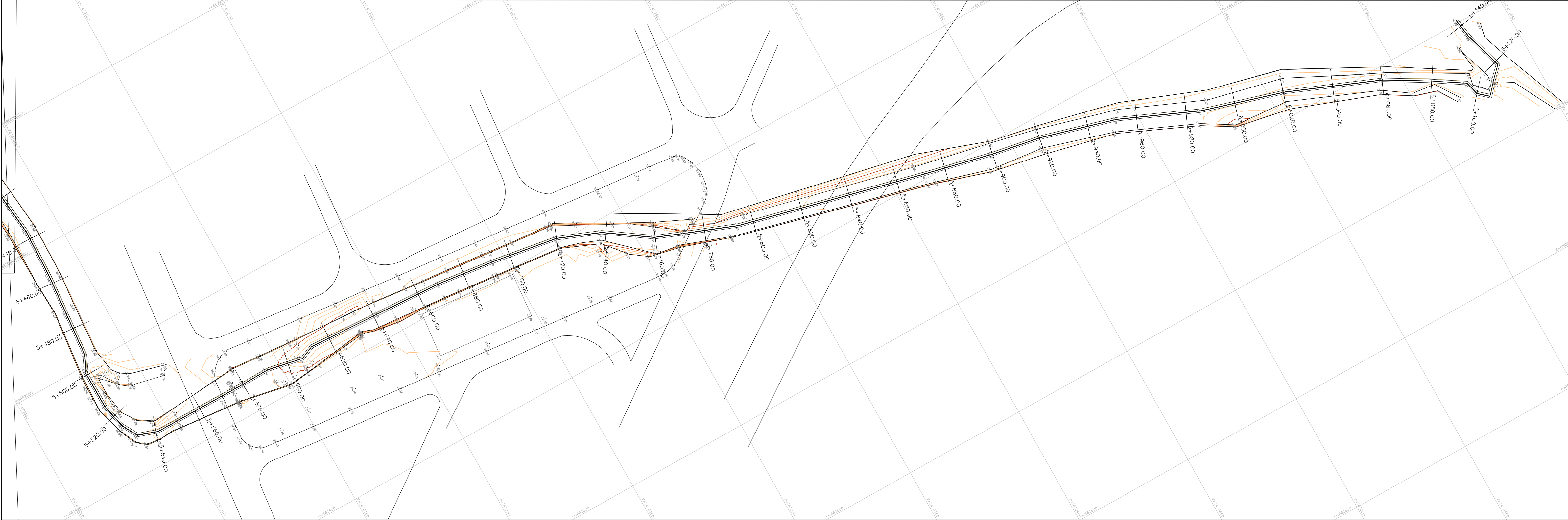
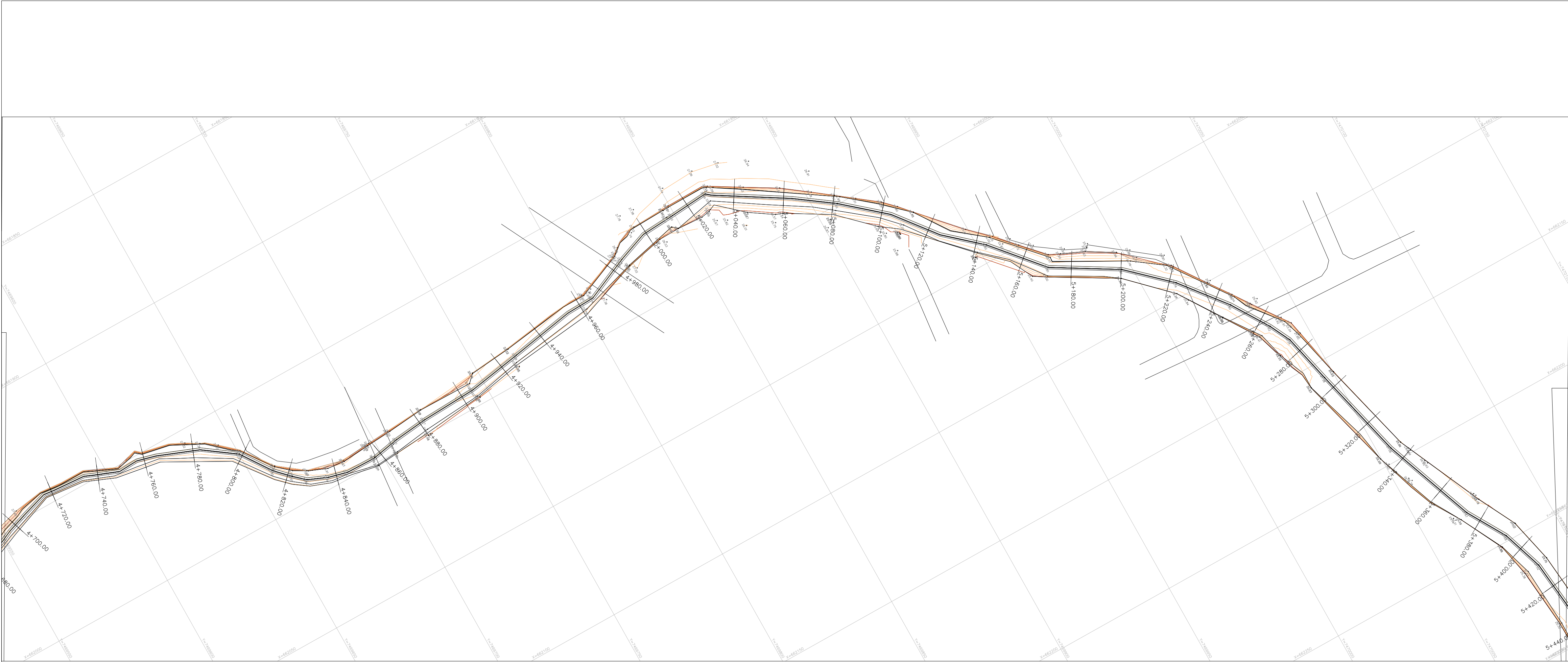
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO PLANIALTIMÉTRICO

CONSORCIO APOIO TÉCNICO DBRAM		RESP. TÉCNICO : CREA RJ 041 ALBERTO JOSÉ MARINI AMBICREA RJ 38019001		FOLHA
PROJETISTA : CREA RJ 041 ALBERTO JOSÉ MARINI AMBICREA RJ 38019001		APROVADOR : CREA RJ 041 JOSÉ AUGUSTO CARPINO CREA RJ 3815160		
DATA	AUTOR/IDENT.	NÚMERO DO DESENHO	ESCALA	
08/05/2023	RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	DRM-BBGB-PRJ-PRQ-1-CCA-B003-DE-R0	1/1000	

03/35





MAPA DE LOCALIZAÇÃO

ARTICULAÇÃO DAS FOLHAS

LEGENDA

RUAS

EDIFICAÇÃO

PERFIS TRANSVERSAIS

CRISTA DE TALUDE

ÁREA ASSOREADA

ARVORE

CURVA DE NÍVEL MESTRA

CURVA DE NÍVEL

PERFIS LONGITUDINAIS

PÉ DE TALUDE

POSTE

EIXO DO RIO

NOTAS

1- DIMENSÕES EM METRO, EXCETO ONDE INDICADO

2- DATUM HORIZONTAL : SIRGAS

3- DATUM VERTICAL : MARÉGRAFO DE IMBITUBA - S.C.

4- PROJEÇÃO UTM MERIDIANO CENTRAL 45°W.Gr.

5- LEVANTAMENTO TOPOGRÁFICO REALIZADO EM FEVEREIRO 2023.

Secretaria de Ambiente e Sustentabilidade

GOVERNO DO ESTADO

RIO DE JANEIRO

ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

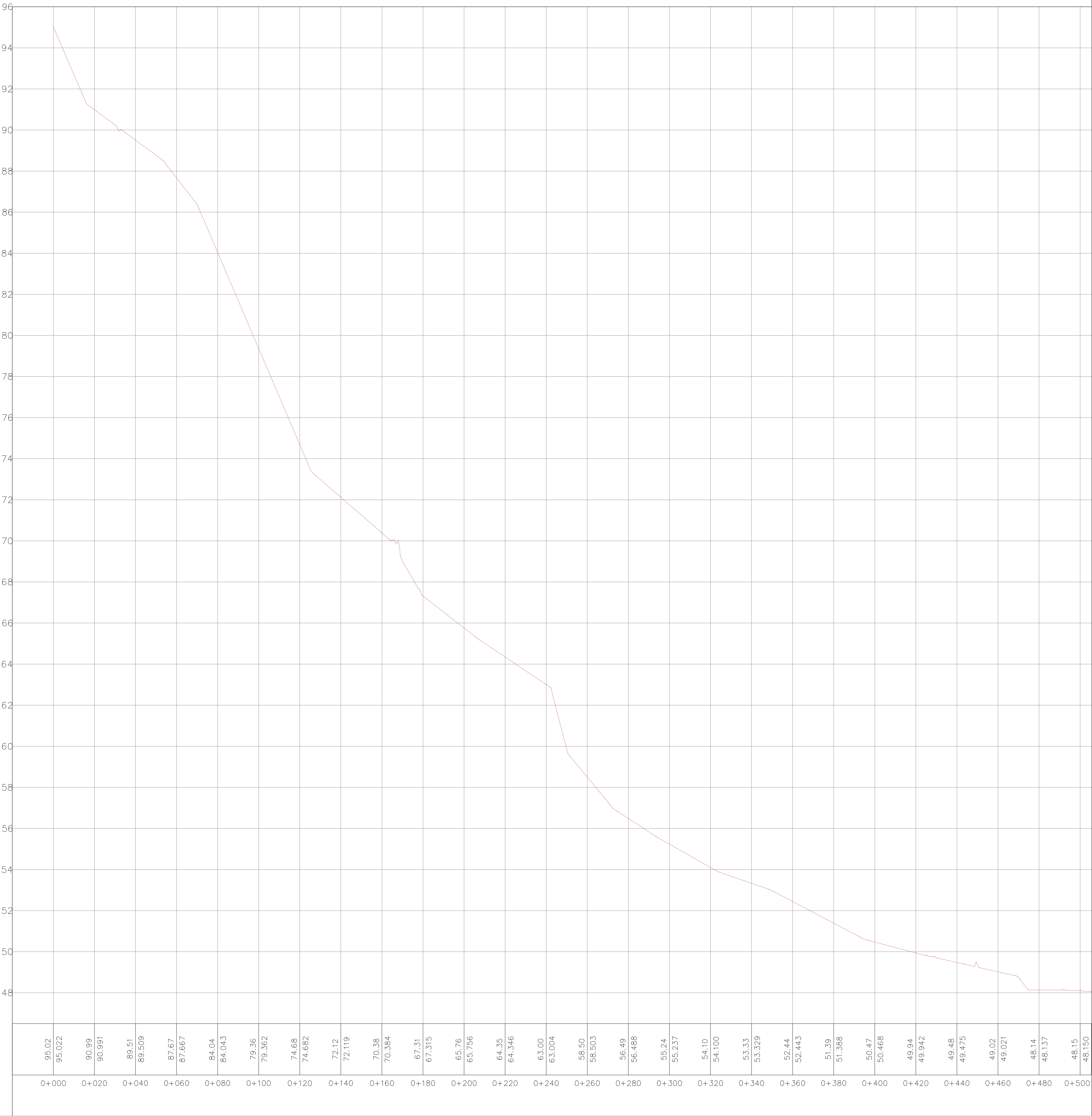
LEVANTAMENTO TOPOGRÁFICO  
PLANIALTIMÉTRICO

CONSORCIO APOIO TÉCNICO DBRAM	RESP. TÉCNICO : CREA RJ 041 ALBERTO JOSÉ MARINI AMBICREA RJ 202190051	FOLHA
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	APROVADOR : CREA RJ 041 JOSE AUGUSTO CARPINO CREA RJ 30.516.0	

DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B004-DE-R0	ESCALA 1/1000
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RIO PIRAQUARA 1/11



LEGENDA

TERRENO NATURAL

NOTAS

1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.

DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição

instituto estadual do ambiente

Secretaria de Ambiente e Sustentabilidade

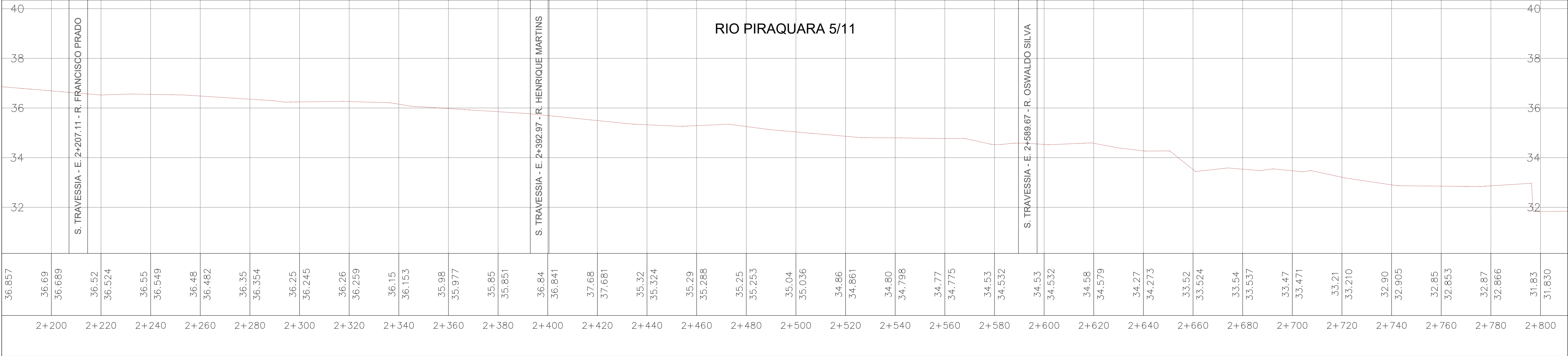
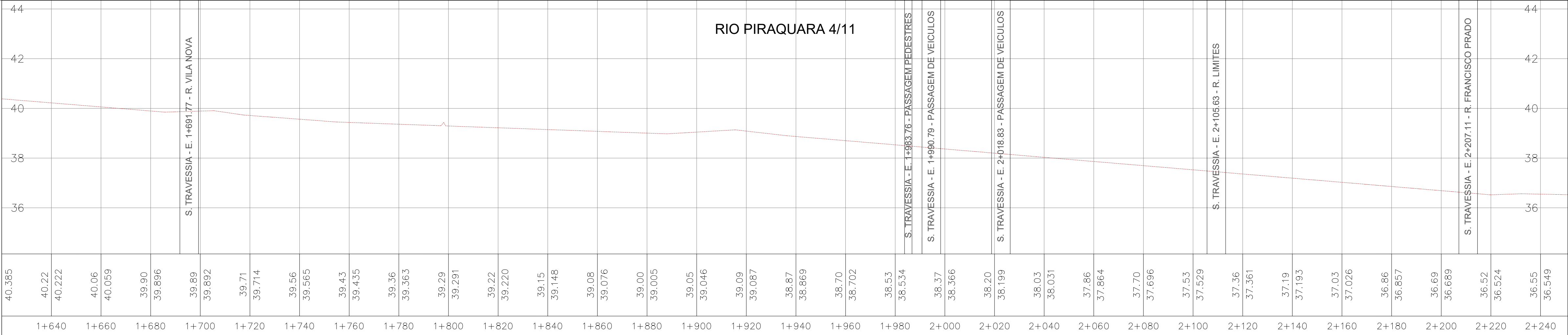
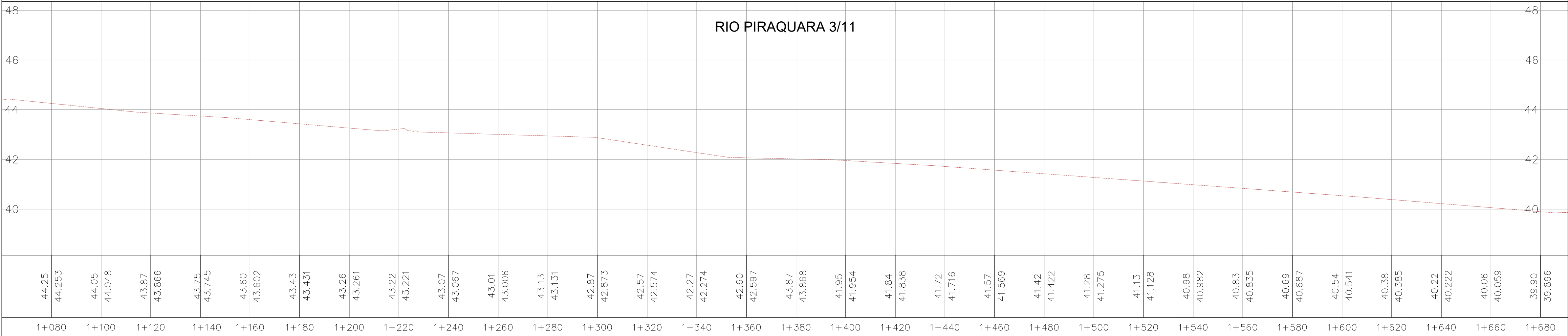
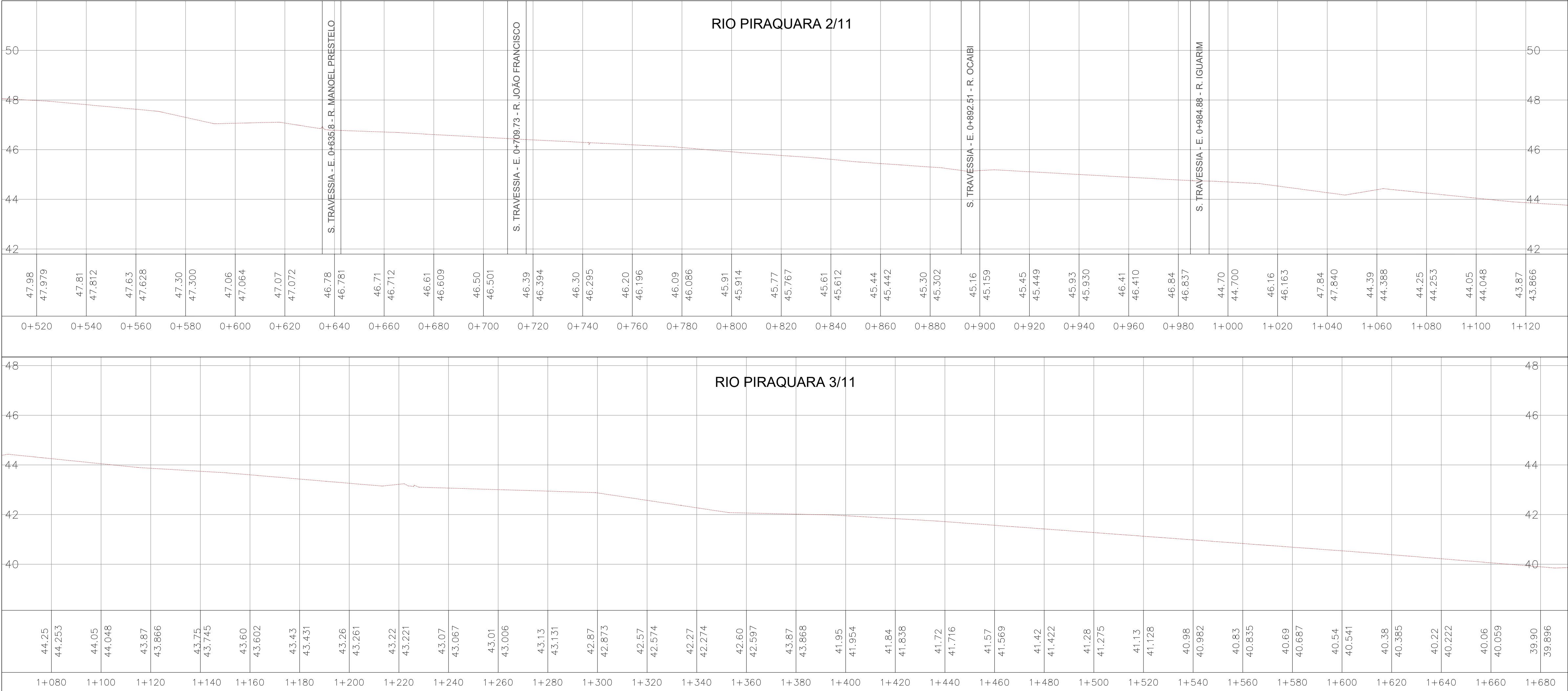
GOVERNO DO ESTADO RIO DE JANEIRO

Rio2030

ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO  
PERFIL LONGITUDINAL - RIO PIRAQUARA

CONSORCIO APONTO TÉCNICO DEBIBAM	RESP. TÉCNICO: CREA RJ CAU ALBERTO JOSÉ MARINHO AMARAL CREA RJ 203100201	FOLHA 05/28
	PROJETISTA: CREA RJ CAU ALBERTO JOSÉ MARINHO AMARAL CREA RJ 203100201 APROVADOR: CREA RJ CAU JOSÉ AUGUSTO GASTRO CREA RJ 3631940	
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B005-DE-R0
		ESCALA H=1:1000 V=1:100



LEGENDA

TERRENO NATURAL

NOTAS

1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.

DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição

inea

instituto estadual do ambiente

Secretaria de Ambiente e Sustentabilidade

GOVERNO DO ESTADO

RIO DE JANEIRO

Rio20

PARQUE DAS ÁGUAS

ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO

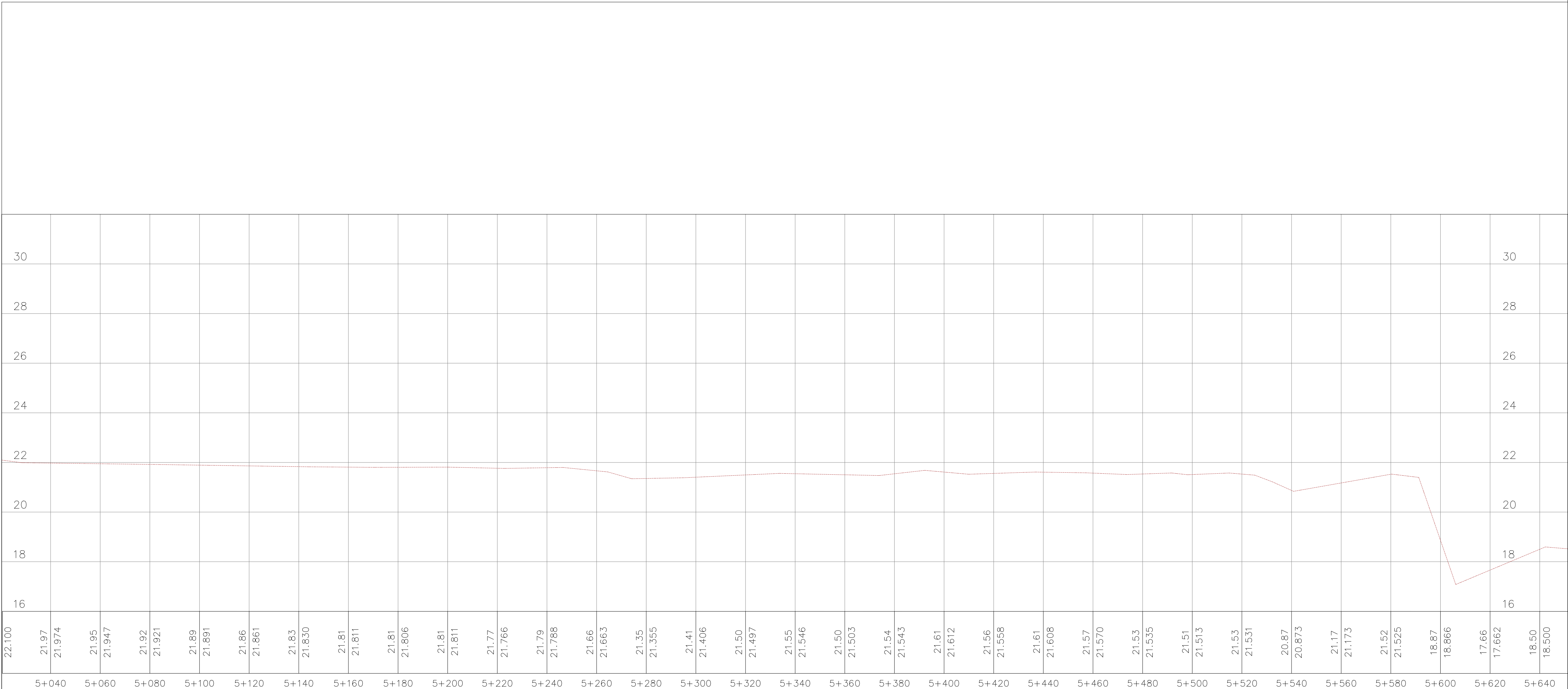
PERFIL LONGITUDINAL - RIO PIRAQUARA

CONSORCIO APONTO TÉCNICO DEBIBAM	RESP. TÉCNICO: CREA OU CAU ALBERTO JOSÉ MARINHO AMBICREIA RJ 202106201	FOLHA
cobrape	PROJETISTA: CREA OU CAU ALBERTO JOSÉ MARINHO AMBICREIA RJ 202106201	06/28
Aquila Engenharia	APROVADOR: CREA OU CAU JOSE AUGUSTO GENTROSDREIA RJ 3631940	

DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B006-DE-R0	ESCALA H=1:1000 V=1:100
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LEGENDA
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NOTAS
1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.

DOCUMENTOS DE REFERÊNCIA
1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMISSÃO INICIAL
Emissão	Data	Descrição

 **ine** instituto estadual do ambiente



 **Secretaria de Ambiente e Sustentabilidade**

 **GOVERNO DO ESTADO RIO DE JANEIRO**

 **Rio2030**

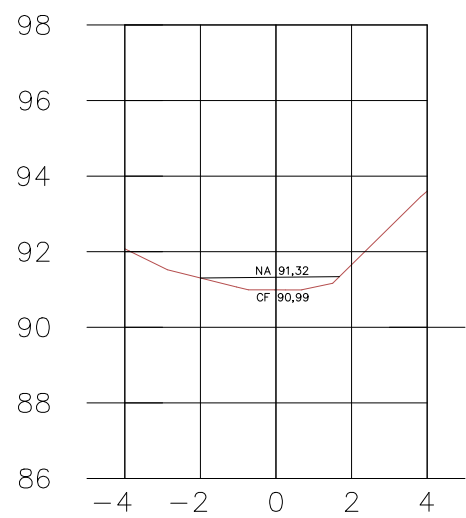
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO

LEVANTAMENTO TOPOGRÁFICO  
PERFIL LONGITUDINAL - RIO PIRAQUARA

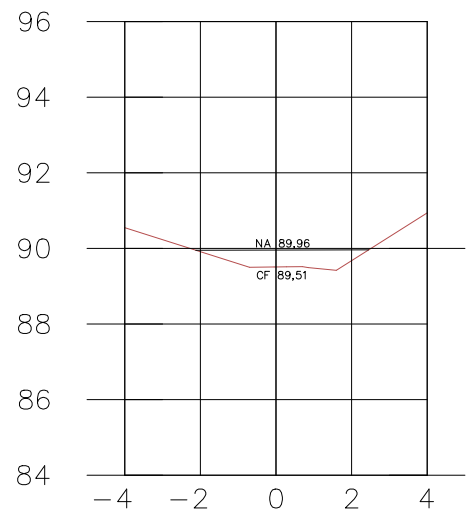
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	PROJETISTA / CREA OU CAU ALBERTO JOSÉ MARIN AMBICREA/RJ 20310821	APROVADOR / CREA OU CAU JOSÉ AUGUSTO GASTROSDRE/RJ 363184	
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B008-DE-R0	ESCALA H=1:1000 V=1:100



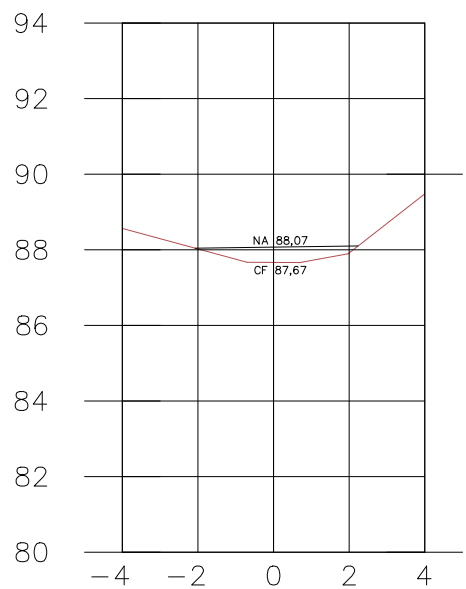
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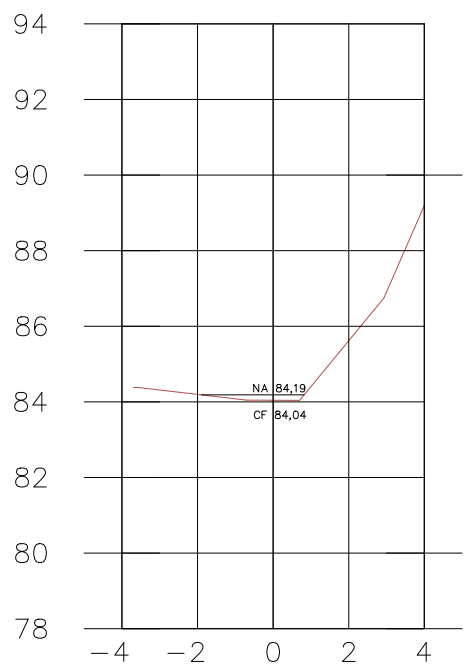
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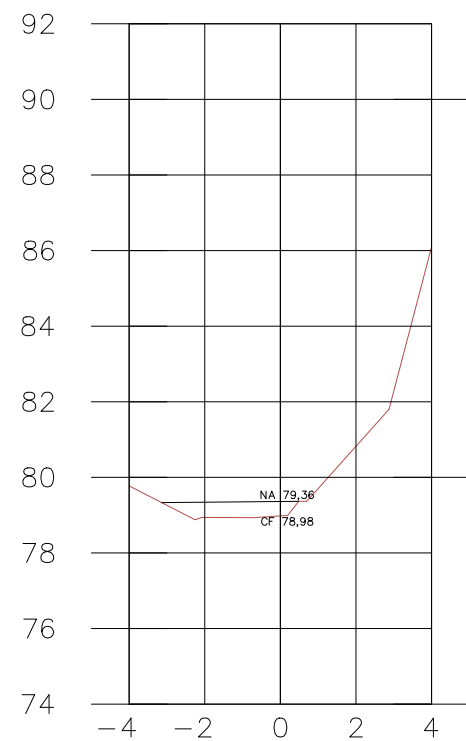
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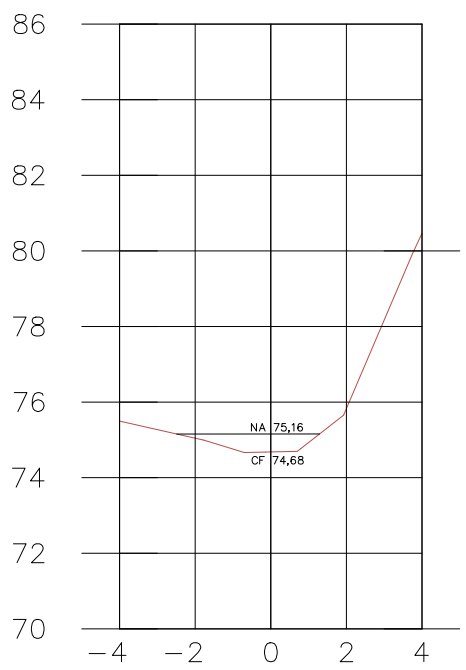
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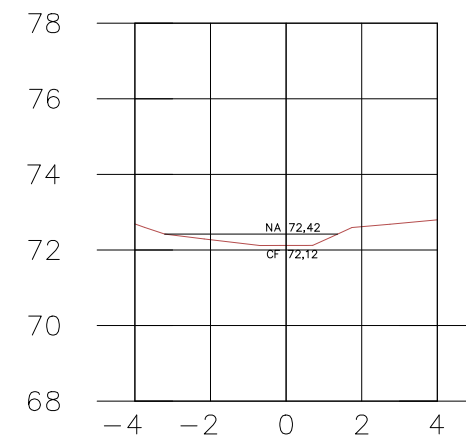
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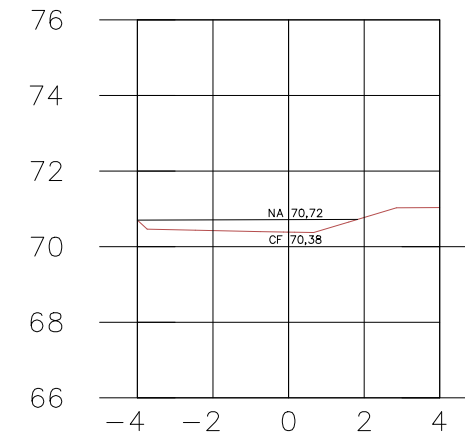
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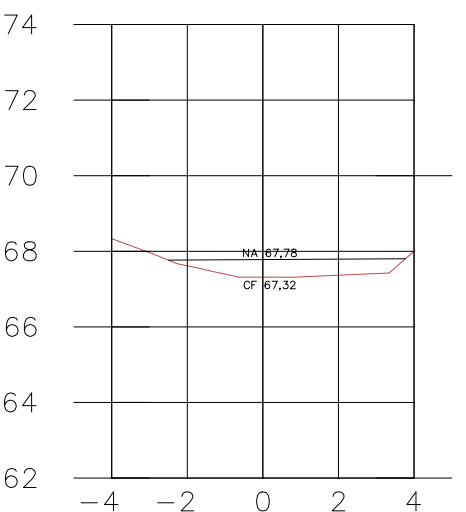
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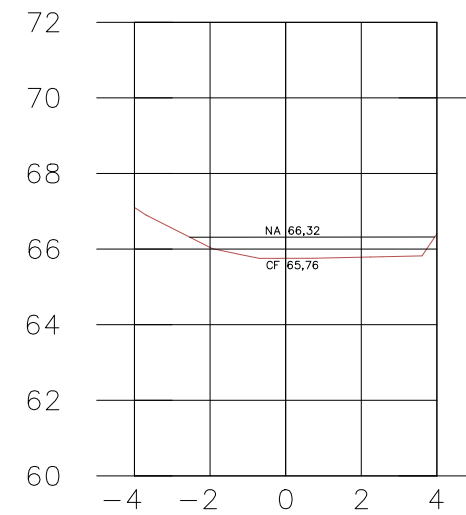
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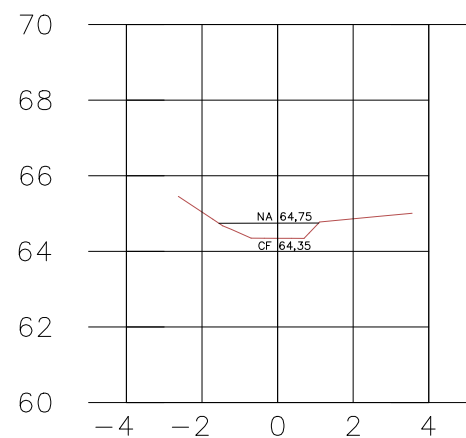
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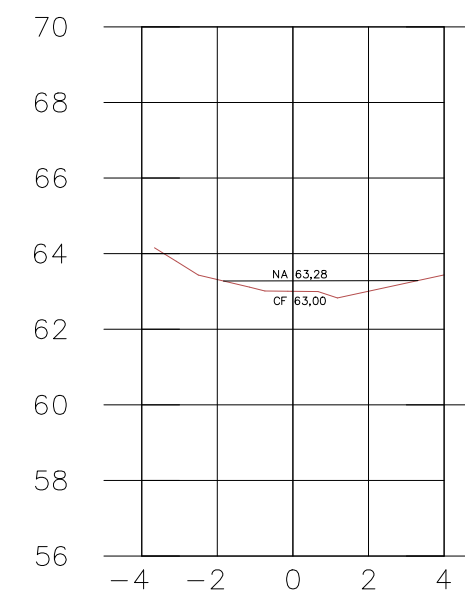
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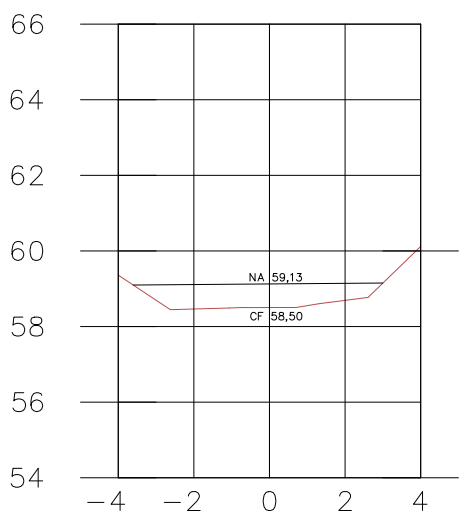
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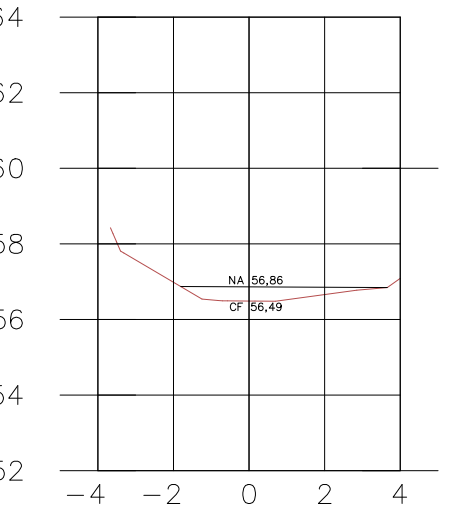
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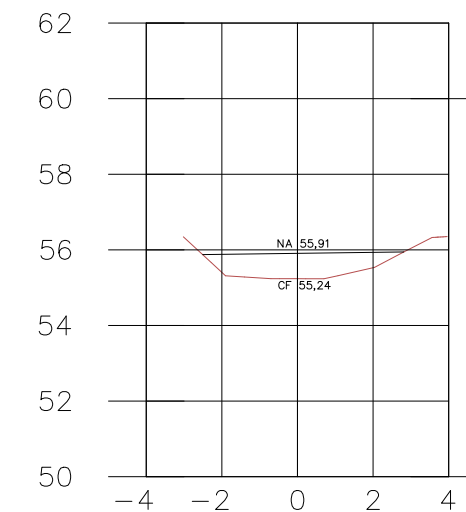
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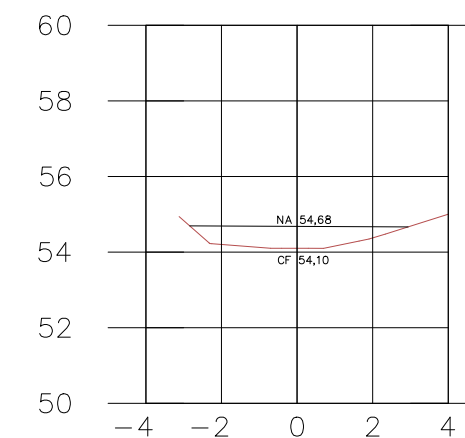
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LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

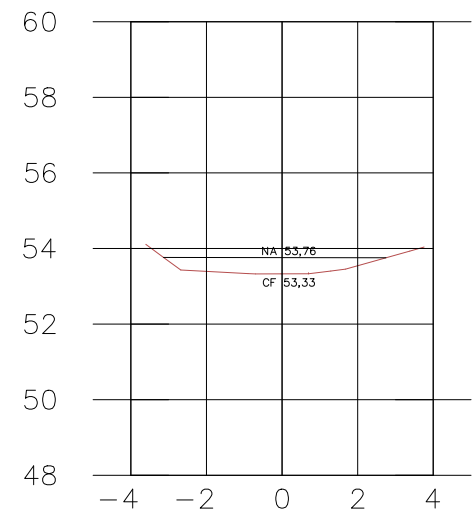
DOCUMENTOS DE REFERÊNCIA

- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

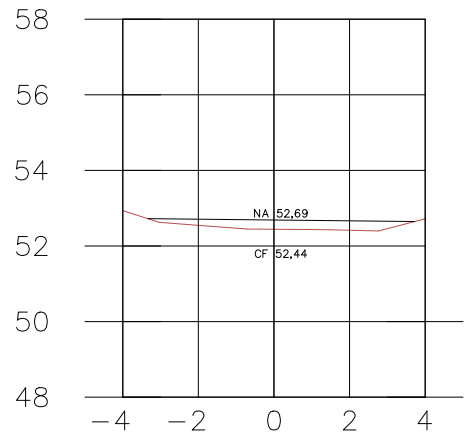
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Emissão	Data	Descrição
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ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 0+0,00 A E 0+320,00		
<div><div><div>CONSORCIO APONTO TÉCNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TÉCNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>202310821</div></div></div> <div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>202310821</div></div> <div><div>APROFUNDADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GOMES DE OLIVEIRA</div><div>3631910</div></div>		FOLHA 09/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B009-DE-R0 ESCALA 1/200



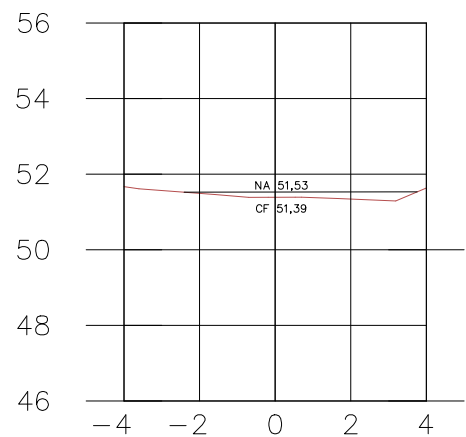
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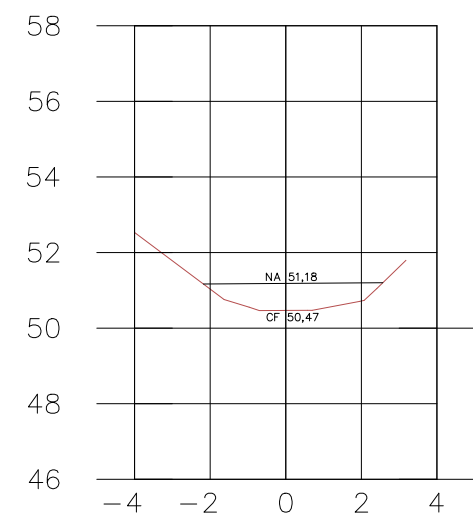
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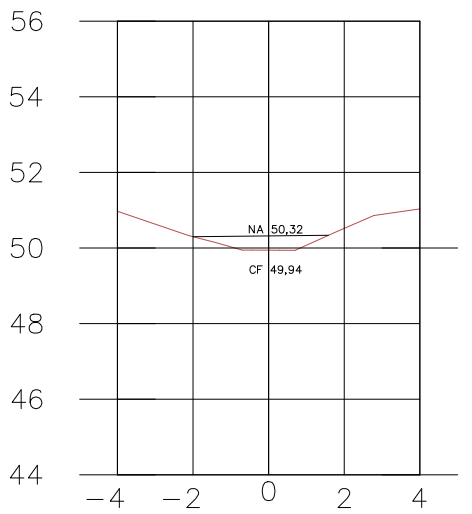
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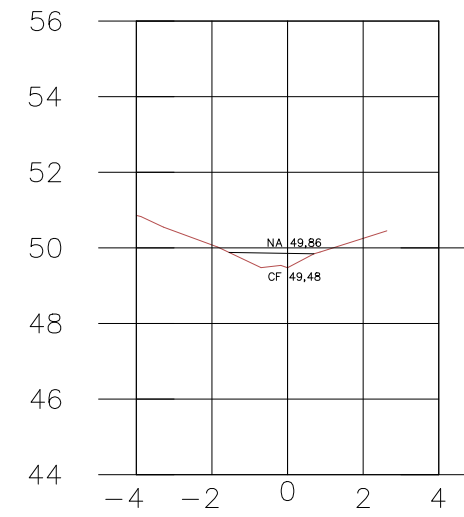
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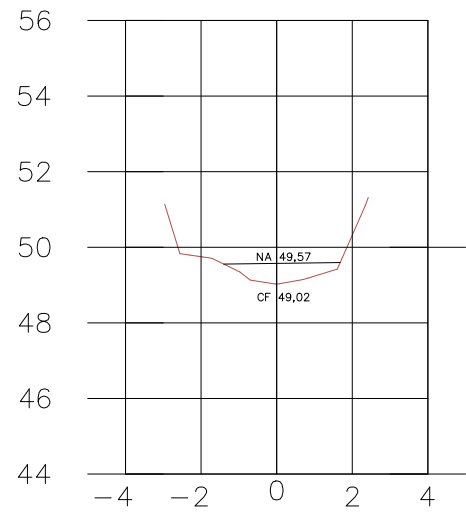
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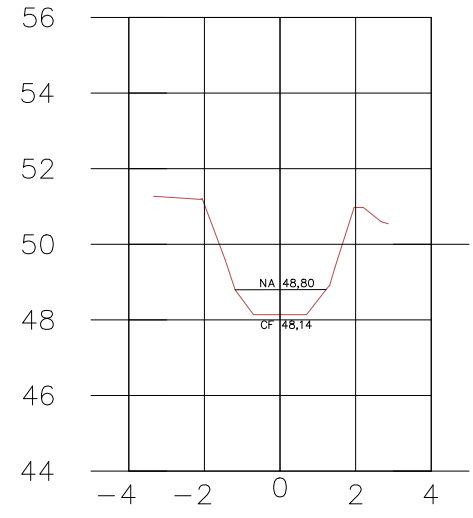
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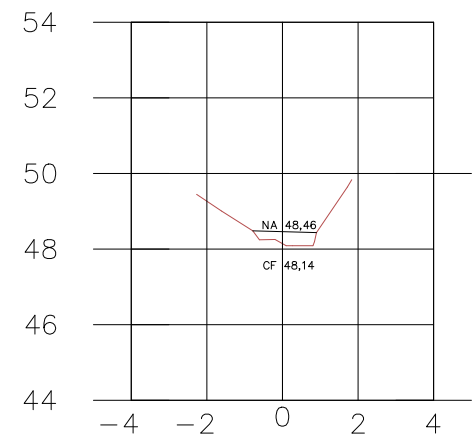
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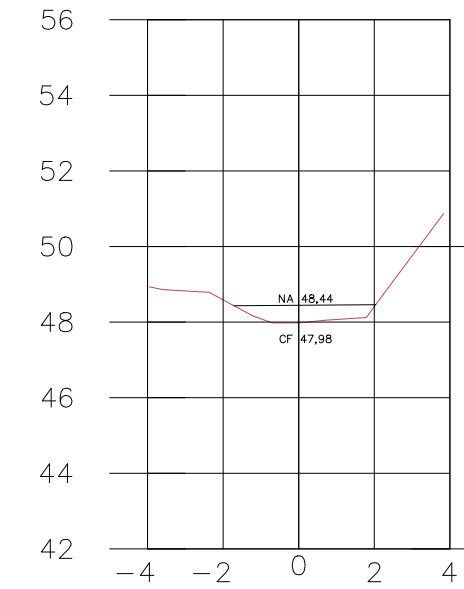
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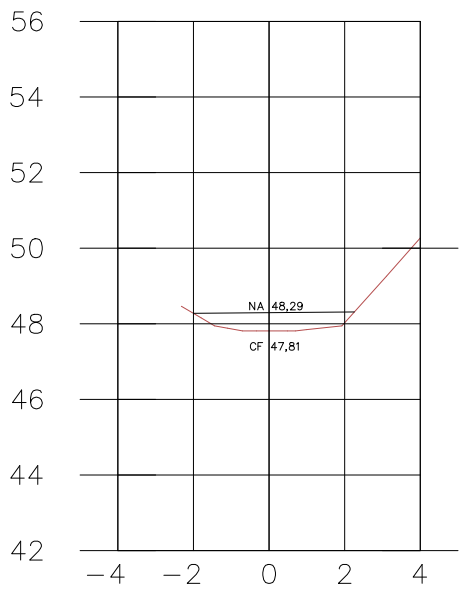
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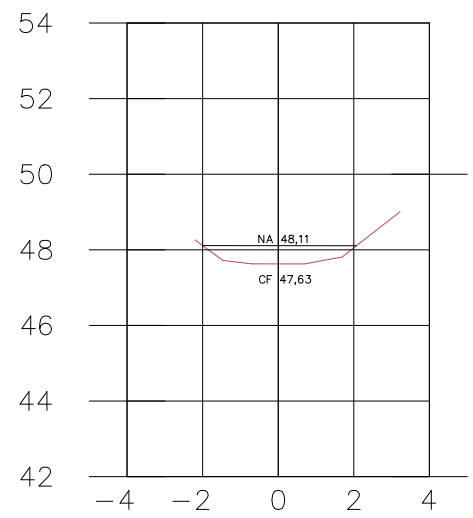
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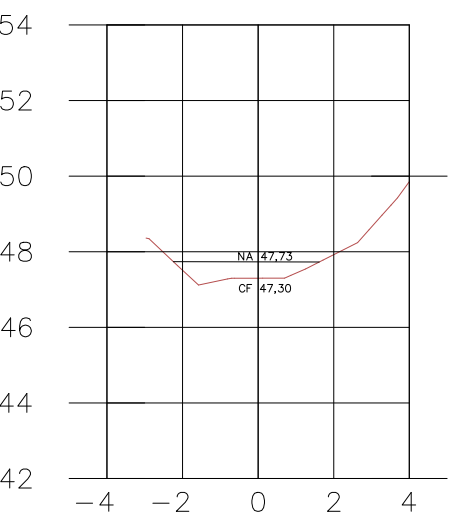
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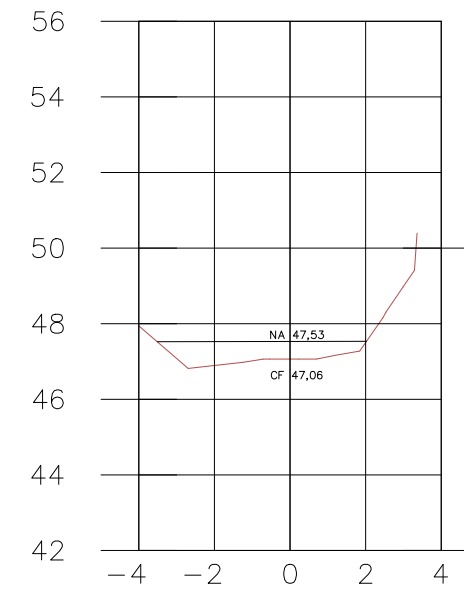
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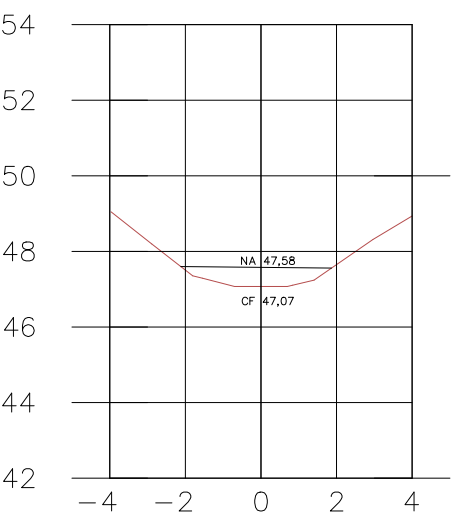
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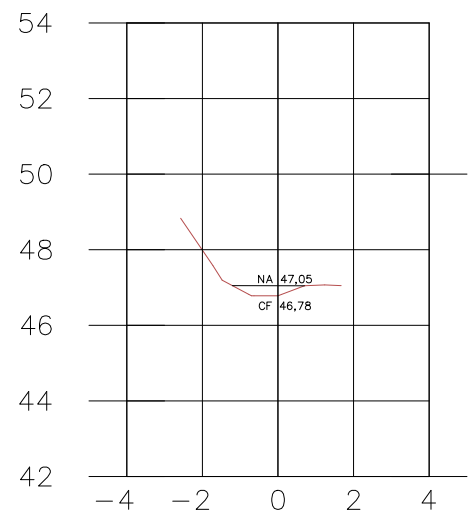
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LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

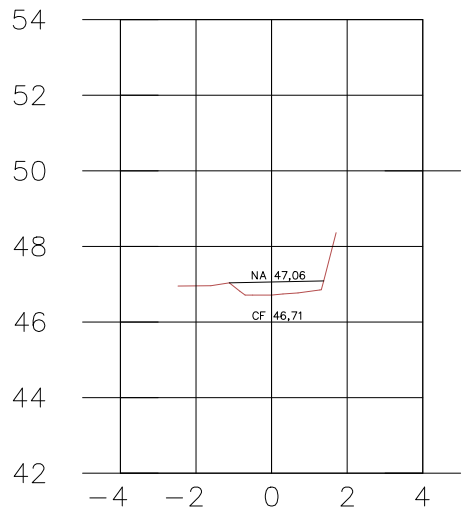
DOCUMENTOS DE REFERÊNCIA

- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

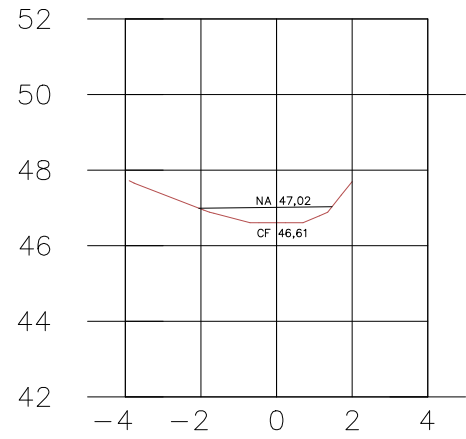
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 0+340,00 A E 0+640,00		
<div><div><div>CONSORCIO APORNO TÉCNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TÉCNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>2023106201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>2023106201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GOMES DOS SANTOS</div><div>3631910</div></div></div>		FOLHA 10/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B010-DE-R0
		ESCALA 1/200



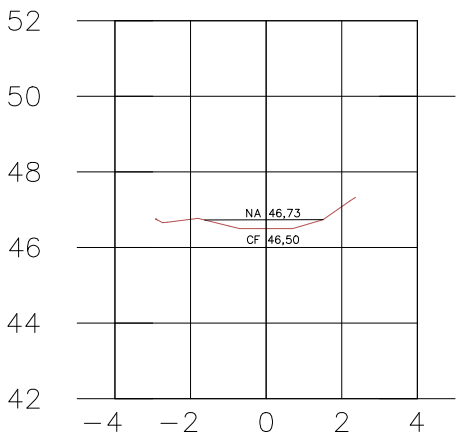
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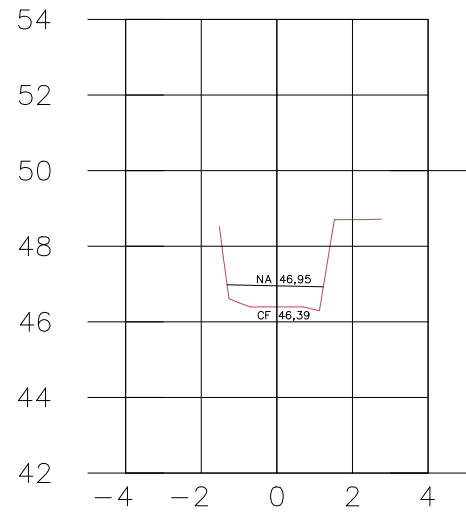
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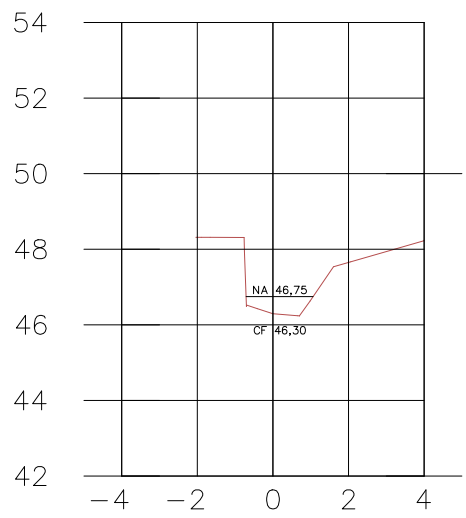
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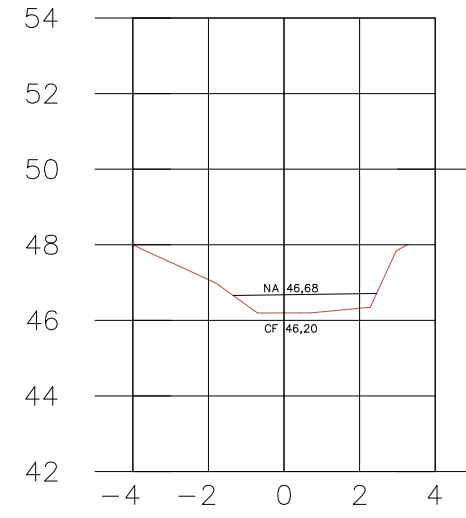
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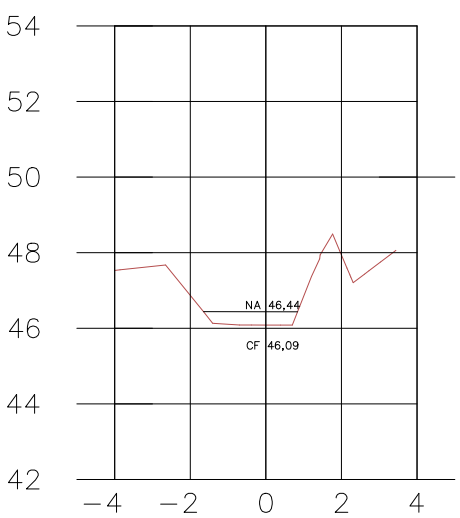
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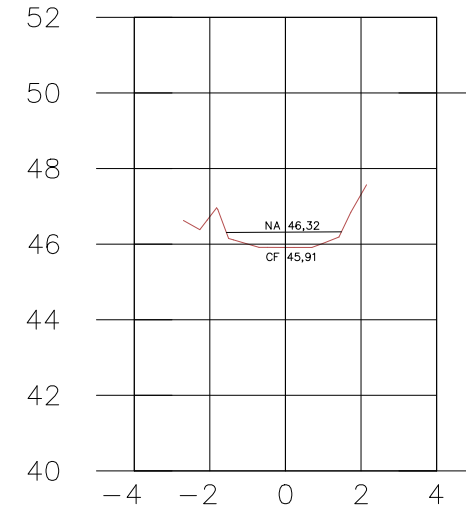
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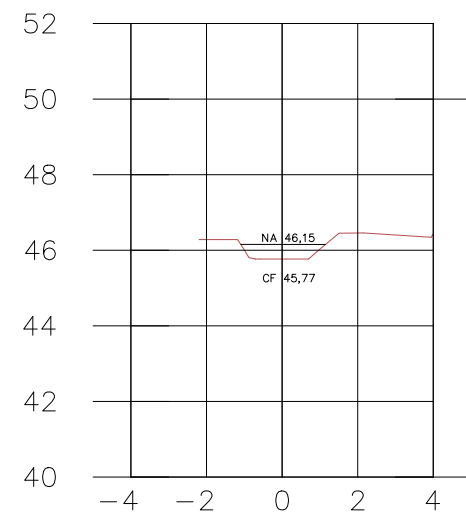
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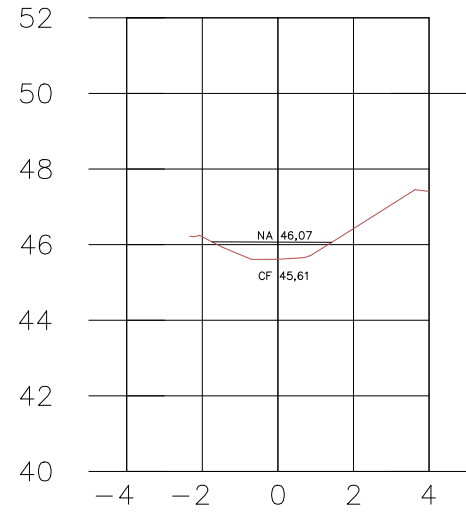
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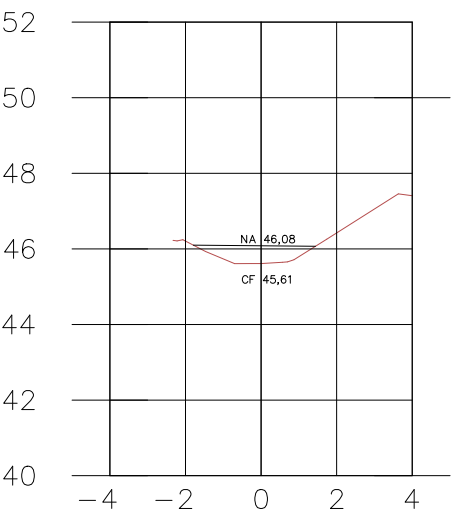
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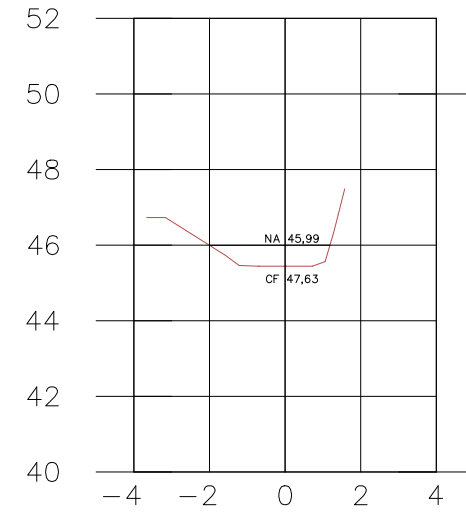
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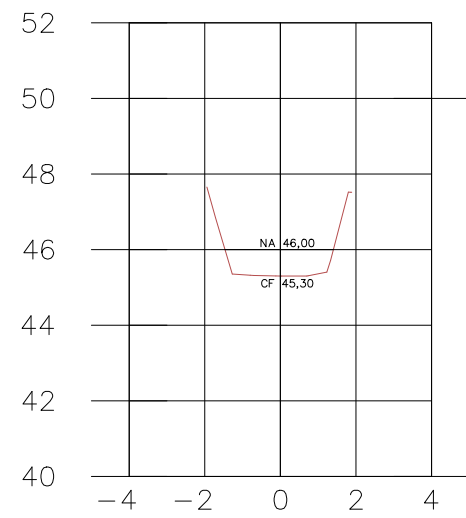
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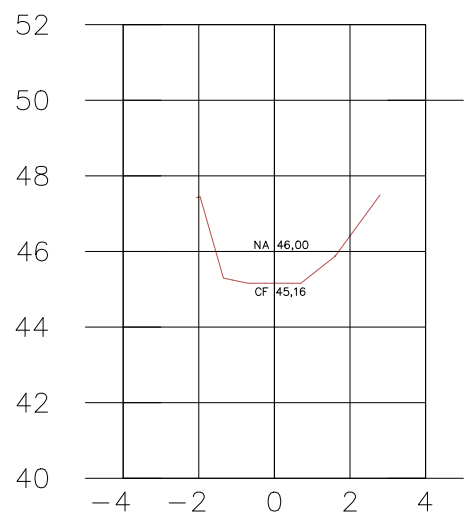
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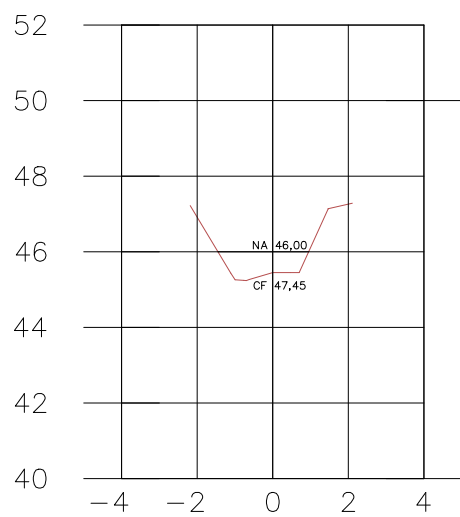
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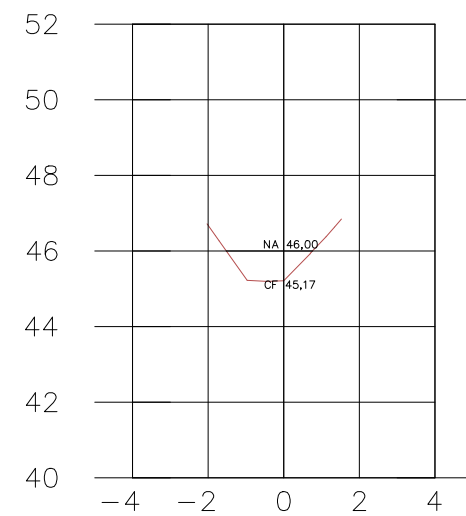
0+920.00



0+940.00



0+960.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

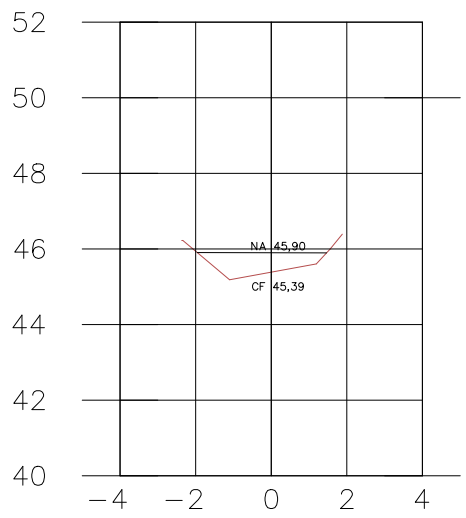
DOCUMENTOS DE REFERÊNCIA

- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

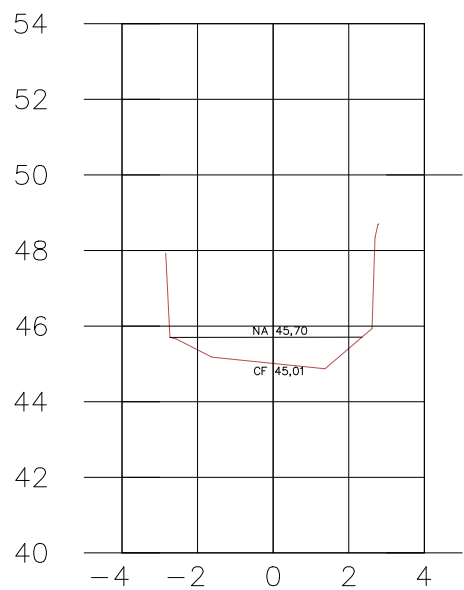
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 0+660,00 A E 0+960,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREARJ 203108201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREARJ 203108201</div></div><div><div>APROFUNDADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GANTIMPOCREARJ 3631910</div></div></div>		FOLHA 11/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B011-DE-R0
		ESCALA 1/200



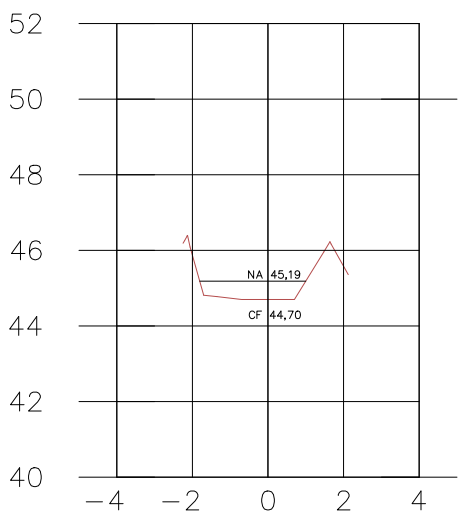
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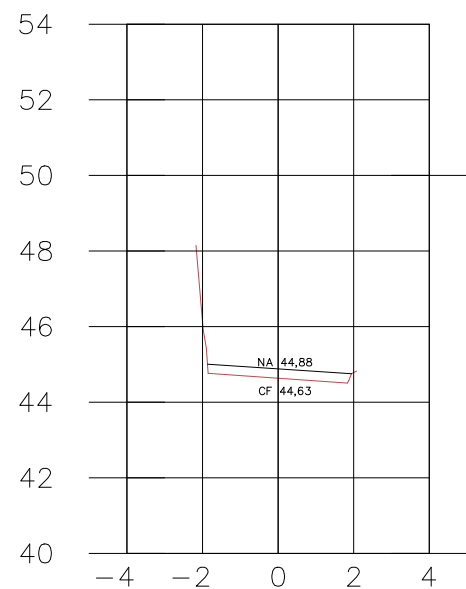
1+000.00



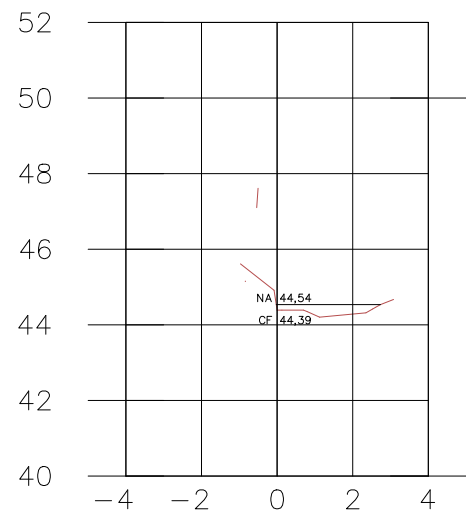
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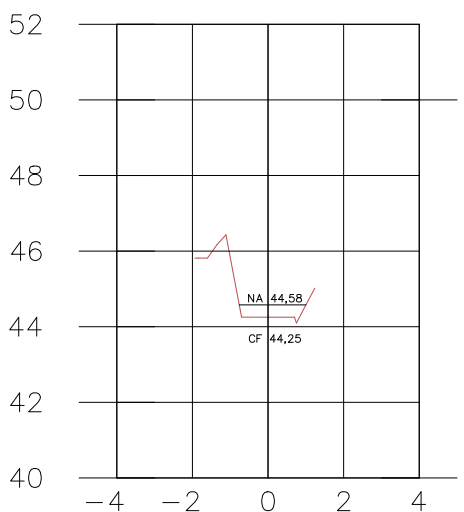
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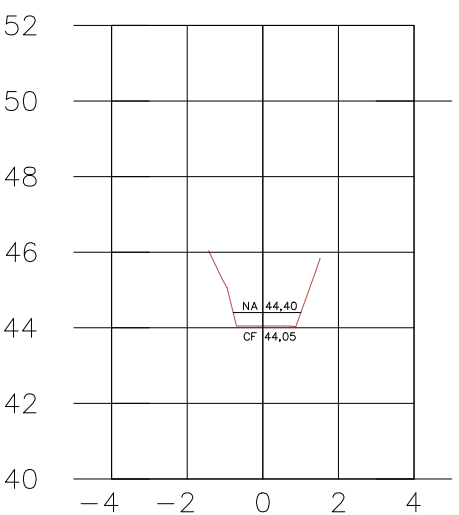
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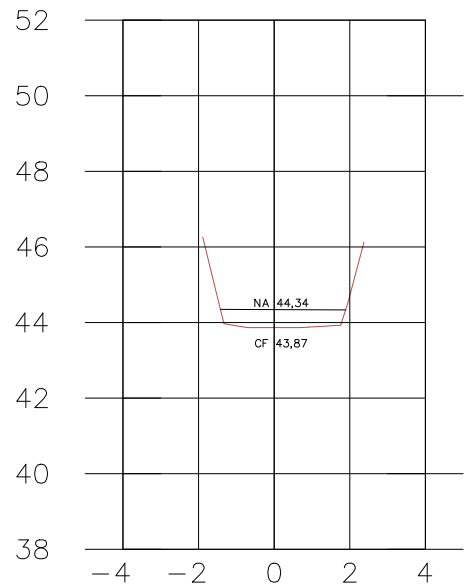
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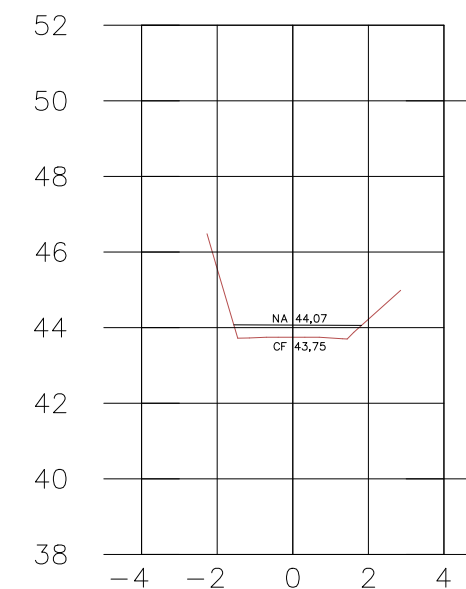
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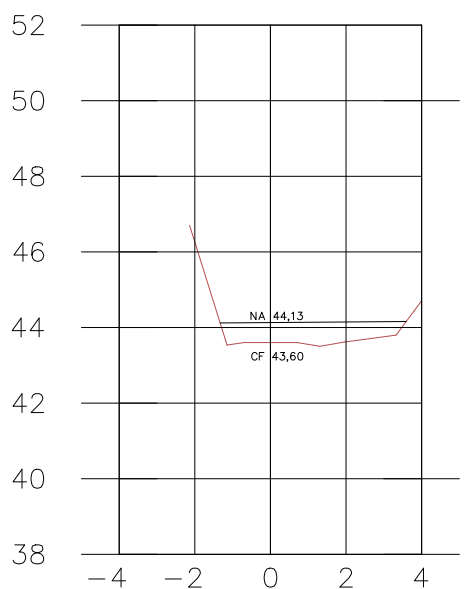
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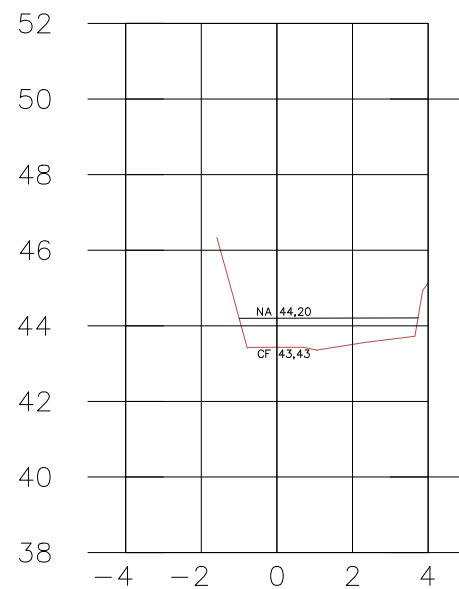
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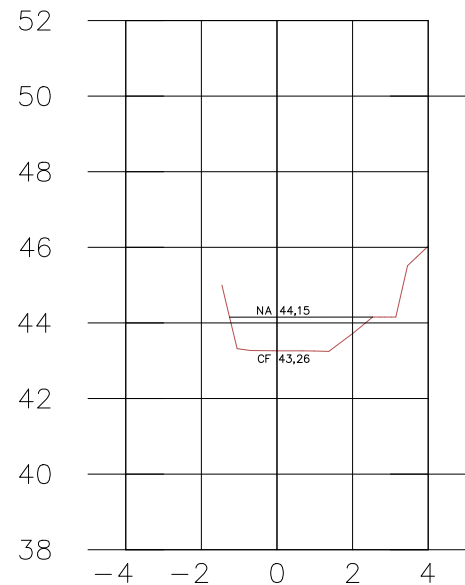
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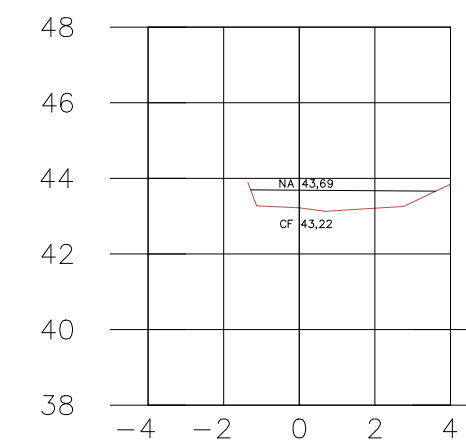
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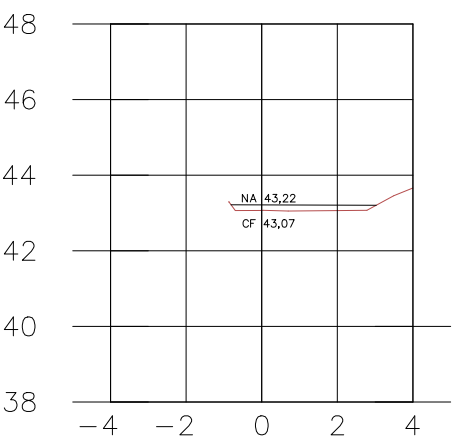
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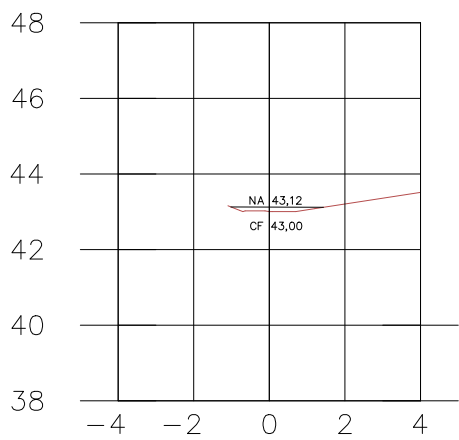
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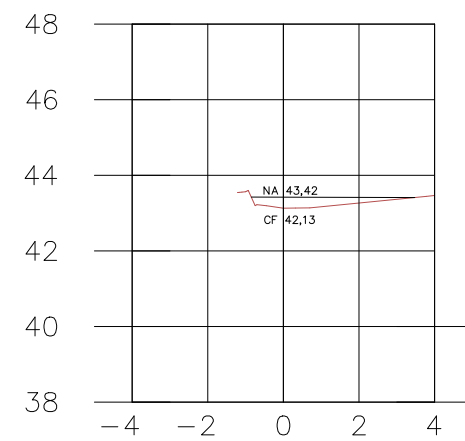
1+240.00



1+260.00



1+280.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

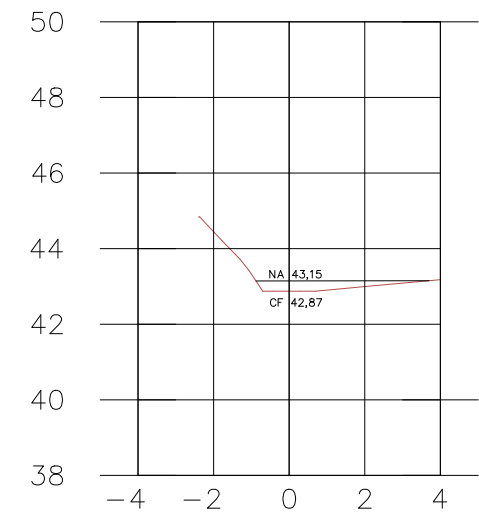
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

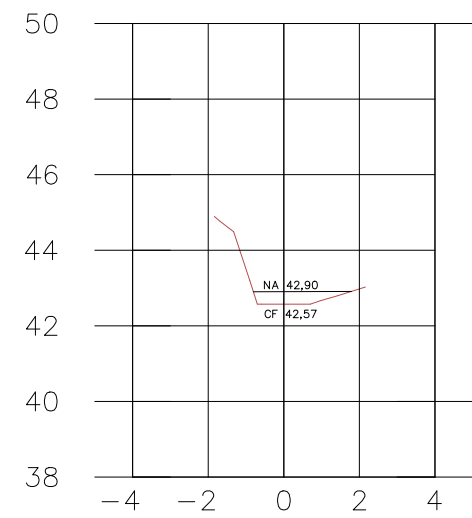
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 0+980,00 A E 1+280,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREIA RJ 203106201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREIA RJ 203106201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREIA RJ 3631810</div></div></div>		FOLHA 19/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B019-DE-R0
		ESCALA 1/200



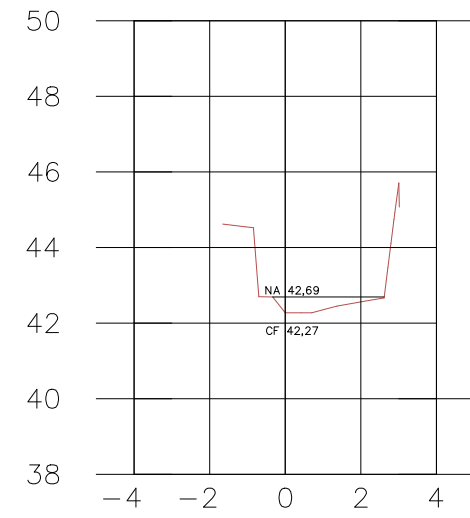
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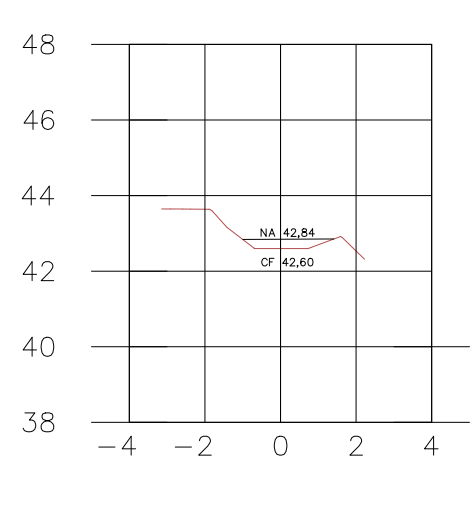
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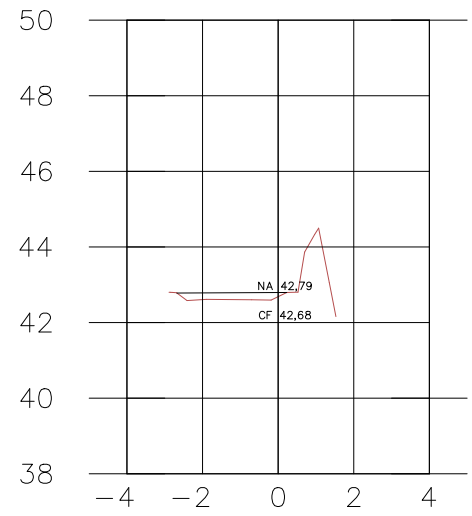
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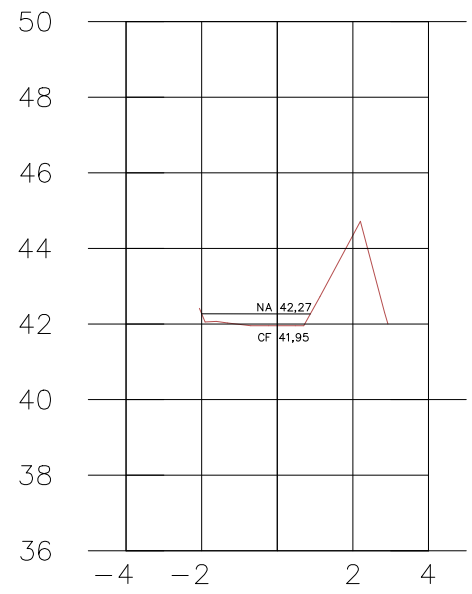
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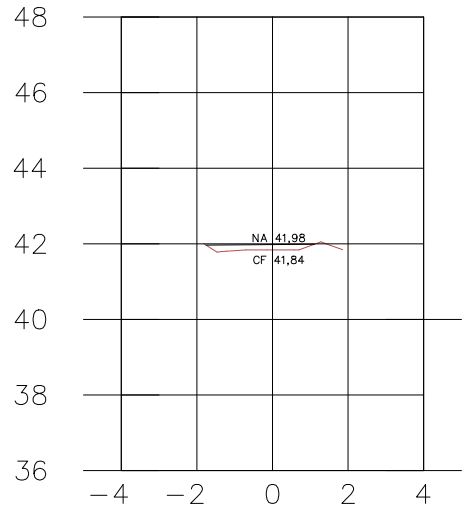
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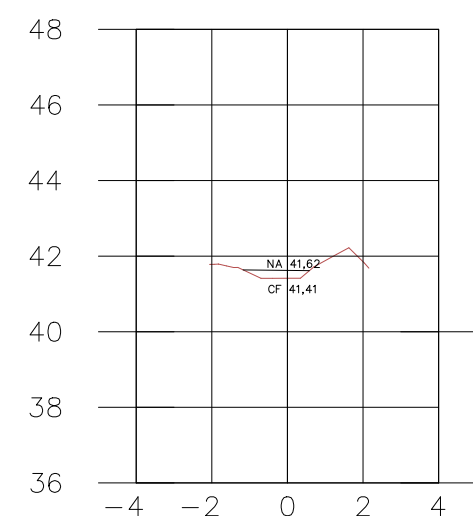
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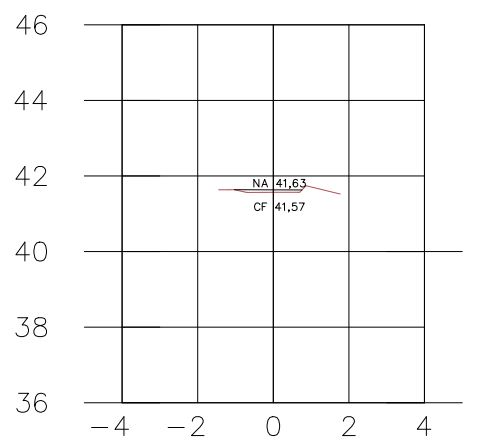
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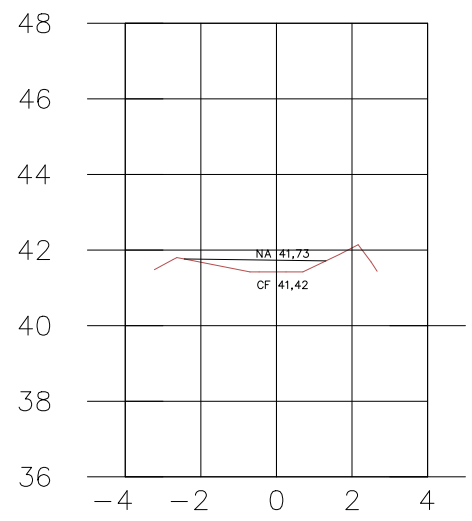
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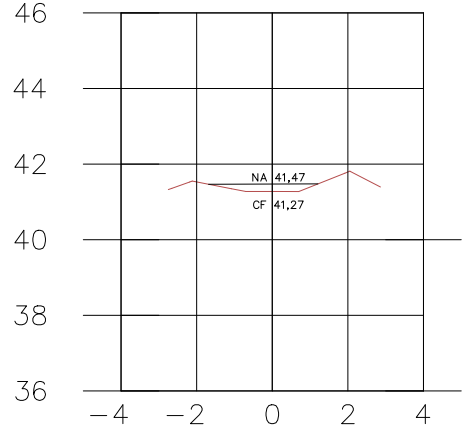
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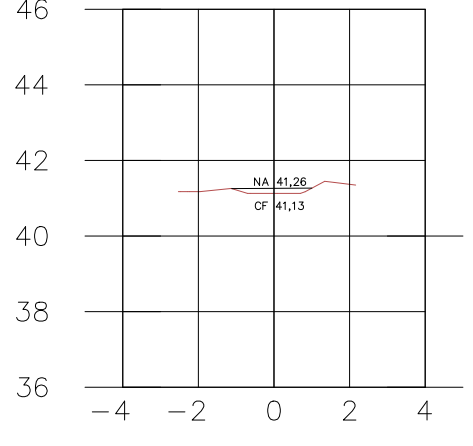
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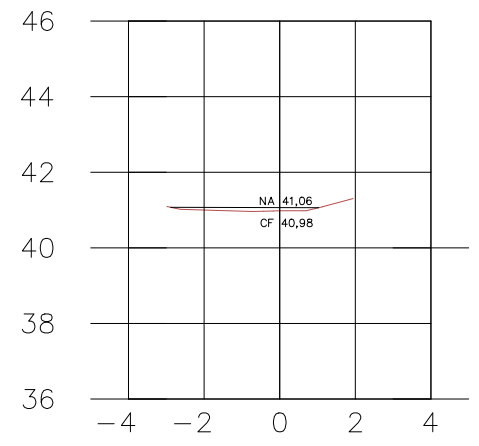
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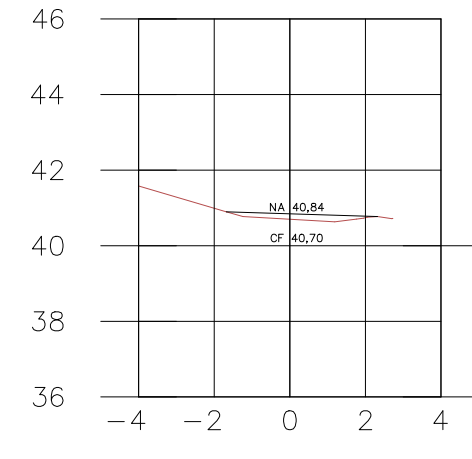
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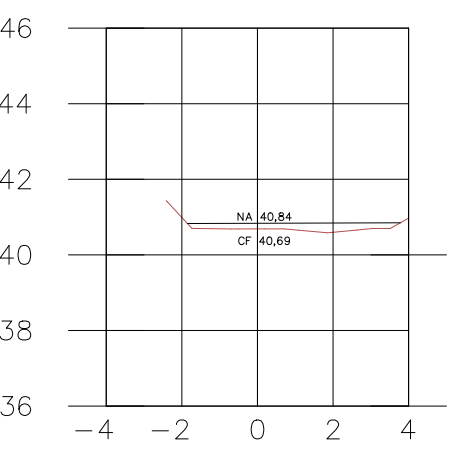
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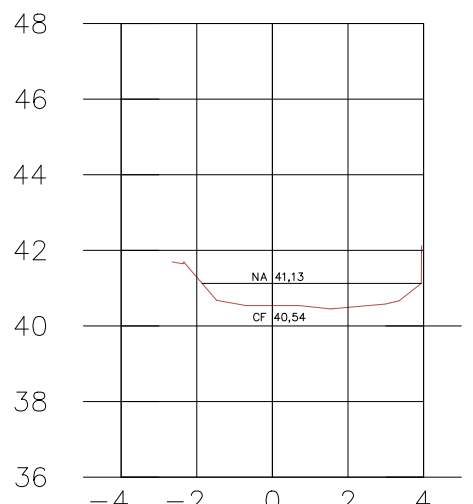
1+560.00



1+580.00



1+600.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

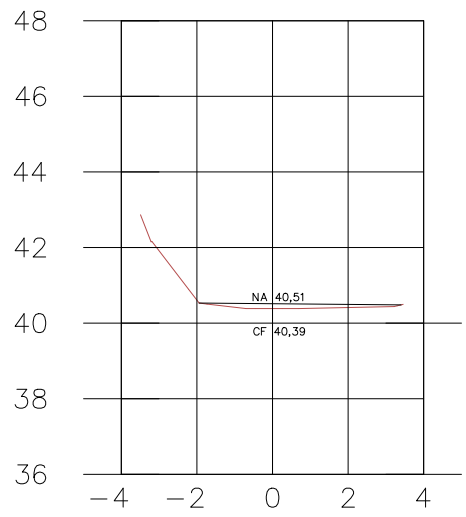
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

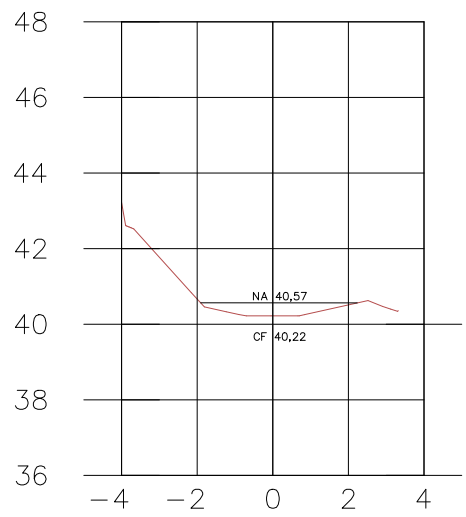
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 1+300,00 A E 1+600,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREIA RJ 202108201</div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREIA RJ 202108201</div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREIA RJ 3631940</div></div></div>		FOLHA 13/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B013-DE-R0 ESCALA 1/200



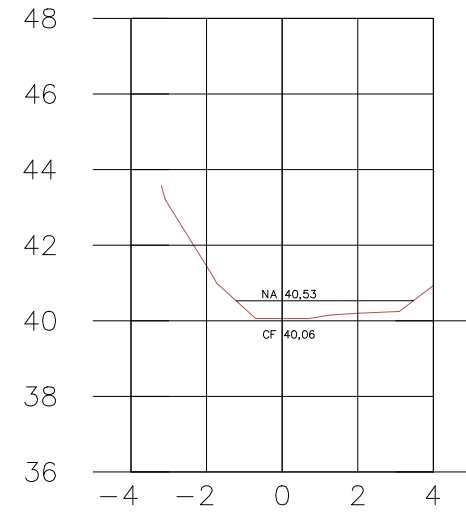
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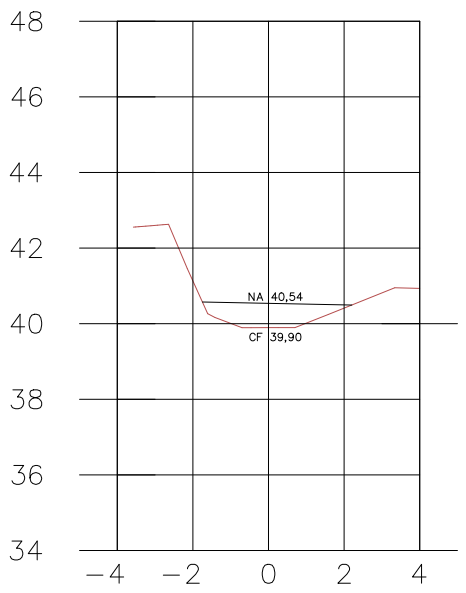
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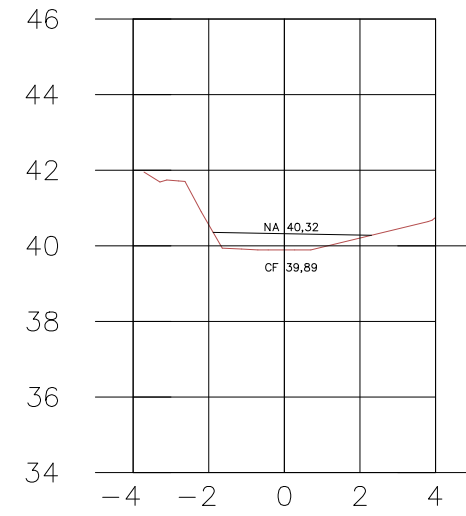
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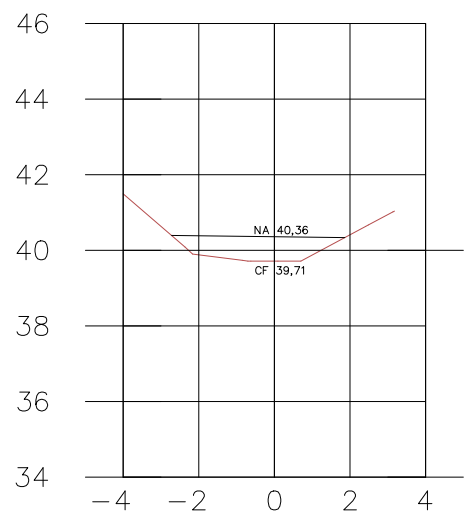
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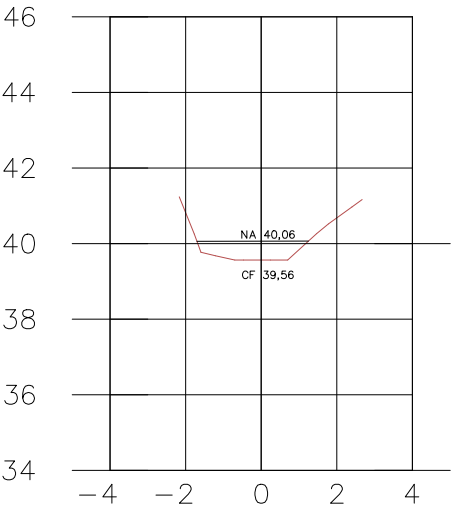
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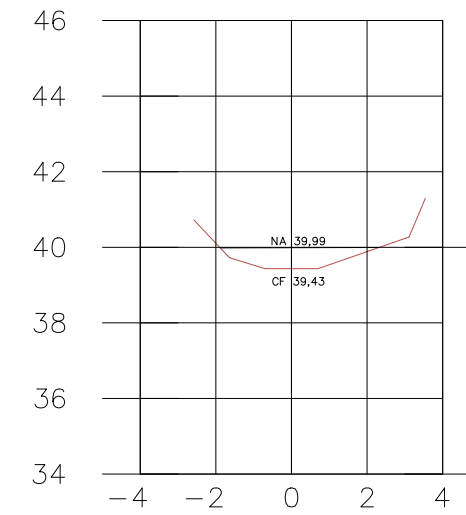
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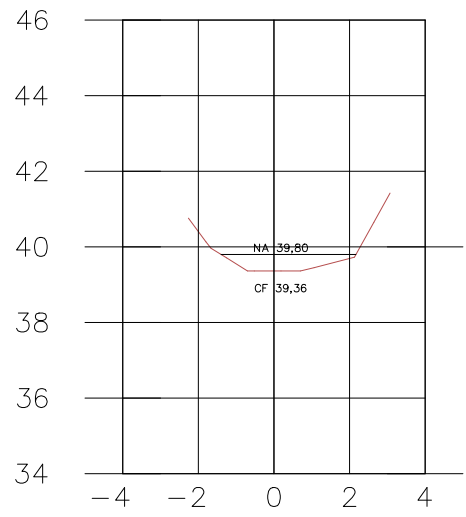
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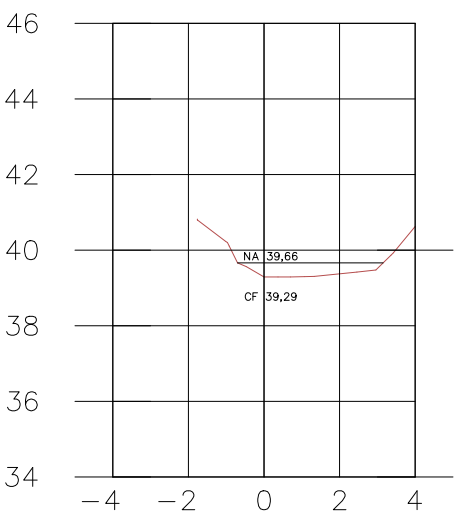
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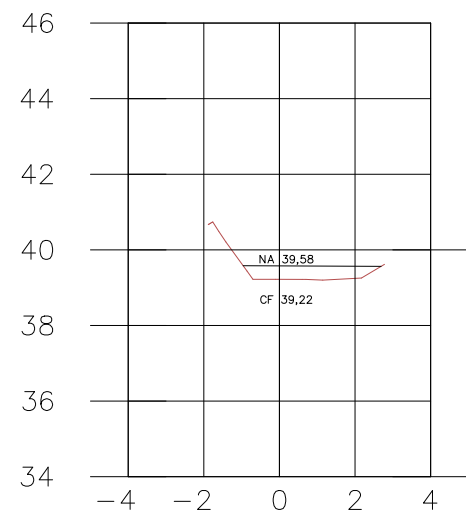
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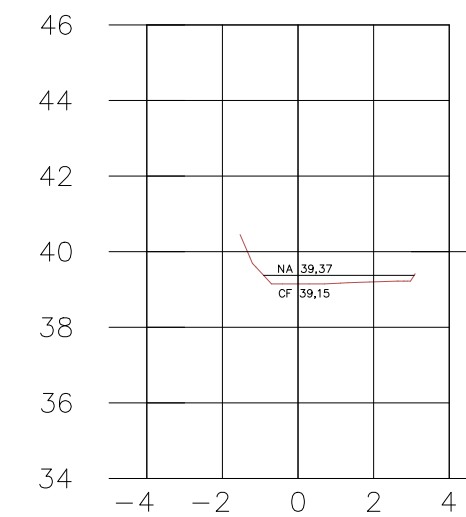
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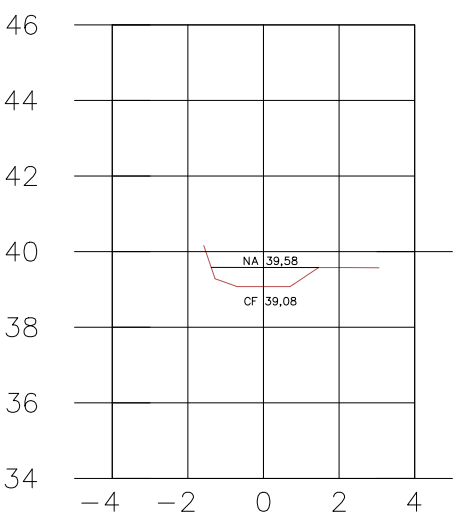
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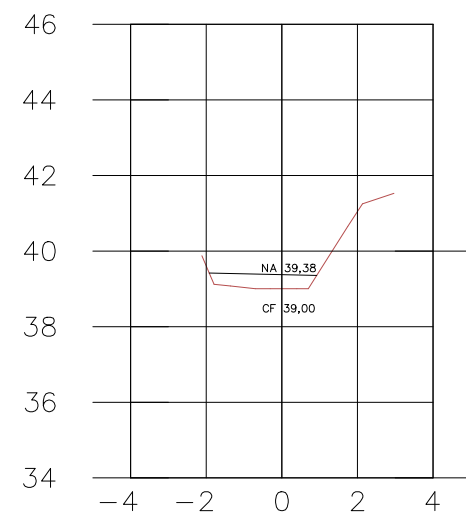
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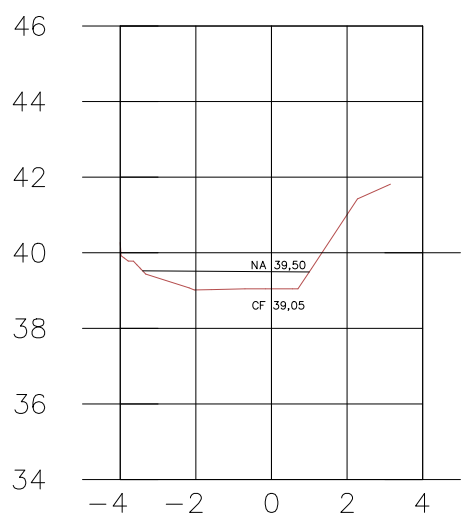
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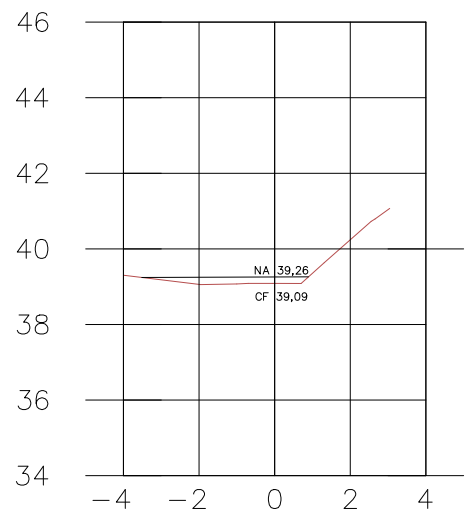
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1+900.00



1+920.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

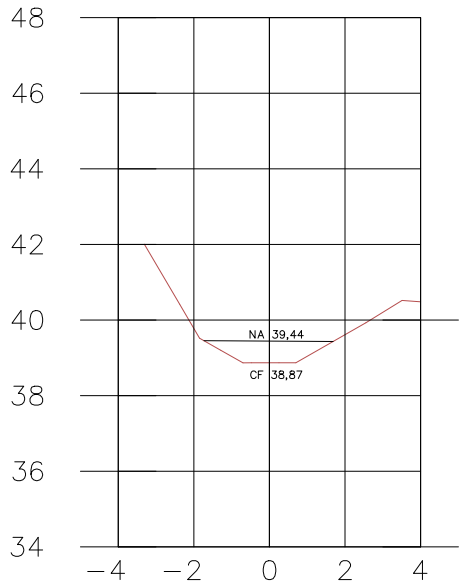
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

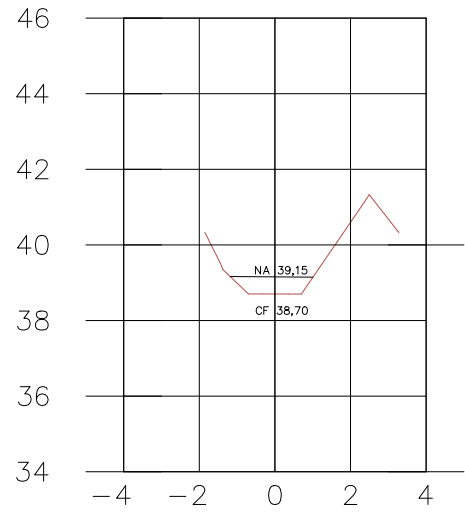
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 1+620,00 A E 1+920,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA RJ CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL / 203106201</div></div><div><div>PROJETISTA / CREA RJ CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL / 203106201</div></div><div><div>APROVADOR / CREA RJ CAU</div><div>JOSÉ AUGUSTO GOMES DE ARAÚJO / 3631914</div></div></div>		FOLHA 14/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B014-DE-R0
		ESCALA 1/200



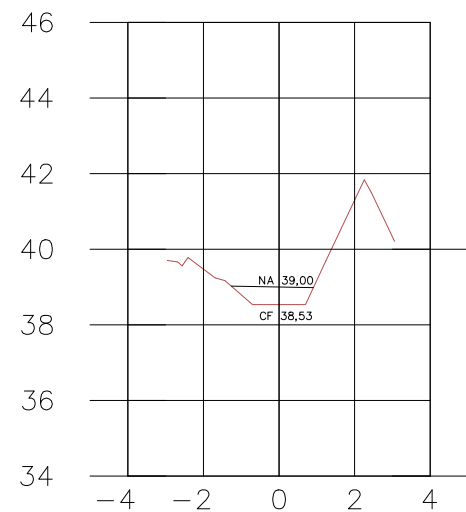
1+940.00



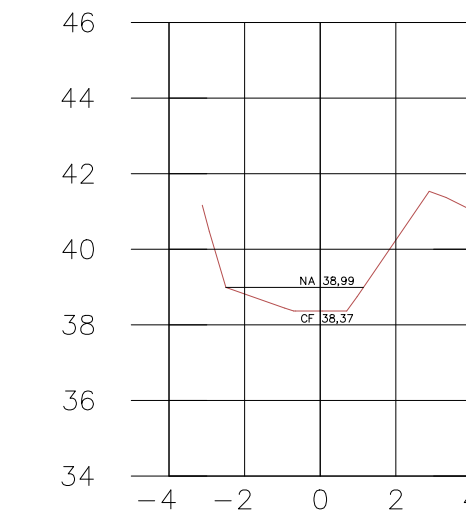
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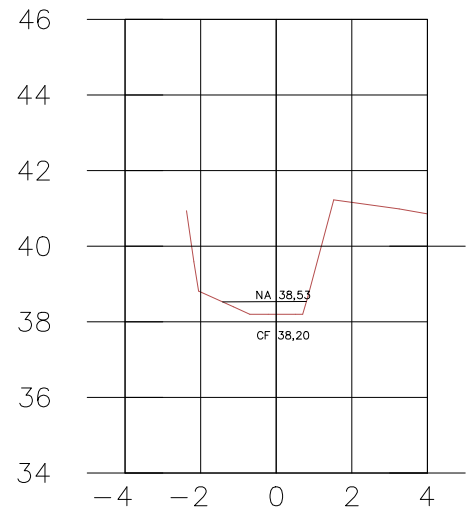
1+980.00



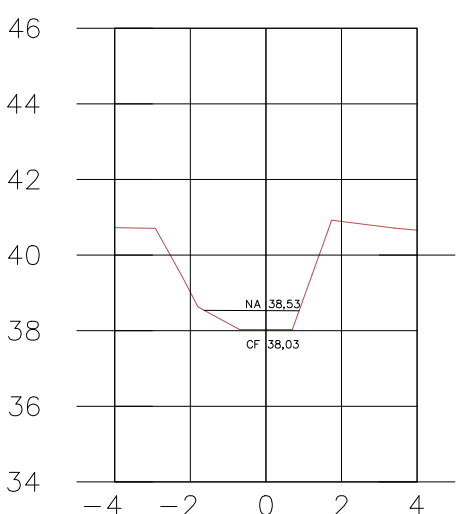
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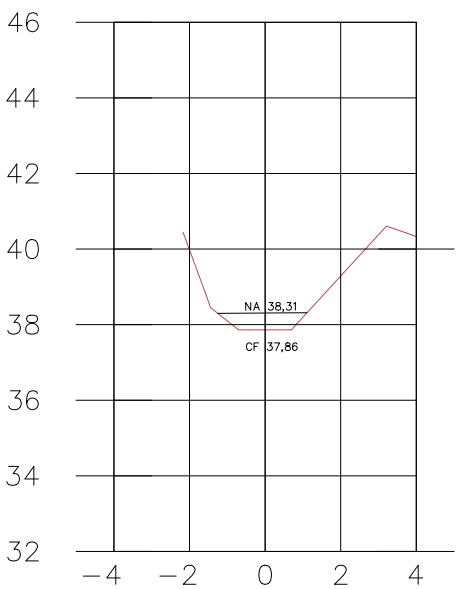
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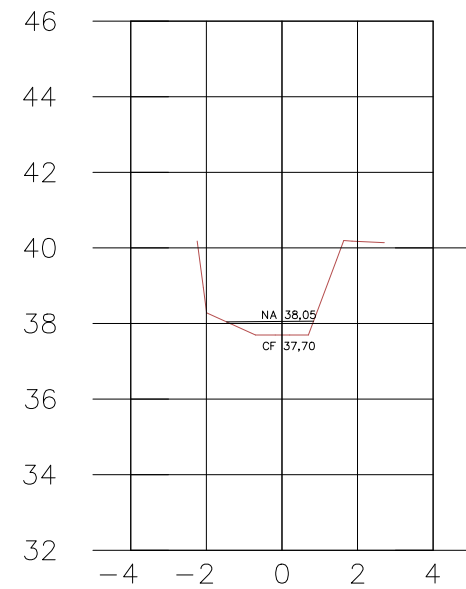
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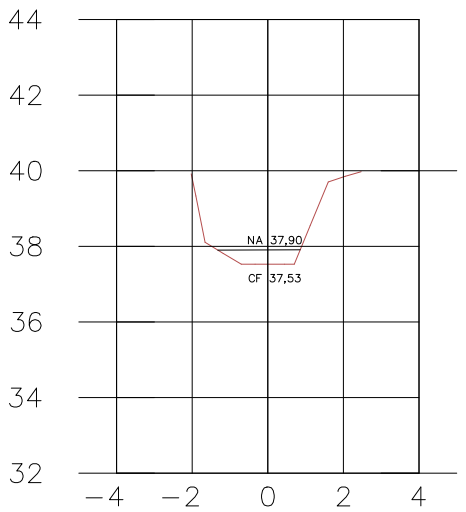
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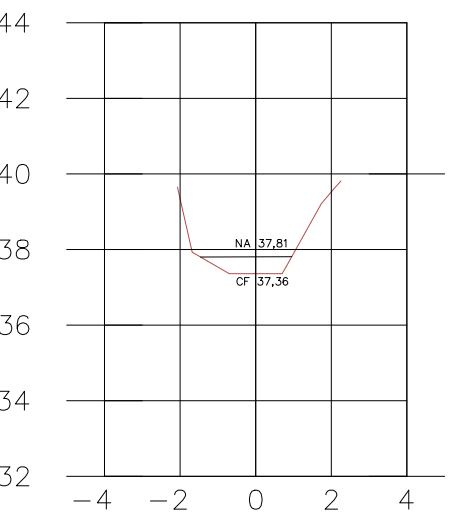
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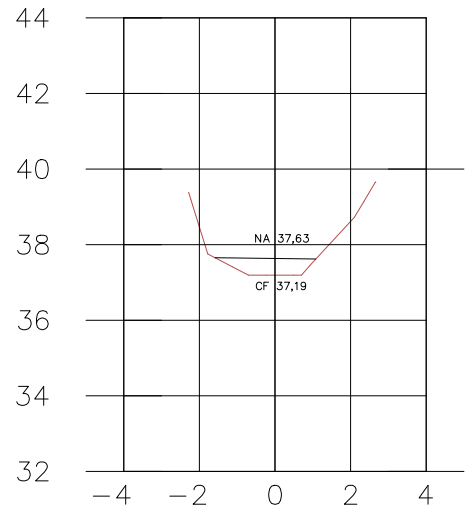
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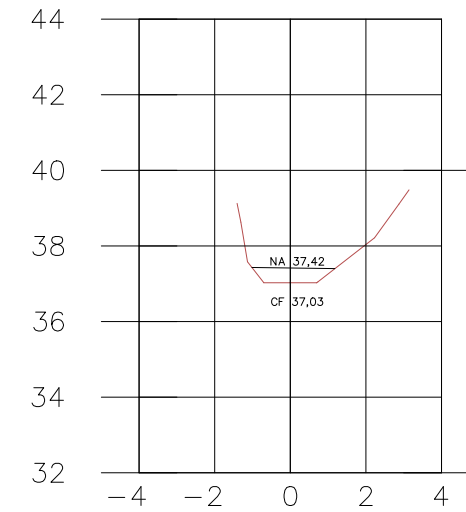
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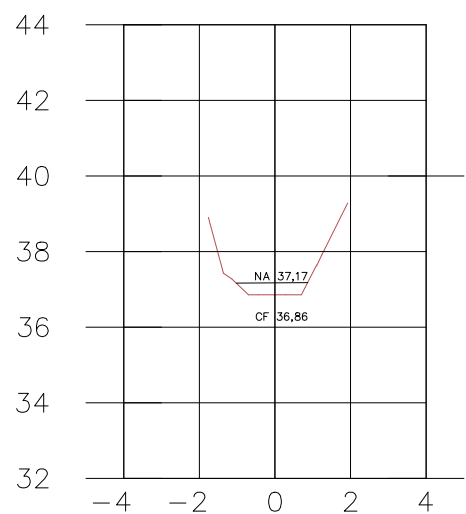
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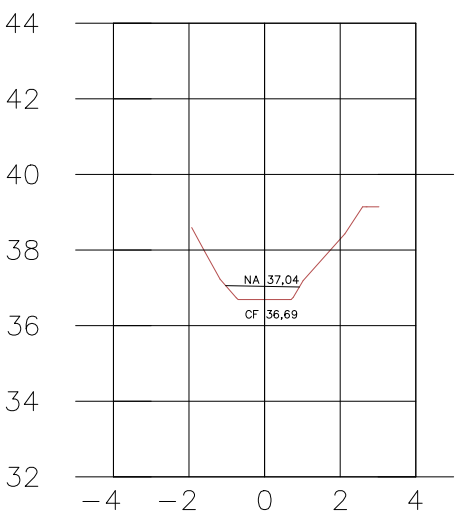
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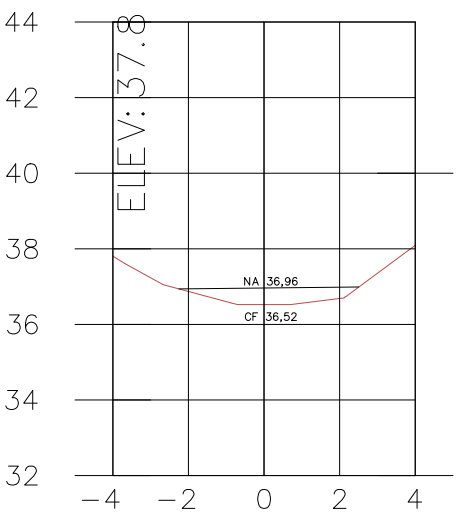
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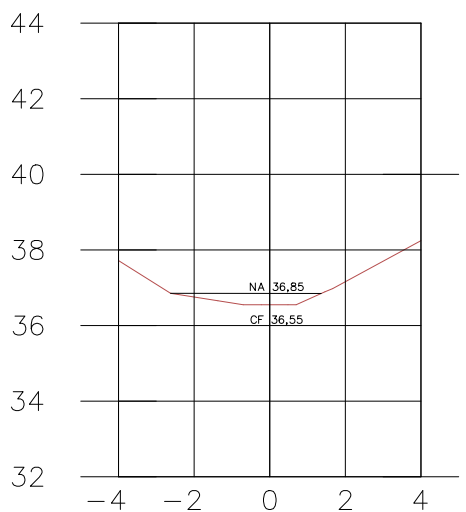
2+200.00



2+220.00



2+240.00



LEGENDA

— TERRENO NATURAL  
— NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.  
2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

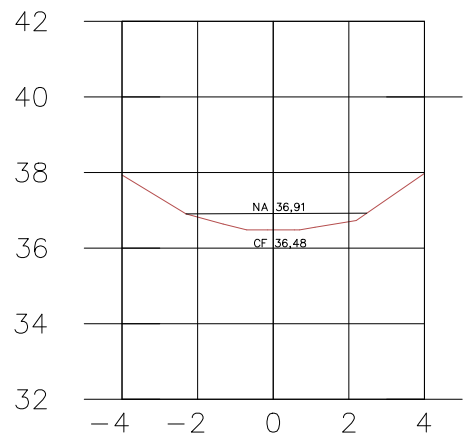
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

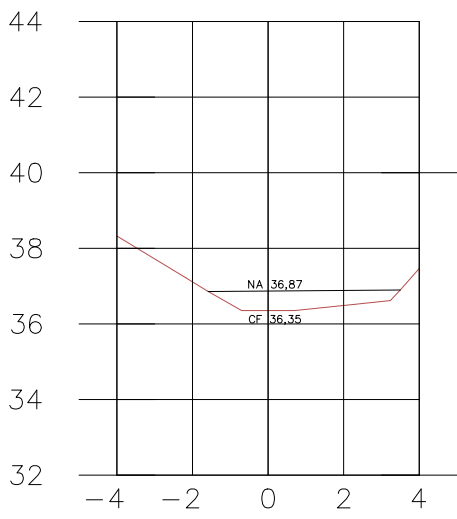
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div><div><div></div><div>inea</div></div><div><div>instituto estadual</div><div>do ambiente</div></div></div><div><div>Secretaria de</div><div>Ambiente e</div><div>Sustentabilidade</div></div><div><div><div><div></div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio2030</div><div>Plano de Ação</div></div></div></div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 1+940,00 A E 2+240,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div><div>cobrape</div><div>Aquila</div></div></div></div><div><div>RESP. TECNICO: CREA RJ 041 ALBERTO JOSE MARRAS AMBICREIA RJ 20210821</div><div>PROJETISTA: CREA RJ 041 ALBERTO JOSE MARRAS AMBICREIA RJ 20210821</div><div>APROVADOR: CREA RJ 041 JOSE AUGUSTO GENTRODREIA RJ 363184</div></div></div>		FOLHA 15/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 201335374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B015-DE-R0
		ESCALA 1/200



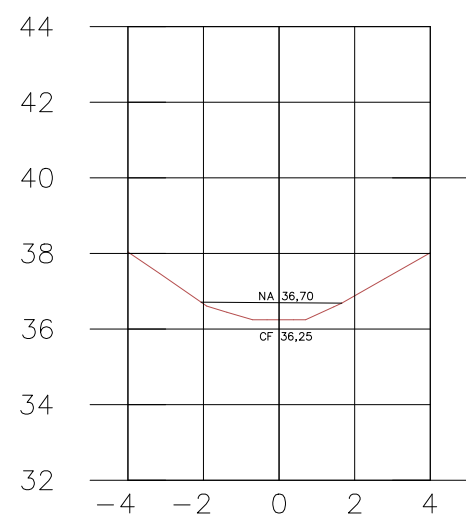
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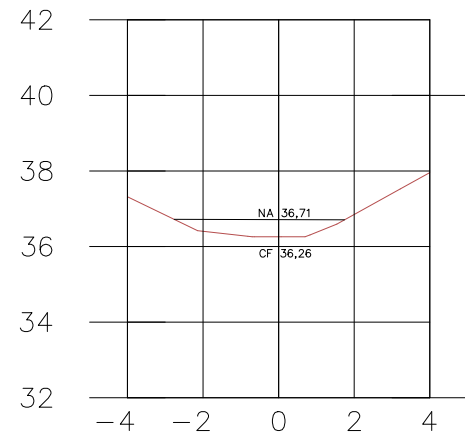
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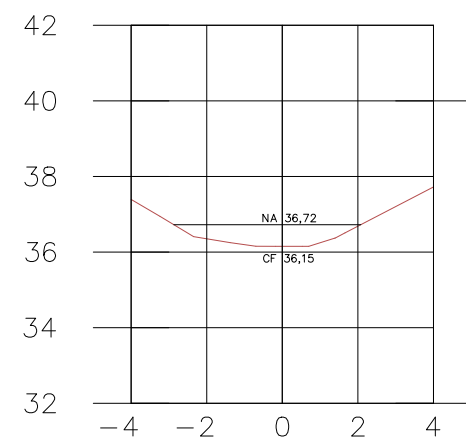
2+300.00



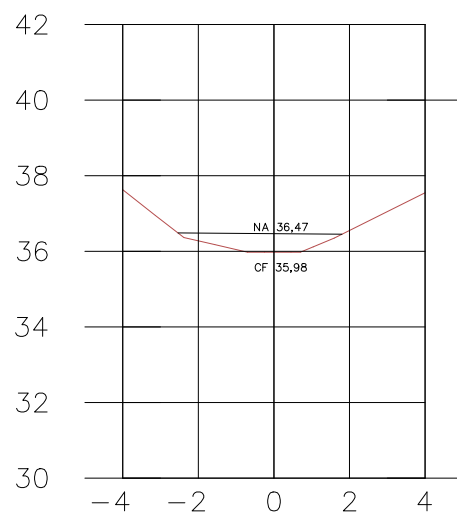
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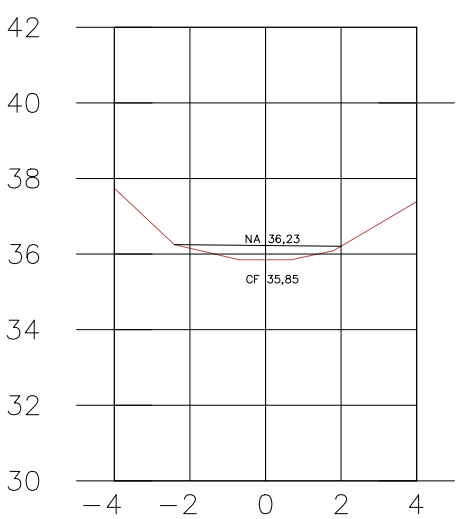
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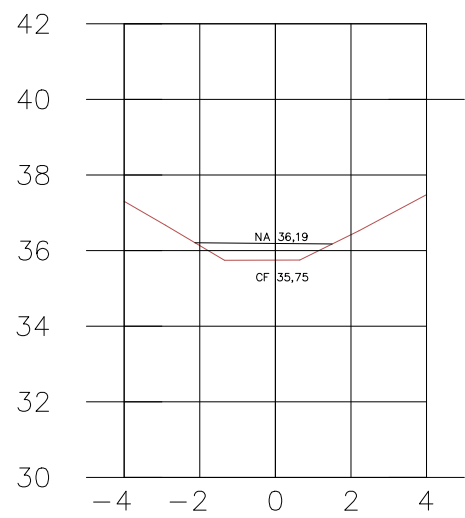
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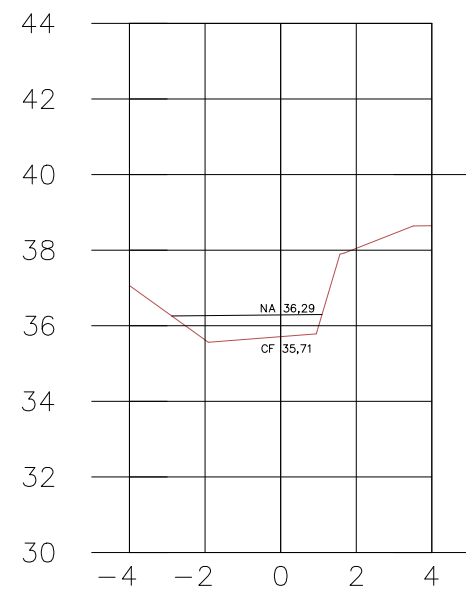
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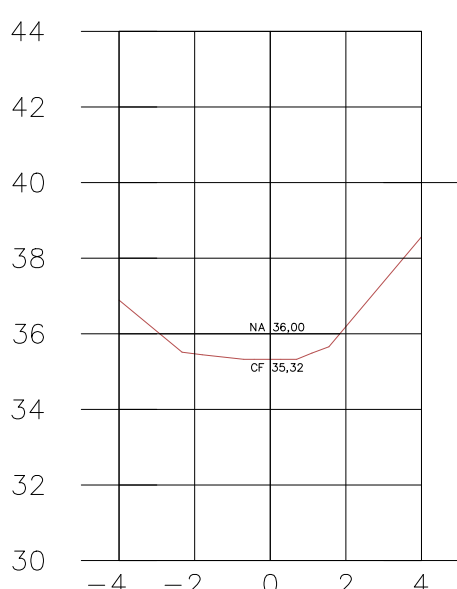
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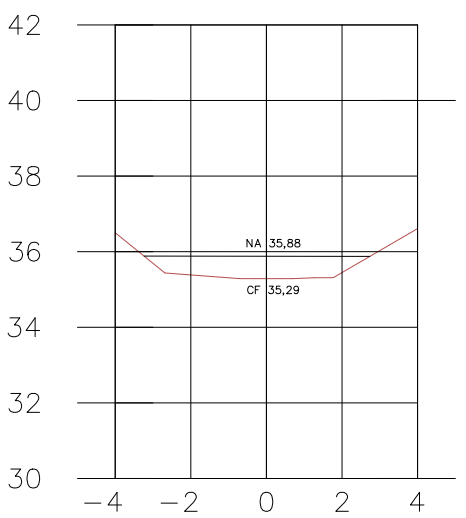
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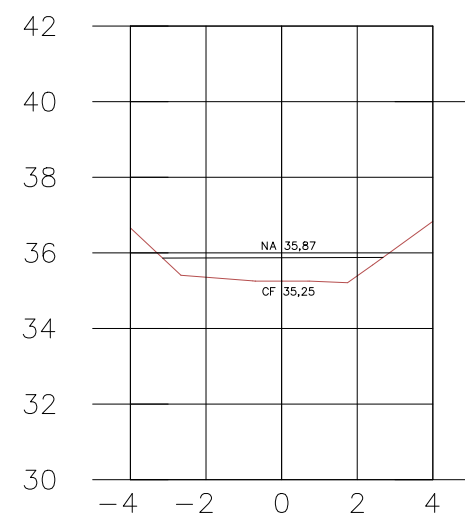
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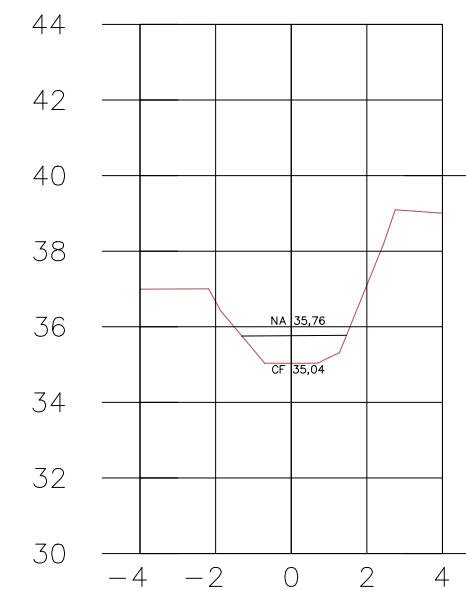
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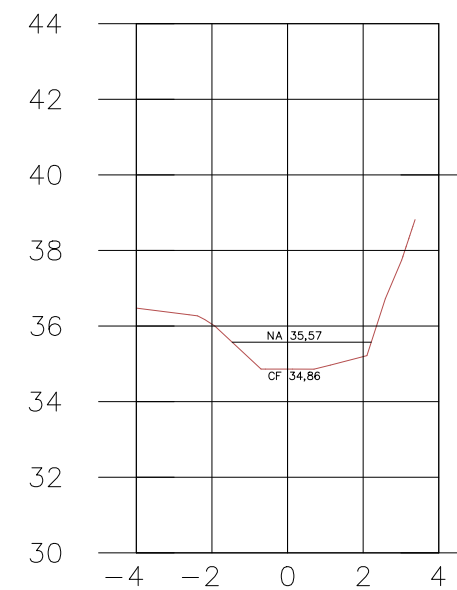
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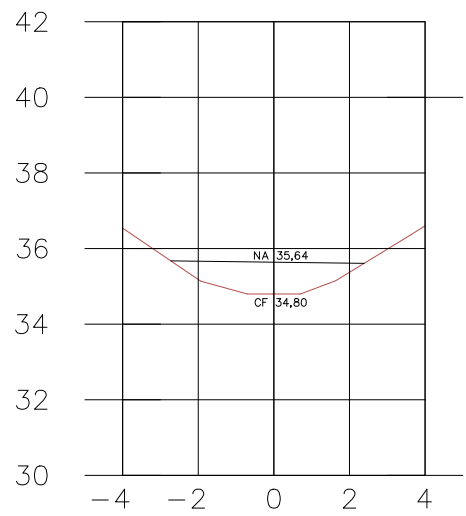
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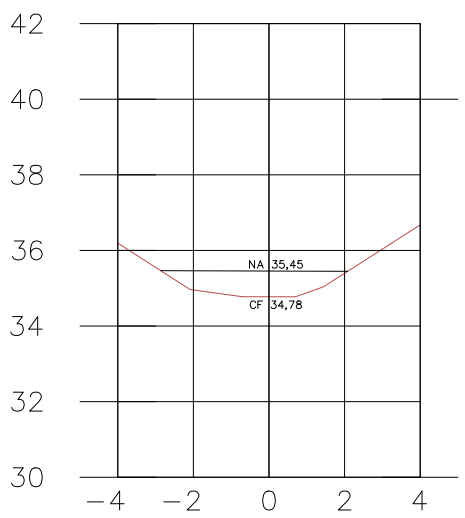
2+520.00



2+540.00



2+560.00



LEGENDA

- TERRENO NATURAL
- NIVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NIVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

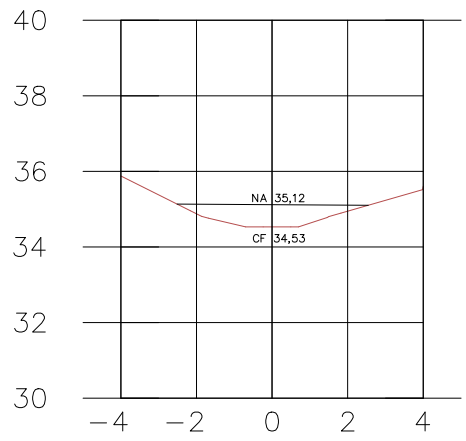
DOCUMENTOS DE REFERÊNCIA

- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

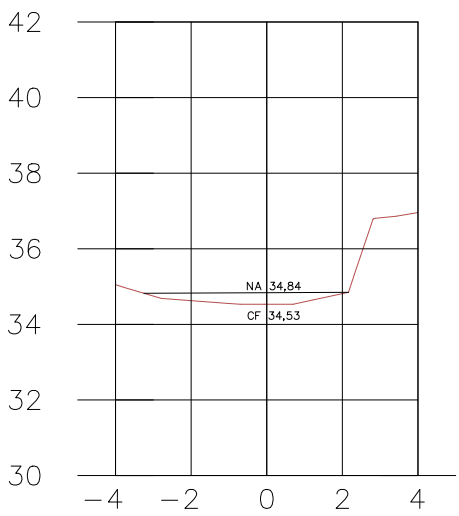
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>ANOS DE LUTA</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 2+260,00 A E 2+560,00		
<div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div>		FOLHA
<div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREIA RJ 203108201</div></div> <div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREIA RJ 203108201</div></div> <div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTILDOCREIA RJ 3631810</div></div>		16/28
DATA	AUTOR/IDENT.	NÚMERO DO DESENHO
08/05/2023	RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	DRM-BBGB-PRJ-PRQ-1-CCA-B016-DE-R0
		ESCALA
		1/200



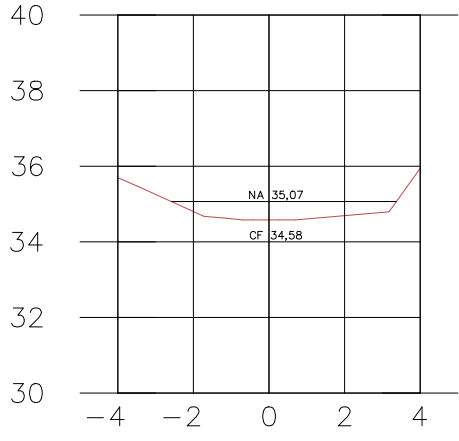
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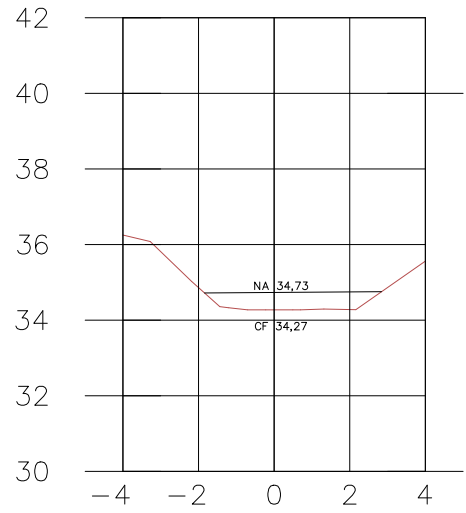
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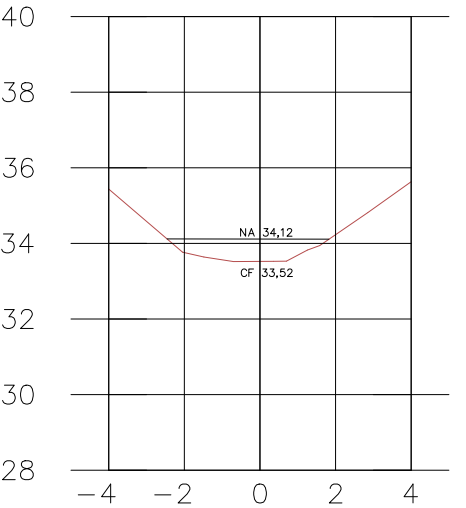
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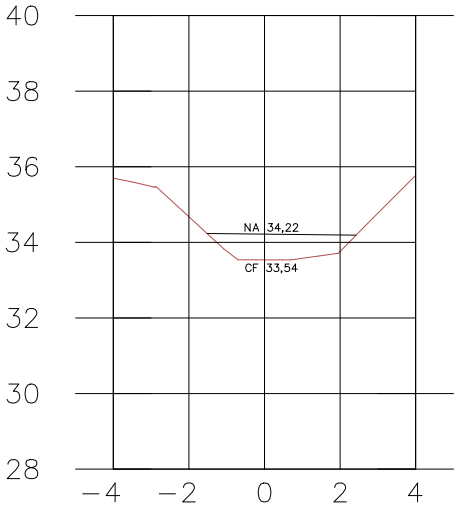
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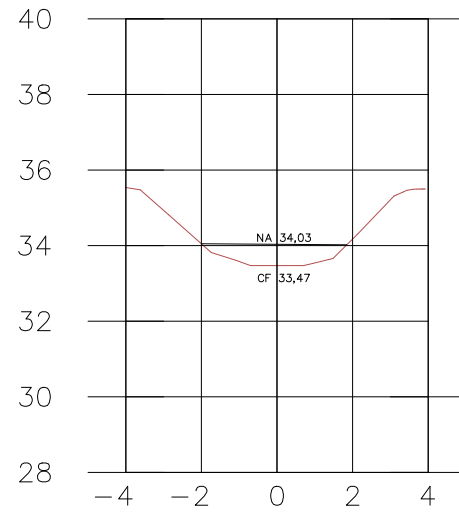
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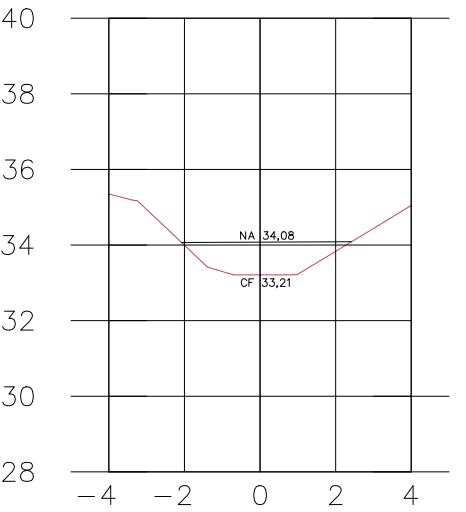
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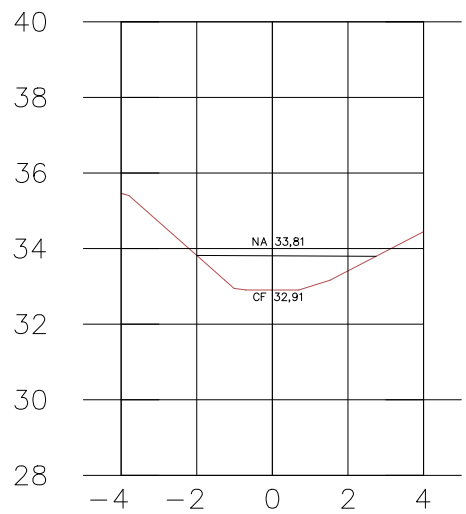
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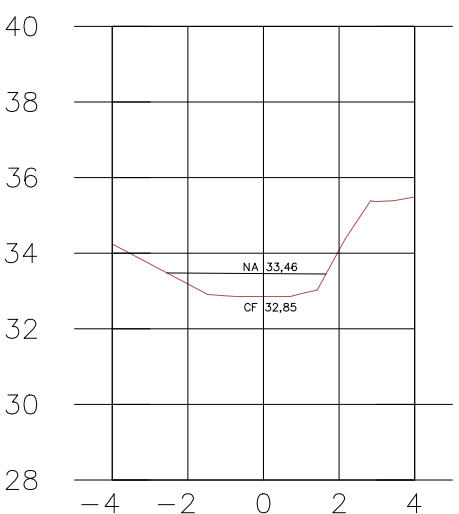
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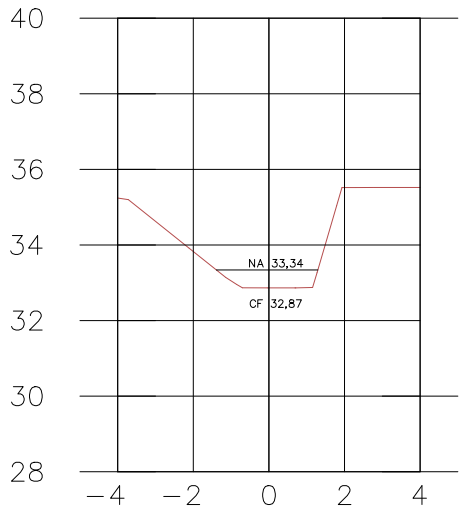
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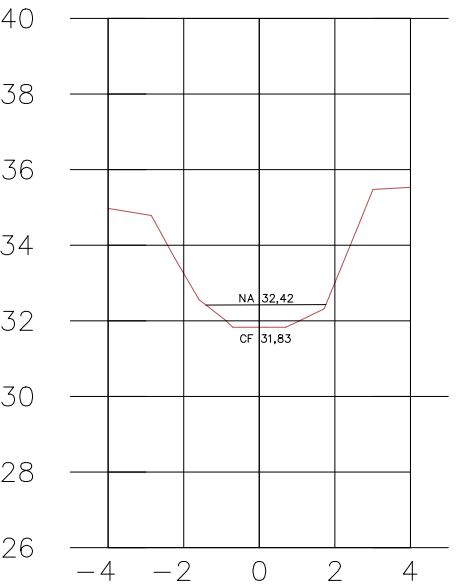
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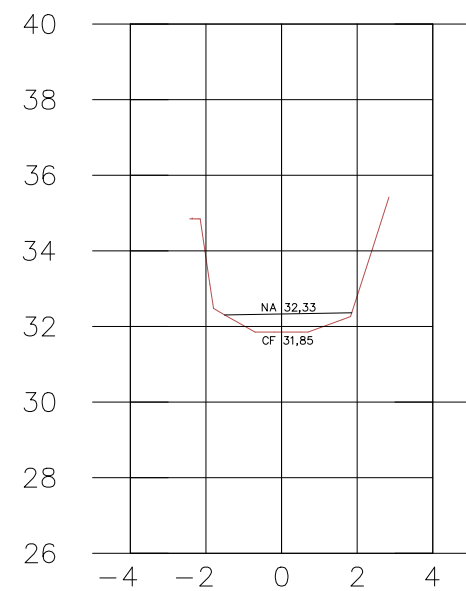
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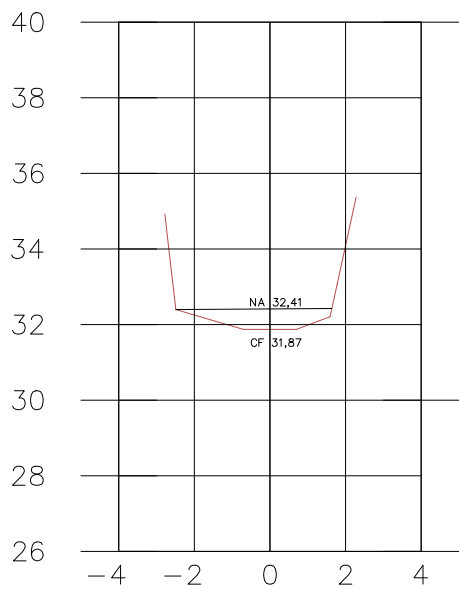
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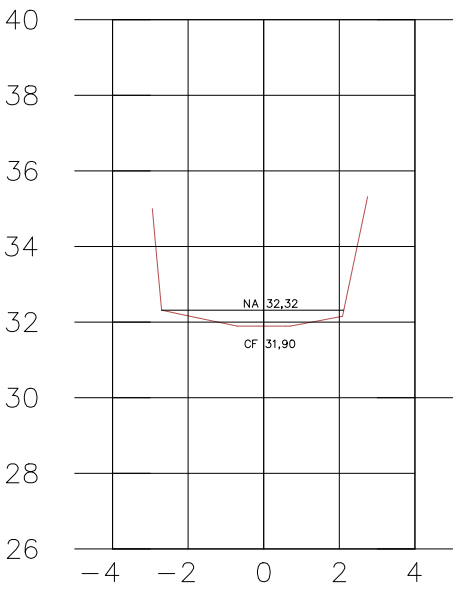
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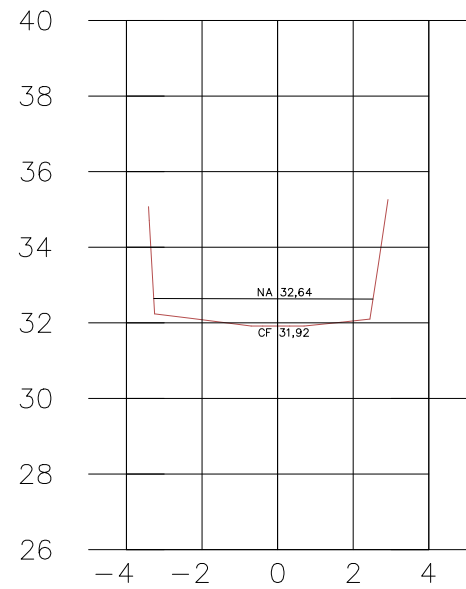
2+840.00



2+860.00



2+880.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

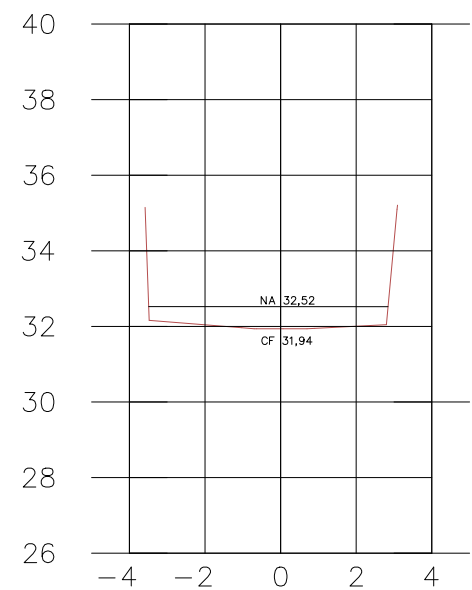
DOCUMENTOS DE REFERÊNCIA

- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

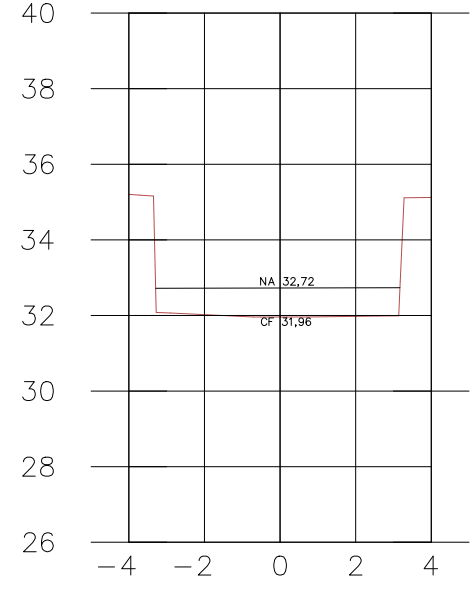
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 2+580,00 A E 2+880,00		
<div><div><div>CONSORCIO APONTO TECNICO DBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREA RJ 203106201</div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARRAS AMBICREA RJ 203106201</div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREA RJ 3631810</div></div></div>		FOLHA 17/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B017-DE-R0
ESCALA 1/200		



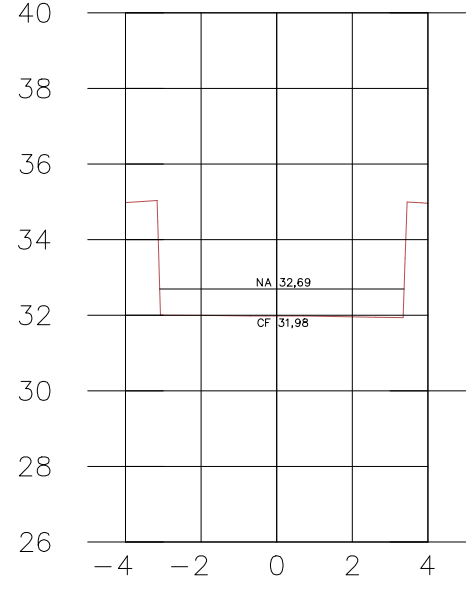
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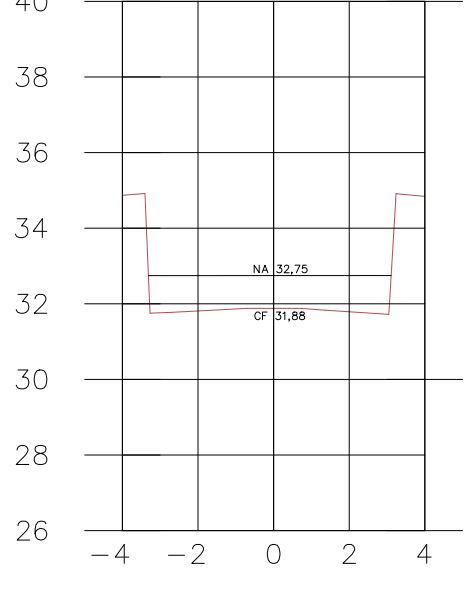
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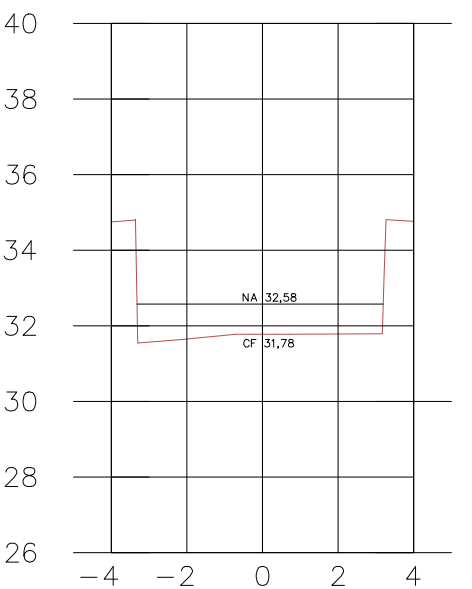
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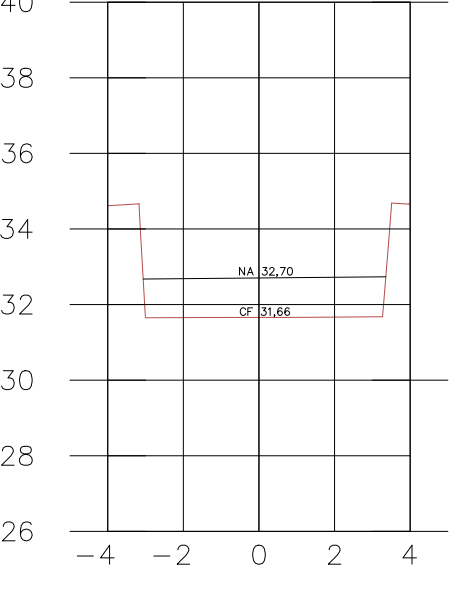
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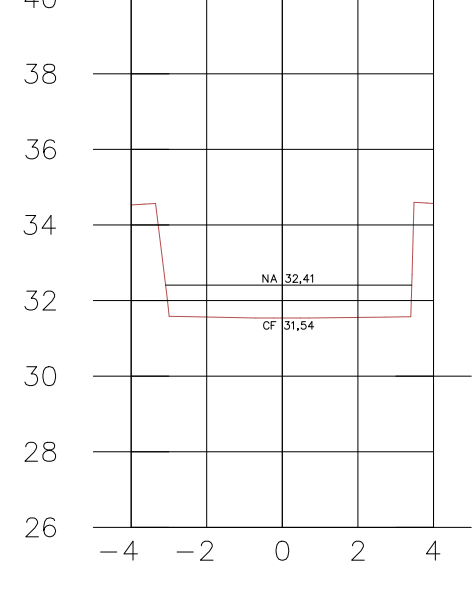
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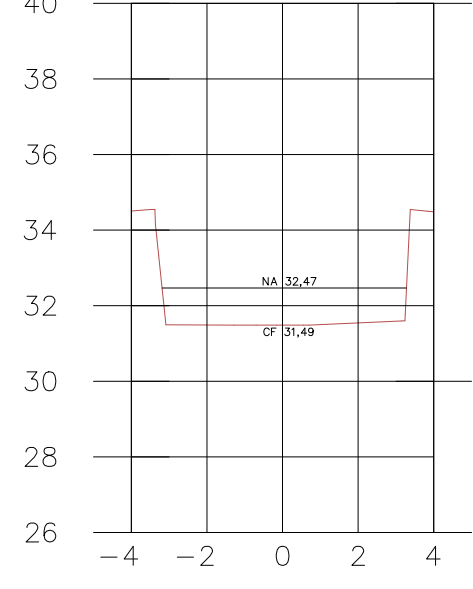
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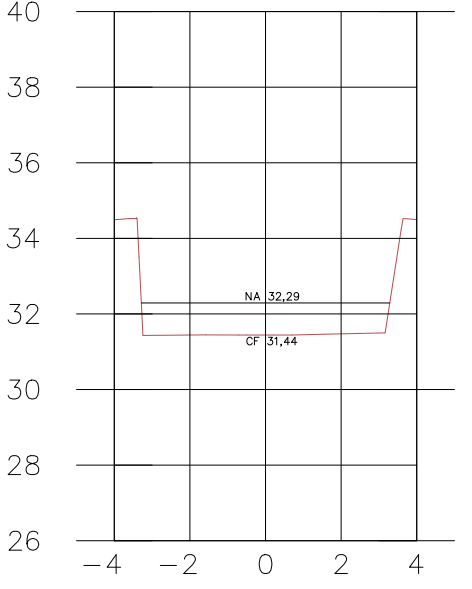
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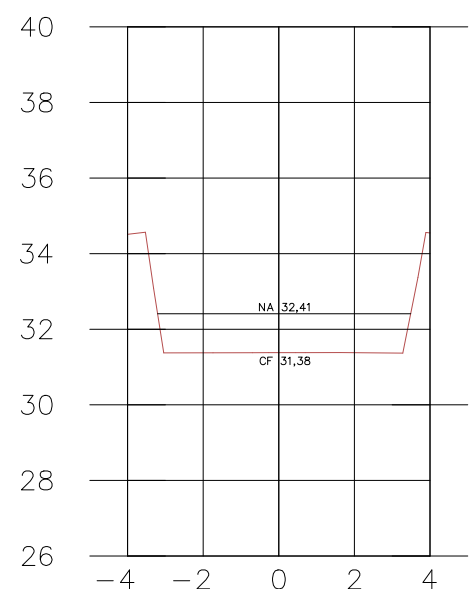
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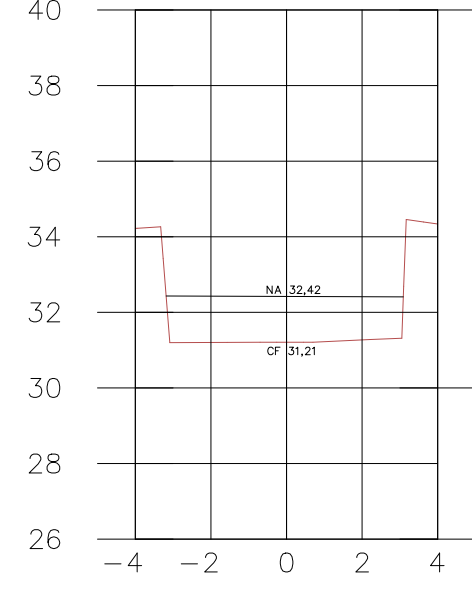
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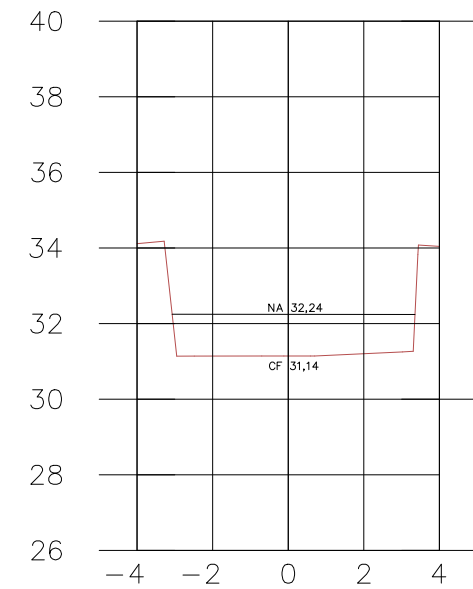
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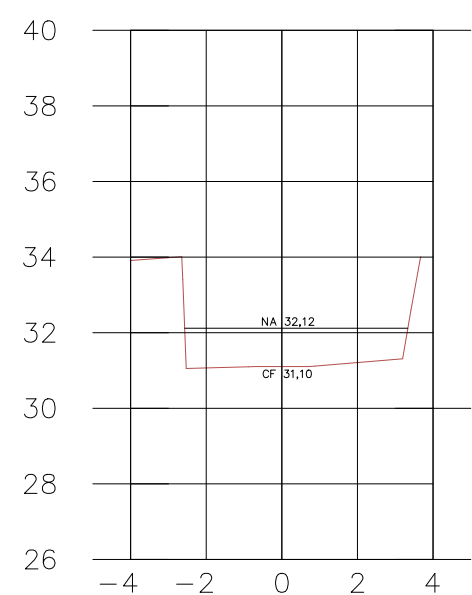
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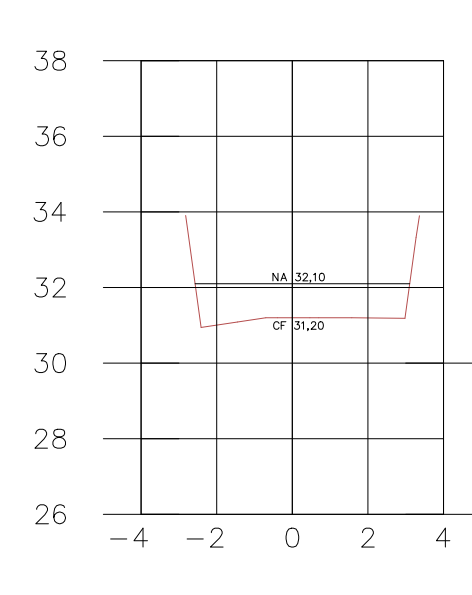
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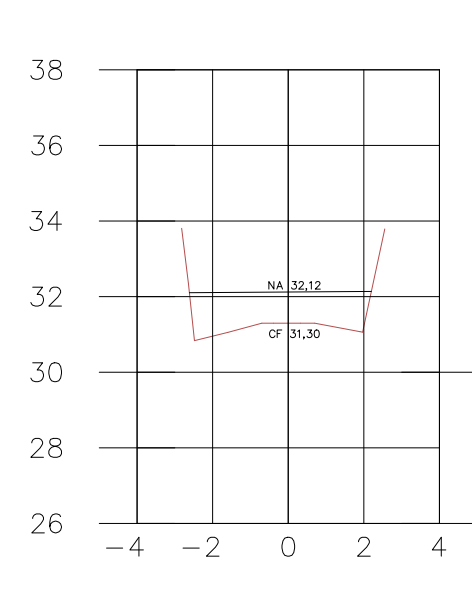
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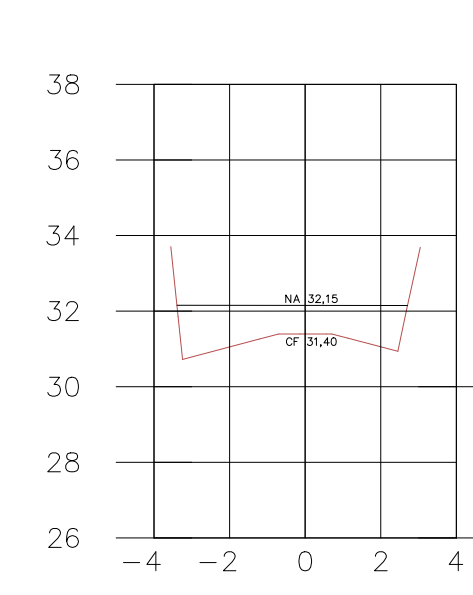
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3+180.00



3+200.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

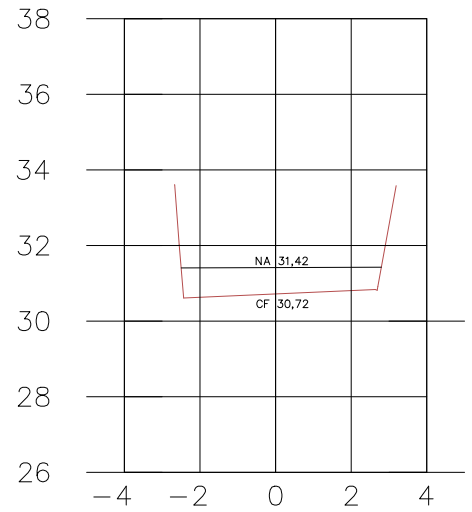
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

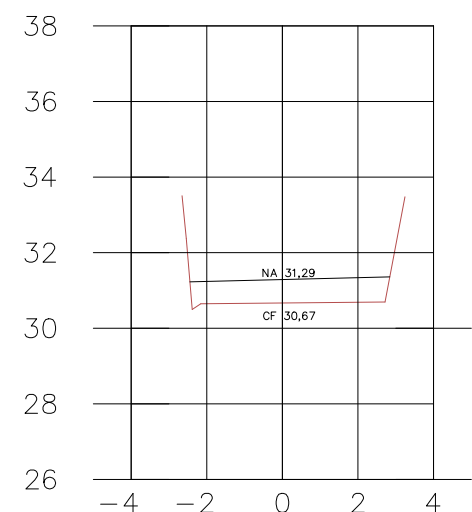
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>Paraná de águas 30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 2+900,00 A E 3+200,00		
<div><div><div>CONSORCIO APONTO TÉCNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TÉCNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREA RJ 203108201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREA RJ 203108201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREA RJ 3631810</div></div></div>		FOLHA 18/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B018-DE-R0
		ESCALA 1/200



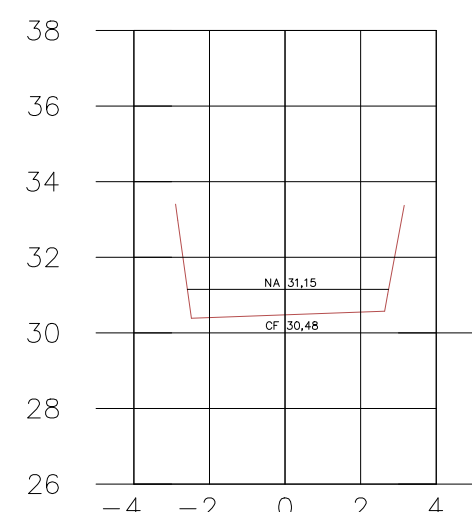
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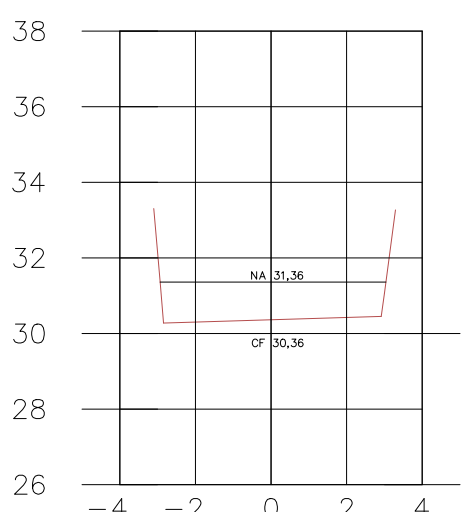
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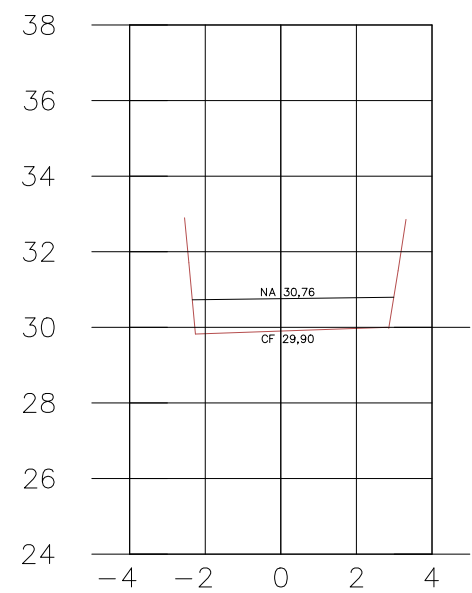
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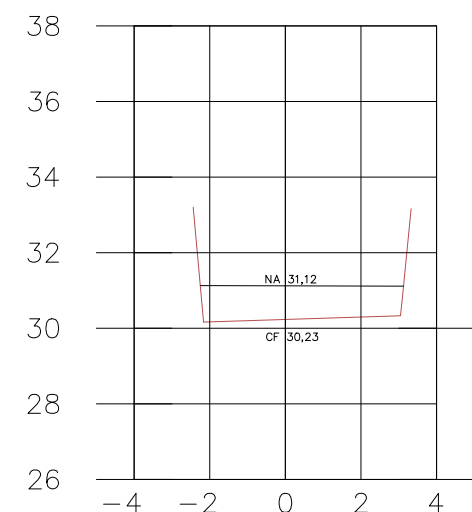
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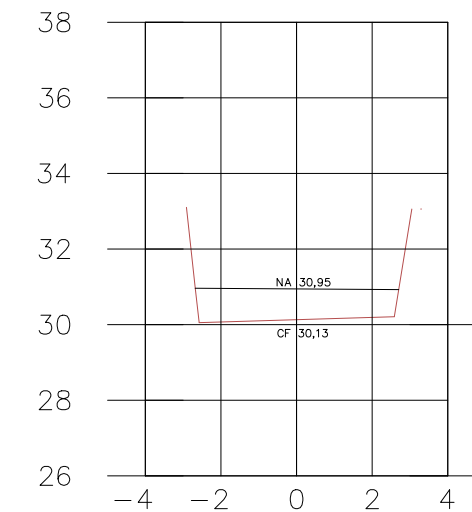
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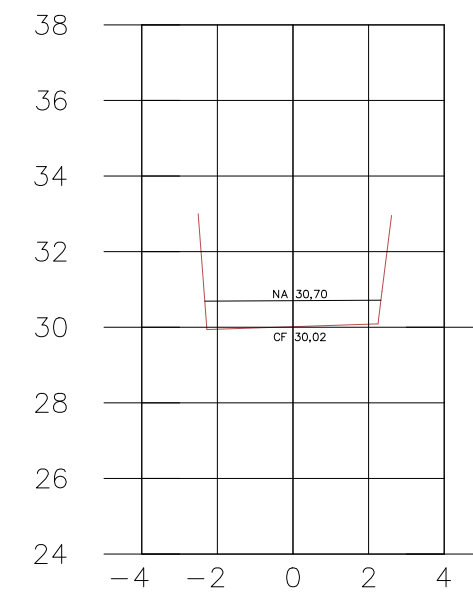
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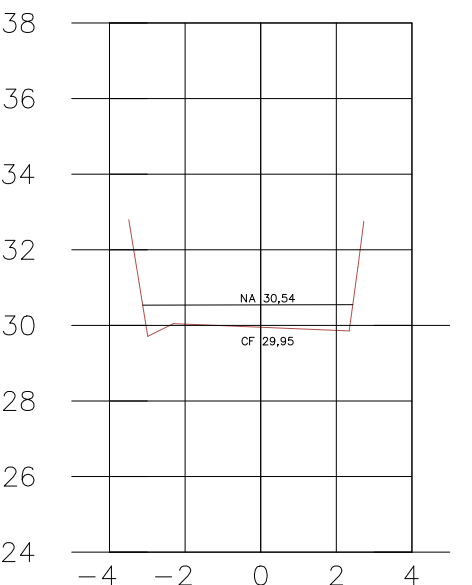
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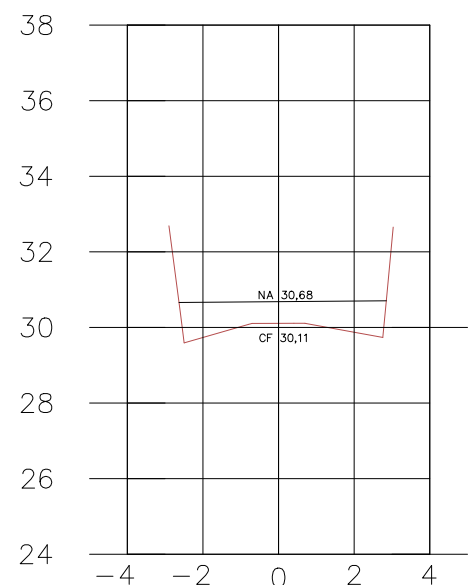
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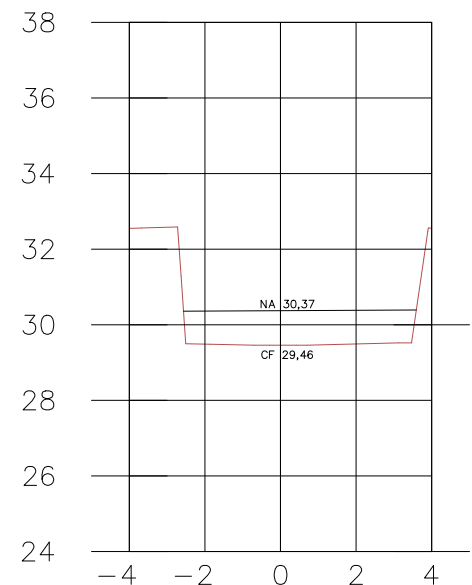
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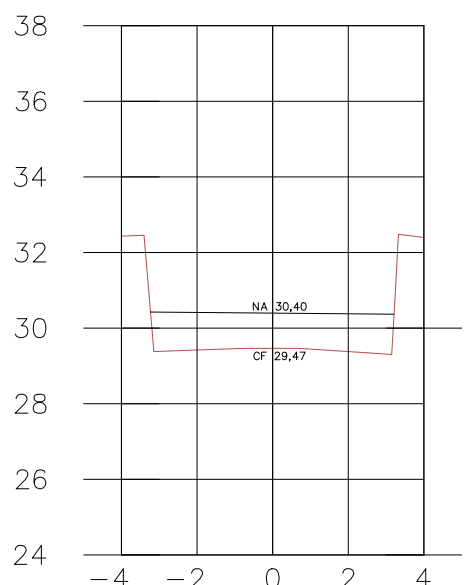
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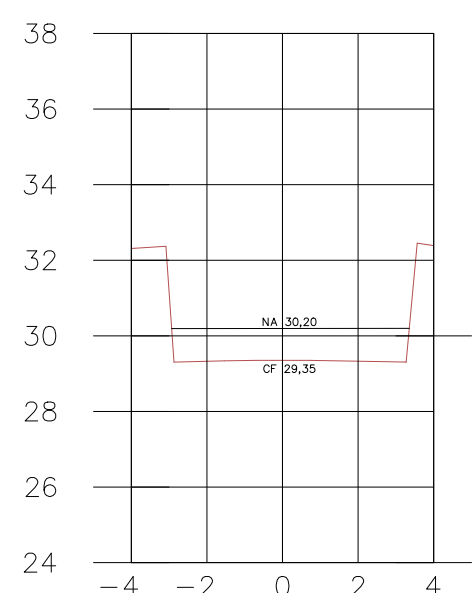
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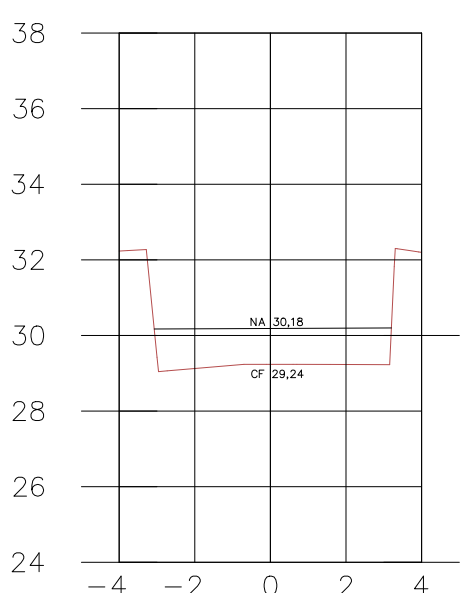
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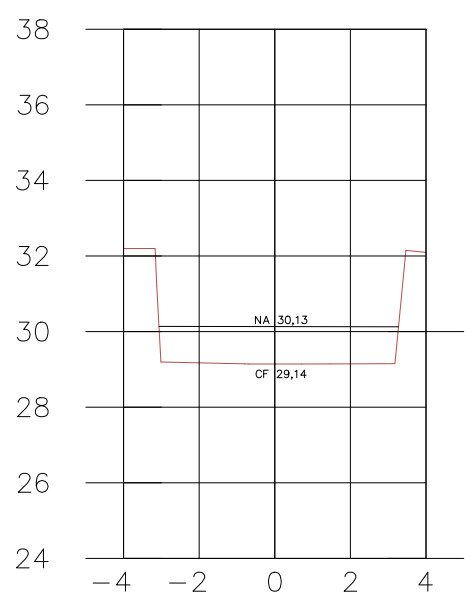
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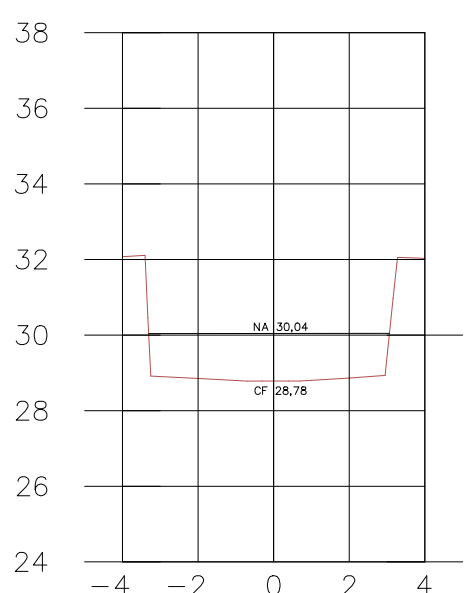
3+480.00



3+500.00



3+520.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

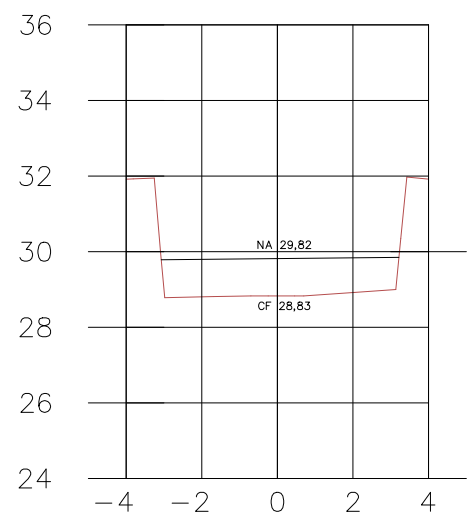
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

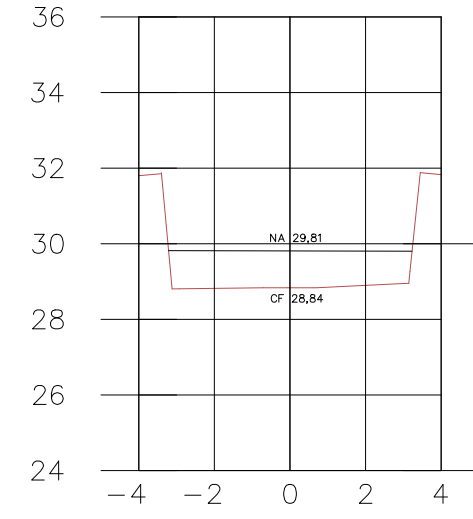
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 3+220,00 A E 3+520,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINIS AMBICREIA RJ 203106201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINIS AMBICREIA RJ 203106201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREIA RJ 3631840</div></div></div>		FOLHA 19/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B019-DE-R0
		ESCALA 1/200



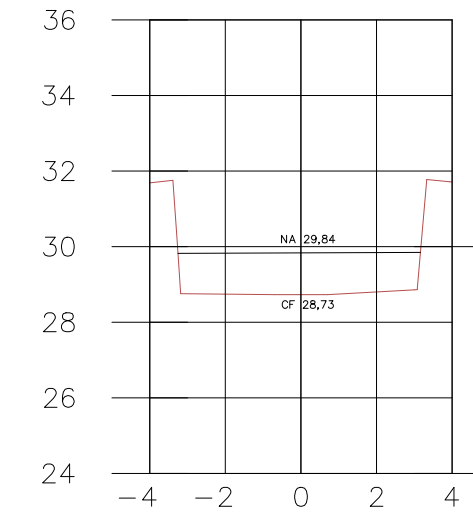
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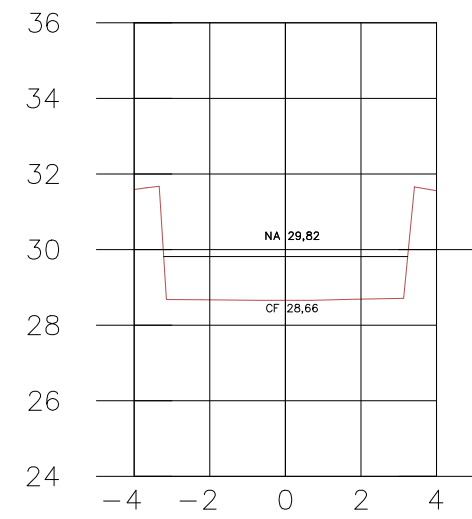
3+560.00



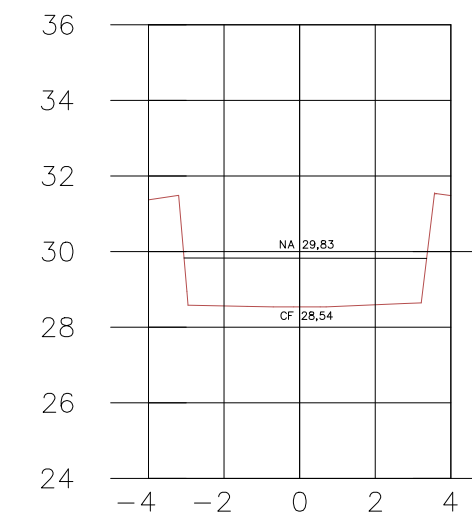
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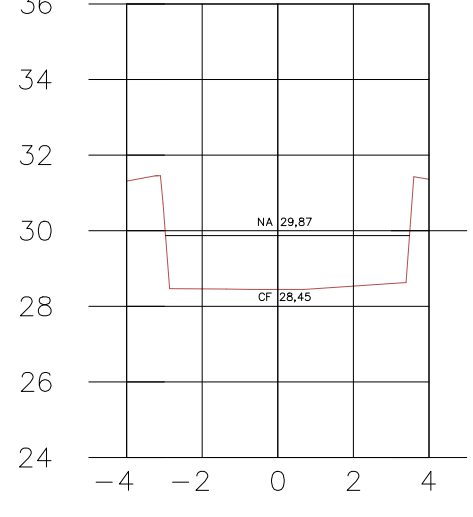
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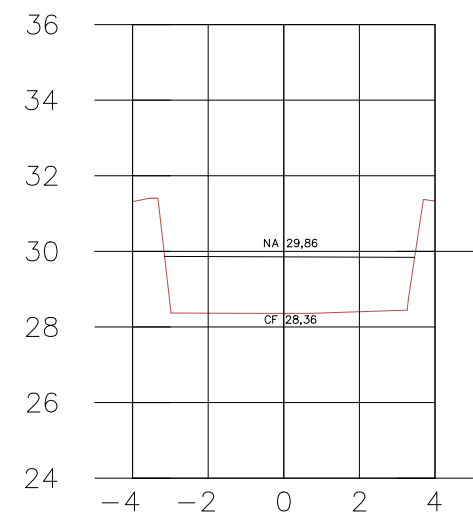
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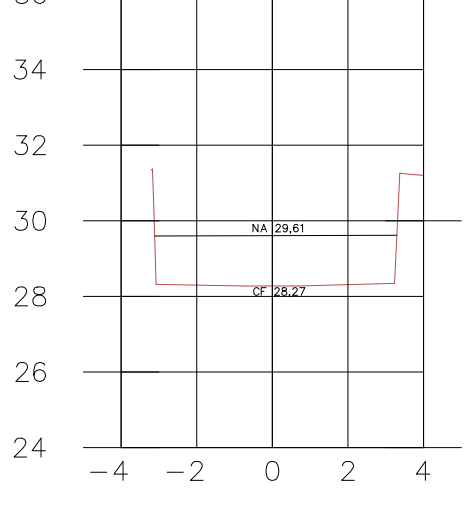
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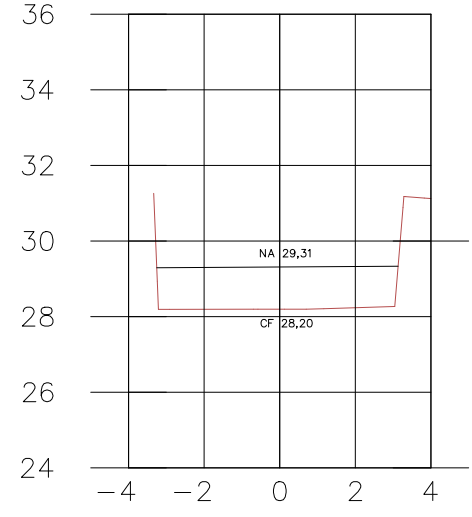
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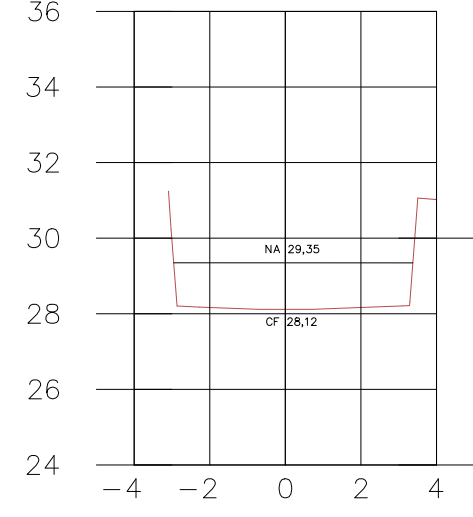
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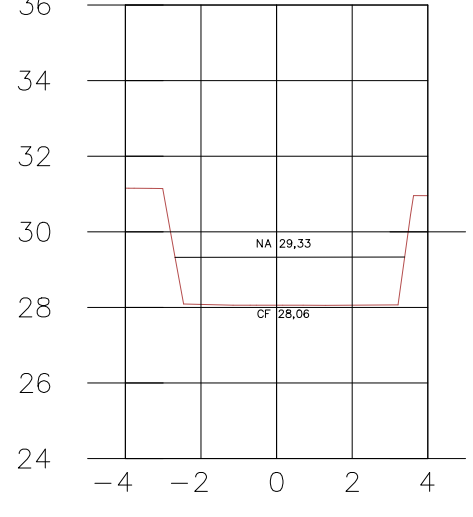
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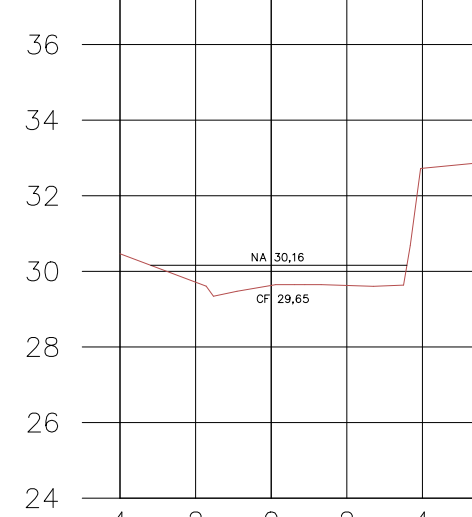
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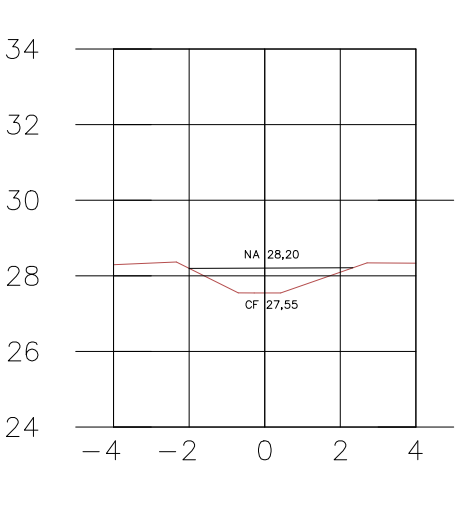
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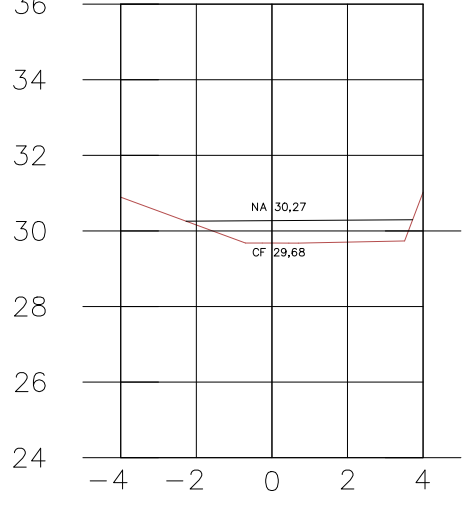
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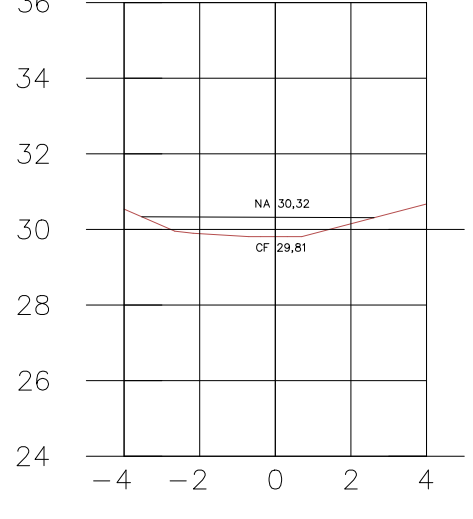
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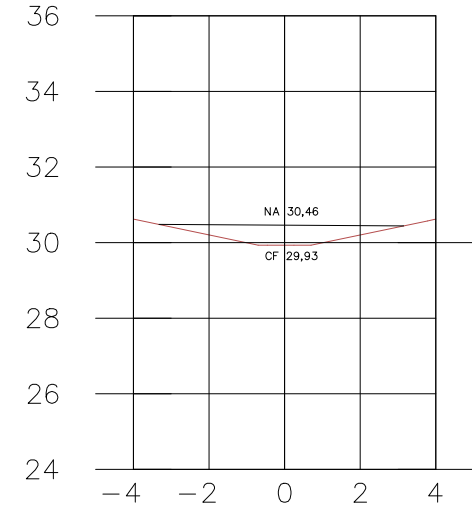
3+800.00



3+820.00



3+840.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

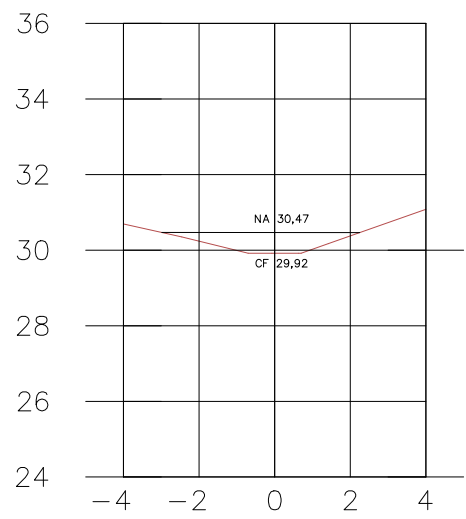
- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

DOCUMENTOS DE REFERÊNCIA

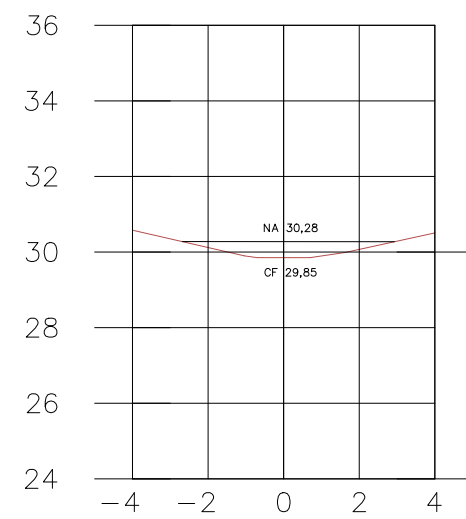
- 1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>ANOS DE ANOS 30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 3+540,00 A E 3+840,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 202310821</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 202310821</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTILDO CREIA RJ 3631810</div></div></div>		FOLHA 20/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B020-DE-R0
		ESCALA 1/200

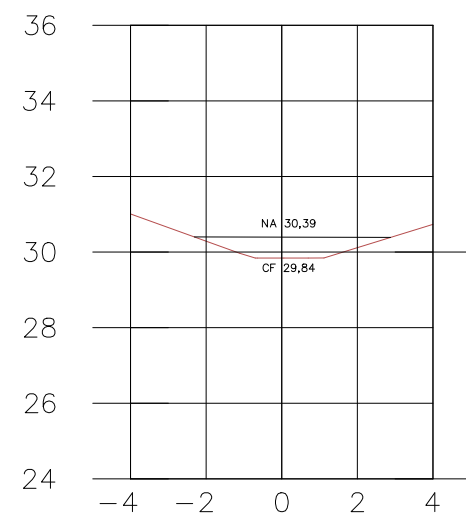
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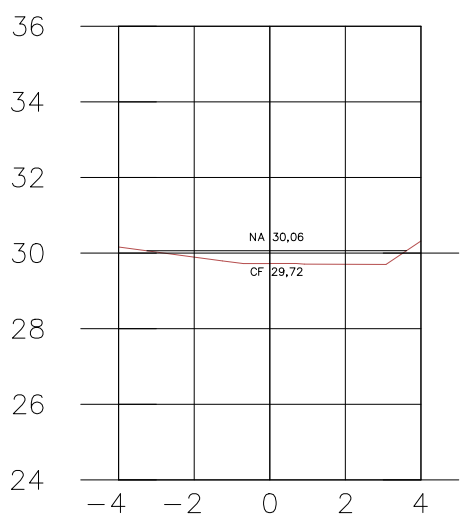
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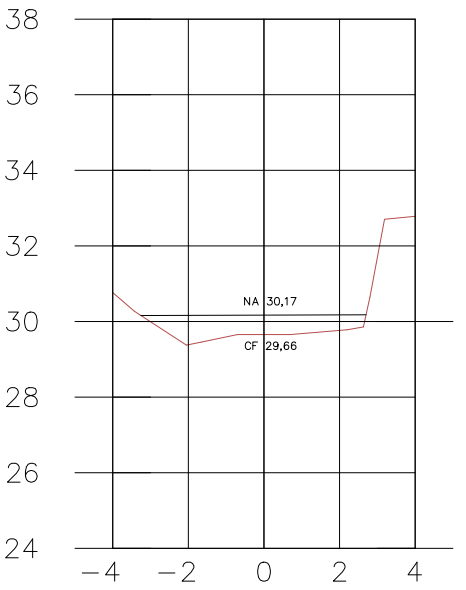
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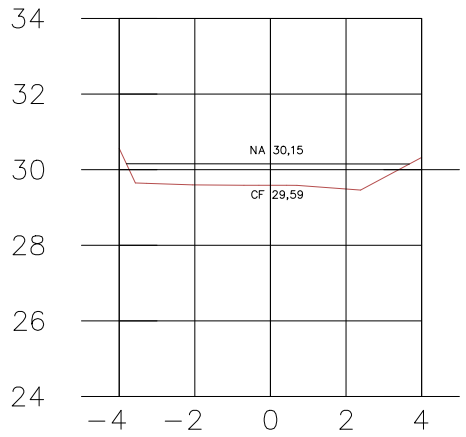
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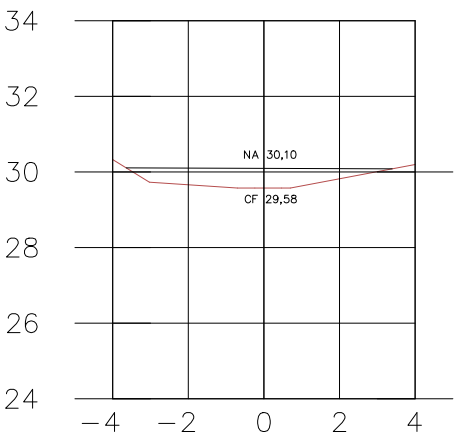
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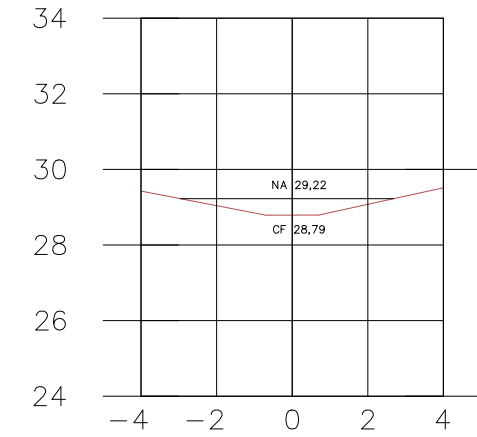
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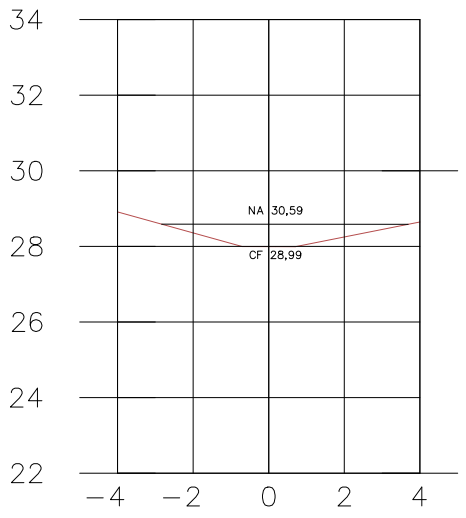
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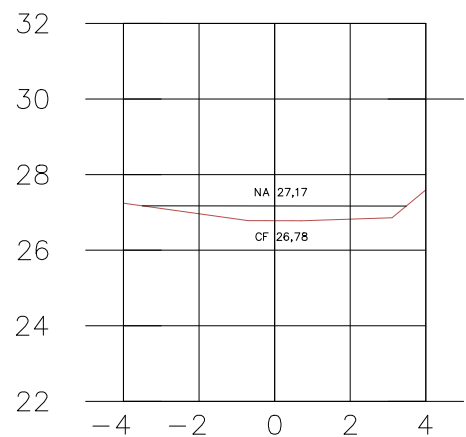
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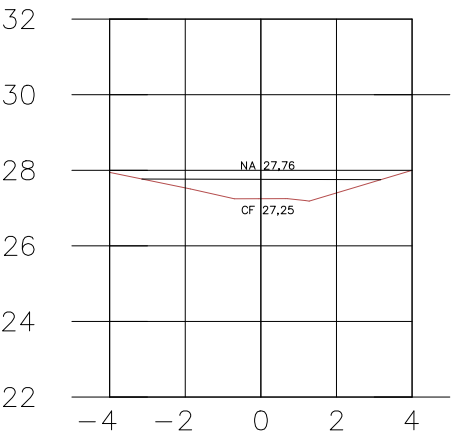
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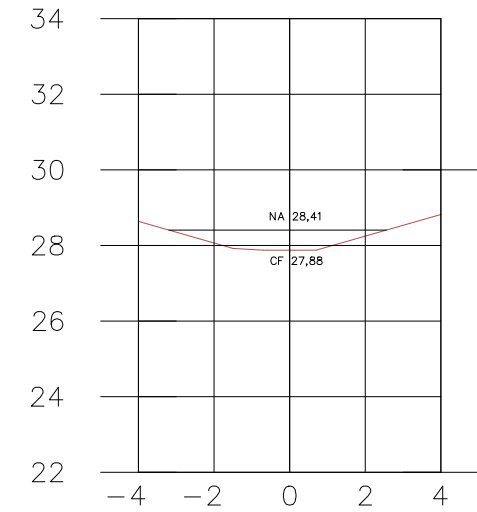
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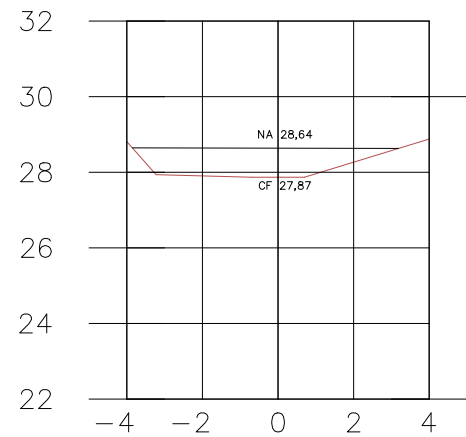
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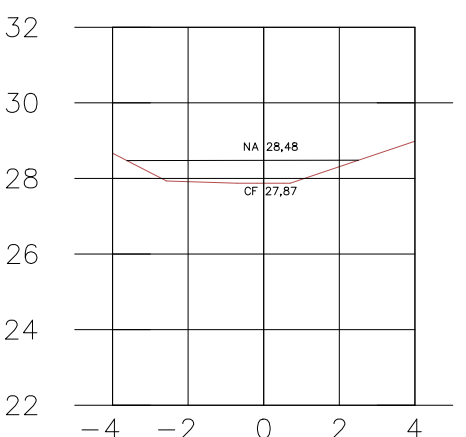
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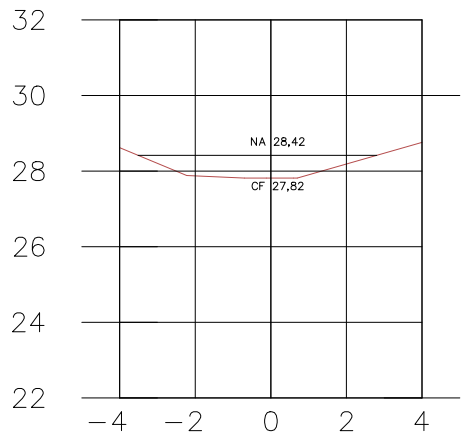
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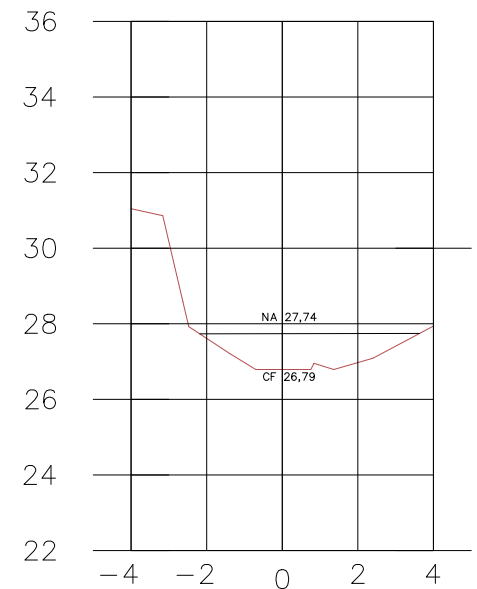
4+120.00



4+140.00



4+160.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

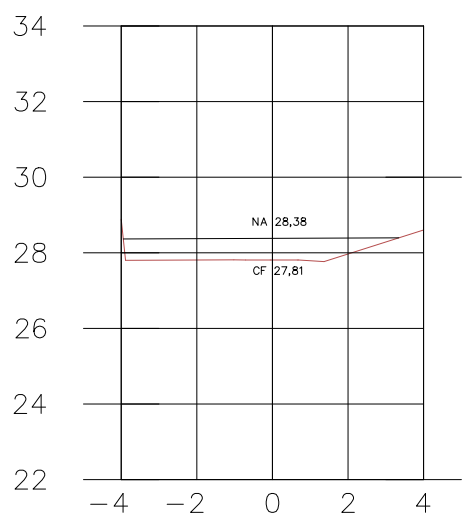
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

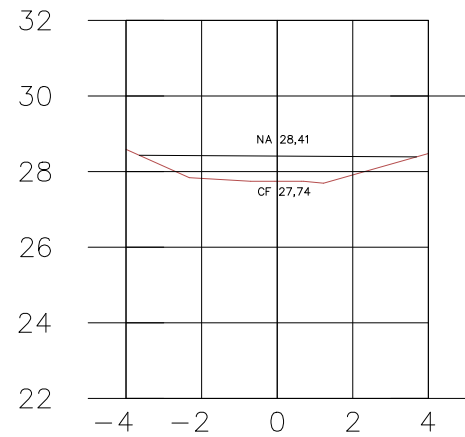
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>ANOS 30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 3+860,00 A E 4+160,00		
<div><div><div>CONSORCIO APONTO TÉCNICO DIBBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TÉCNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL / RJ 203510621</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL / RJ 203510621</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GOMES DOS REIS / RJ 3631910</div></div></div>		FOLHA 21/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B021-DE-R0 ESCALA 1/200



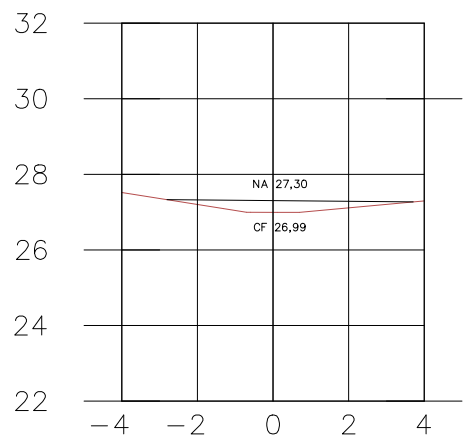
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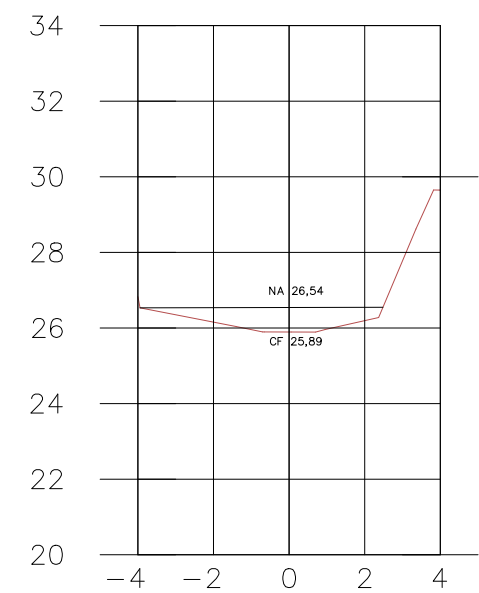
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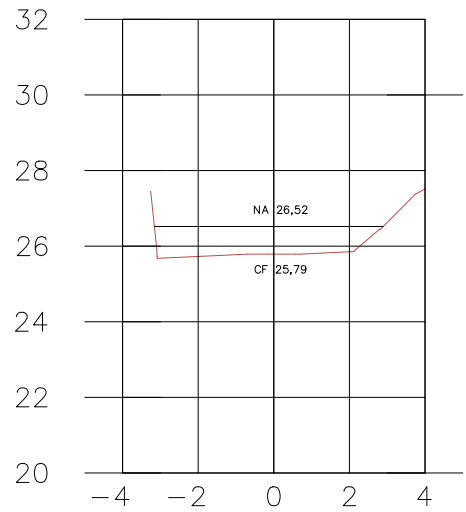
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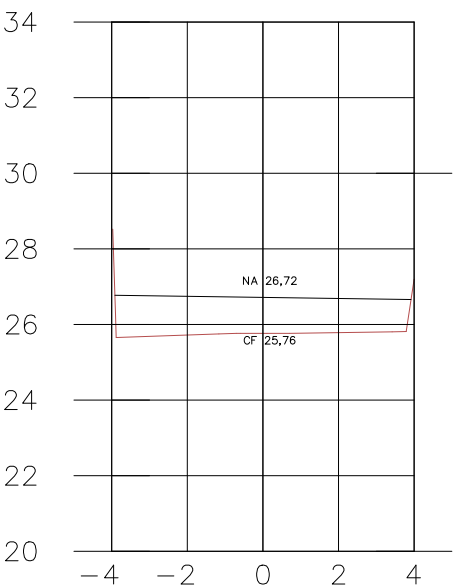
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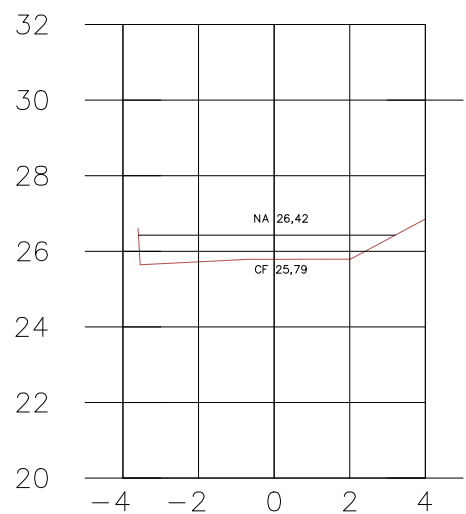
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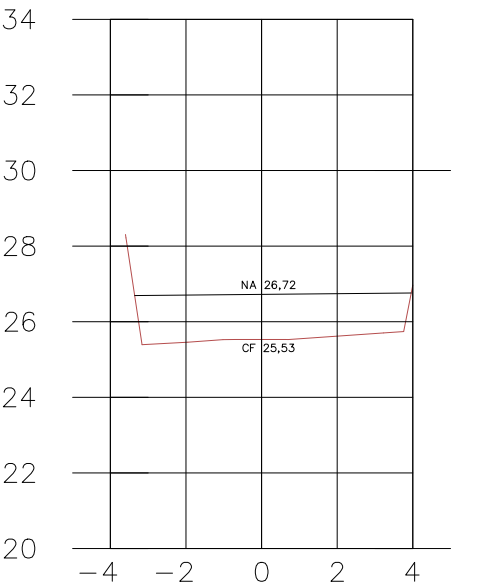
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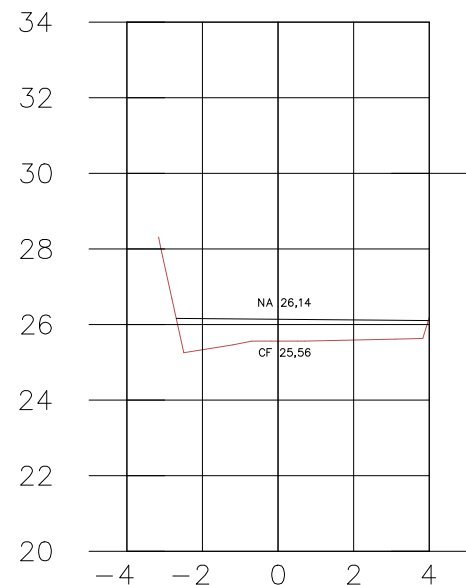
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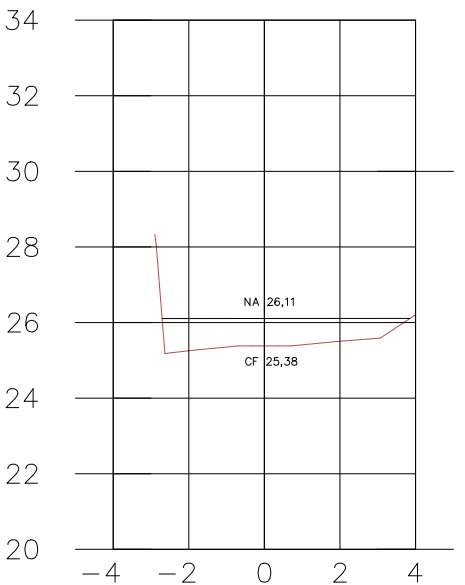
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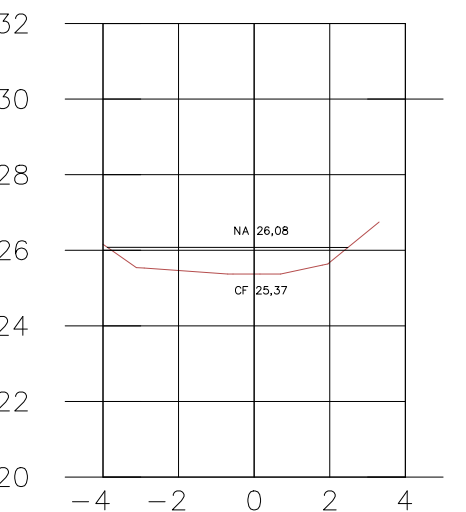
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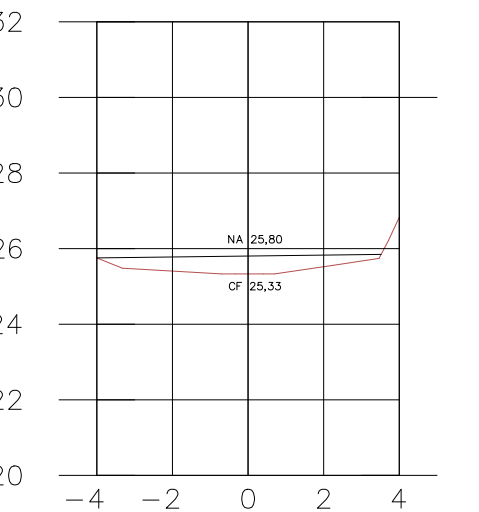
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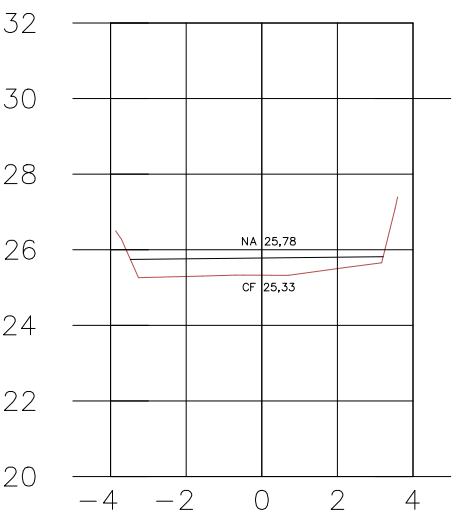
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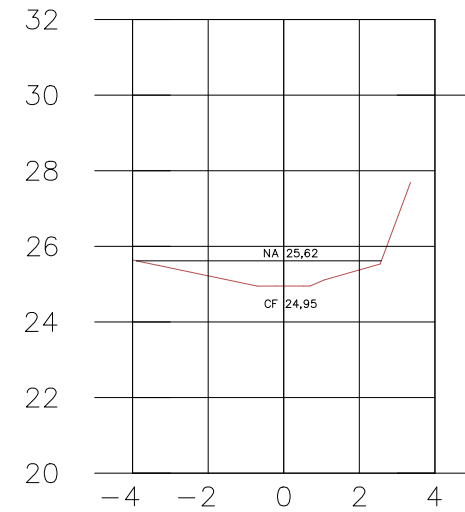
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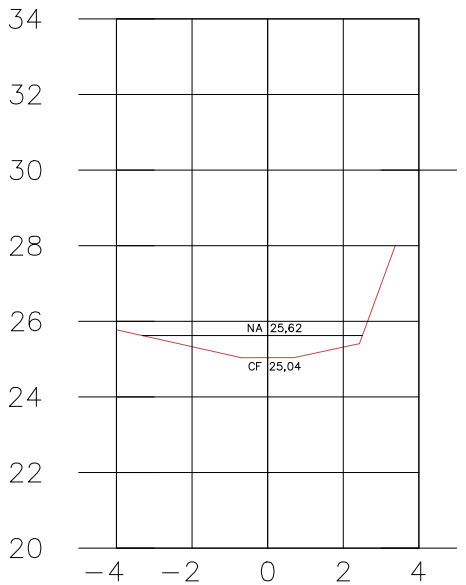
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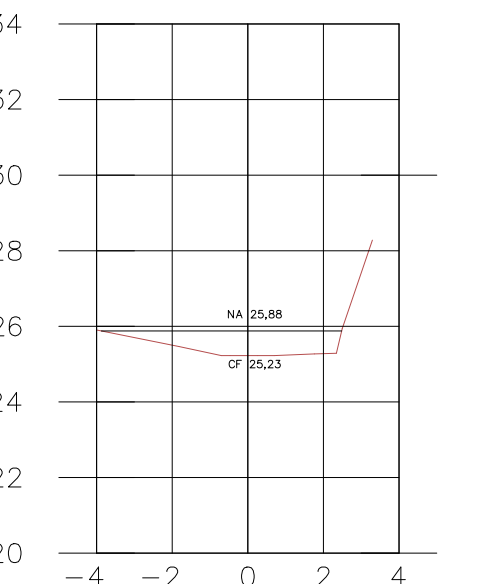
4+440.00



4+460.00



4+480.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

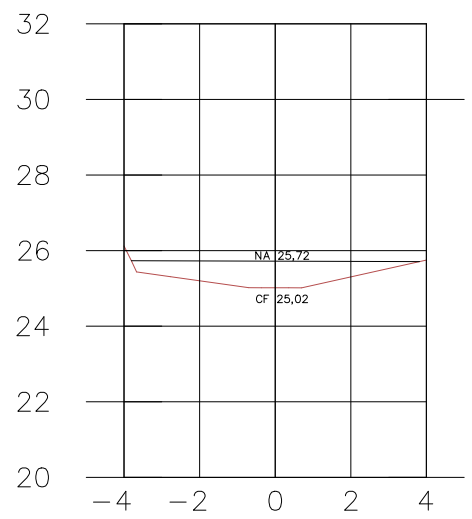
- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

DOCUMENTOS DE REFERÊNCIA

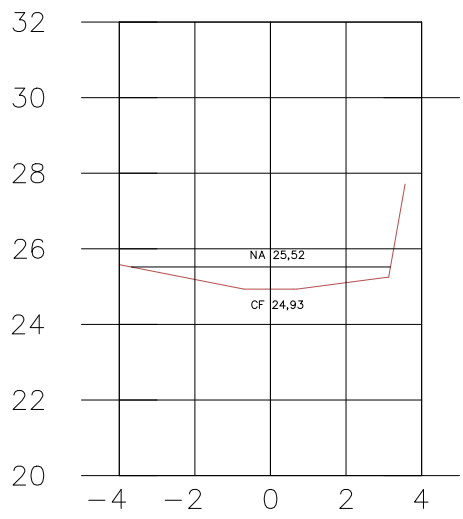
1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>ANOS DE ANOS 30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 4+180,00 A E 4+480,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBIBAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO: CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>PROJETISTA: CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMARAL</div><div>APROVADOR: CREA OU CAU</div><div>JOSÉ AUGUSTO GOMES DE OLIVEIRA</div></div></div>		FOLHA 22/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-8022-DE-R0
		ESCALA 1/200

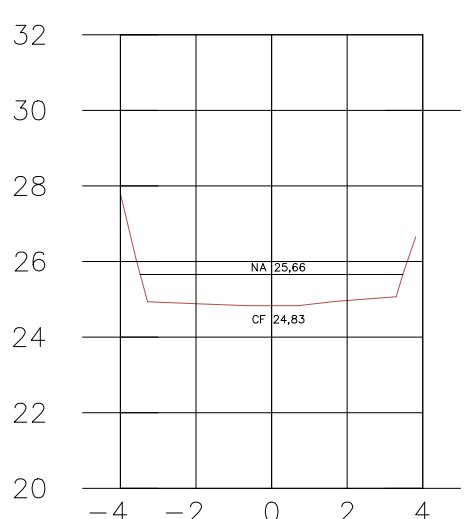
4+500.00



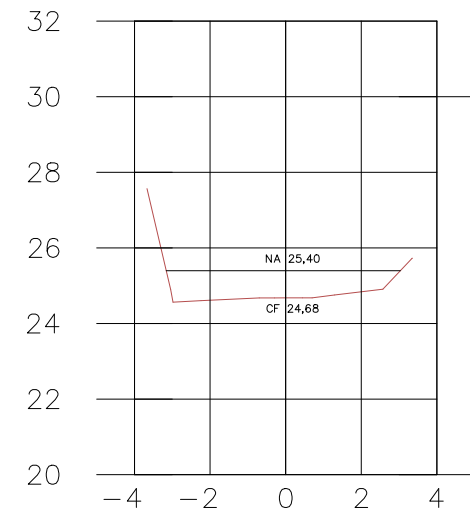
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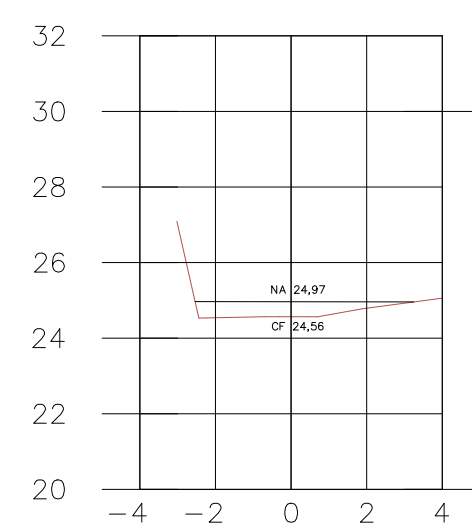
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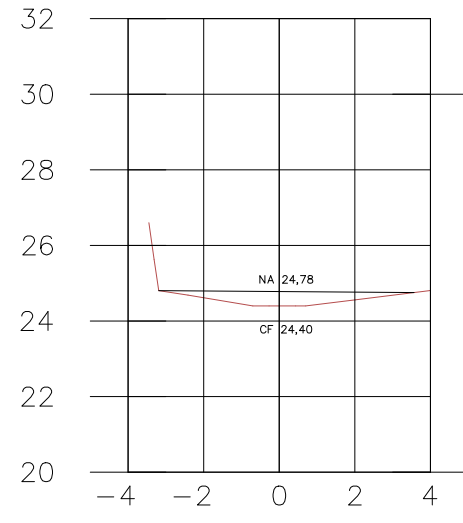
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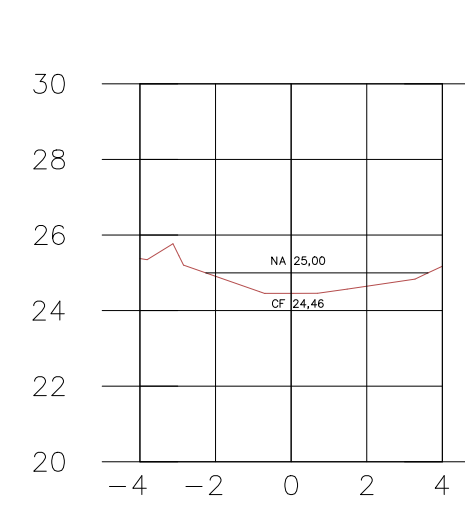
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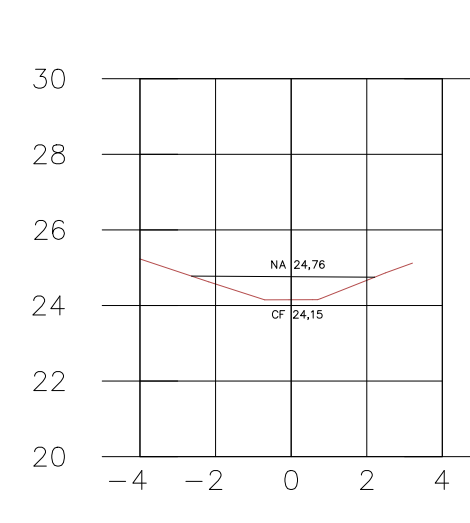
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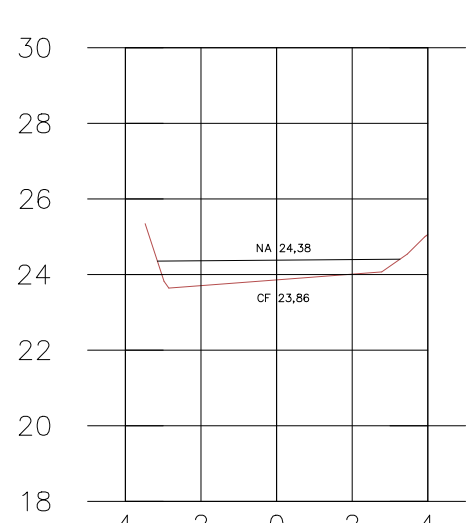
4+620.00



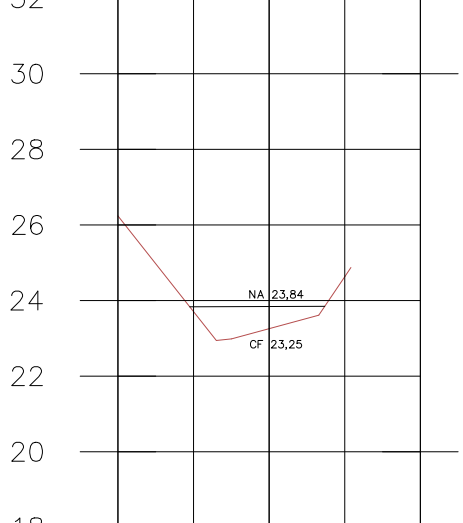
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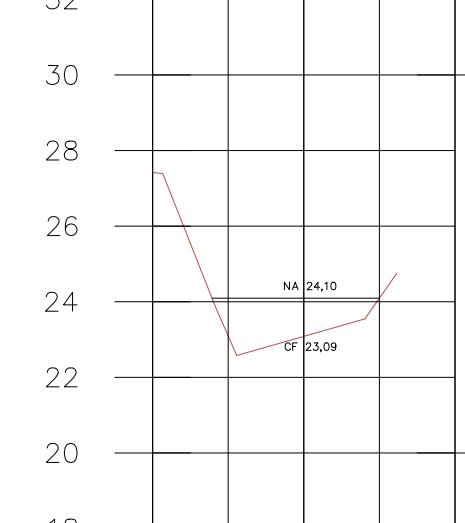
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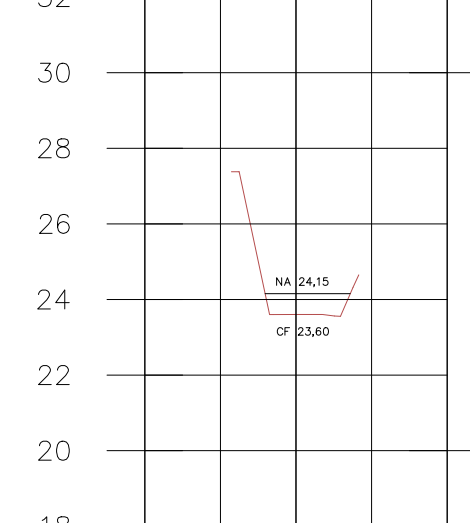
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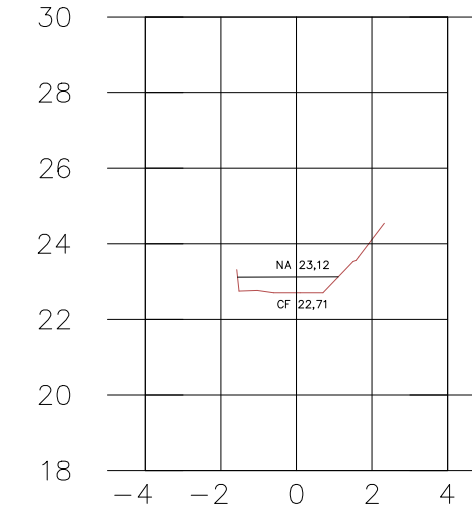
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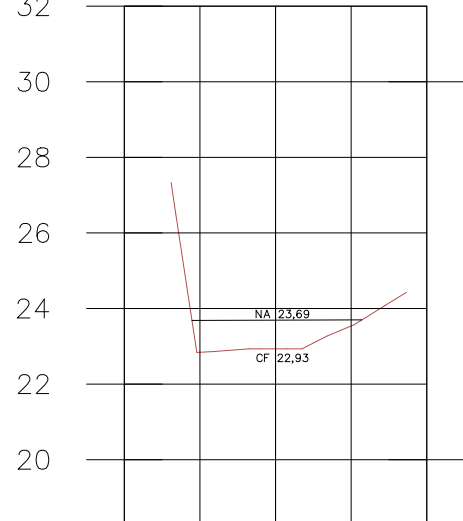
4+720.00



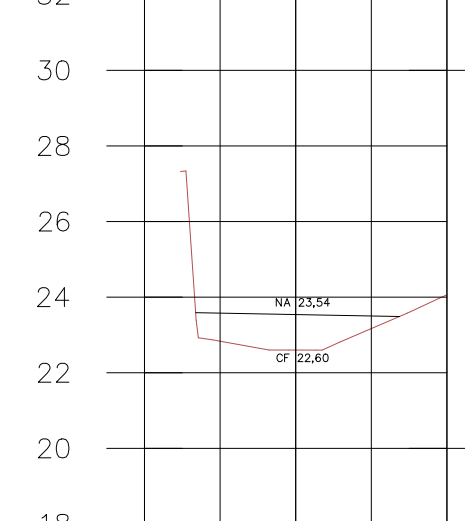
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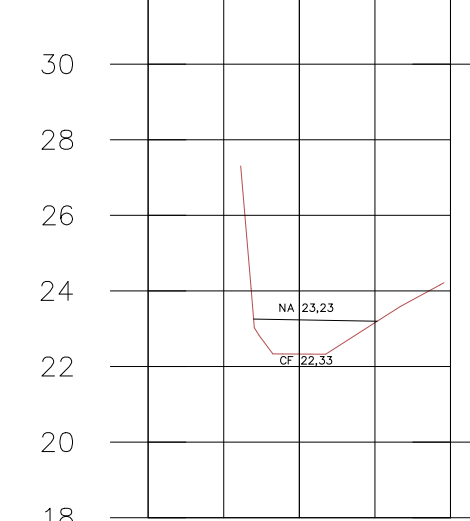
4+760.00



4+780.00



4+800.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

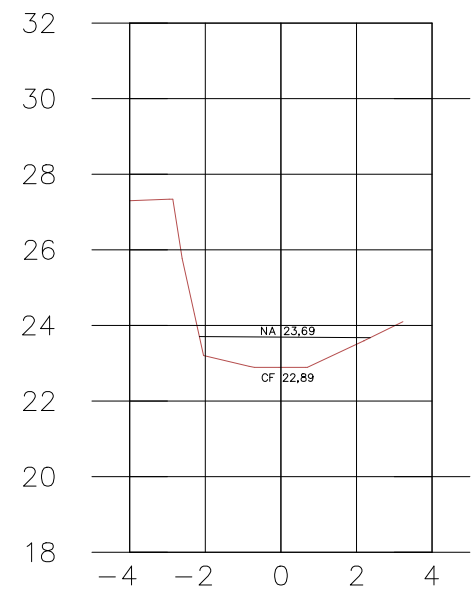
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

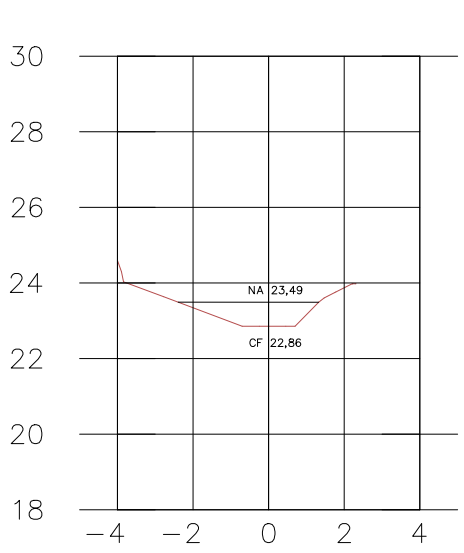
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div><div><div></div><div>inea</div></div><div><div>instituto estadual</div><div>do ambiente</div></div></div><div><div>Secretaria de</div><div>Ambiente e</div><div>Sustentabilidade</div></div><div><div><div><div></div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div></div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 4+500,00 A E 4+800,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div><div></div><div>cobrape</div></div><div><div>Aquila</div><div>Engenharia</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREARJ. 203106201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREARJ. 203106201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREARJ. 3631810</div></div></div></div>		FOLHA 23/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B023-DE-R0 ESCALA 1/200



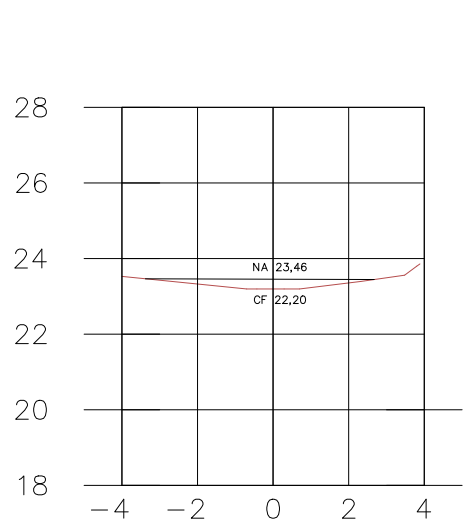
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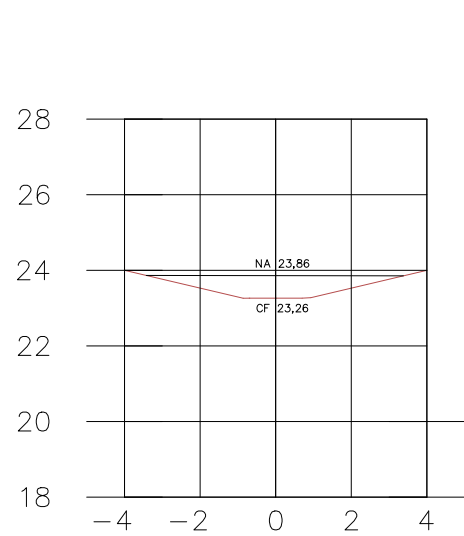
4+840.00



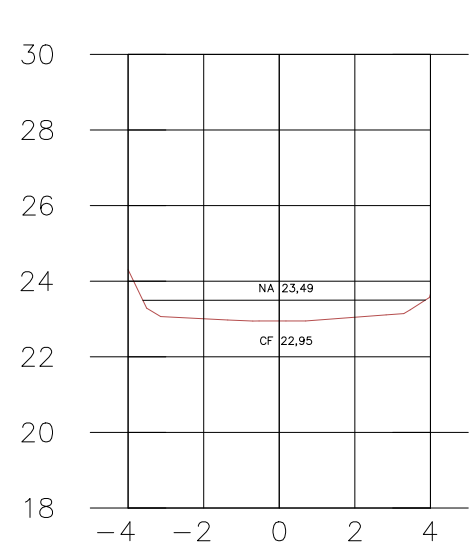
4+860.00



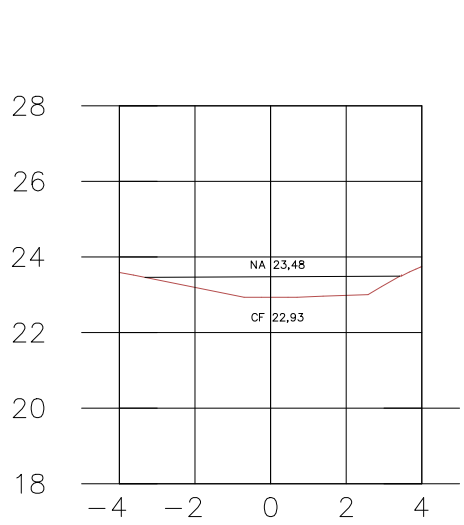
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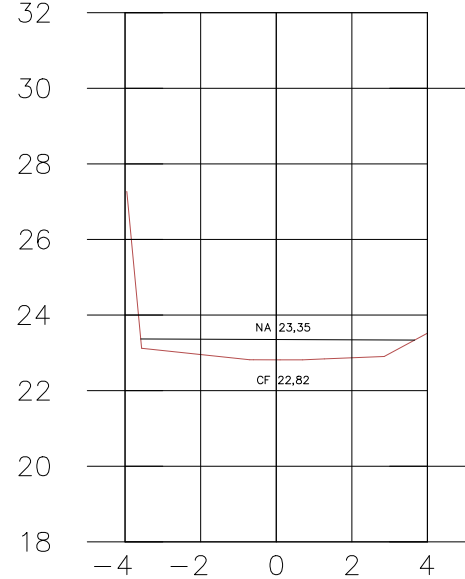
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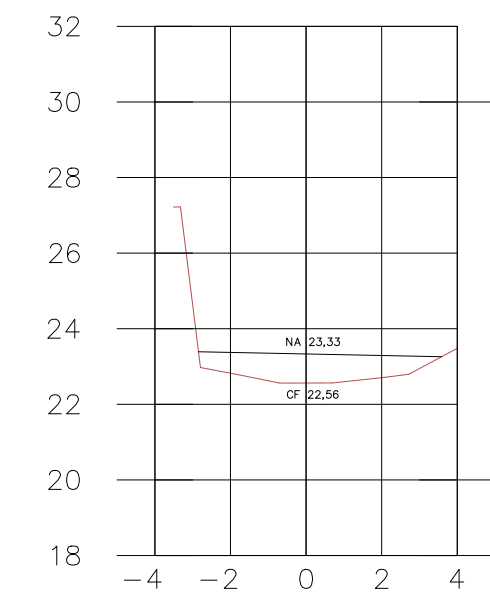
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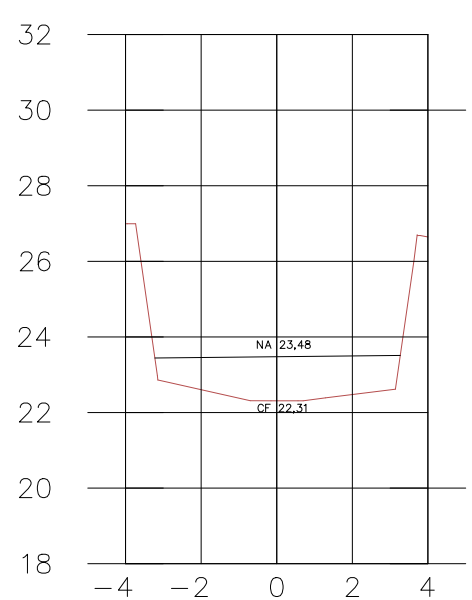
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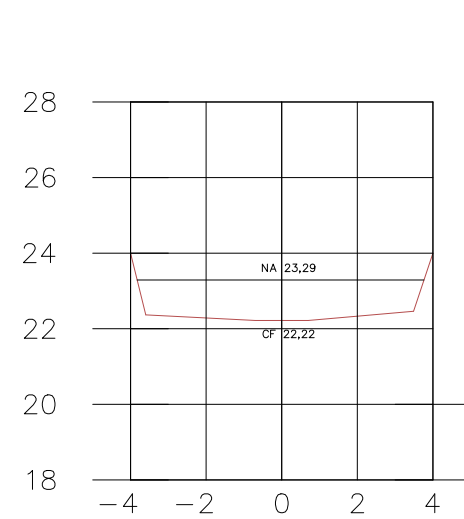
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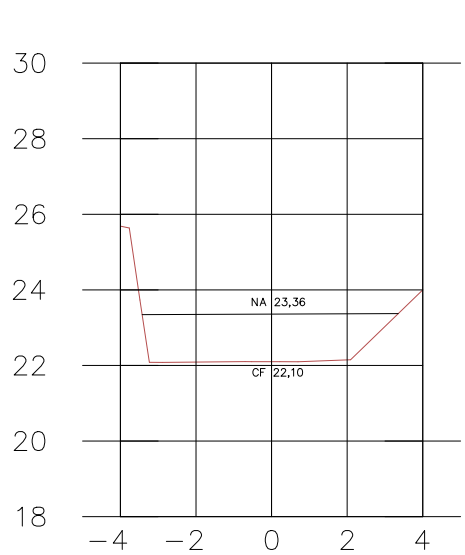
4+980.00



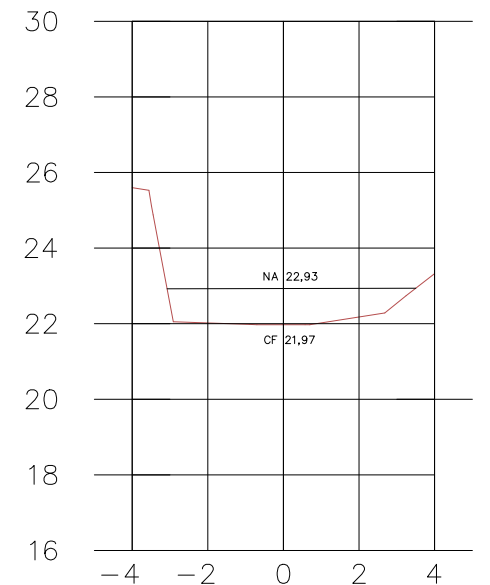
5+000.00



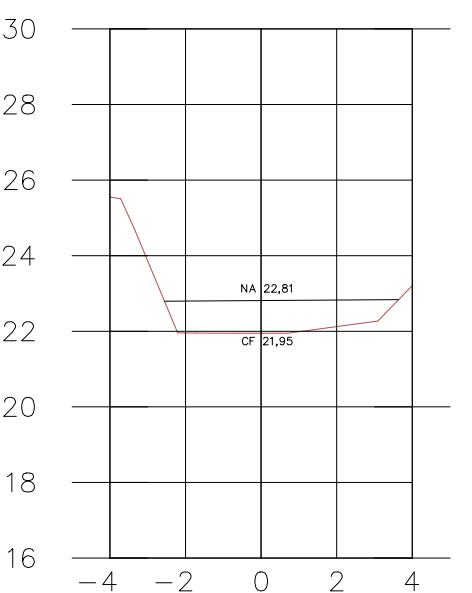
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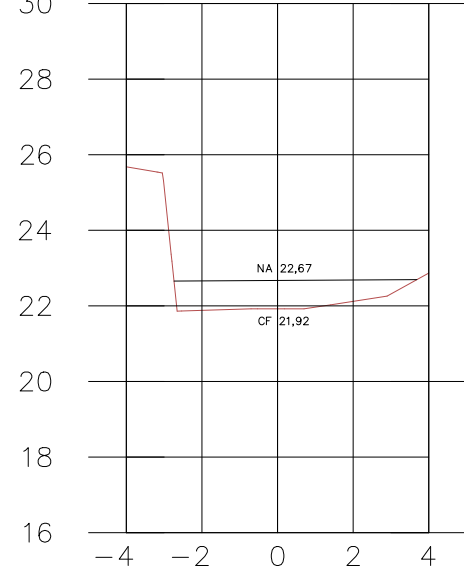
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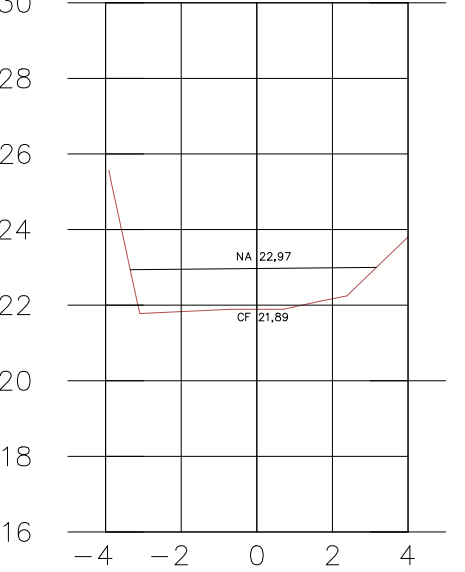
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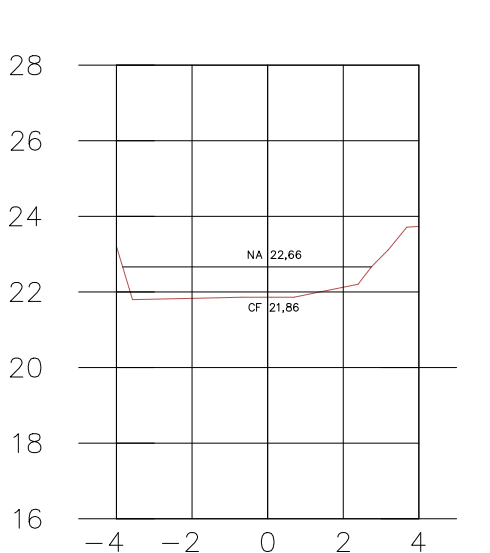
5+080.00



5+100.00



5+120.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

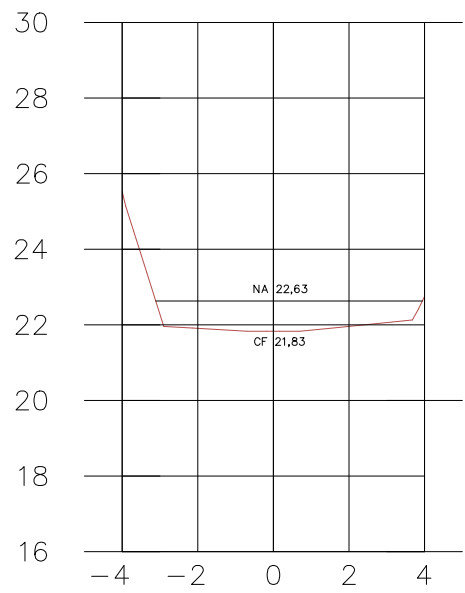
- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

DOCUMENTOS DE REFERÊNCIA

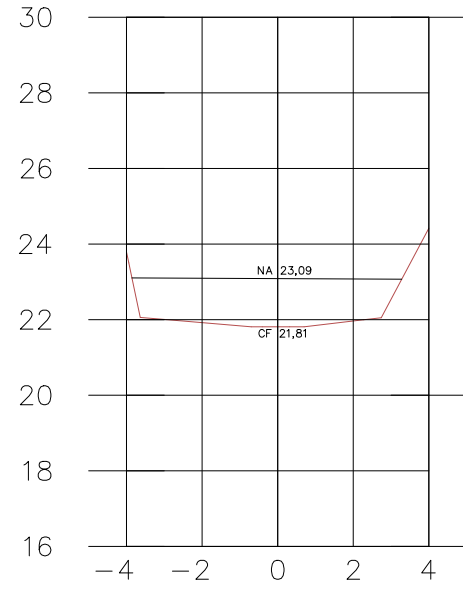
1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 4+820,00 A E 5+120,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 203106201</div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 203106201</div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTILDO CREIA RJ 3631840</div></div></div>		FOLHA 24/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B024-DE-R0 ESCALA 1/200

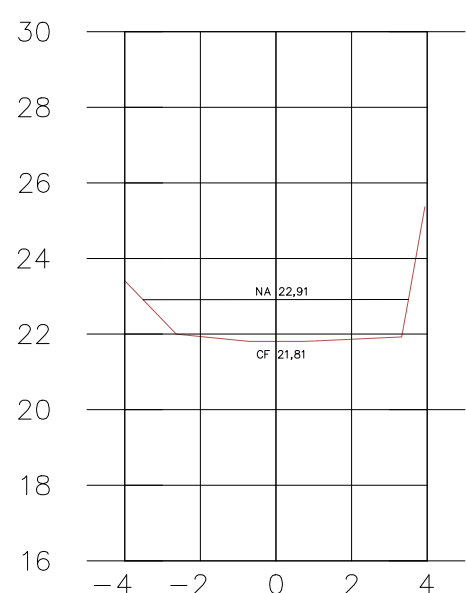
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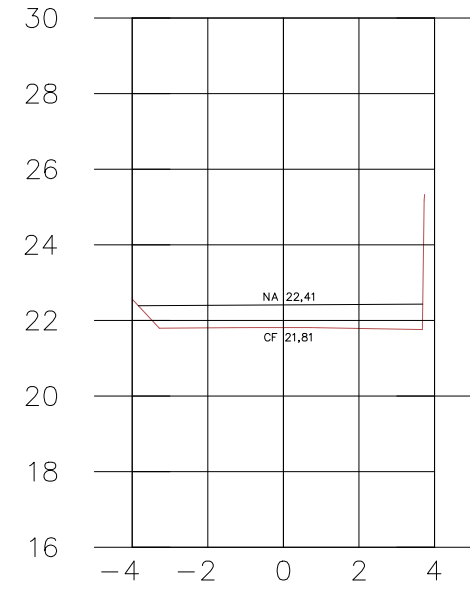
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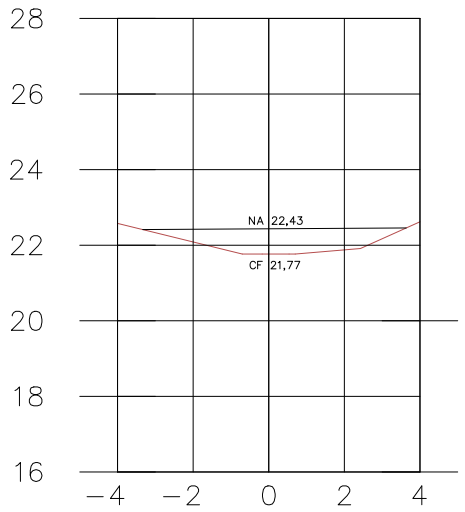
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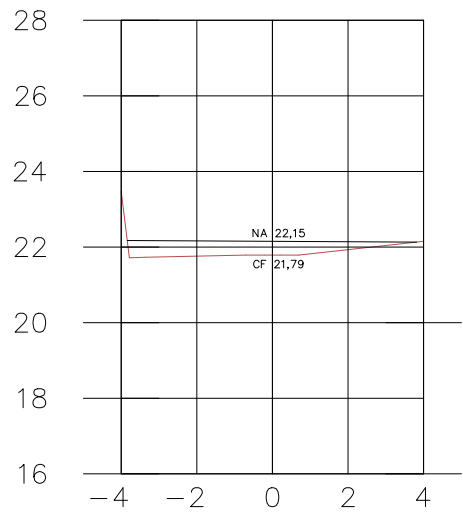
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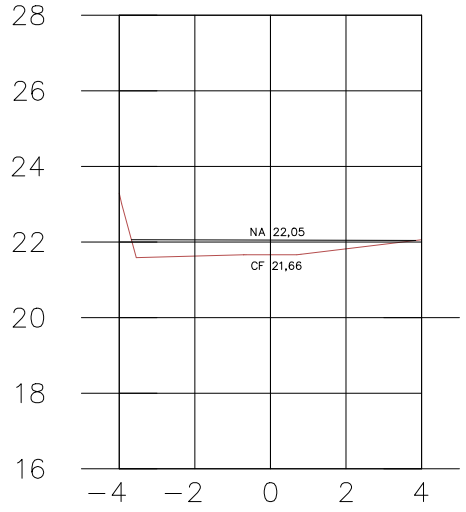
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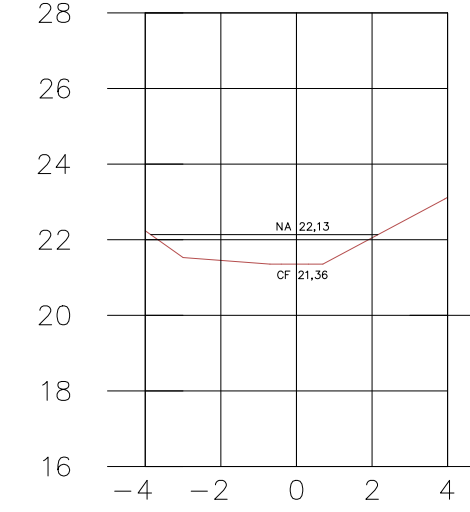
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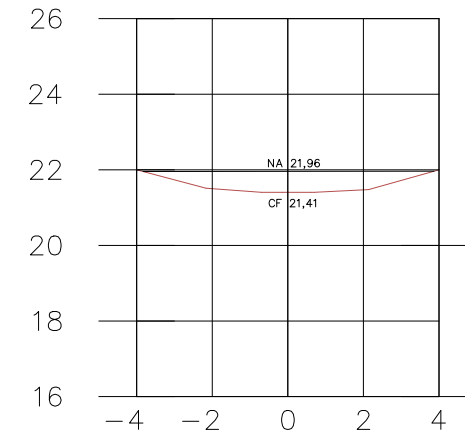
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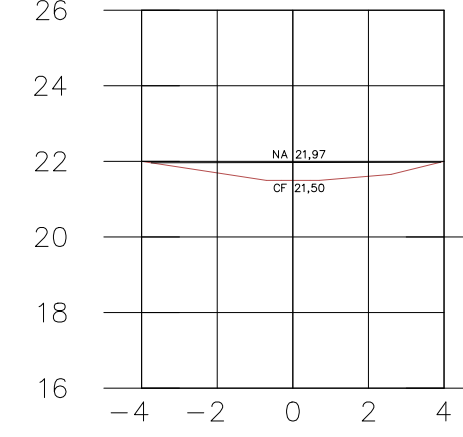
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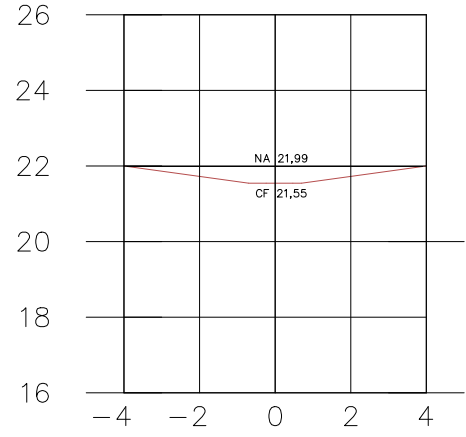
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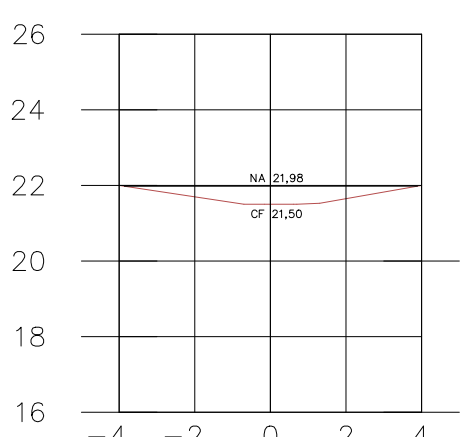
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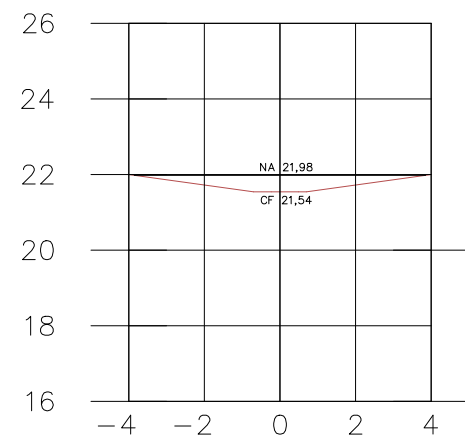
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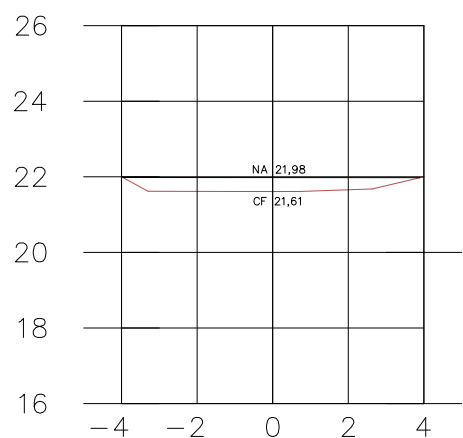
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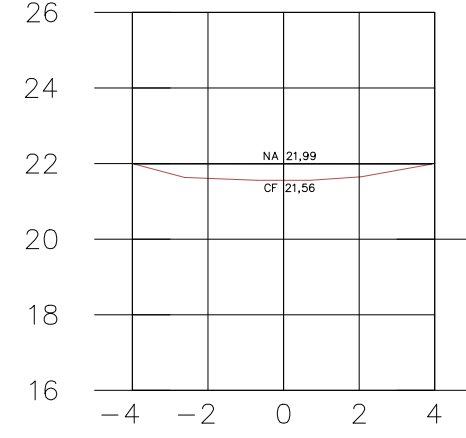
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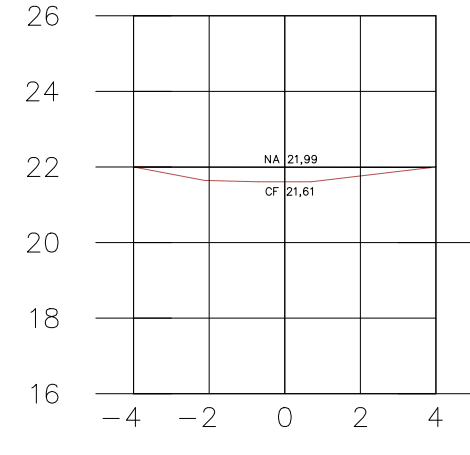
5+400.00



5+420.00



5+440.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- 1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- 2 - AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

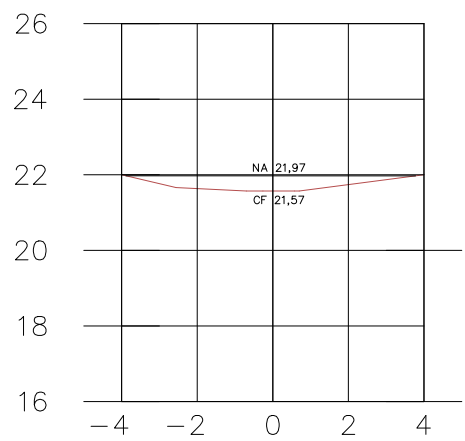
DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

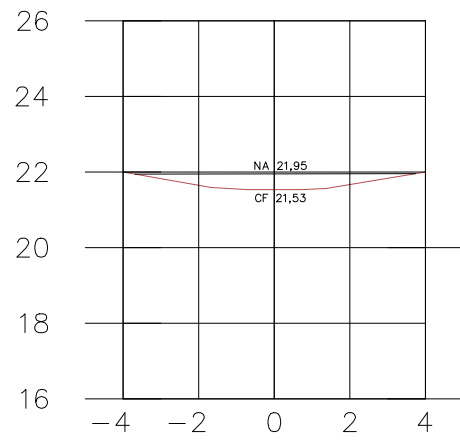
R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>Parque do Amanhã</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 5+140,00 A E 5+440,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 2023106201</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARINHO AMBICREIA RJ 2023106201</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTILDO CREIA RJ 363181-0</div></div></div>		FOLHA 25/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B025-DE-R0
		ESCALA 1/200



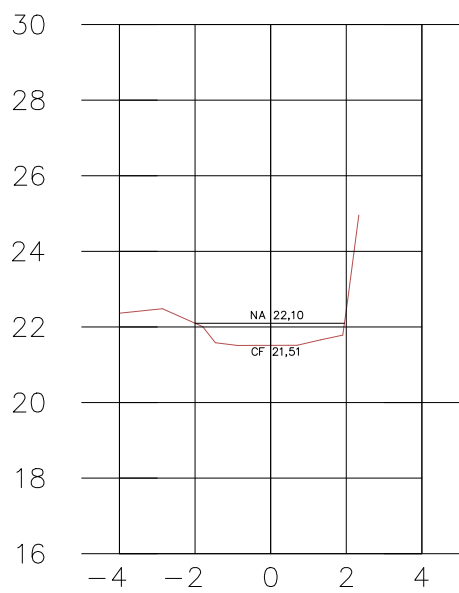
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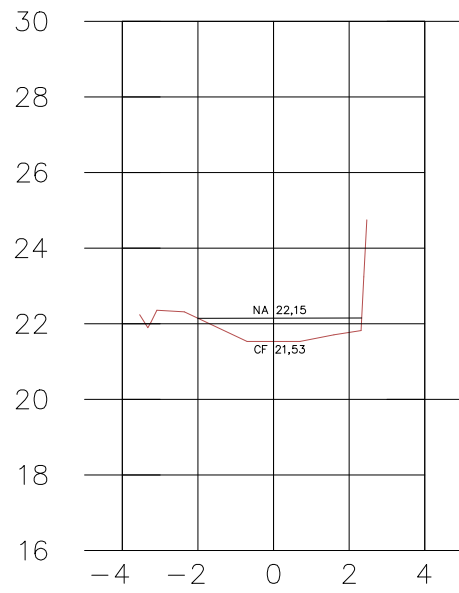
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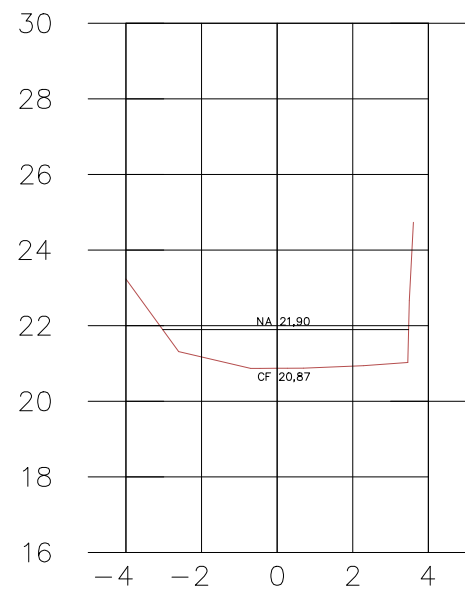
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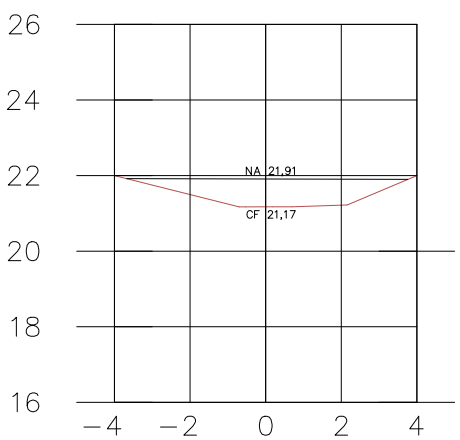
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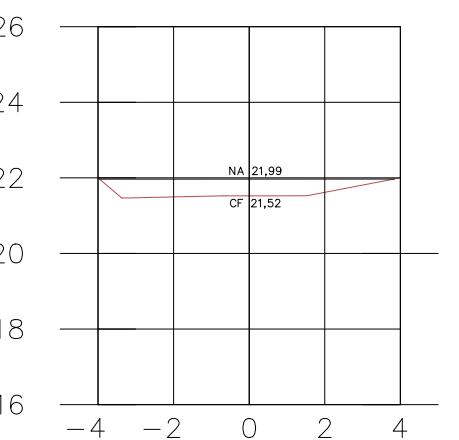
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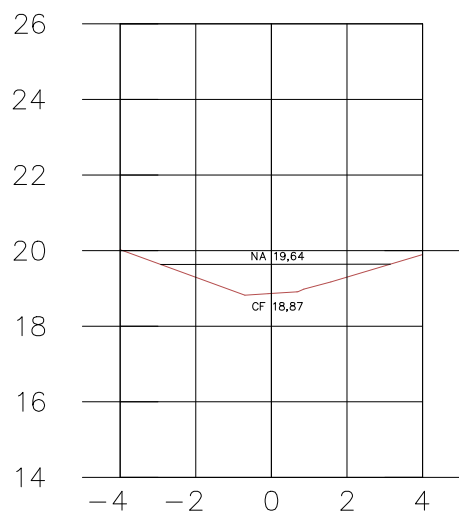
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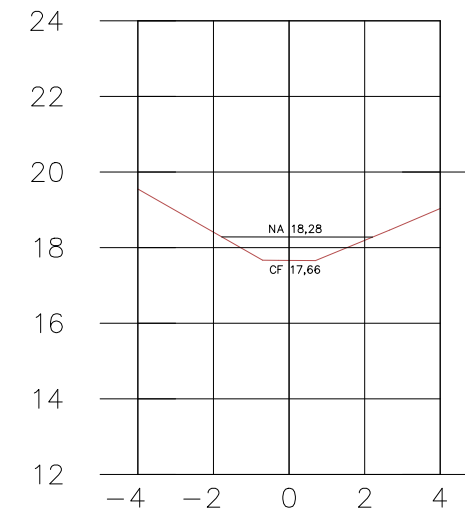
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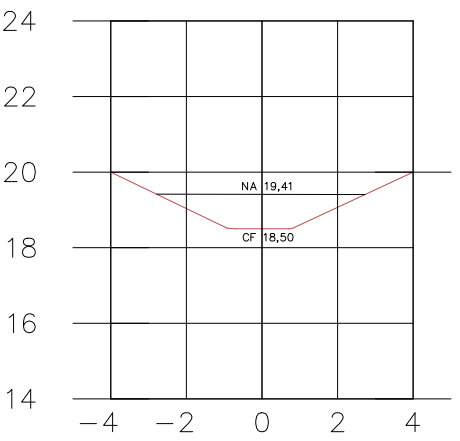
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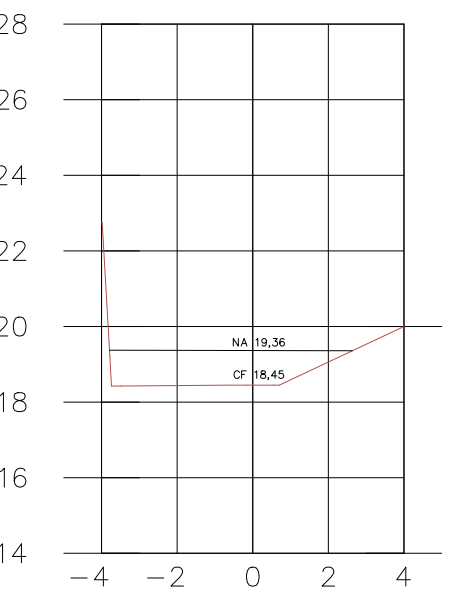
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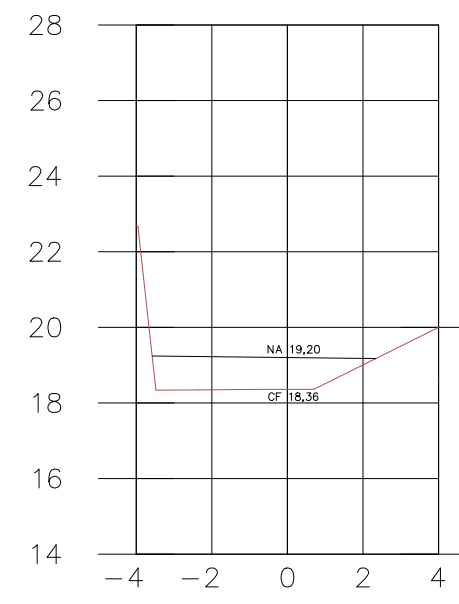
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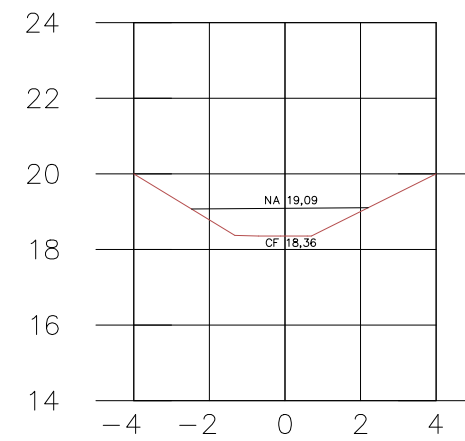
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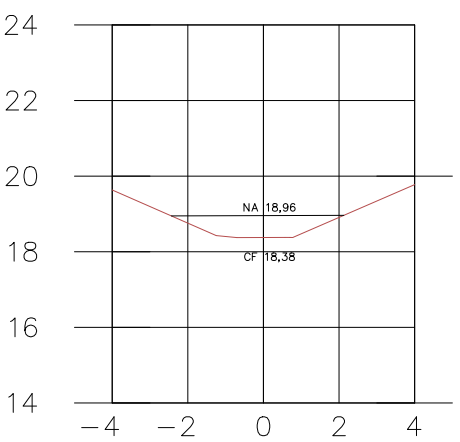
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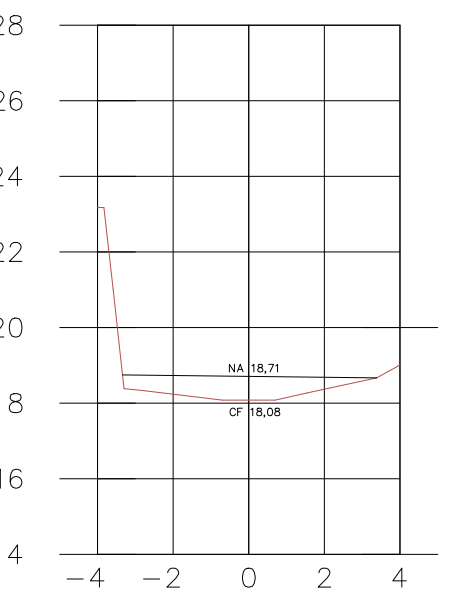
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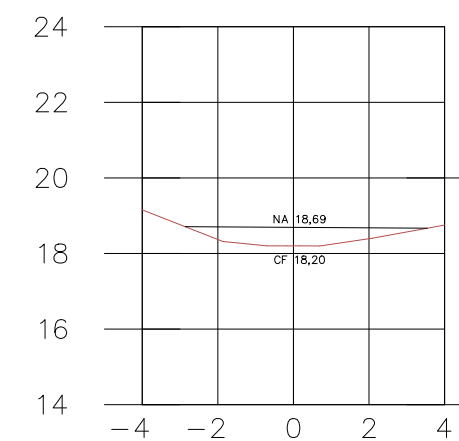
5+720.00



5+740.00



5+760.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

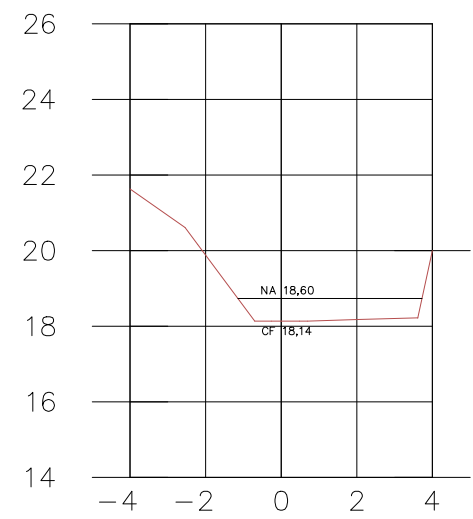
- MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

DOCUMENTOS DE REFERÊNCIA

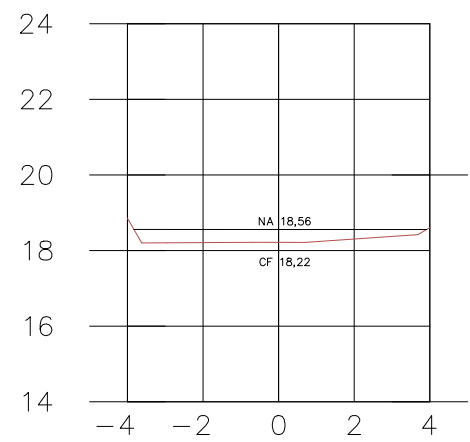
1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div><div><div></div><div>ineai</div></div><div><div>instituto estadual</div><div>do ambiente</div></div></div><div><div>Secretaria de</div><div>Ambiente e</div><div>Sustentabilidade</div></div><div><div><div><div></div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio2030</div><div>Plano de Ação</div></div></div></div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 5+460,00 A E 4+760,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBBAM</div><div><div><div></div><div>cobrape</div></div><div><div>Aquila</div><div>Engenharia</div></div></div><div><div>RESP. TECNICO / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREIA RJ 20310821</div></div><div><div>PROJETISTA / CREA OU CAU</div><div>ALBERTO JOSÉ MARIN AMBICREIA RJ 20310821</div></div><div><div>APROVADOR / CREA OU CAU</div><div>JOSÉ AUGUSTO GENTRODREIA RJ 363184</div></div></div></div>		FOLHA 26/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B026-DE-R0
		ESCALA 1/200

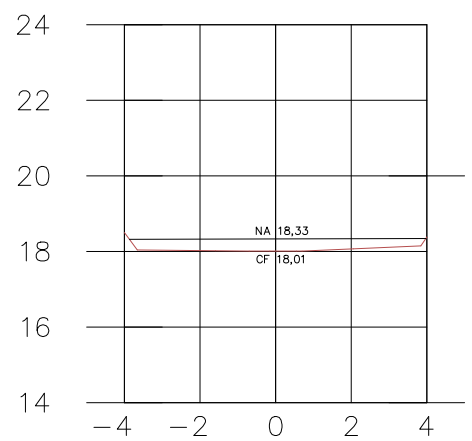
5+780.00



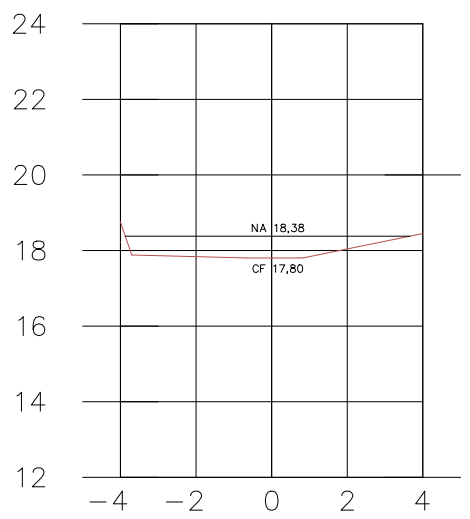
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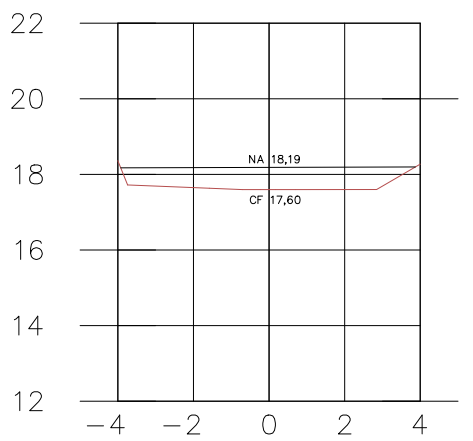
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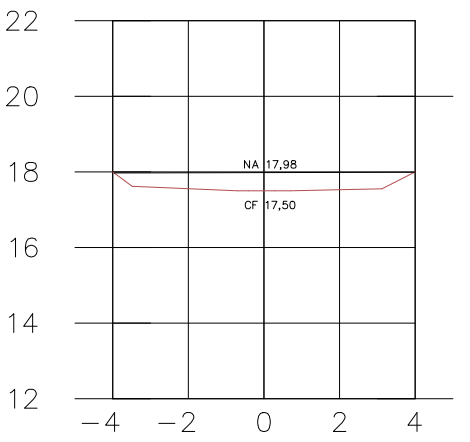
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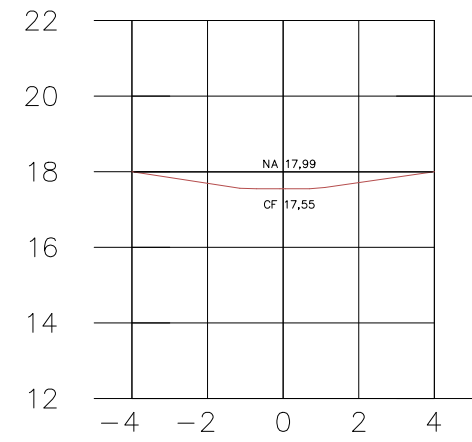
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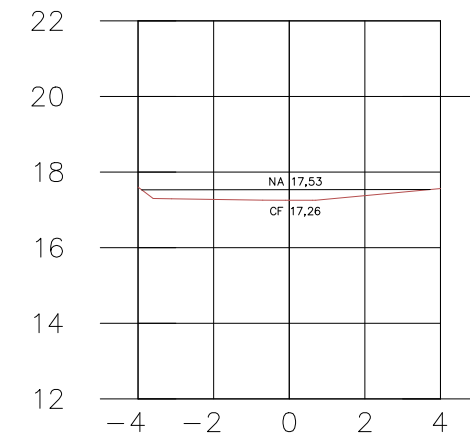
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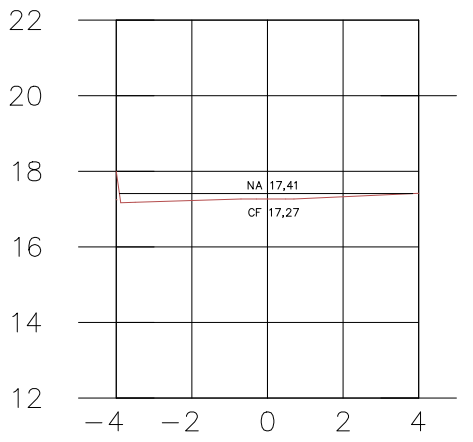
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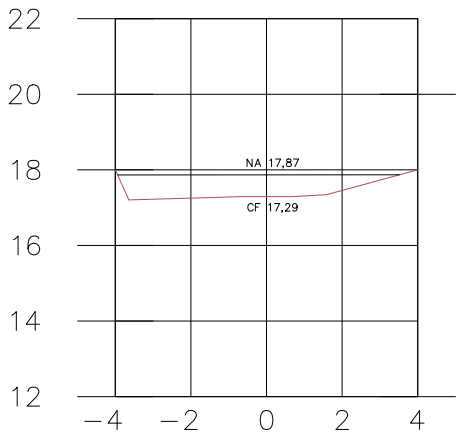
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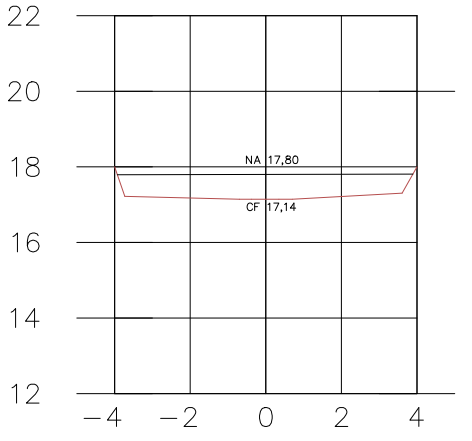
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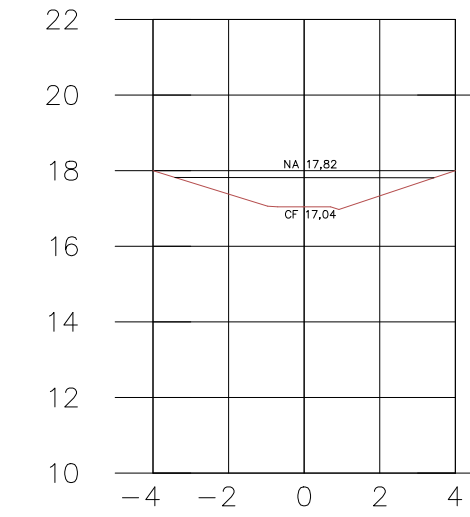
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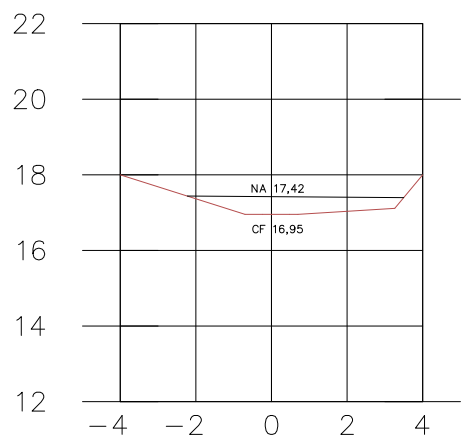
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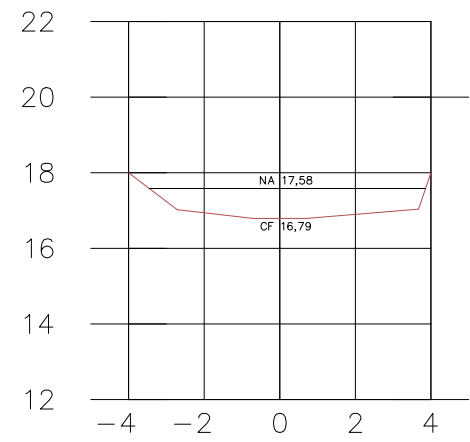
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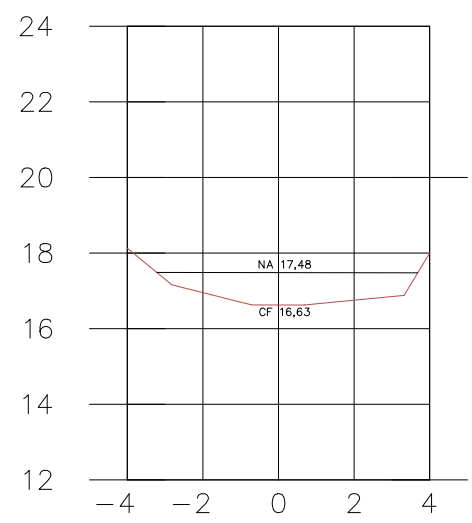
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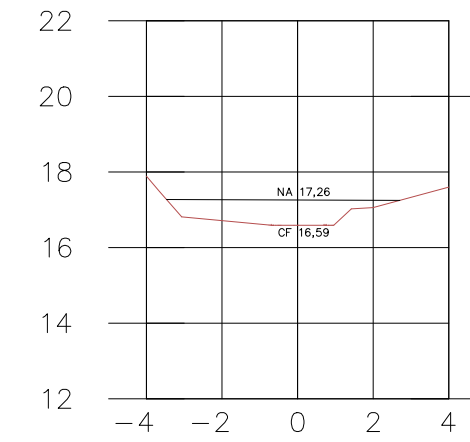
6+040.00



6+060.00



6+080.00



LEGENDA

- TERRENO NATURAL
- NÍVEL D'ÁGUA

NOTAS

- MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO.
- AS COTAS DE FUNDO E DO NÍVEL D'ÁGUA SÃO REFERENTES AO EIXO DO ESTAQUEAMENTO.

DOCUMENTOS DE REFERÊNCIA

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

R-0	08/05/2023	EMIÇÃO INICIAL
Emissão	Data	Descrição
<div><div><div>inea</div><div>instituto estadual do ambiente</div></div><div><div>Secretaria de Ambiente e Sustentabilidade</div><div></div></div><div><div>GOVERNO DO ESTADO</div><div>RIO DE JANEIRO</div></div><div><div>Rio20</div><div>30</div></div></div>		
ESTUDOS DE MACRODRENAGEM DO RIO PIRAQUARA - REALENGO		
LEVANTAMENTO TOPOGRÁFICO SEÇÕES TRANSVERSAIS - E 5+780,00 A E 6+080,00		
<div><div><div>CONSORCIO APONTO TECNICO DIBRAM</div><div><div>cobrape</div><div>Aquila</div></div></div><div><div>RESP. TECNICO / CREA RJ CAU</div><div>ALBERTO JOSE MARIN AMBICREA RJ 20310821</div></div><div><div>PROJETISTA / CREA RJ CAU</div><div>ALBERTO JOSE MARIN AMBICREA RJ 20310821</div></div><div><div>APROVADOR / CREA RJ CAU</div><div>JOSE AUGUSTO GENTRODREA RJ 363184</div></div></div>		FOLHA 27/28
DATA 08/05/2023	AUTOR/IDENT. RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	NÚMERO DO DESENHO DRM-BBGB-PRJ-PRQ-1-CCA-B027-DE-R0 ESCALA 1/200



— TERRENO NATURAL  
— NÍVEL D'ÁGUA

1 - MEDIDAS E COTAS EM METRO, SALVO ONDE INDICADO  
2 - AS COTAS DE FUNDO E DO NÍVEL D'AGUA SÃO REFERENTES AO EIXO DO ESTAKEAMENTO.

1 - DRM-BBGB-PRJ-PRQ-1-CCA-B001 a B004-DE-R0 - LEVANTAMENTO TOPOGRÁFICO - RIO PIRAQUARA

**inea** Instituto Estadual  
do ambiente

Secretaria de  
Ambiente e  
Sustentabilidade

 GOVERNO DO ESTADO  
**RIO DE JANEIRO**

 Rio20  
É HORA DE AGIR

<p>CONSÓRCIO APOIO TÉCNICO DIRRAM</p> <p><b>cobrape</b></p> <p><b>Aquila</b> engenharia</p>		<p>RESP. TÉCNICO / CREA OU CAU ALBERTO JOSÉ MARINHO ABBRICEIRA-RJ 2020106201</p> <p>PROJETISTA / CREA OU CAU ALBERTO JOSÉ MARINHO ABBRICEIRA-RJ 2020106201</p> <p>APROVADOR / CREA OU CAU JOSÉ AUGUSTO CASTROCREA-RJ 36.518/D</p>	<p>FOLHA</p> <p><b>28/28</b></p>
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DATA	AUTOR/IDENT.	NÚMERO DO DESENHO	ESCALA
08/05/2023	RICARDO ROSADO DE OLIVEIRA CREA RJ 2013135374	DRM-BBGB-PRJ-PRQ-1-CCA-B028-DE-R0	1/200