



**GOVERNO MUNICIPAL DE TIJUCAS
SECRETARIA DE PLANEJAMENTO URBANO**

**PROJETO BÁSICO EXECUTIVO DE INFRAESTRUTURA URBANA
PROJETO DE PAVIMENTAÇÃO ASFÁLTICA**

TIJUCAS - SANTA CATARINA

- ❖ **ESTRADA GERAL PORTO ITINGA E CAPIM BRANCO**
- ❖ **EXTENSÃO TOTAL - 2.400,89 METROS**

VOLUME II

APRESENTAÇÃO

Este volume, denominado Projeto Básico Executivo de Engenharia, contém os trabalhos composto por detalhes gráficos dos serviços executados, com exposição dos estudos feitos e as soluções adotadas no trecho de pavimentação asfáltica, na Estrada Geral Porto Itinga e Estrada Geral Capim Branco, estudos esses realizados em um trecho de região plana, em uma área rural. Os serviços ora apresentados, cujas principais referências são:

- Projeto Geométrico;
- Projeto de Pavimentação;
- Projeto de Drenagem;
- Projeto de Sinalização.

❖ *Extensão Total do Lote:* **2.400,89 METROS**

❖ *Trecho 01:* **Estrada Geral Porto Itinga**
❖ *Extensão:* **680,00 METROS (00 + 00 + 34 + 00,00)**

❖ *Trecho 02:* **Estrada Geral Capim Branco**
❖ *Extensão:* **1.720,89 METROS (34 + 00 + 120 + 00,89)**

CARACTERÍSTICAS TÉCNICAS

Relevo	Plano
Classe do projeto	Classe II
Velocidade diretriz	60 km/h
Largura da faixa de rolamento lado esquerdo	3,50 metros
Largura da faixa de rolamento lado direito	3,50 metros
Tipo de pavimento/revestimento	Pavimentação Asfáltica

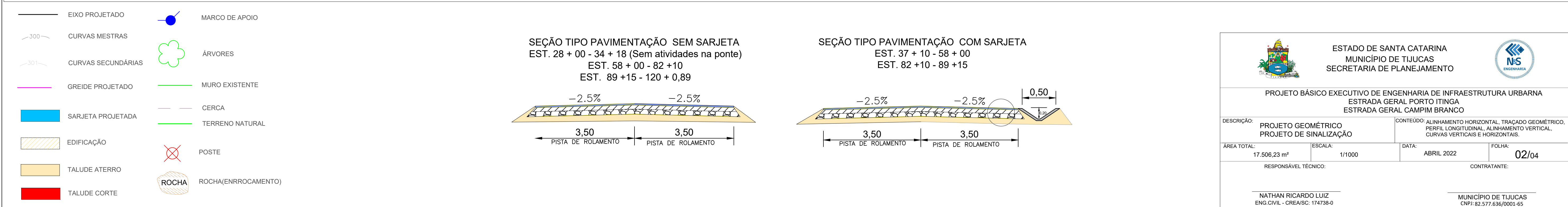
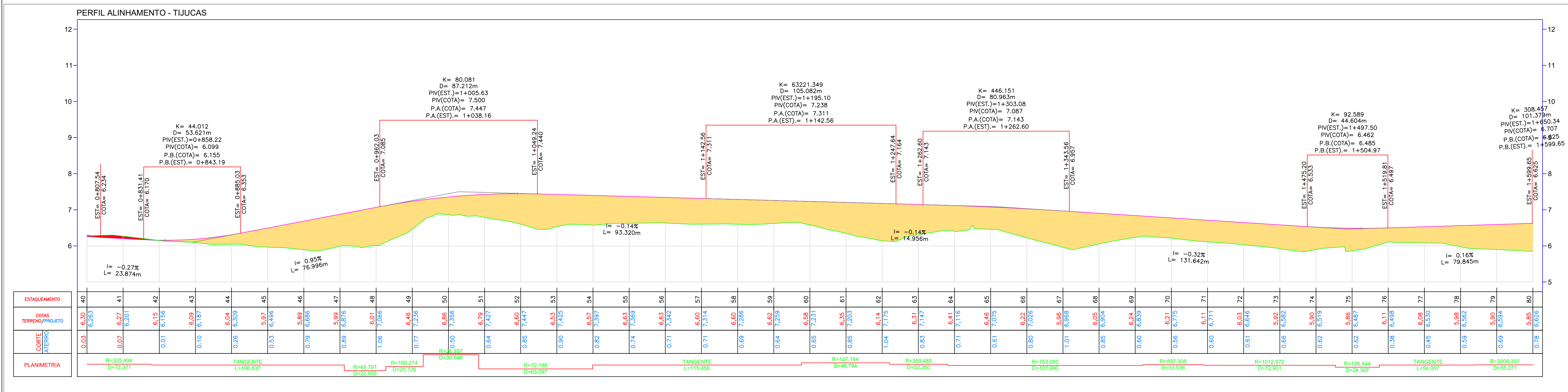
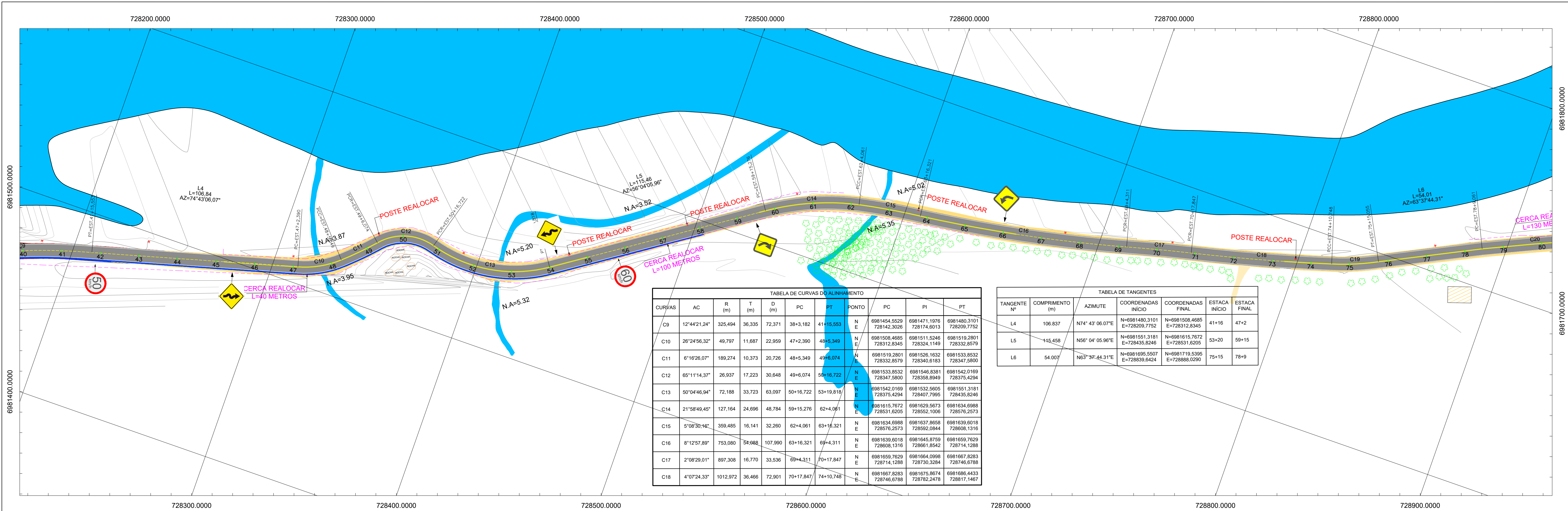
MAPA DE SITUAÇÃO

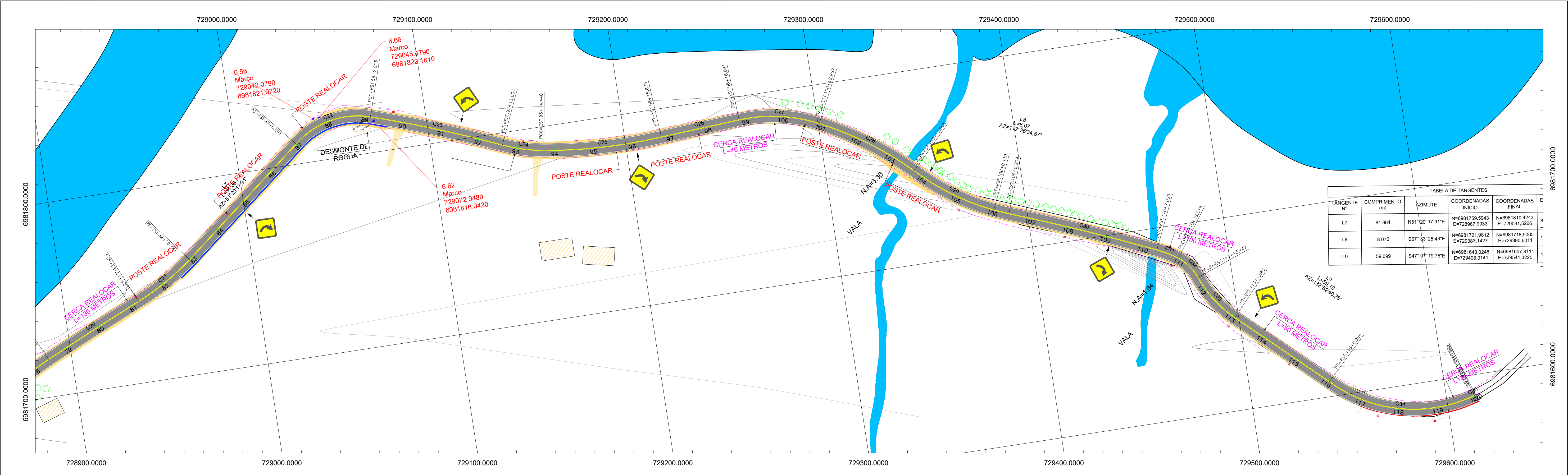


❖ *Prazo :* **150 Dias**
❖ *Data do Projeto:* **ABRIL/2022**

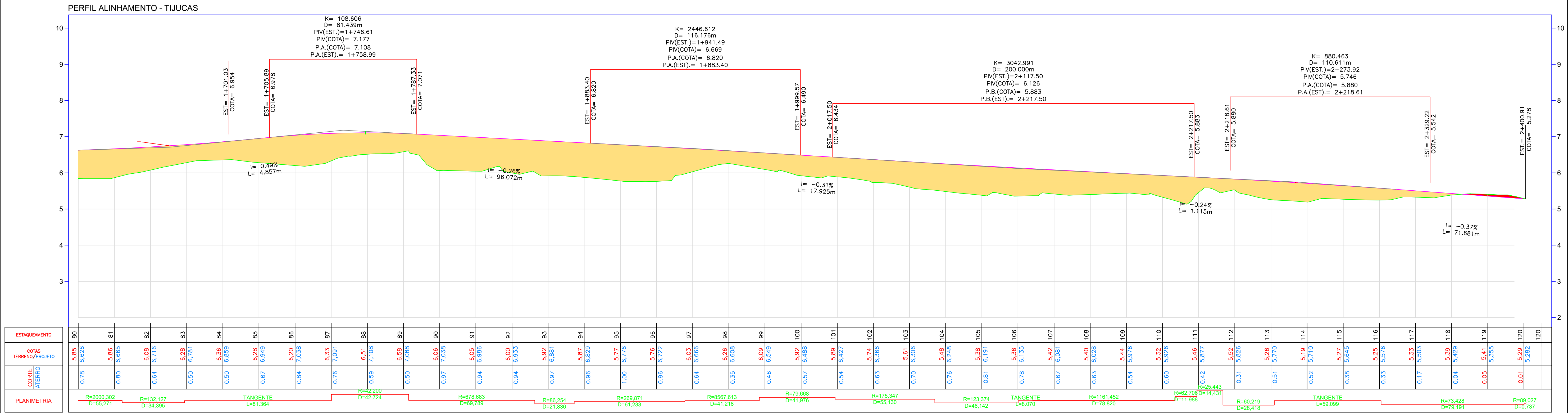


01 - PROJETO GEOMÉTRICO PROJETO DE SINALIZAÇÃO

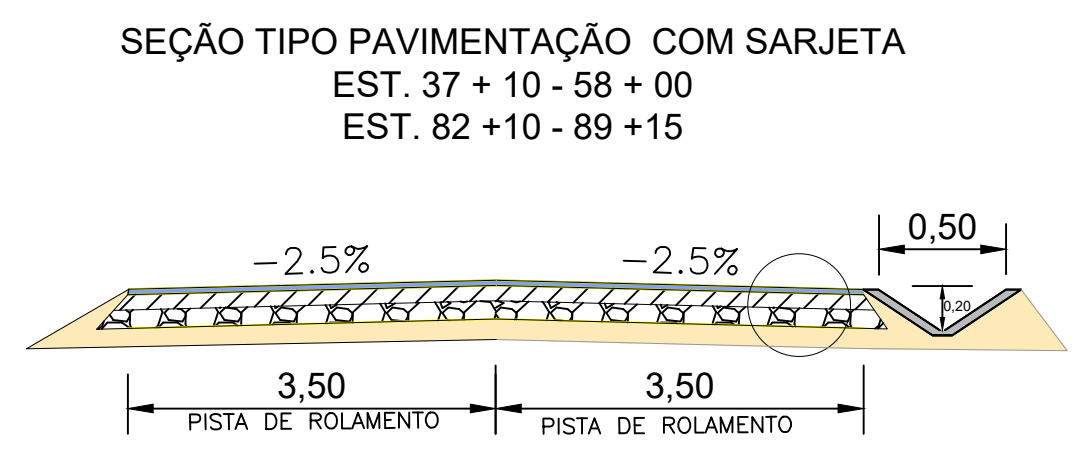
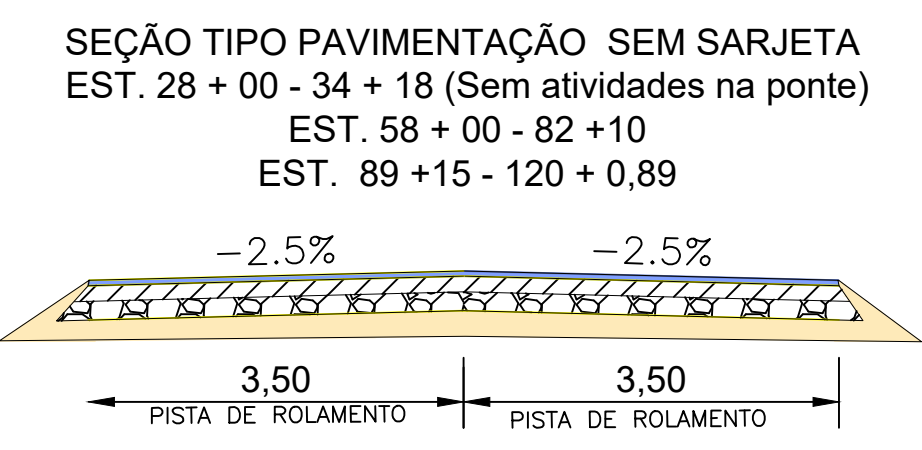




TANGENTE Nº	COMPRIMENTO (m)	AZMUTE	COORDENADAS INÍCIO	COORDENADAS FINAL
L7	81.364	N51° 20' 17.91"E	N=6981759.5943 E=728967.9933	N=6981810.4243 E=729031.5266
L8	8.070	S67° 33' 25.43"E	N=6981721.9812 E=729383.1427	N=6981718.9005 E=729390.6011
L9	59.099	S47° 07' 19.75"E	N=6981648.0246 E=729498.0141	N=6981607.8111 E=729541.3225



- EIXO PROJETADO
- CURVAS MESTRAS
- CURVAS SECUNDÁRIAS
- GREIDE PROJETADO
- SARJETA PROJETADA
- EDIFICAÇÃO
- TALUDE ATERRO
- TALUDE CORTE
- MARCO DE APOIO
- ÁRVORES
- MURO EXISTENTE
- CERCA
- TERRENO NATURAL
- POSTE
- ROCHA
- ROCHA(ENROCAMENTO)



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO

PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO:
PROJETO GEOMÉTRICO
PROJETO DE SINALIZAÇÃO

ÁREA TOTAL:
17.506,23 m²

ESCALA:
1/1000

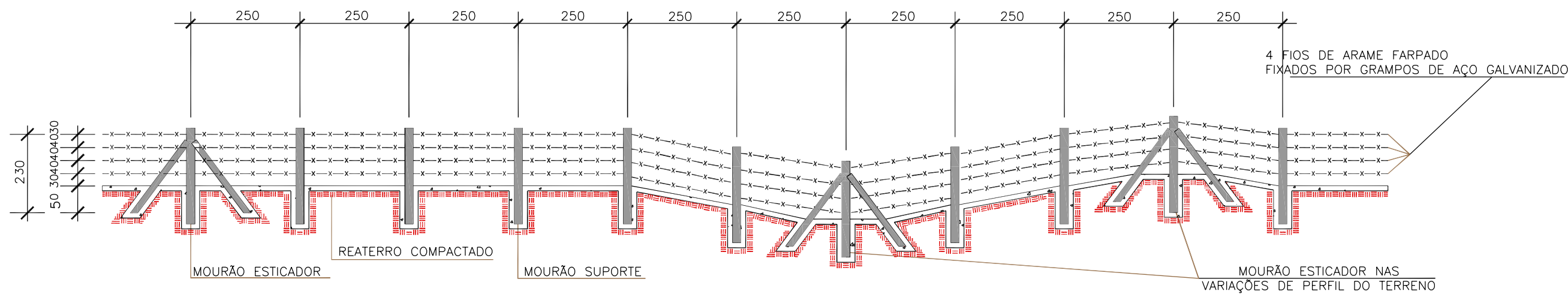
DATA:
ABRIL 2022

FOLHA:
03/04

RESPONSÁVEL TÉCNICO:
NATHAN RICARDO LUIZ
ENG.CIVIL - CREA/SC: 174738-0

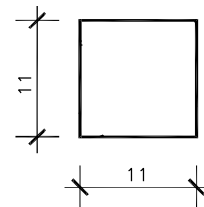
CONTRATANTE:
MUNICÍPIO DE TIJUCAS
CNPJ: 82.577.636/0001-65

CERCA COM MOURÕES DE CONCRETO



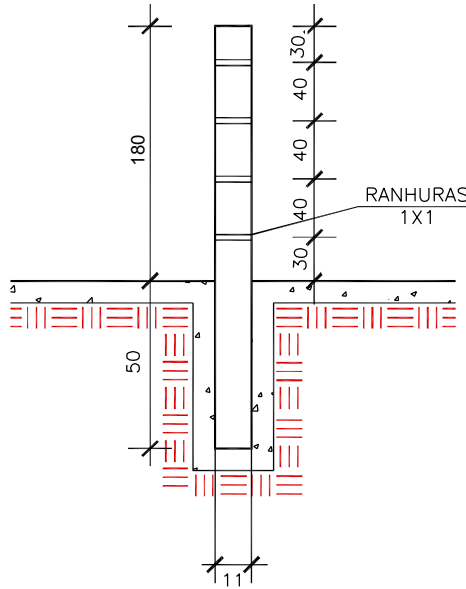
SEÇÃO TRANSVERSAL

MOURÃO DE SUPORTE E ESCORA

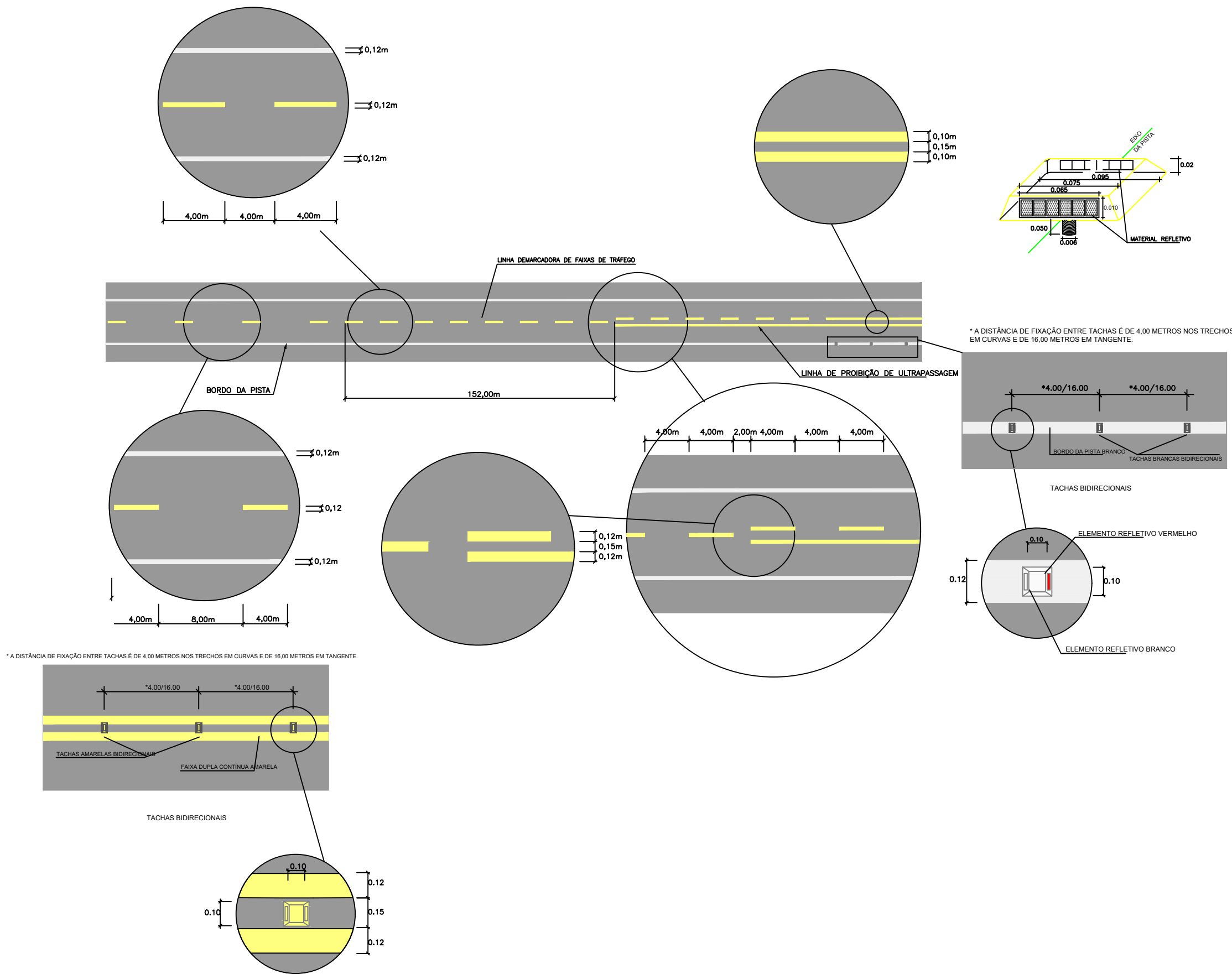
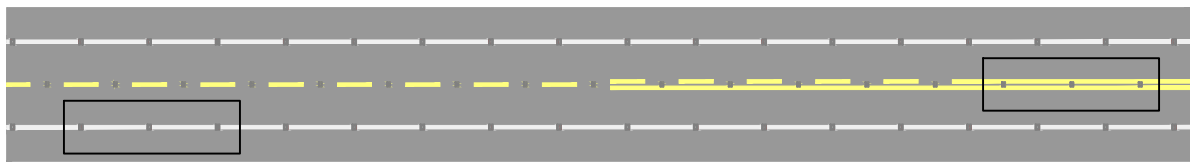


1-DIMENSÕES EM CM.
2-O ESPAÇAMENTO MÁXIMO ENTRE DOIS MOURÕES ESTICADORES DEVE SER DE 50,00m, SENDO TAMBÉM COLOCADOS NAS MUDANÇAS DE ALINHAMENTO VERTICAL E/OU HORIZONTAL

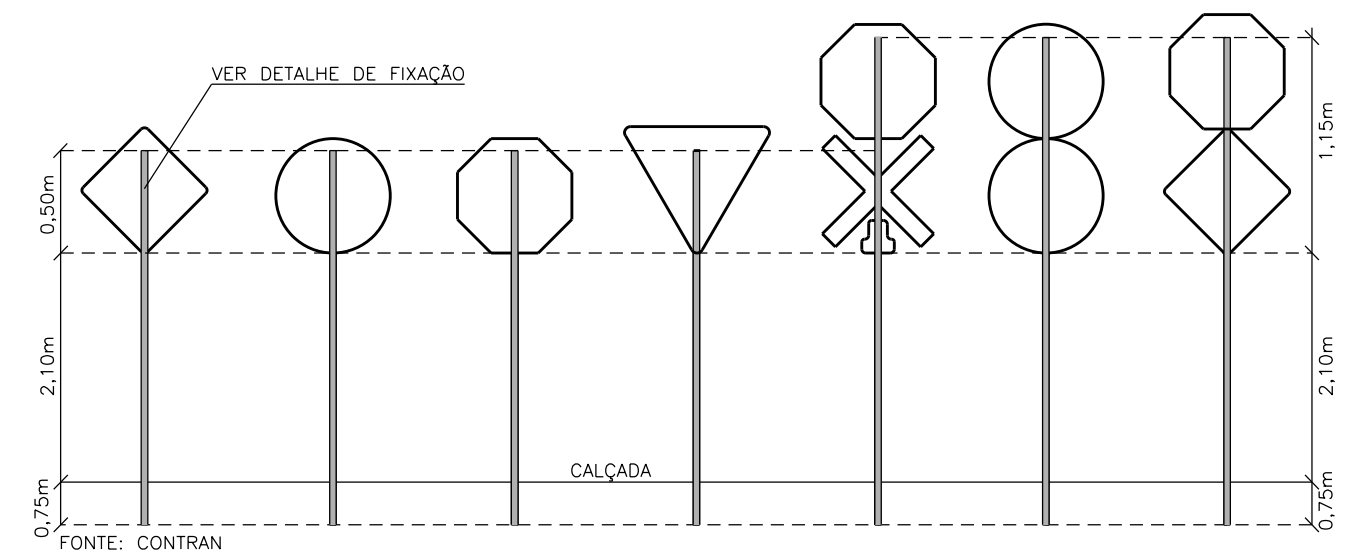
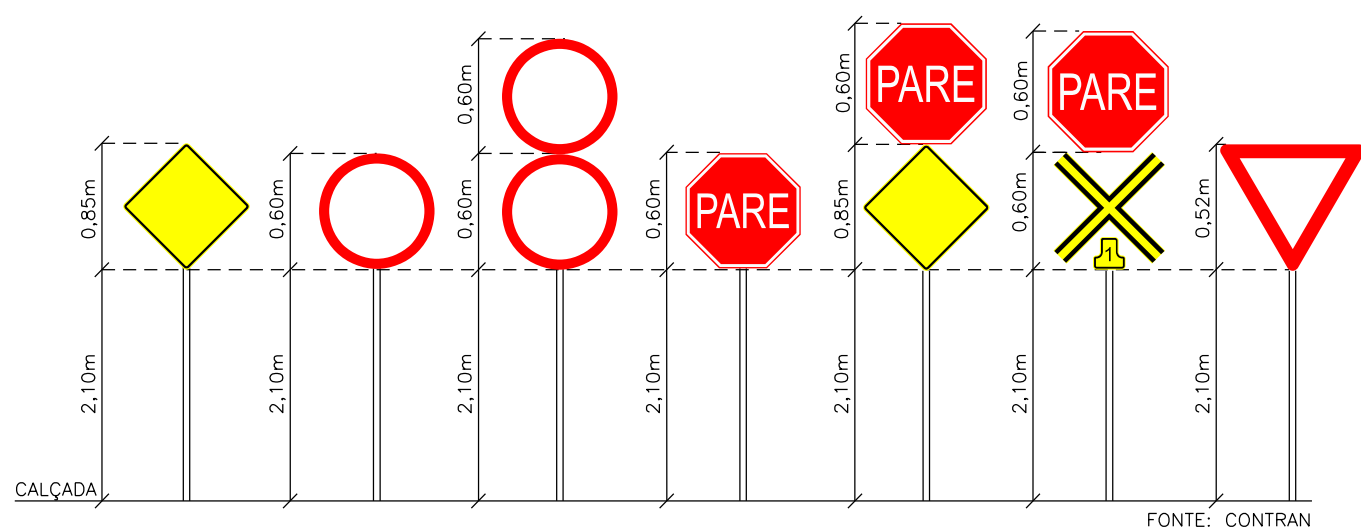
MOURÃO



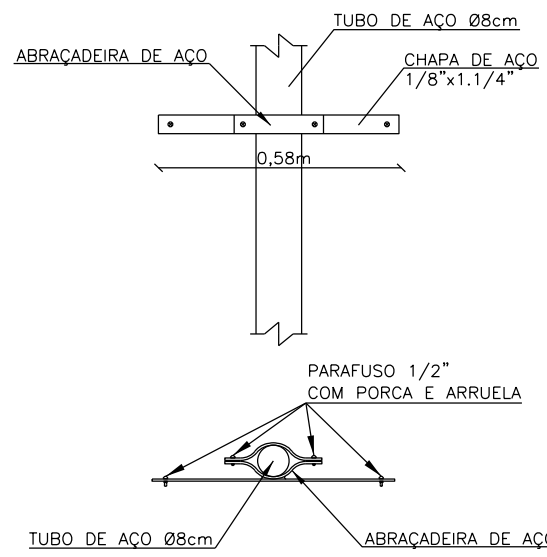
SINALIZAÇÃO HORIZONTAL



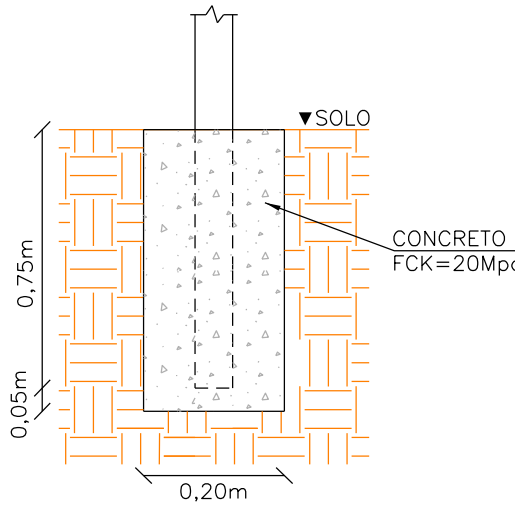
DETALHE DE SINALIZAÇÃO VERTICAL



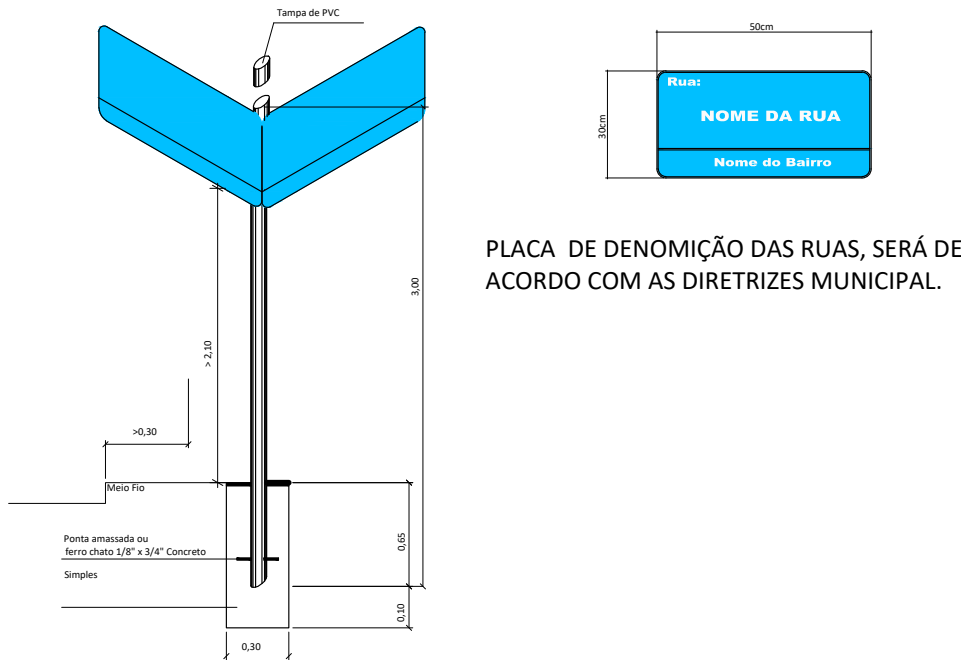
DETALHE DE FIXAÇÃO DO TUBO NA PLACA



DETALHE DE FIXAÇÃO AO SOLO PARA PLACAS DE REGULAMENTAÇÃO E ADVERTÊNCIA 0,50x0,20x0,20m



PLACA INDICATIVA LOGRADOURO



PLACAS DE ADVERTÊNCIA			
MODELOS DOS SINAIS	CÓDIGOS DIMENSÕES	PINTURA	QUANTIDADE
	A-2a LADO=0,60	FUNDO AMARELO ORLA PRETA SIMBOLO PRETO	04
	A-2b LADO=0,60	FUNDO AMARELO ORLA PRETA SIMBOLO PRETO	04
	A-3a LADO=0,60	FUNDO AMARELO ORLA PRETA SIMBOLO PRETO	01
	A-3b LADO=0,60	FUNDO AMARELO ORLA PRETA SIMBOLO PRETO	01
	A-22 LADO=0,60	FUNDO AMARELO ORLA PRETA SIMBOLO PRETO	02

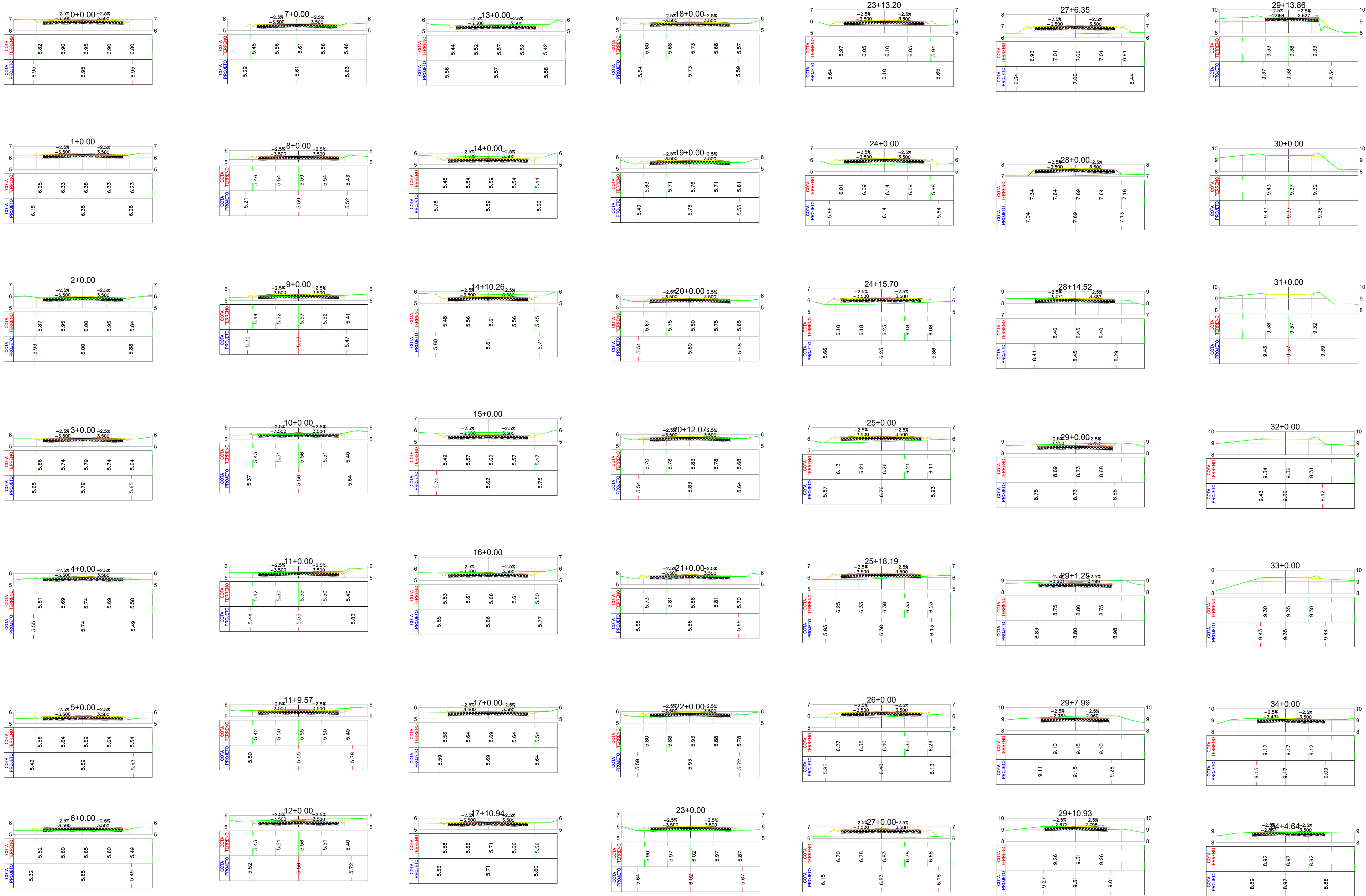
PLACAS DE REGULAMENTAÇÃO			
MODELOS DOS SINAIS	CÓDIGOS DIMENSÕES	PINTURA	QUANTIDADE
	R-18a D=0,60	FUNDO VERMELHO ORLA BRANCA E TEXTO PRETO	02
	R-18b D=0,60	FUNDO VERMELHO ORLA BRANCA E TEXTO PRETO	01
	R-7 D=0,60	FUNDO VERMELHO ORLA BRANCA E TEXTO PRETO	03
	R-1 D=0,60	FUNDO VERMELHO ORLA BRANCA E TEXTO BRANCO	02

SERVIÇOS COMPLEMENTARES			
OBRA : TIJUCAS - ACESSO PRESIDIO			
INTERFERÊNCIAS	UNID	TOTAL	ATIVIDADE
POSTES	UNID	11	REALOCAR
CERCAS	Metros	580	REALOCAR
ÁRVORES	UNID	15 Ø>20cm	REMOÇÃO

		ESTADO DE SANTA CATARINA MUNICÍPIO DE TIJUCAS SECRETARIA DE PLANEJAMENTO			
PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA ESTRADA GERAL PORTO ITINGA ESTRADA GERAL CAMPIM BRANCO					
DESCRIÇÃO:		CONTEÚDO:			
PROJETO GEOMÉTRICO PROJETO DE SINALIZAÇÃO		DETALHAMENTOS			
ÁREA TOTAL:	ESCALA:	DATA:	FOLHA:		
17.506,23 m²	1/1000	ABRIL 2022	04/04		
RESPONSÁVEL TÉCNICO:			CONTRATANTE:		
NATHAN RICARDO LUIZ ENG.CIVIL - CREA/SC: 174738-0			MUNICÍPIO DE TIJUCAS CNPJ: 82.577.636/0001-65		



02 - SEÇÕES TRANSVERSAIS



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANARNA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO: PROJETO GEOMÉTRICO
SEÇÕES TRANSVERSAIS

CONTEÚDO: ALINHAMENTO HORIZONTAL, TRACADO GEOMÉTRICO,
PERFIL LONGITUDINAL, ALINHAMENTO VERTICAL,
CURVAS VERTICAIS E HORIZONTAIS.

ÁREA TOTAL:
17.506,23 m²

ESCALA:
1/1000

DATA:
ABRIL 2022

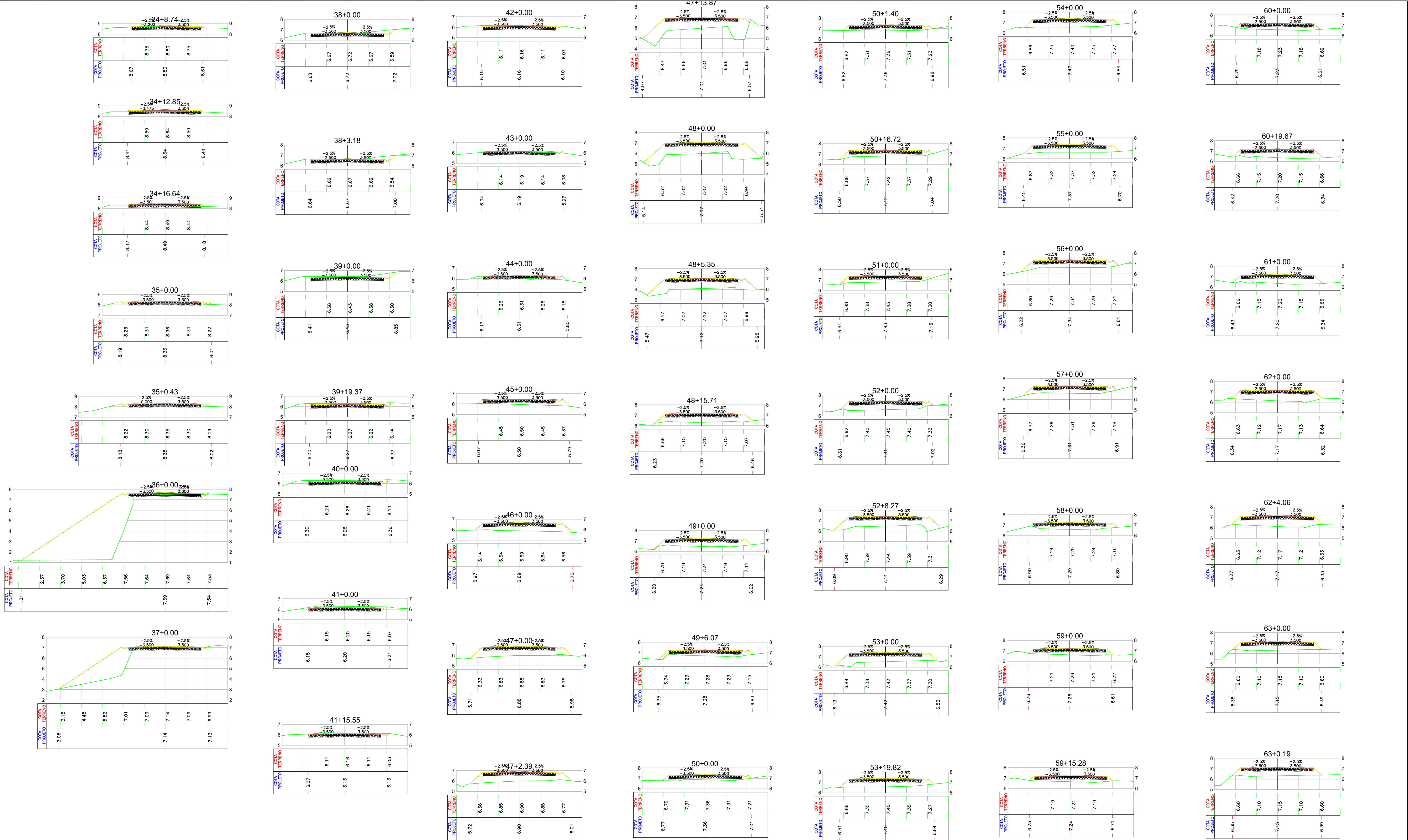
FOLHA:
01/03

RESPONSÁVEL TÉCNICO:

CONTRATANTE:

NATHAN RICARDO LUIZ
ENG. CIVIL - CREA/SC: 174738-0

MUNICÍPIO DE TIJUCAS
CNPJ: 82.577.636/0001-65



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANARNA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO: PROJETO GEOMÉTRICO
SEÇÕES TRANSVERSAIS

CONTEÚDO: ALINHAMENTO HORIZONTAL, TRAÇADO GEOMÉTRICO,
PERFIL LONGITUDINAL, ALINHAMENTO VERTICAL,
CURVAS VERTICAIS E HORIZONTAIS.

ÁREA TOTAL:
17.506,23 m²

ESCALA:
1/1000

DATA:
ABRIL 2022

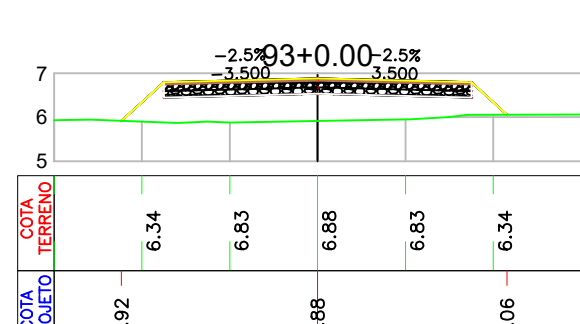
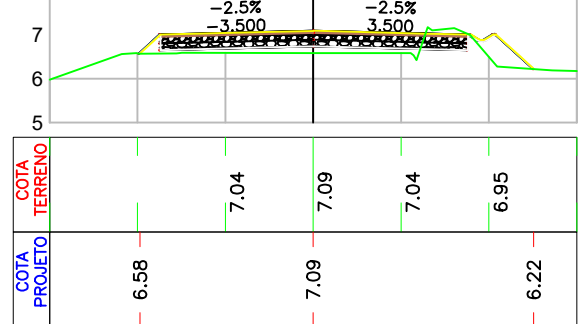
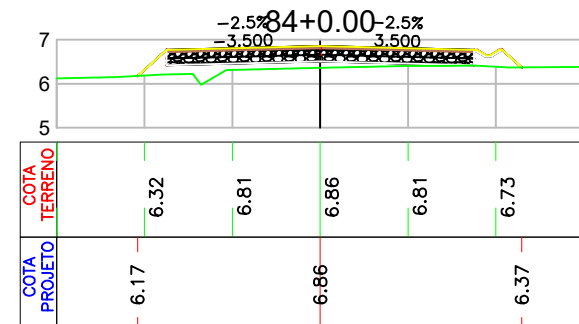
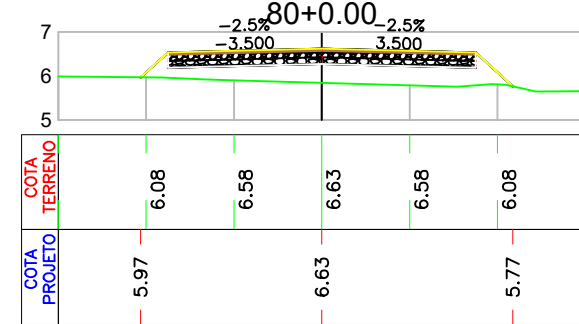
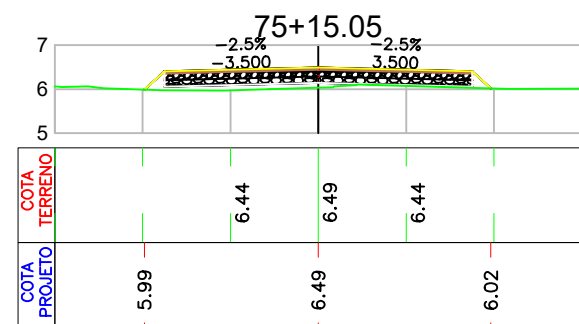
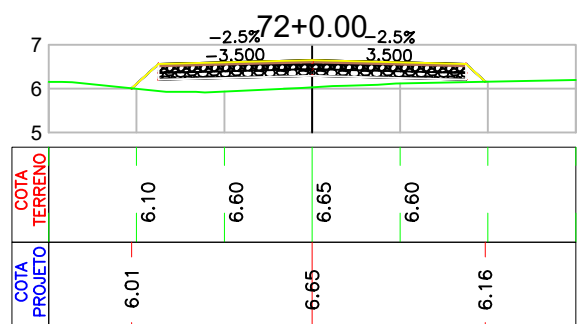
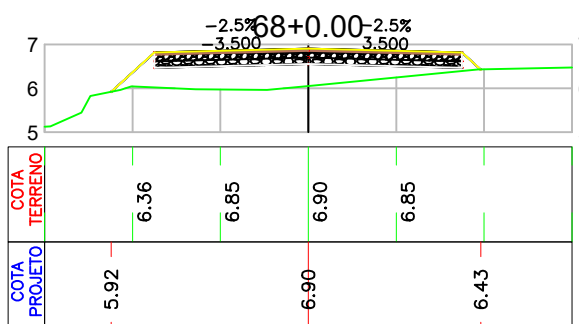
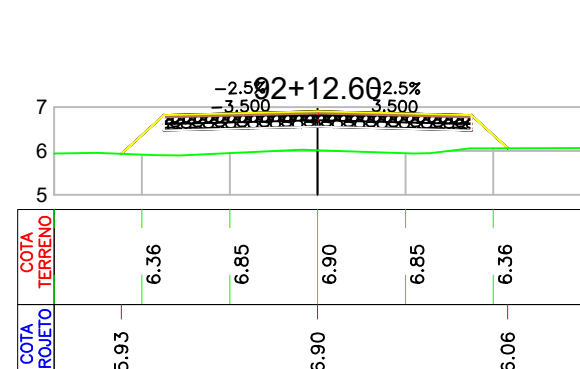
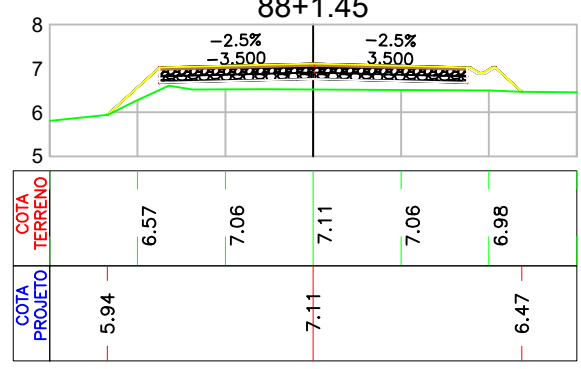
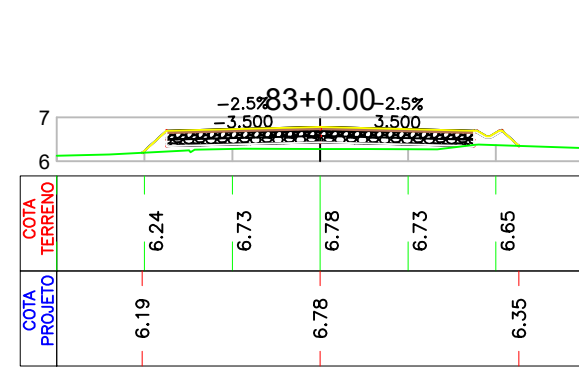
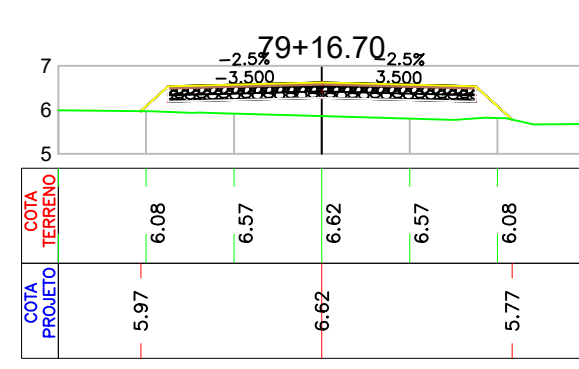
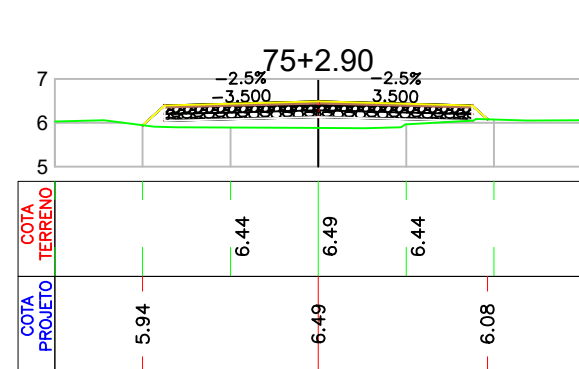
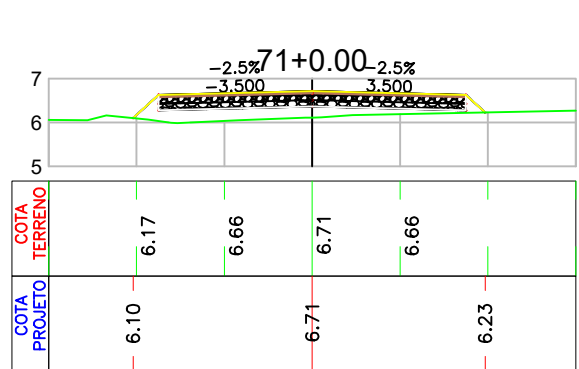
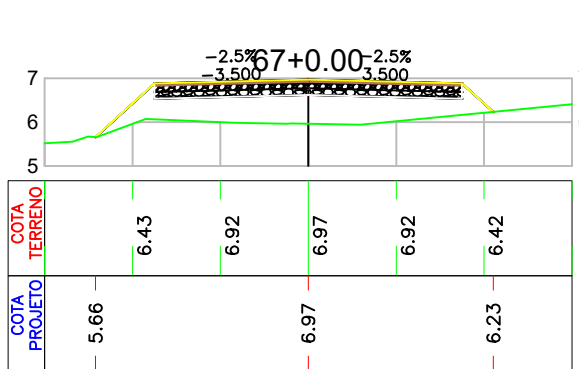
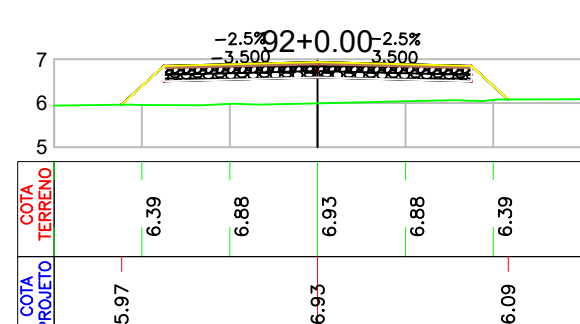
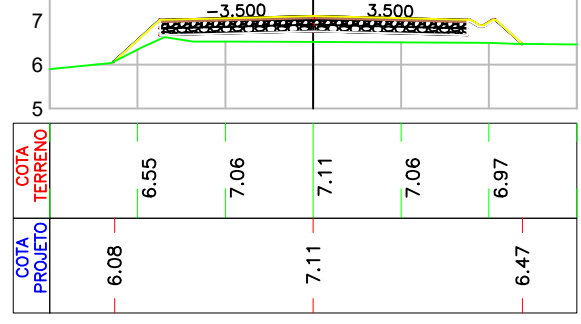
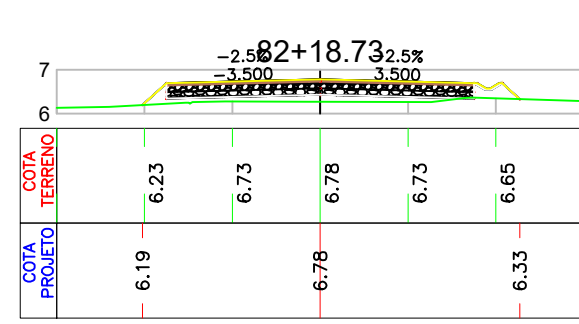
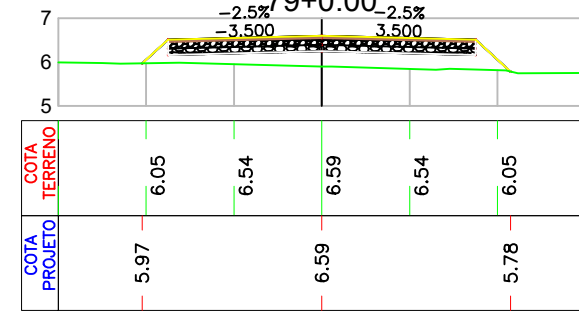
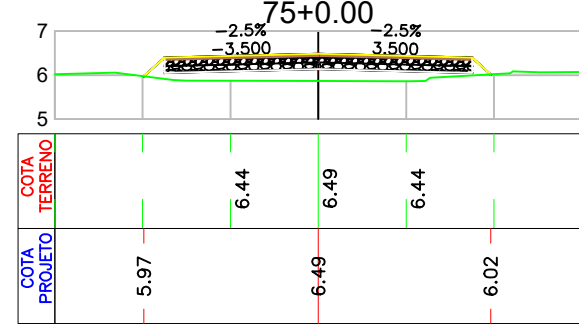
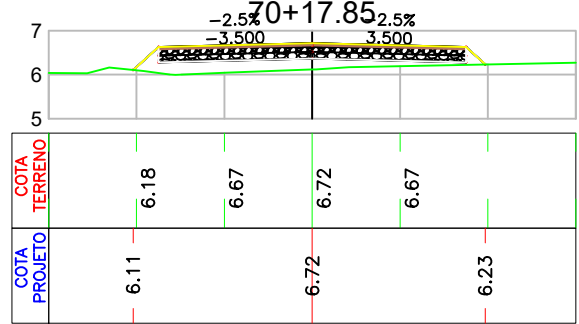
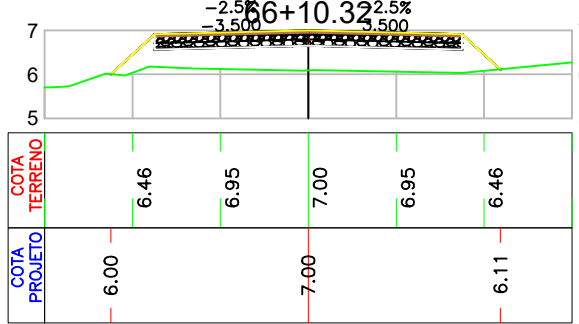
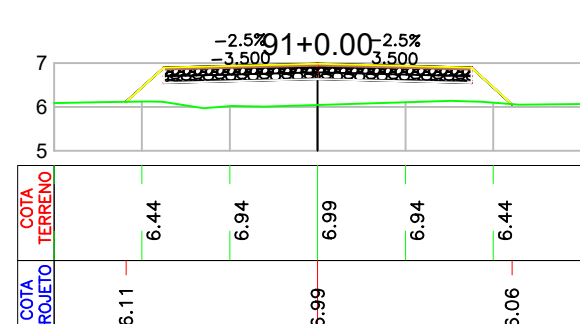
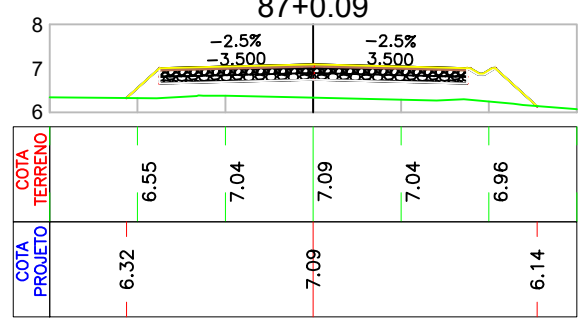
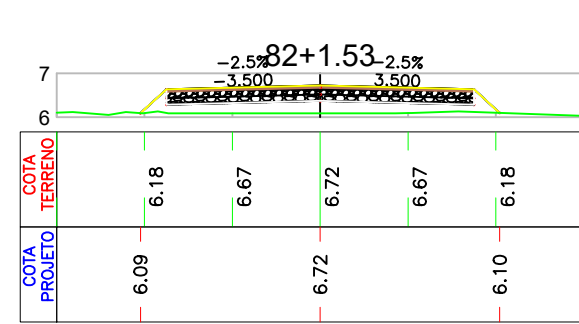
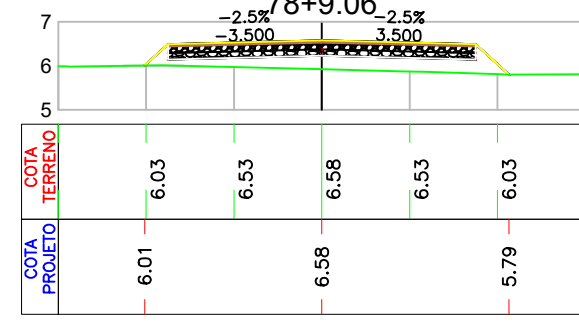
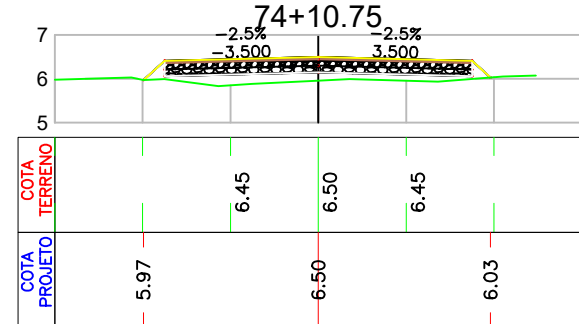
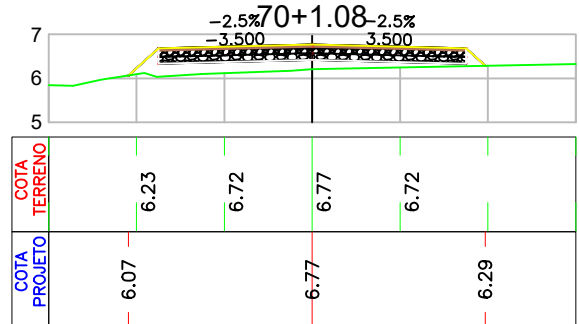
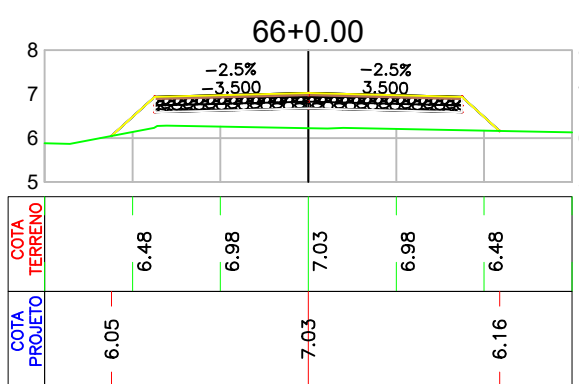
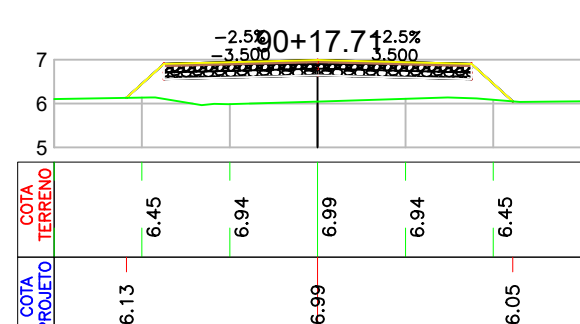
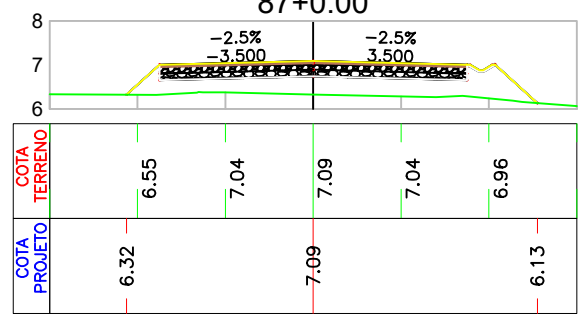
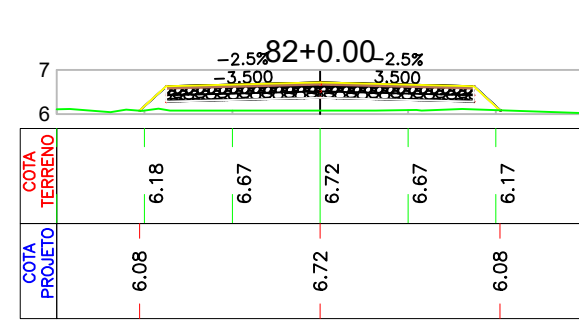
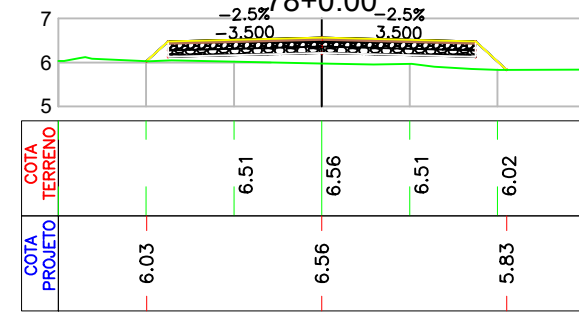
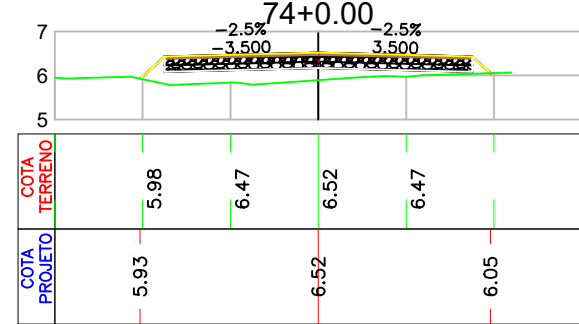
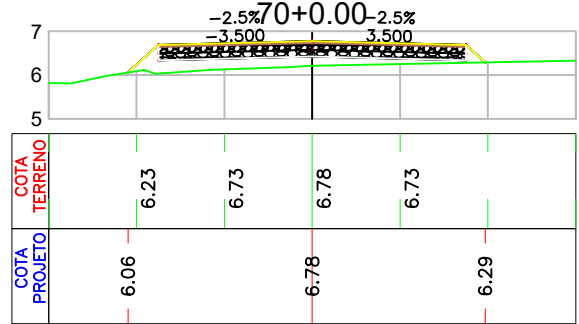
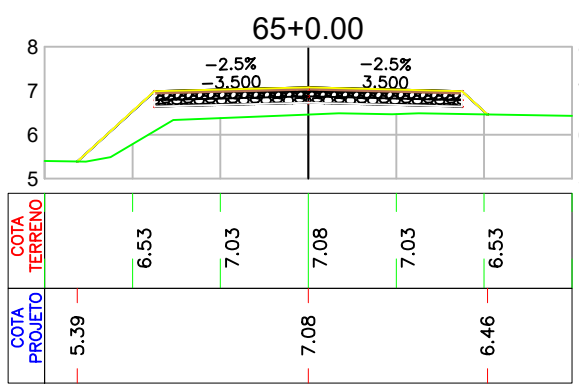
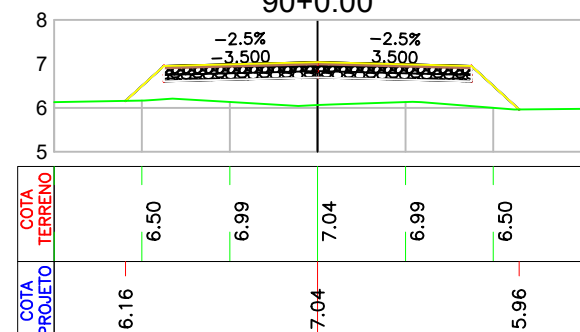
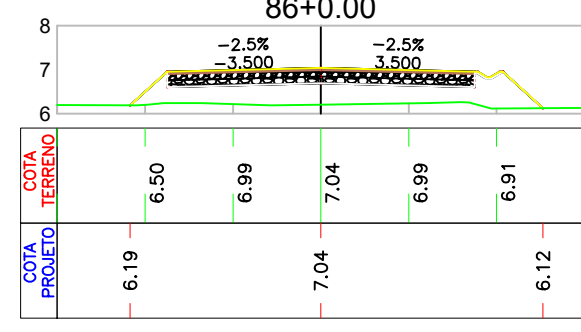
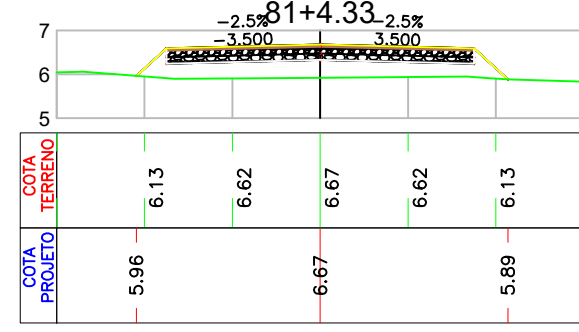
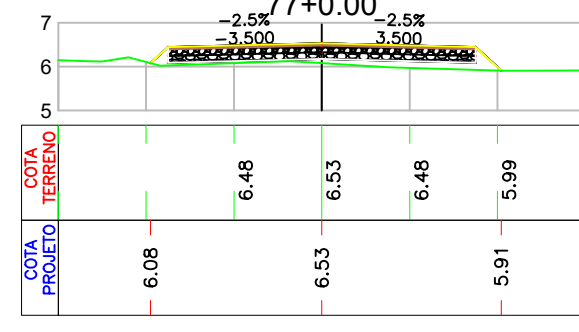
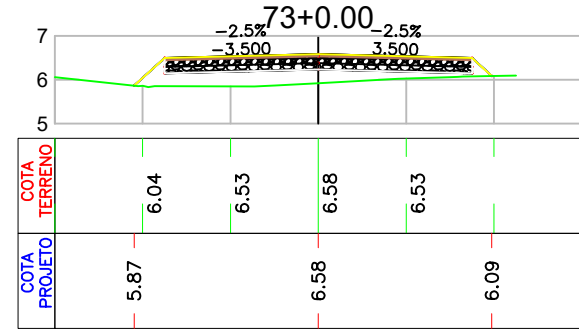
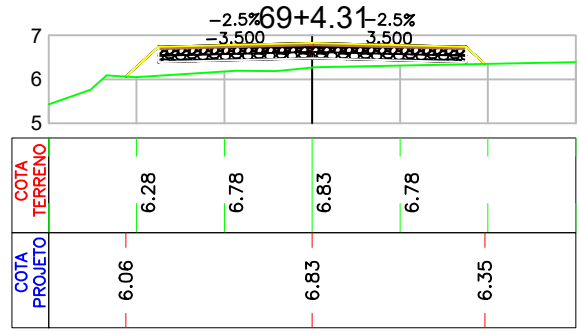
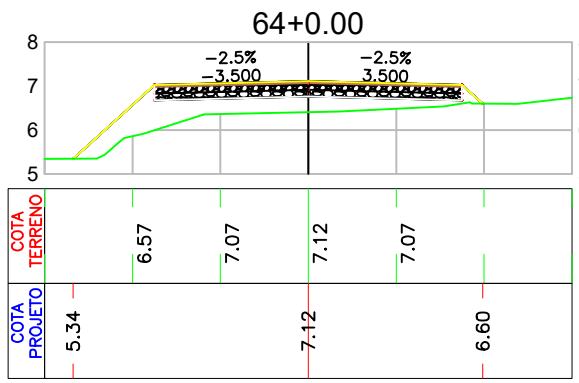
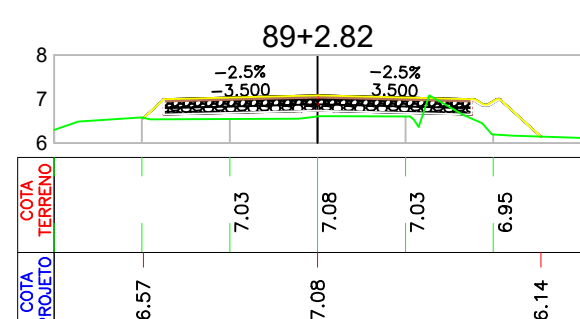
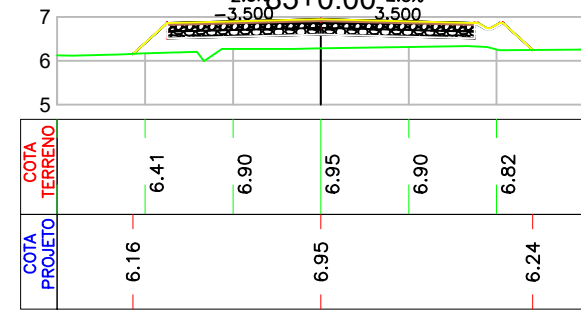
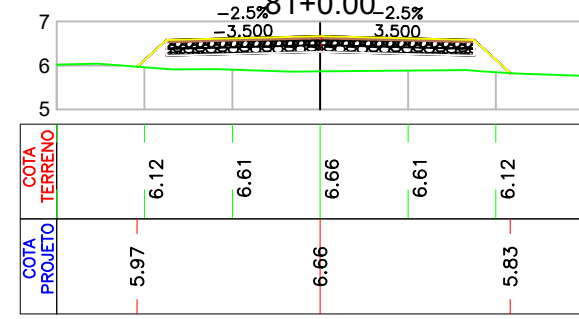
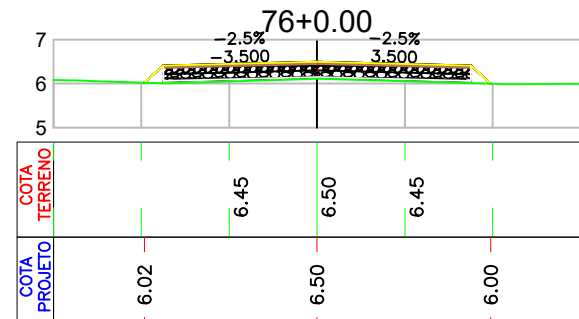
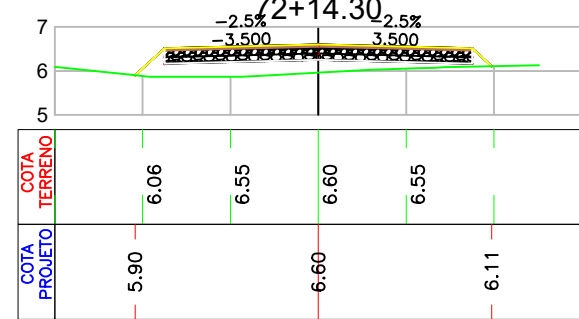
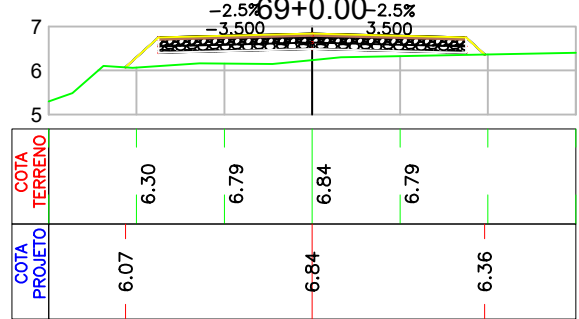
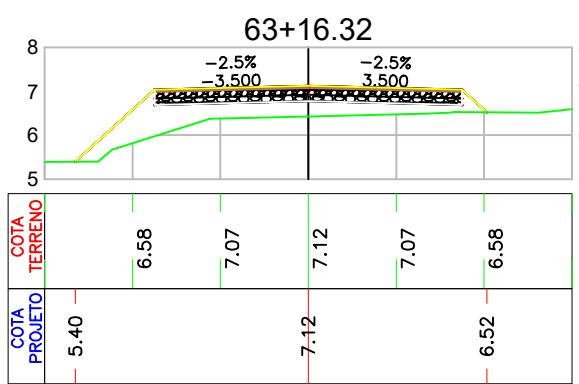
FOLHA:
02/04

RESPONSÁVEL TÉCNICO:

CONTRATANTE:

NATHAN RICARDO LUIZ
ENG.CIVIL - CREA/SC: 174738-0

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CNPJ: 82.577.636/0001-65

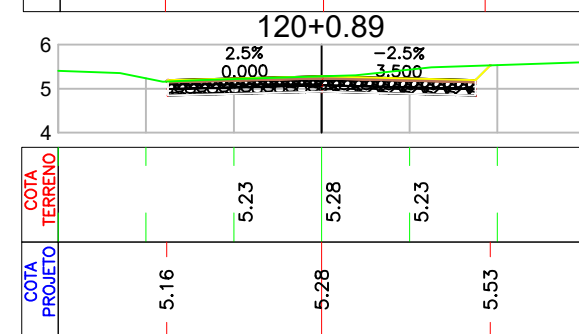
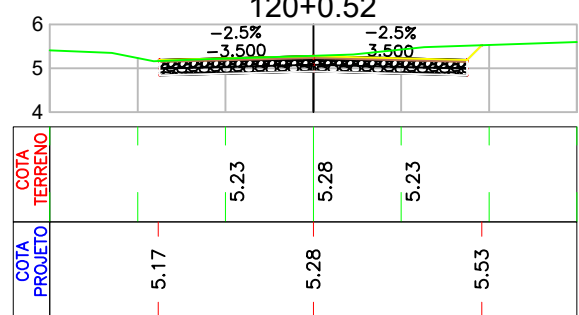
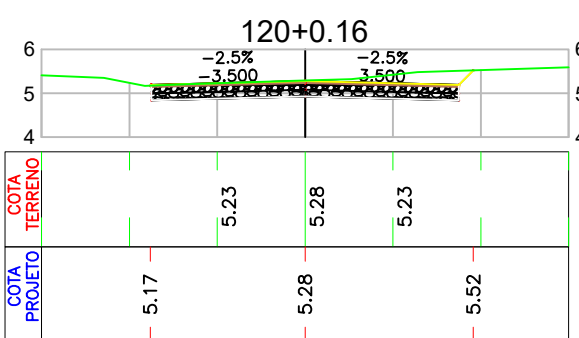
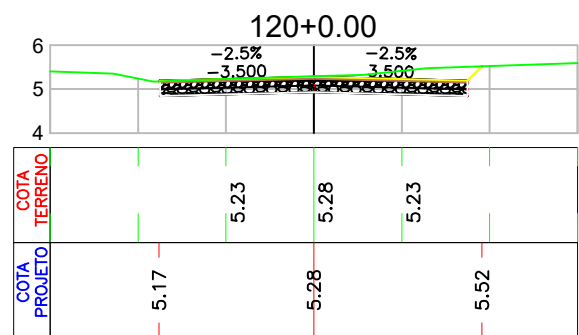
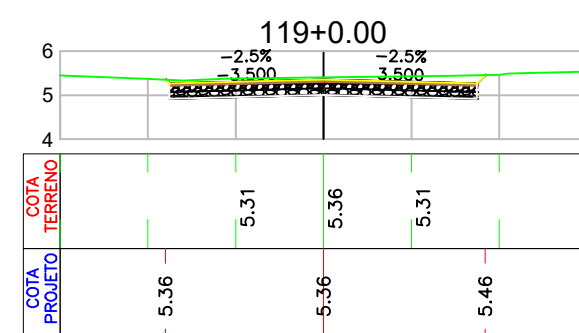
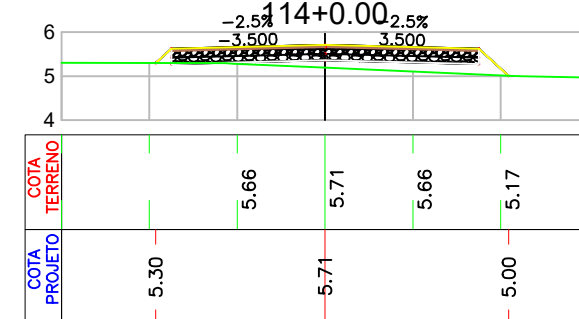
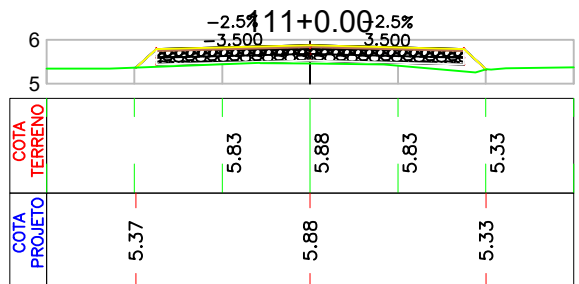
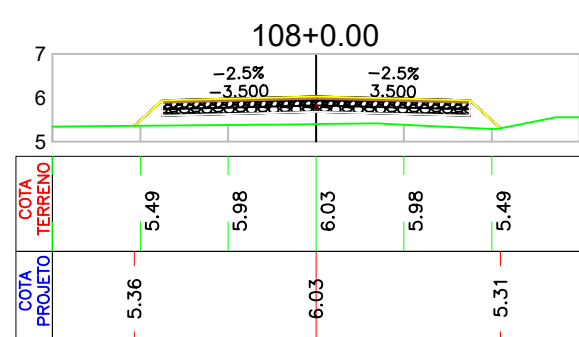
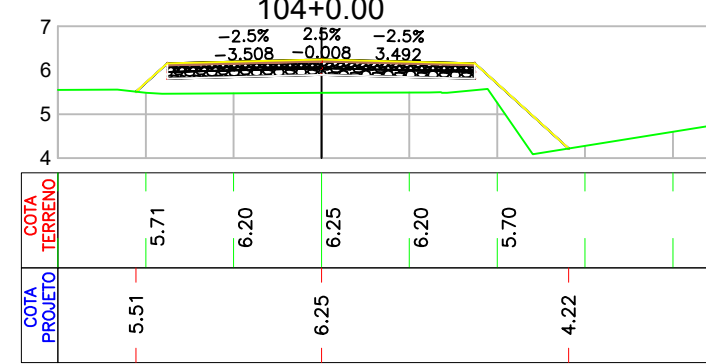
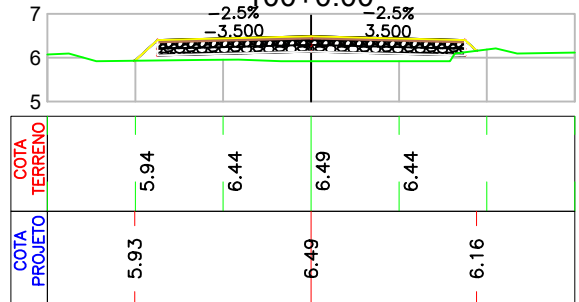
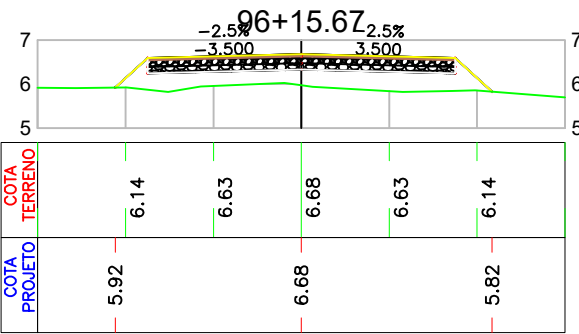
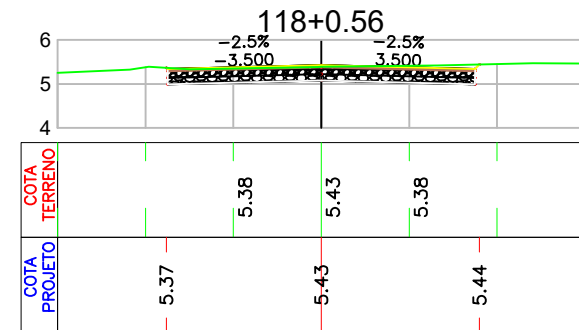
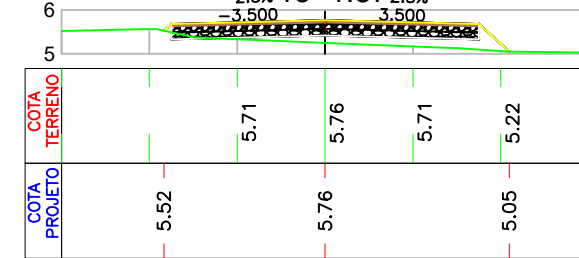
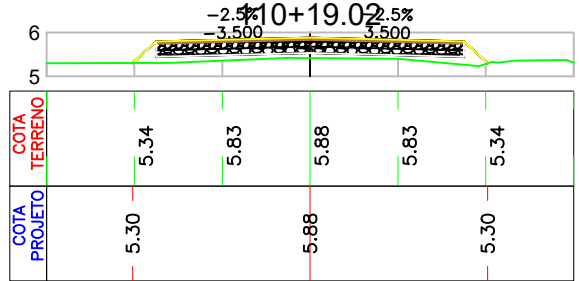
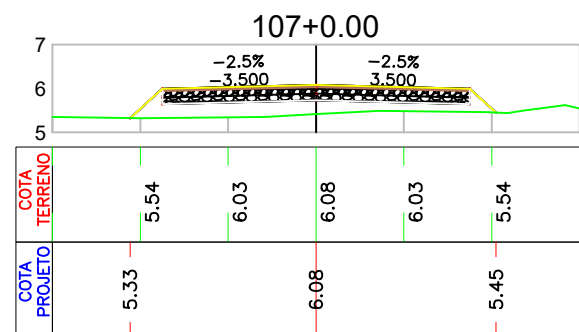
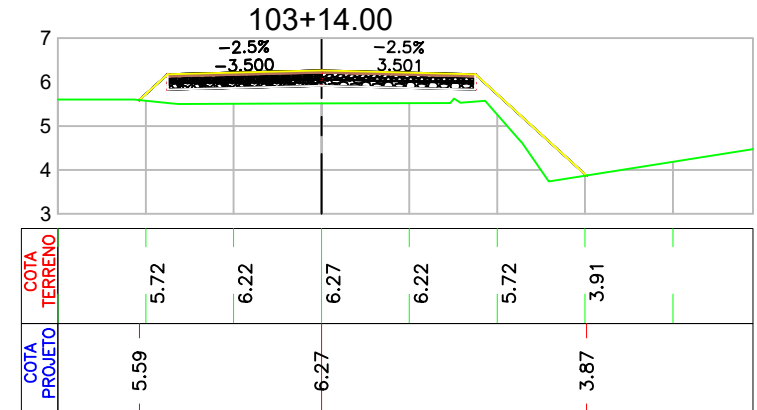
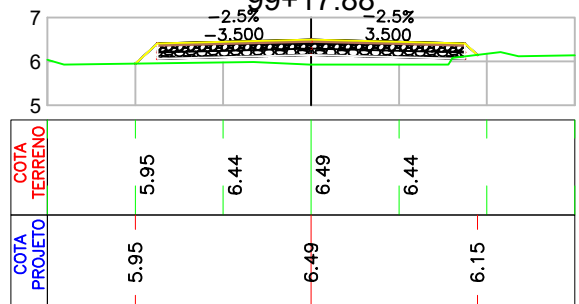
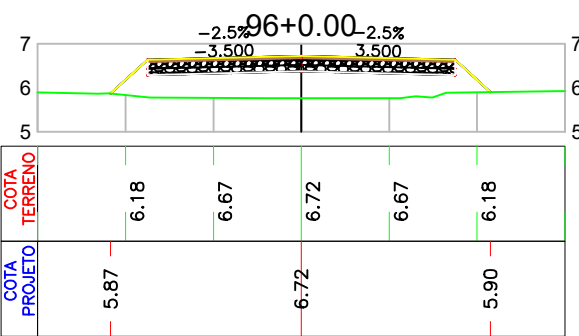
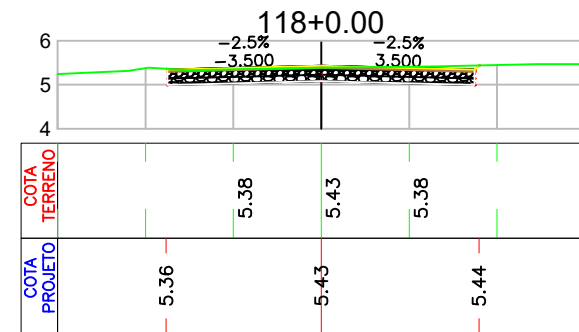
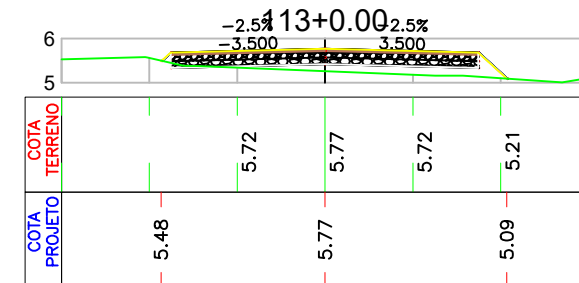
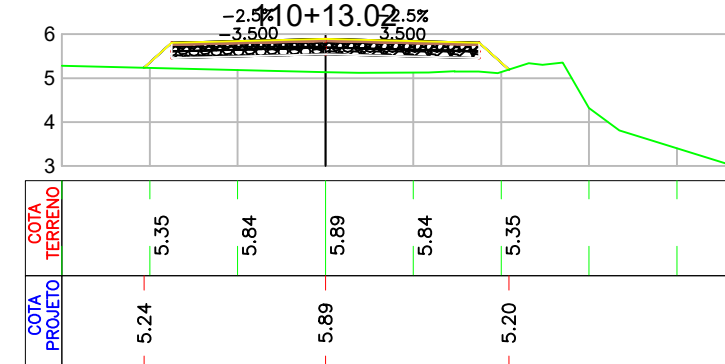
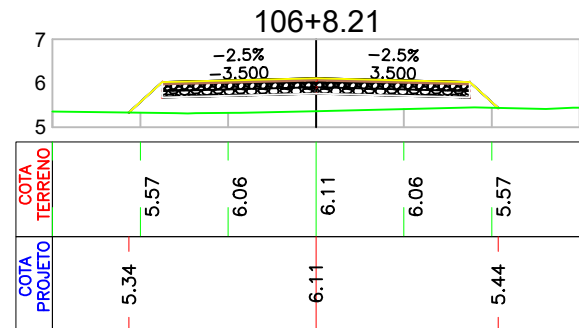
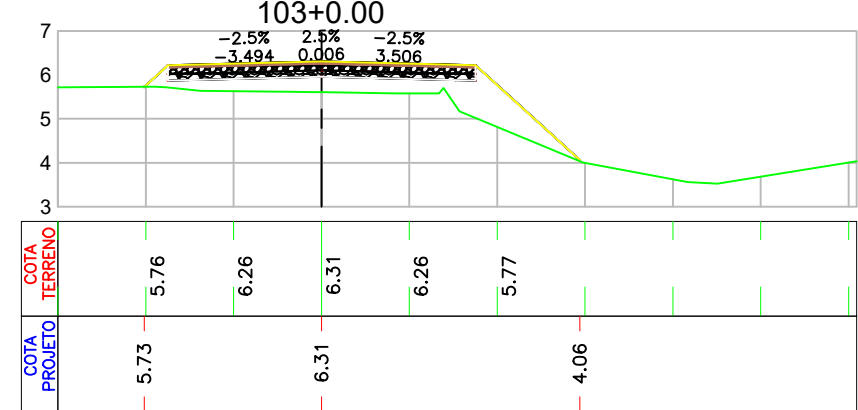
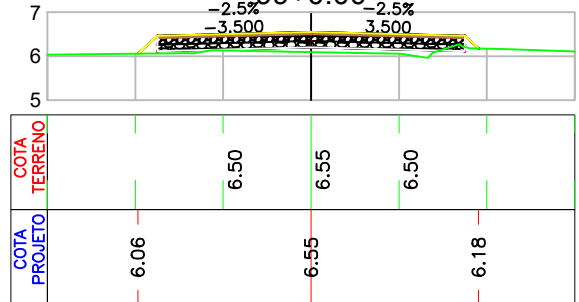
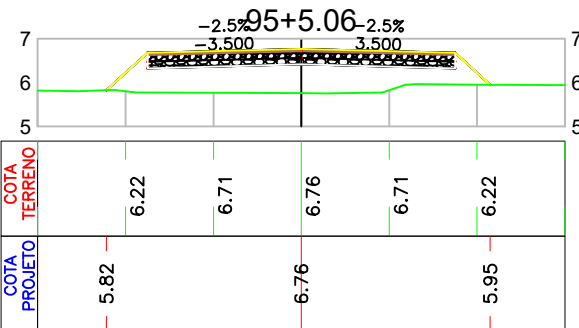
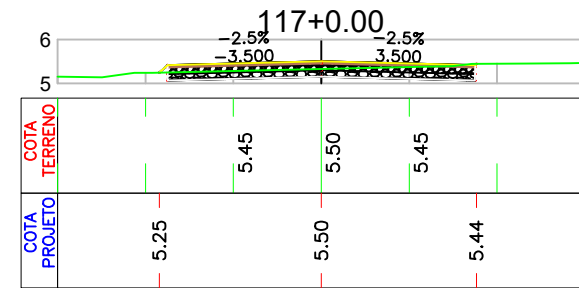
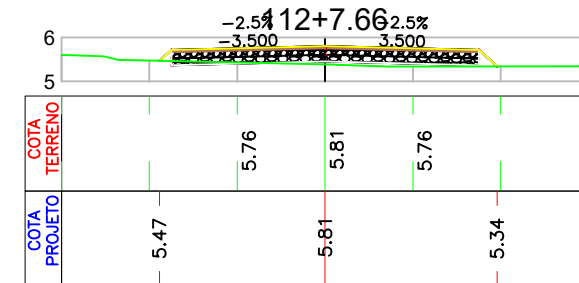
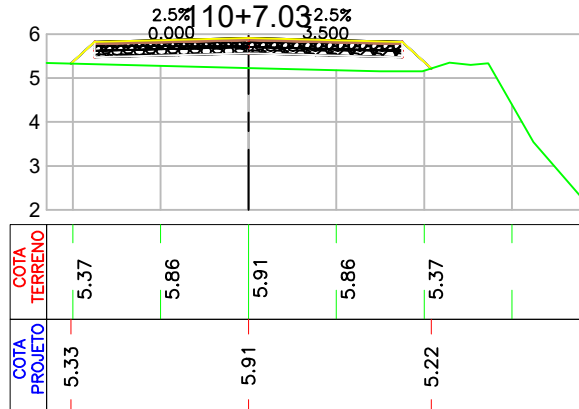
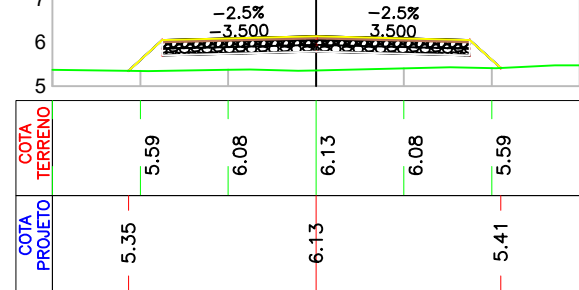
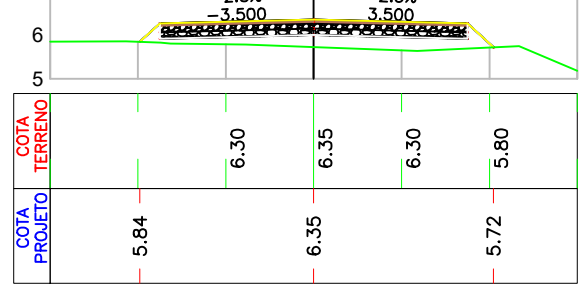
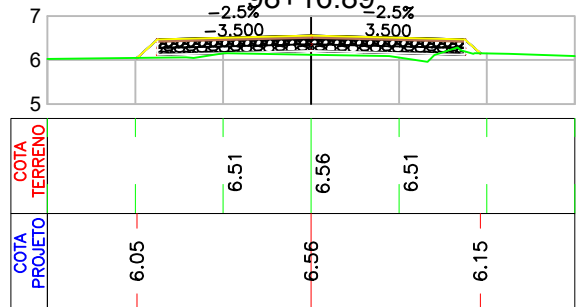
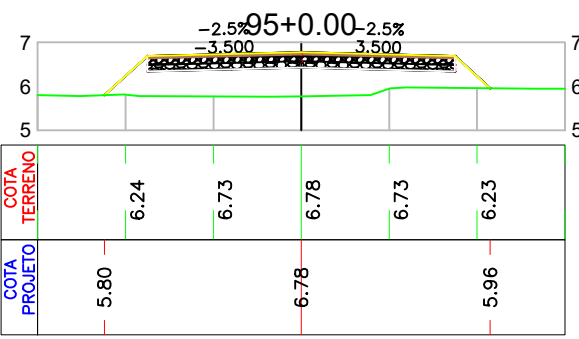
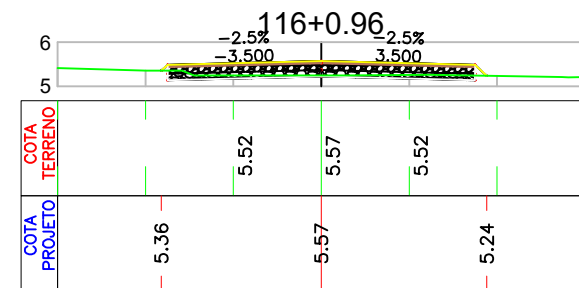
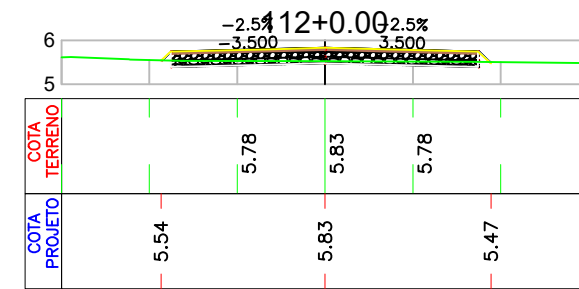
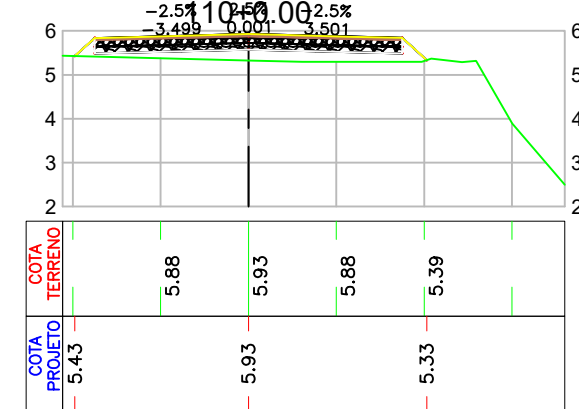
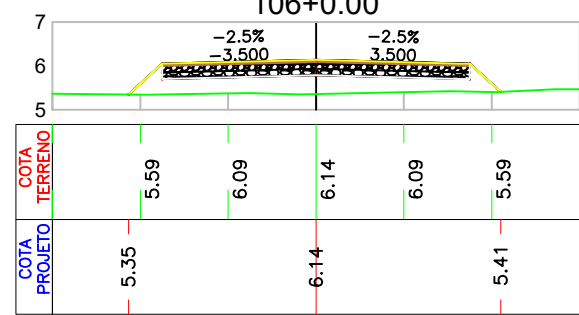
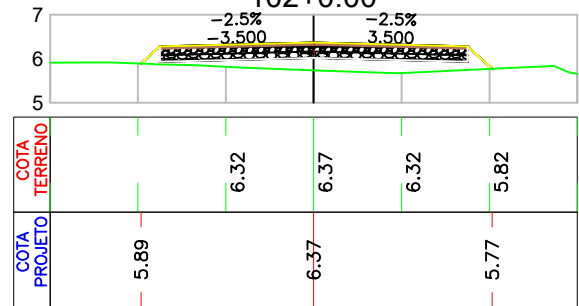
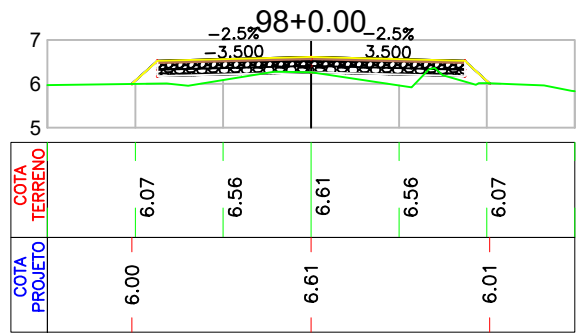
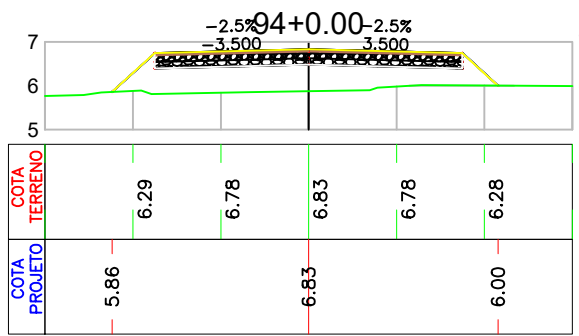
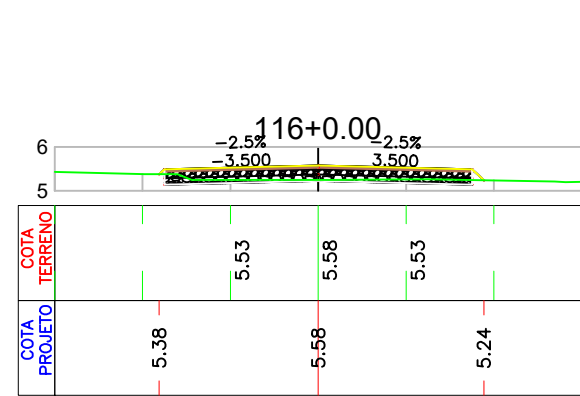
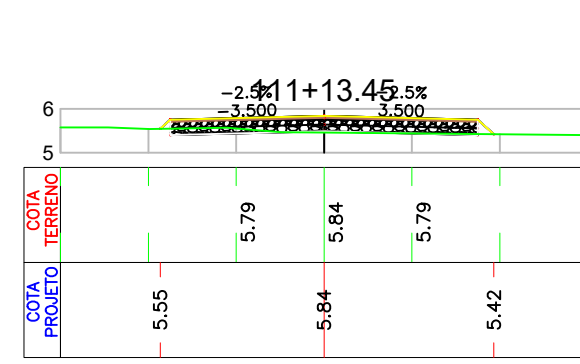
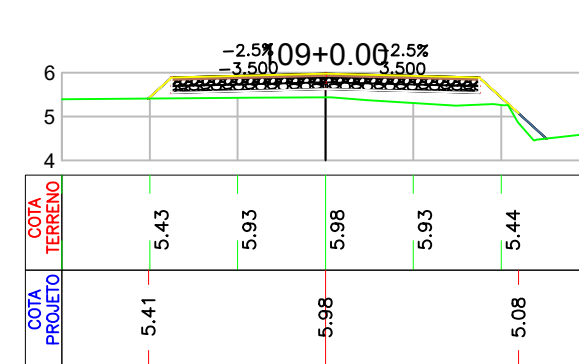
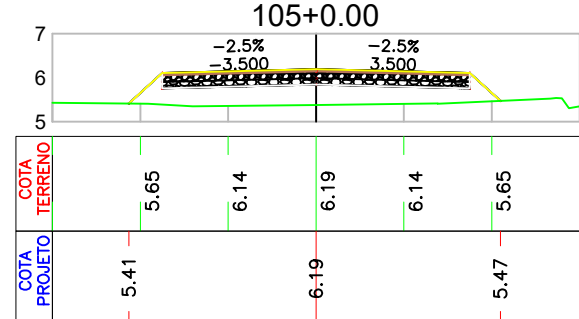
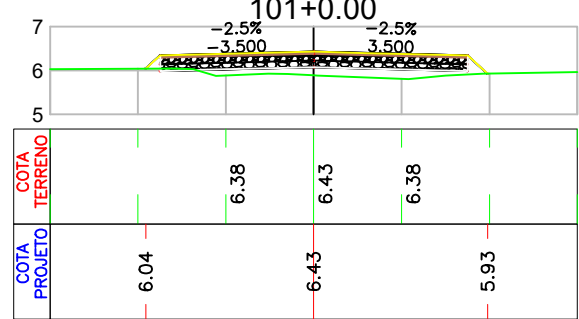
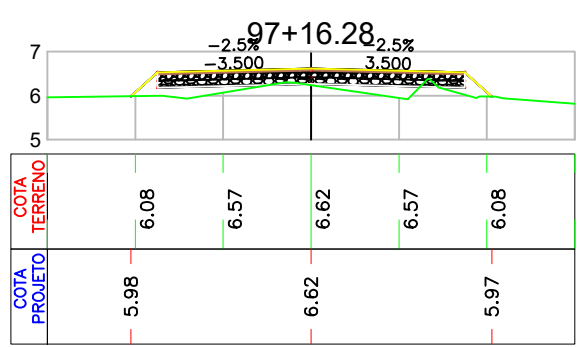
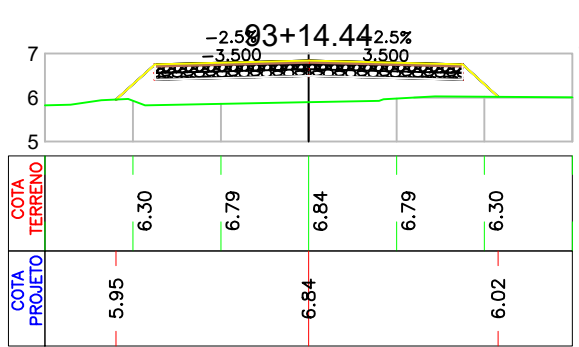


ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO:	PROJETO GEOMÉTRICO SEÇÕES TRANSVERSAIS	CONTEÚDO:	ALINHAMENTO HORIZONTAL, TRAÇADO GEOMÉTRICO, PERFIL LONGITUDINAL, ALINHAMENTO VERTICAL, CURVAS VERTICAIS E HORIZONTAIS.
ÁREA TOTAL:	17.506,23 m²	ESCALA:	1/1000
RESPONSÁVEL TÉCNICO:	NATHAN RICARDO LUIZ ENG. CIVIL - CREA/SC: 174738-0	DATA:	ABRIL 2022
		FOLHA:	03/04
		CONTRATANTE:	MUNICÍPIO DE TIJUCAS CNPJ: 82.577.636/0001-65



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO: PROJETO GEOMÉTRICO
CONTEÚDO: ALINHAMENTO HORIZONTAL, TRAÇADO GEOMÉTRICO, PERFIL LONGITUDINAL, ALINHAMENTO VERTICAL, CURVAS VERTICAIS E HORIZONTAIS.

ÁREA TOTAL: 17.506,23 m²
ESCALA: 1/1000
DATA: ABRIL 2022
FOLHA: 04/04

RESPONSÁVEL TÉCNICO:

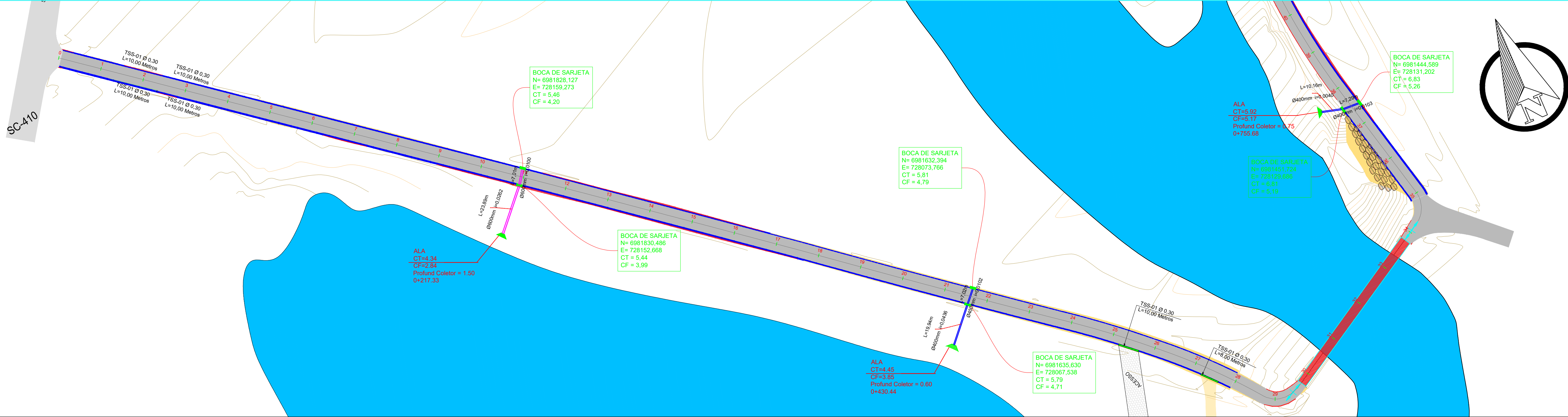
CONTRATANTE:

NATHAN RICARDO LUIZ
ENG.CIVIL - CREA/SC: 174738-0

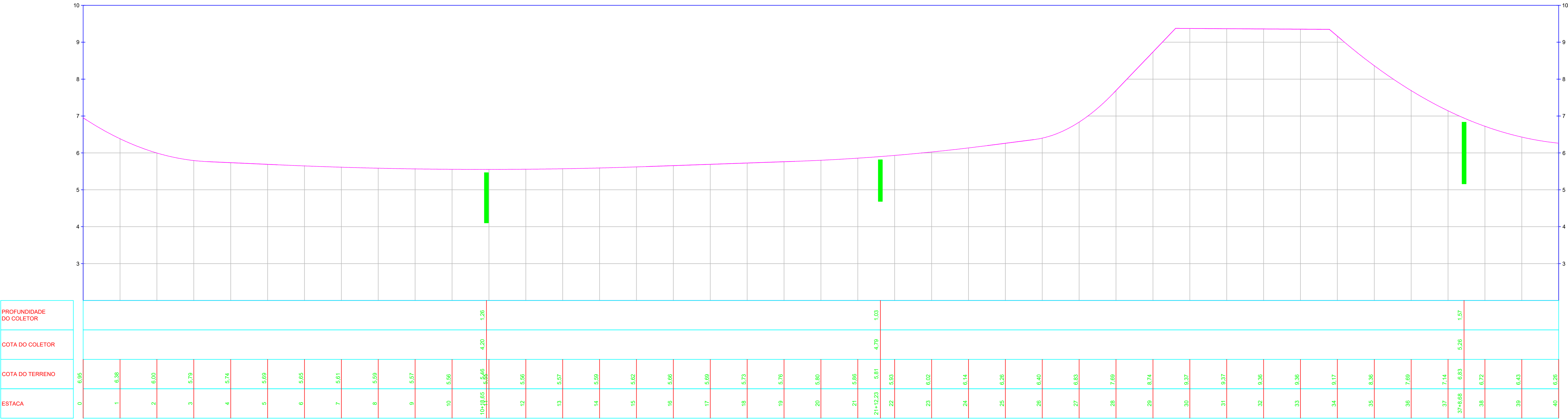
MUNICÍPIO DE TIJUCAS
CNPJ: 82.577.636/0001-65



03 - PROJETO DE DRENAGEM



PERFIL: PERFIL - ALINHAMENTO - TIJUCAS (1)



- BOCA DE SARJETA
- ALA PROJETADA
- TUBULAÇÃO DE CONCRETO 400 mm
- TUBULAÇÃO DE CONCRETO 600 mm
- TUBULAÇÃO DE CONCRETO 1000 mm
- TUBULAÇÃO DE CONCRETO (BUEIRO DUPLO) 1000 mm

EIXO PROJETADOGREIDE PROJETADOPONTO ALTOPONTO BAIXOSARJETA TRAPEZOIDAL DE CONCRETO STC 04TSS-01 (TRAVERSIA SARJETA)



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO:
PROJETO DE DRENAGEM

CONTEÚDO: SARJETAS, BUEIROS, TRAVESSIAS, ESPECIFICAÇÕES E DETALHAMENTOS DE DRENAGEM

ÁREA TOTAL:
17.506,23 m²

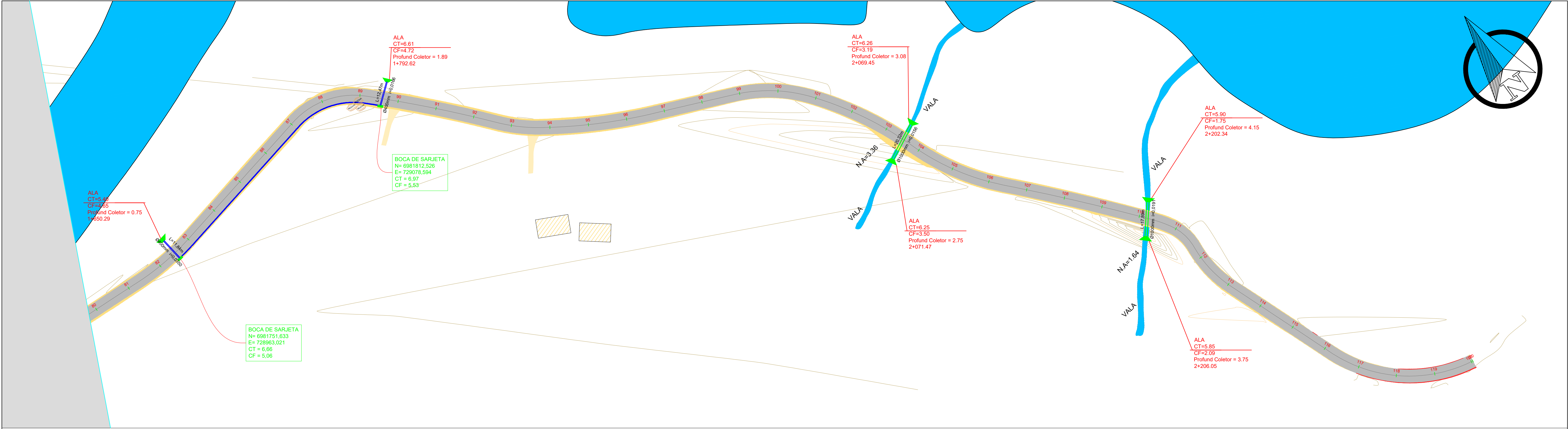
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1/1000

DATA:
ABRIL 2022

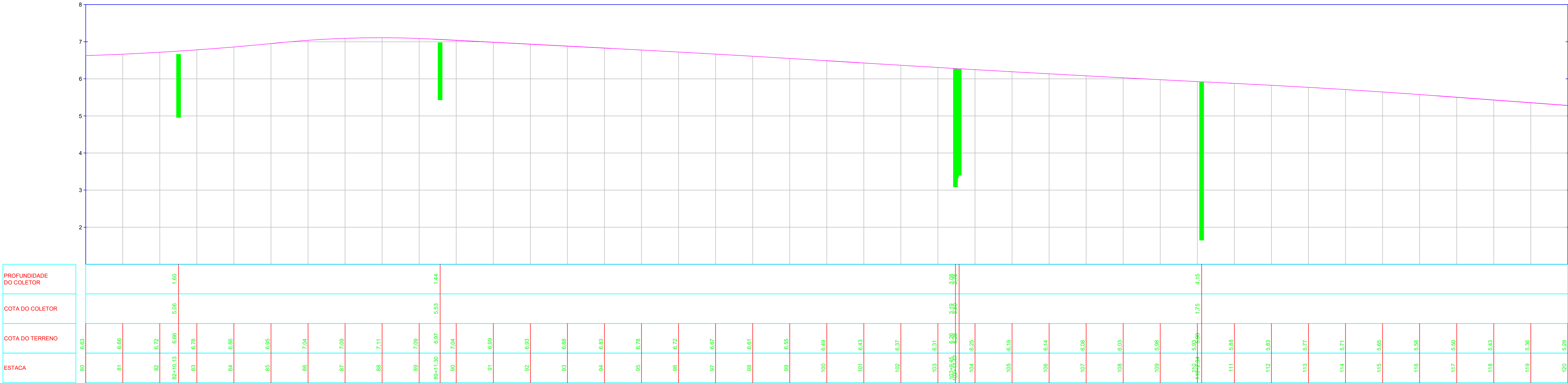
FOLHA:
01/04

RESPONSÁVEL TÉCNICO:
NATHAN RICARDO LUIZ
ENG.CIVIL - CREA/SC: 174738-0

CONTRATANTE:
MUNICÍPIO DE TIJUCAS
CNPJ: 82.577.636/0001-65



PERFIL: PERFIL - ALINHAMENTO - TIJUCAS (3)



BOCA DE SARJETA

ALA PROJETADA

TUBULAÇÃO DE CONCRETO 400 mm

TUBULAÇÃO DE CONCRETO 600 mm

TUBULAÇÃO DE CONCRETO 1000 mm

TUBULAÇÃO DE CONCRETO (BUEIRO DUPLO) 1000 mm

EIXO PROJETADO

GREIDE PROJETADO

PONTO ALTO

PONTO BAIXO

SARJETA TRAPEZOIDAL DE CONCRETO STC 04

TSS-01 (TRAVESSIA SARJETA)



ESTADO DE SANTA CATARINA
MUNICÍPIO DE TIJUCAS
SECRETARIA DE PLANEJAMENTO



PROJETO BÁSICO EXECUTIVO DE ENGENHARIA DE INFRAESTRUTURA URBANA
ESTRADA GERAL PORTO ITINGA
ESTRADA GERAL CAMPIM BRANCO

DESCRIÇÃO:
PROJETO DE DRENAGEM

CONTEÚDO: SARJETAS, BUEIROS, TRAVESSIAS, ESPECIFICAÇÕES E DETALHAMENTOS DE DRENAGEM

ÁREA TOTAL:
17.506,23 m²

ESCALA:
1/1000

DATA:
ABRIL 2022

FOLHA:
03/04

RESPONSÁVEL TÉCNICO:
NATHAN RICARDO LUIZ
ENG. CIVIL - CREA/SC: 174738-0

CONTRATANTE:
MUNICÍPIO DE TIJUCAS
CNPJ: 82.577.636/0001-65

