



MUNICÍPIO DA CIDADE DE XAI-XAI CONSELHO MUNICIPAL

CONTRATAÇÃO DE EMPREITADA PARA A CONSTRUÇÃO DE ESTRADAS NO MUNICÍPIO DE XAI-XAI

Empreitada Para a Construção de:

Lot 1: Construção de 800m da estrada de pavê, com extensão de 800 Metros, 11 Metros de Largura incluindo drenagem e passeios laterais, troço Mateus Sansão Muthemba/Vilanculos

Lot 2: Construção da estrada em pavê, com extensão de 1.2km e 10 Metros de largura incluindo drenagem e passeios laterais, no 3º Bairro do Posto Administrativo Patrice Lumumba

Concurso Nr. Lote 1: 90J000141/SBQP/04/2022

Lote 2: 90J000141/SBQP/05/2022

DOCUMENTO DE CONCURSO VOLUME 4 de 4 – LOT 1 & 2

Município De Xai-Xai

Endereço: Rua/Av: Samora Machel

Email: cmcxxugea@gmail.com

Província de Gaza

Moçambique

ANEXO 6

DESENHOS



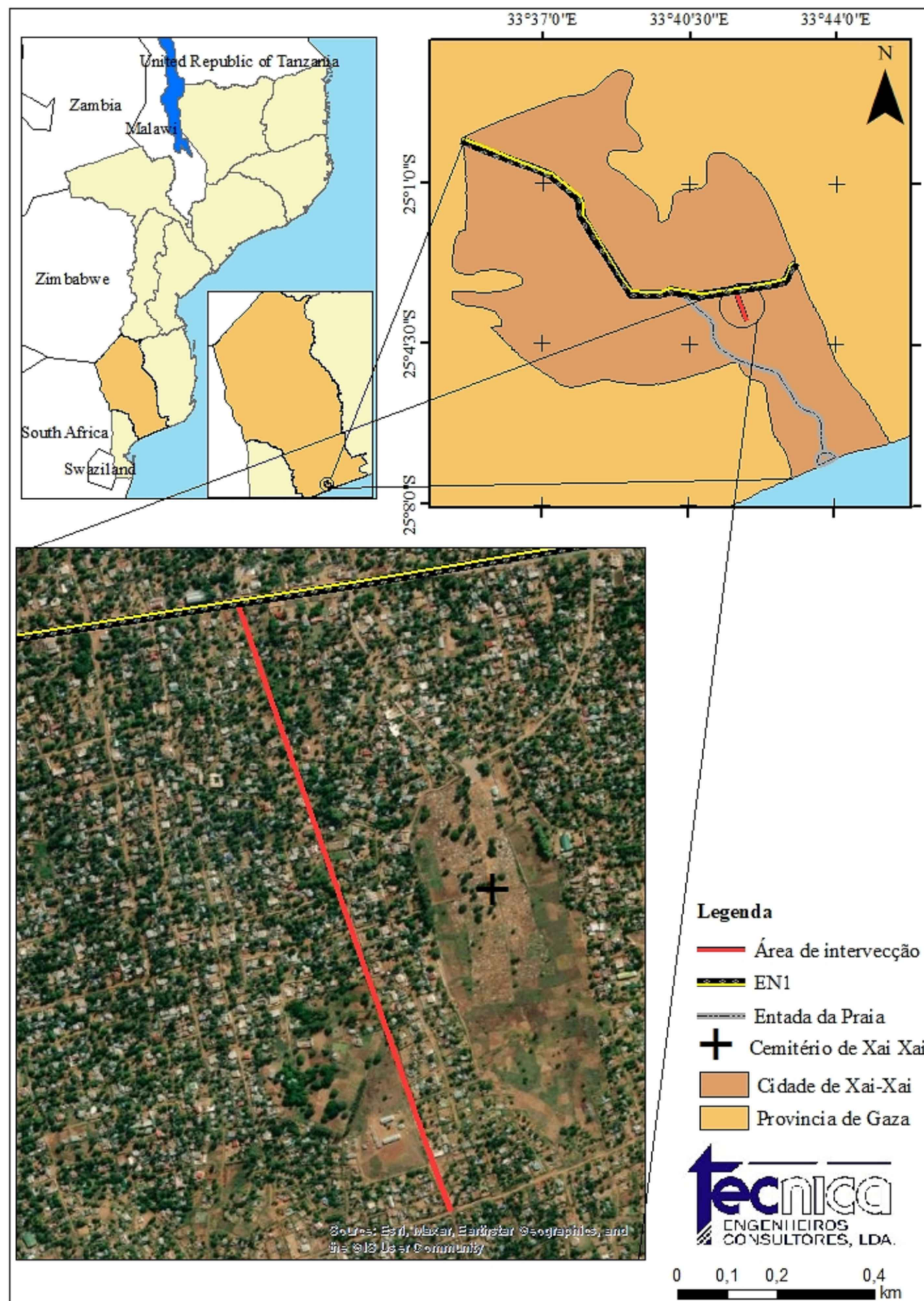
CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

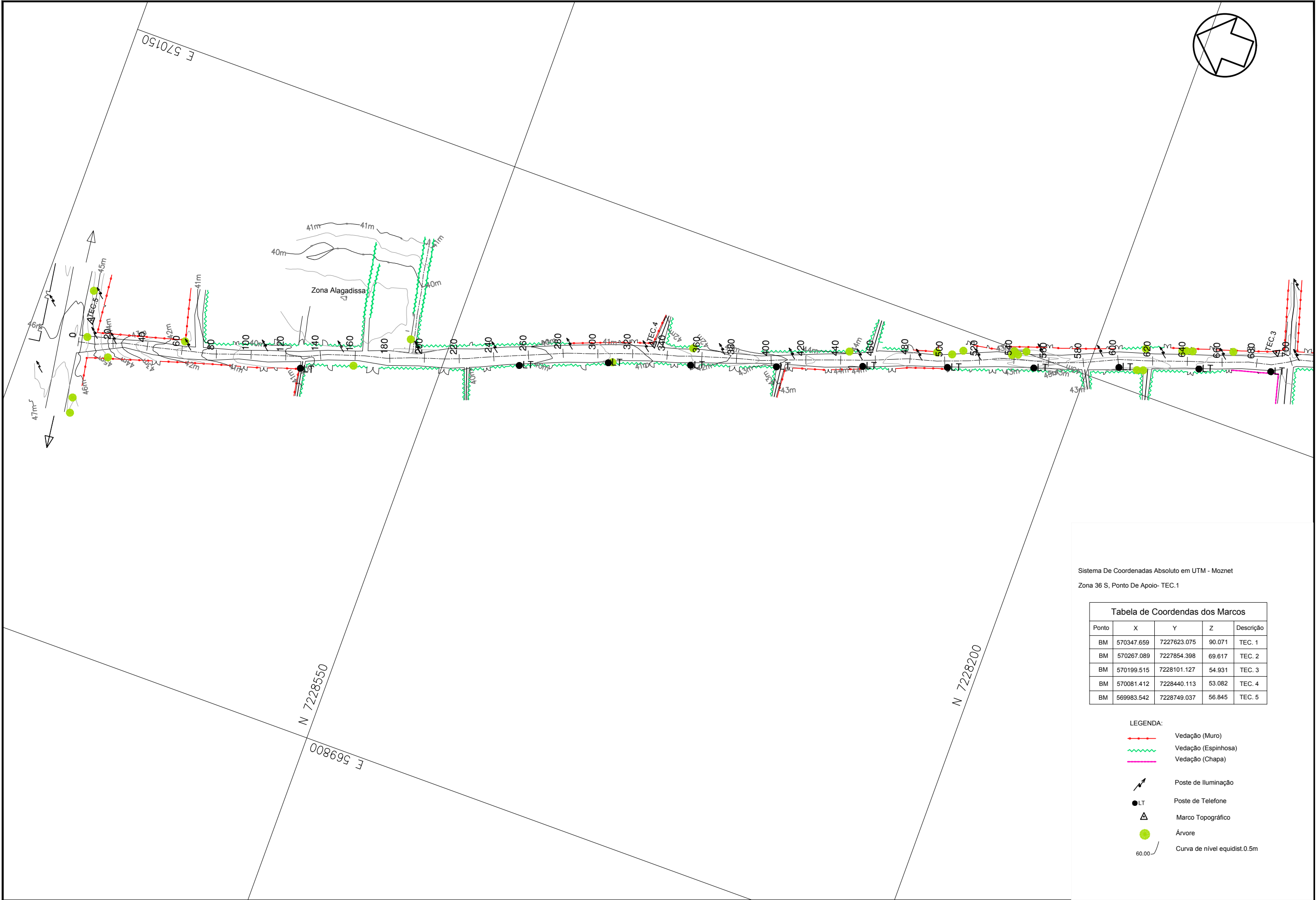
Elaboração de Estudos de Especialidade e Projecto Executivo para a Pavimentação de 800m de Estrada (Sansão Mutemba / Vilanculos)

LISTA DE DESENHOS

Ref	DESCRIÇÃO	Nº	Escala	Ref	DESCRIÇÃO	Nº	Escala
1	ENQUADRAMENTO GEOGRÁFICO DO PROJECTO	G-00	S/E	29	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-18	1:200
2	PLANTA TOPOGRÁFICA Km 0+000 - Km 0+700	PP-02	1:2000	30	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-19	1:200
3	PLANTA TOPOGRÁFICA Km 0+700 - Km 1+379.41	PP-03	1:2000	31	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-20	1:200
4	PERFIL LONGITUDINAL EXISTENTE	PP-04	H=1:4000 / =1:400	32	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-21	1:200
5	PLANTA DE IMPLANTAÇÃO - Km 0+00 - Km 0+700	PG-01	1:1000	33	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-22	1:200
6	PLANTA DE IMPLANTAÇÃO - Km 0+700 - Km 1+060	PG-02	1:1000	34	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-23	1:200
7	PLANTA DE IMPLANTAÇÃO - Km 1+060 - Km 1+379.41	PG-03	1:1000	35	PLANTA DE IMPLANTAÇÃO E PORMENOR DE MONTAGEM DOS GABIÕES KM 0+880 - KM 1+100	PD-01	1:700 / 1:50
8	PROJECTO GEOMÉTRICO - PLANTA DE IMPLANTAÇÃO DAS PARAGENS	PG-04	1:1000 / 1:250	36	DRENAGEM - PORMENORES DO CRUZAMENTO COM A EN1	PD-02	1:100
9	PERFIS LONGITUDINAIS - Km 0+000 - Km 0+499.20	PG-05	H=1:1500 / V=1:150	37	DRENAGEM - PLANTA DE IMPLANTAÇÃO DA BACIA 1	PD-03	1:100
10	PERFIS LONGITUDINAIS - Km 0+499.20 - Km 0+998.40	PG-06	H=1:1500 / V=1:150	38	DRENAGEM - PLANTA DE IMPLANTAÇÃO DA BACIA 1 - LIGAÇÃO DAS VALAS 2 & 3 COM BACIA 2	PD-04	1:200
11	PERFIS LONGITUDINAIS - Km 0+998.40 - Km 1+379.41	PG-07	H=1:1500 / V=1:150	39	DRENAGEM - PORMENORES CONSTRUTIVOS	PD-05	1:100
12	PROJECTO DOS PAVIMENTOS, PORMENORES DA ESTRUTURA	PT-01	1:100	40	DRENAGEM - PERFIL LONGITUDINAL DA VALA EM CASCATA E PORMENORES	PD-06	1:150
13	PROJECTO DOS PAVIMENTOS, PORMENORES DA ESTRUTURA	PT-02	1:100	41	DRENAGEM - PORMENOR DAS LAJES DOS ACESSOS E DA PASSAGEM MOLHADA	PD-07	
14	PORMENORES DAS ENTRADAS	PT-03	1:100	42	DRENAGEM - PORMENOR DA GRELHA METÁLICA E DO AQUEDUTO AO KM 0+879	PD-08	S/E
15	PROJECTO DOS PAVIMENTOS, PORMENORES DA ESTRUTURA	PT-04	1:100	43	DRENAGEM - BACIA DE RETENÇÃO 1 - PERFIL TRANSVERSAL TIPO	PD-09	1:100
16	PROJECTO DOS PAVIMENTOS, PORMENORES DA ESTRUTURA	PT-05	1:100	44	DRENAGEM - BACIA 1- DIQUE NORTE - PERFIL LONGITUDINAL E TRANSVERSAL	PD-10	1:100 / 1:50
17	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-06	1:100	45	DRENAGEM - BACIA 1- DIQUE SUL - PERFIL LONGITUDINAL E TRANSVERSAL	PD-11	1:100 / 1:50
18	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-07	1:100	46	DRENAGEM - BACIA 1- DIQUE ESTE - PERFIL LONGITUDINAL E TRANSVERSAL	PD-12	1:100 / 1:50
19	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-08	1:100	47	DRENAGEM - BACIA 1- DIQUE OESTE - PERFIL LONGITUDINAL E TRANSVERSAL	PD-13	1:100 / 1:50
20	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-09	1:200	48	DRENAGEM - BACIA 2- PERFIL LONGITUDINAL - MUROS NORTE E SUL	PD-14	1:100 / 1:50
21	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-10	1:200	49	DRENAGEM - BACIA 2- PERFIL LONGITUDINAL - MUROS NORTE E SUL	PD-15	1:100 / 1:50
22	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-11	1:200	50	DRENAGEM - BACIA 2 - PERFIS TRANSVERSAIS - MUROS ESTE E OESTE	PD-16	1:100
23	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-12	1:200	51	DRENAGEM - BACIA 2 - PERFIS TRANSVERSAIS - KM 0+820 & KM 0+835	PD-17	1:200
24	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-13	1:200	52	DRENAGEM - BACIA 2 - PERFIS TRANSVERSAIS - KM 0+840 & KM 0+860	PD-18	1:100
25	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-14	1:200	53	DRENAGEM - BACIA 2 - MUROS NORTE E SUL	PD-19	1:100
26	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-15	1:200	54	SINALIZAÇÃO HORIZONTAL E VERTICAL KM 0+000 A KM 0+700	SN-01	1:2000
27	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-16	1:200	55	SINALIZAÇÃO HORIZONTAL E VERTICAL KM 0+700 A KM 1+320	SN-02	1:2000
28	PROJECTO DOS PAVIMENTOS, LAYOUT DOS PERFIS TRANSVERSAIS	PT-17	1:200	56	SINALIZAÇÃO - PORMENORES DA LOMBA	SN-03	1:2000
				57	SINALIZAÇÃO-PORMENORES DE FIXAÇÃO DE SINAIS VERTICAIS	SN-04	1:2000

31.05.2022





Sistema De Coordenadas Absoluto em UTM - Moznet
Zona 36 S, Ponto De Apoio- TEC.1

Tabela de Coordenas dos Marcos				
Ponto	X	Y	Z	Descrição
BM	570347.659	7227623.075	90.071	TEC. 1
BM	570267.089	7227854.398	69.617	TEC. 2
BM	570199.515	7228101.127	54.931	TEC. 3
BM	570081.412	7228440.113	53.082	TEC. 4
BM	569983.542	7228749.037	56.845	TEC. 5

- LEGENDA:
- Vedação (Muro)
 - Vedação (Espinhosa)
 - Vedação (Chapa)
 - Poste de Iluminação
 - Poste de Telefone
 - Marco Topográfico
 - Árvore
 - Curva de nível equidist.0.5m



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216658
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpnb@tdm.co.mz

QUELIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
FAX +258 24 215784
EMAIL: tecklm@tdm.co.mz

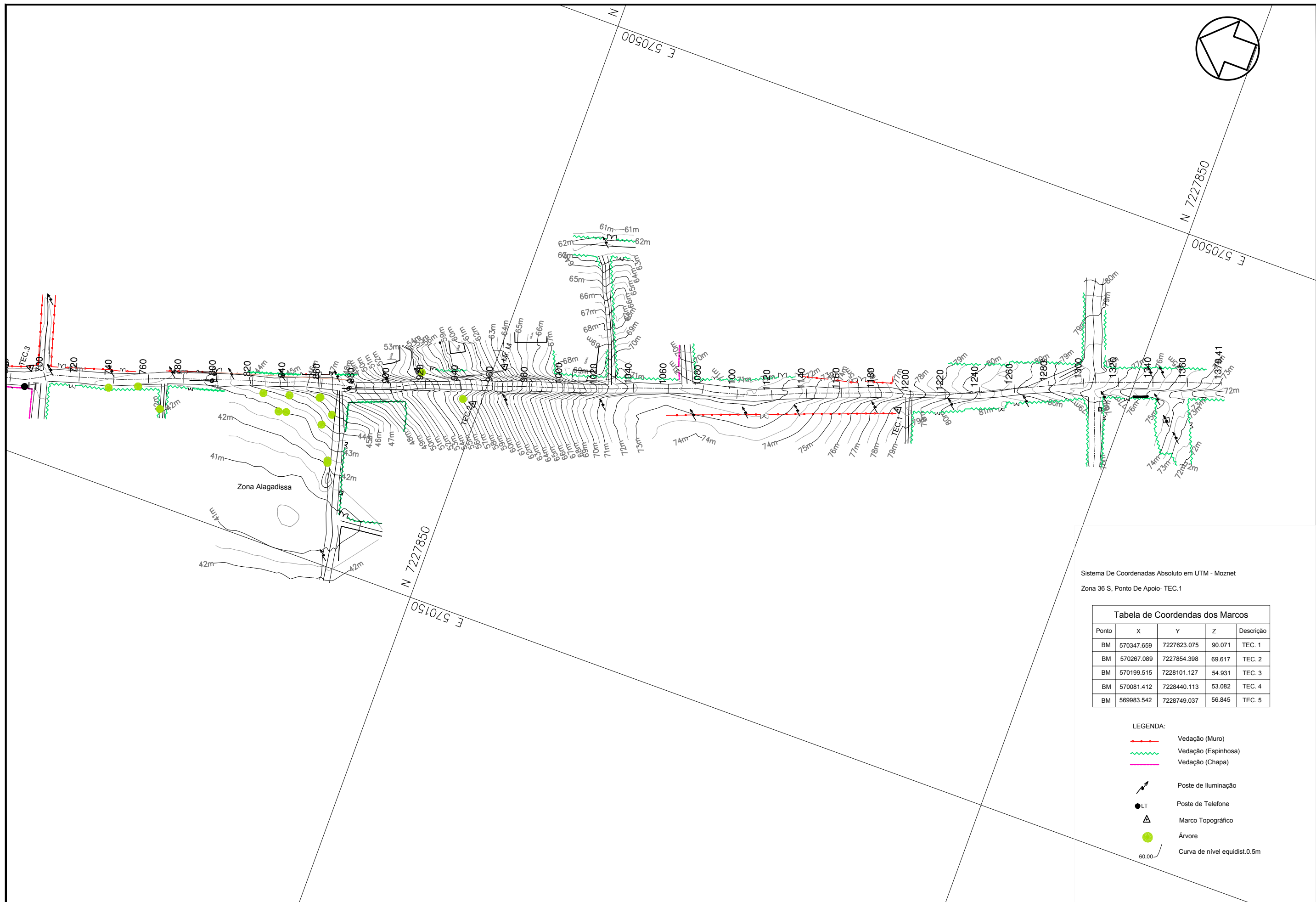
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PROJECTADO W. Monteiro
DESENHADO J. Pereira
CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PP-02
PROJECTO No. 907
ASSUNTO: LEVANTAMENTO TOPOGRÁFICO
PLANTA KM 0+000 A KM 0+700
ESCALA: 1:2000



Sistema De Coordenadas Absoluto em UTM - Moznet
Zona 36 S, Ponto De Apoio- TEC.1

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Ponto	X	Y	Z	Descrição
BM	570347.659	7227623.075	90.071	TEC. 1
BM	570267.089	7227854.398	69.617	TEC. 2
BM	570199.515	7228101.127	54.931	TEC. 3
BM	570081.412	7228440.113	53.082	TEC. 4
BM	569983.542	7228749.037	56.845	TEC. 5

- LEGENDA:
- Vedação (Muro)
 - Vedação (Espinhosa)
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MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216958
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpmb@tdm.co.mz

QUEILIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
FAX +258 24 215784
EMAIL: teckim@tdm.co.mz

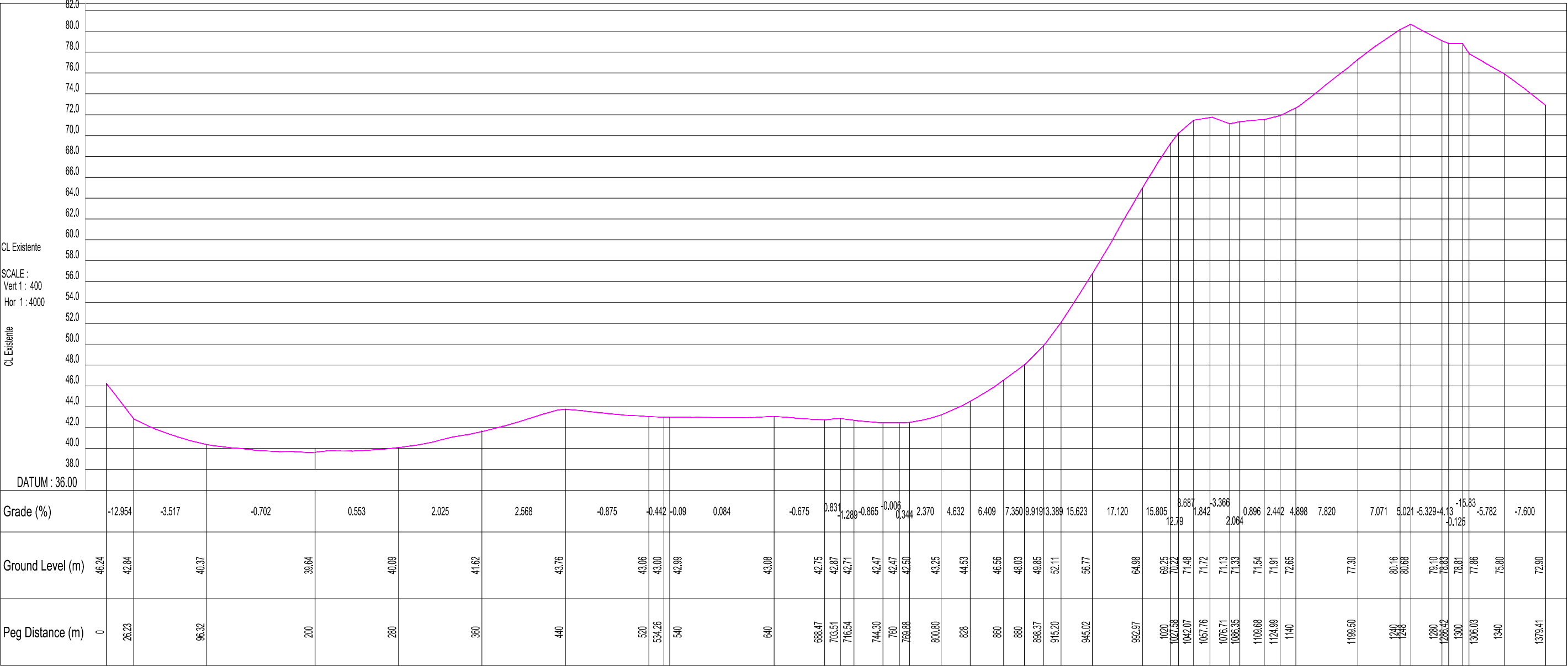
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PROJECTADO W. Monteiro
DESENHADO J. Pereira
CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PP-03
PROJECTO No. 907
ASSUNTO: LEVANTAMENTO TOPOGRÁFICO
PLANTA KM 0+700 A KM 1+379,41
ESCALA: 1:2000



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
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PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
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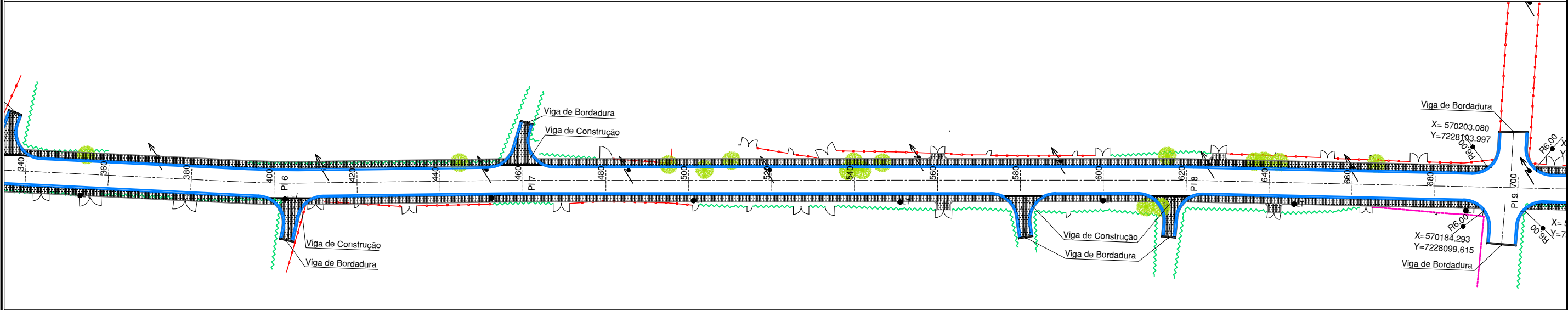
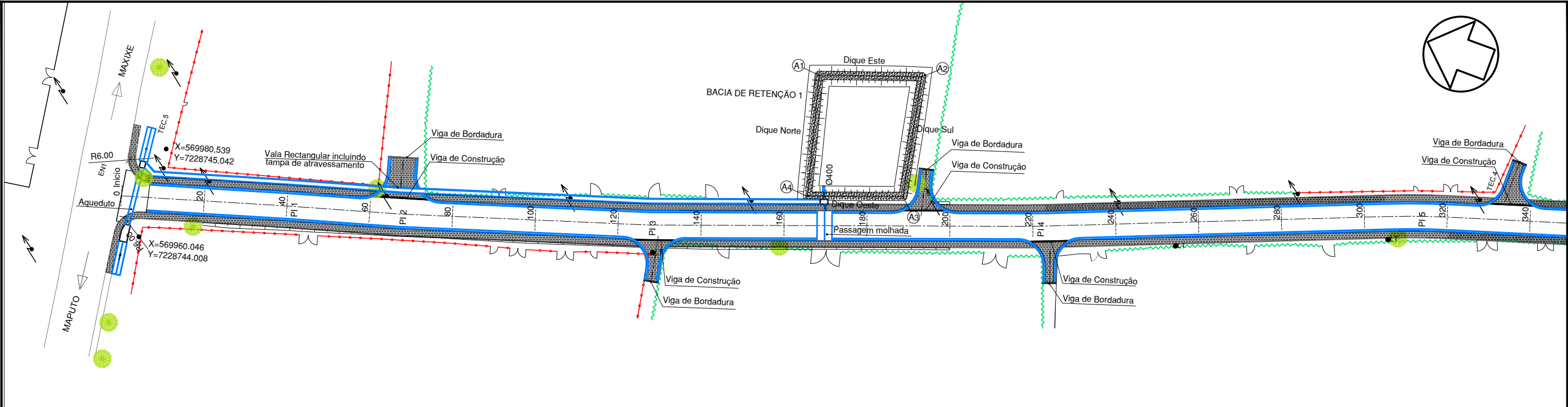
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CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

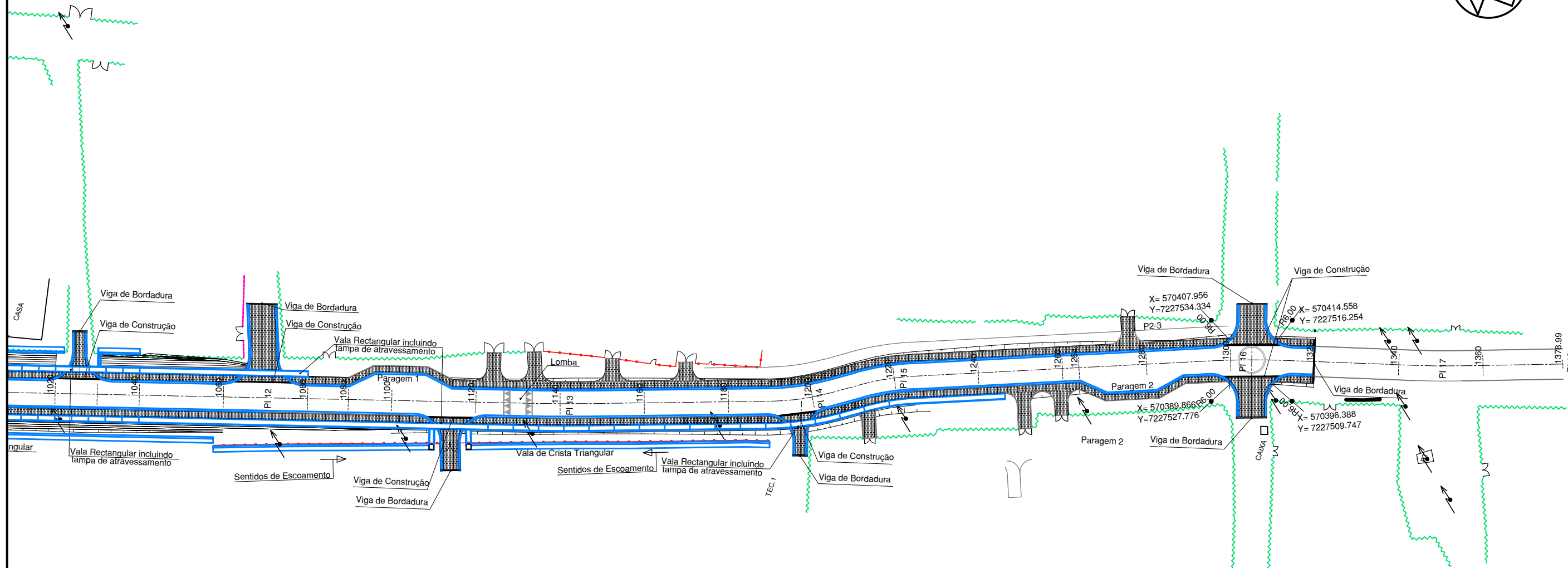
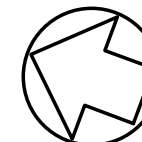
PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PP-04
PROJECTO No. 907
ASSUNTO: LEVANTAMENTO TOPOGRAFICO
PERFIL LONGITUDINAL EXISTENTE

ESCALA: H=1:4000 / V=1:400



PI no	Nome	COORDENADAS HORIZONTAIS		Raio (m)	Defleccao
		E	N		
1	Start	569967.7600	7228751.3150	0.000	
2	PI 1	569979.0930	7228713.0360	0.000	Direita
3	PI 2	569986.6040	7228686.7290	0.000	Esquerda
4	PI 3	570004.6590	7228629.3710	0.000	Esquerda
5	PI 4	570036.0689	7228542.1183	200.000	Esquerda
6	PI 5	570070.2390	7228455.7720	200.000	Direita
7	PI 6	570095.8080	7228373.0220	200.000	Esquerda
8	PI 7	570116.6459	7228317.9842	200.000	Direita
9	PI 8	570171.7130	7228166.7100	200.000	Direita
10	PI 9	570196.8520	7228092.4570	200.000	Direita
11	PI 10	570227.9580	7227999.9770	200.000	Direita
12	PI 11	570250.6800	7227924.4800	200.000	Esquerda
13	PI 12	570313.7440	7227739.4030	1000.000	Direita
14	PI 13	570336.3890	7227672.9090	400.000	Esquerda
15	PI 14	570356.7120	7227619.1850	60.000	Esquerda
16	PI 15	570368.7070	7227602.3510	60.000	Direita
17	PI 16	570402.2100	7227523.2470	200.000	Direita
18	PI 17	570416.1690	7227479.8790	200.000	Esquerda
19	PI 18	570426.7600	7227452.2900	0.000	



PI no	Nome	COORDENADAS HORIZONTAIS		Raio (m)	Defleccao
		E	N		
1	Start	569967.7600	7228751.3150	0.000	
2	PI 1	569979.0930	7228713.0360	0.000	Direita
3	PI 2	569986.6040	7228686.7290	0.000	Esquerda
4	PI 3	570004.6590	7228629.3710	0.000	Esquerda
5	PI 4	570036.0689	7228542.1183	200.000	Esquerda
6	PI 5	570070.2390	7228455.7720	200.000	Direita
7	PI 6	570095.8080	7228373.0220	200.000	Esquerda
8	PI 7	570116.6459	7228317.9842	200.000	Direita
9	PI 8	570171.7130	7228166.7100	200.000	Direita
10	PI 9	570196.8520	7228092.4570	200.000	Direita
11	PI 10	570227.9580	7227999.9770	200.000	Direita
12	PI 11	570250.6800	7227924.4800	200.000	Esquerda
13	PI 12	570313.7440	7227739.4030	1000.000	Direita
14	PI 13	570336.3890	7227672.9090	400.000	Esquerda
15	PI 14	570356.7120	7227619.1850	60.000	Esquerda
16	PI 15	570368.7070	7227602.3510	60.000	Direita
17	PI 16	570402.2100	7227523.2470	200.000	Direita
18	PI 17	570416.1690	7227479.8790	200.000	Esquerda
19	PI 18	570426.7600	7227452.2900	0.000	



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

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AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
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EMAIL: tecnp@tdm.co.mz

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EMAIL: tecpmb@tdm.co.mz

QUELIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
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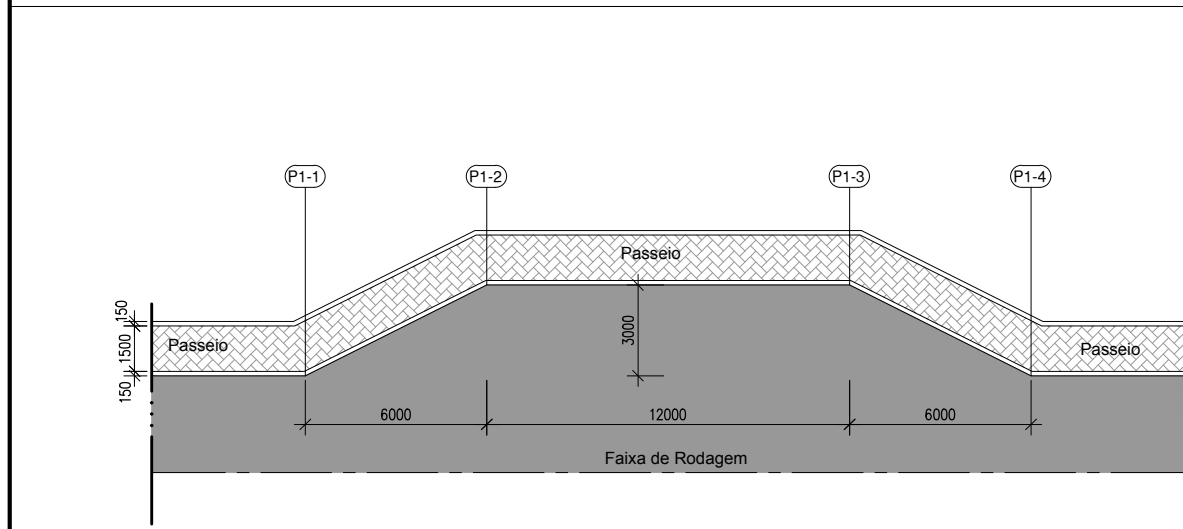
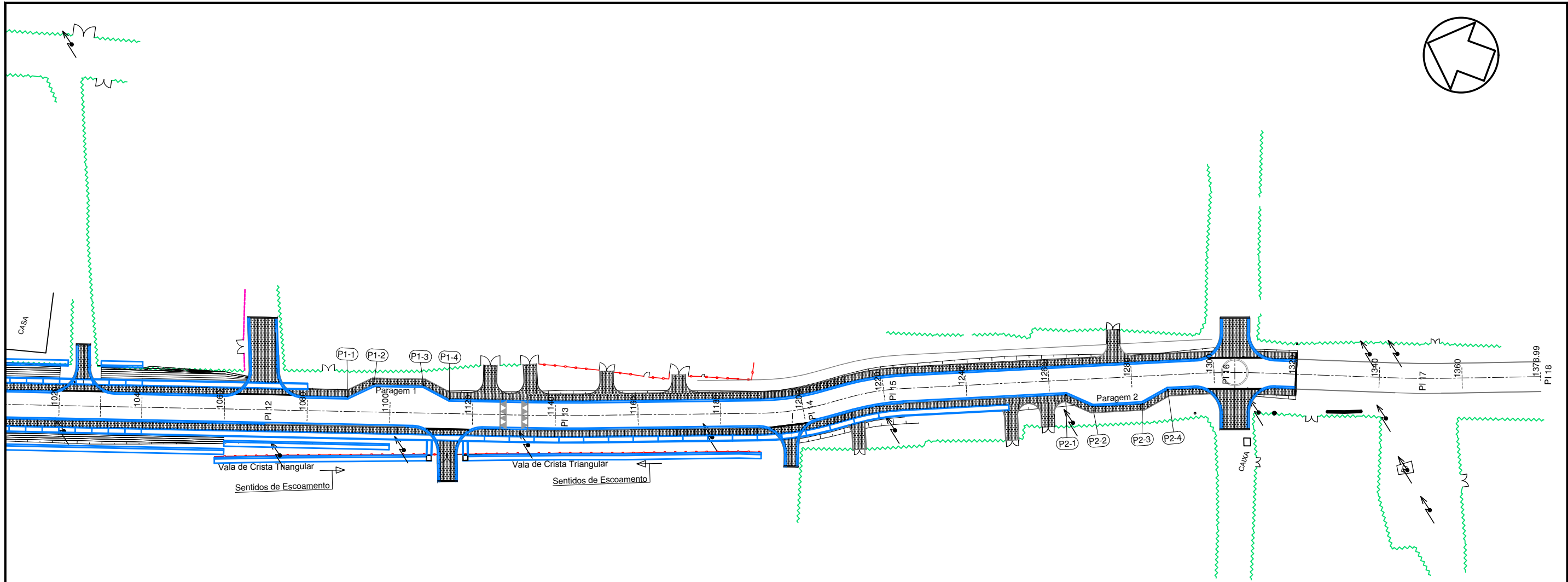
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DESENHADO R. Pereira
CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE: CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

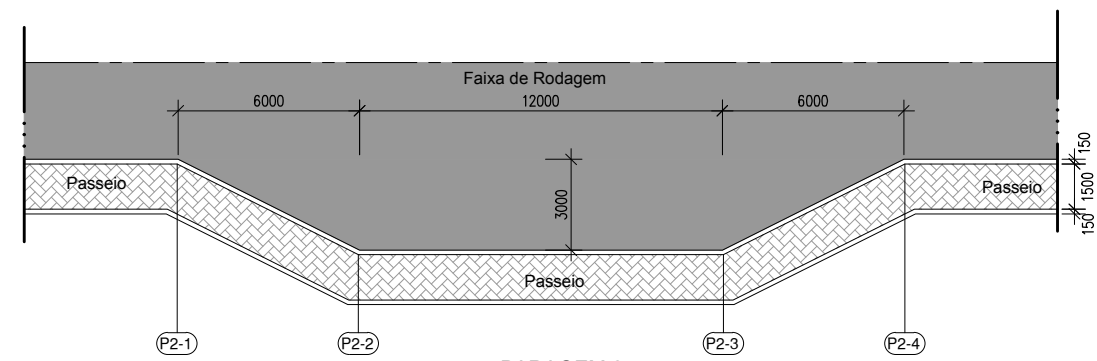


PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PG-03
PROJECTO No. 907
ASSUNTO: PROJECTO GEOMETRICO
PLANTA DE IMPLANTACAO
KM 1+060 - KM 1+378.99
ESCALA: 1:1000



PARAGEM 1



PARAGEM 2

Tabela de Coordenadas de Implantacao da Paragem 1		
Ponto	X	Y
P1 - 1	570323.564	7227721.734
P1 - 2	570328.577	7227716.786
P1 - 3	570332.468	7227705.359
P1 - 4	570331.518	7227698.380

Tabela de Coordenadas de Implantacao da Paragem 2		
Ponto	X	Y
P2 - 1	570383.323	7227558.610
P2 - 2	570382.880	7227551.576
P2 - 3	570387.588	7227540.462
P2 - 4	570392.946	7227535.889



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216658
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpmb@tdm.co.mz

QUELIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
FAX +258 24 215784
EMAIL: tecqlm@tdm.co.mz

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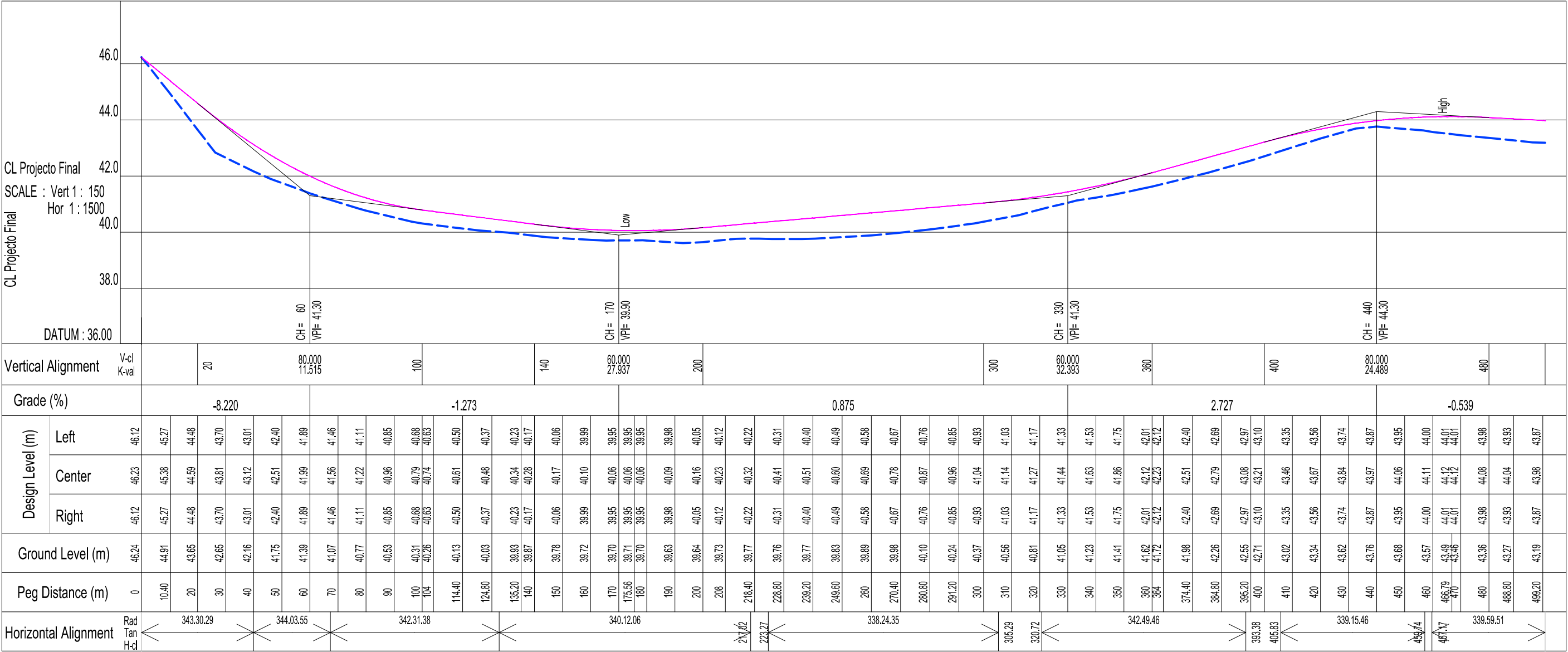
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CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE: CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PG-04
PROJECTO No. 907
ASSUNTO: PROJECTO GEOMETRICO PLANTA DE IMPLANTACAO DAS PARAGENS

ESCALA: 1:1000 / 1:250



LEGENDA:
--- Terreno Natural
— Rasante



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216658
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpnb@tdm.co.mz

QUELIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
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EMAIL: tecqli@tdm.co.mz

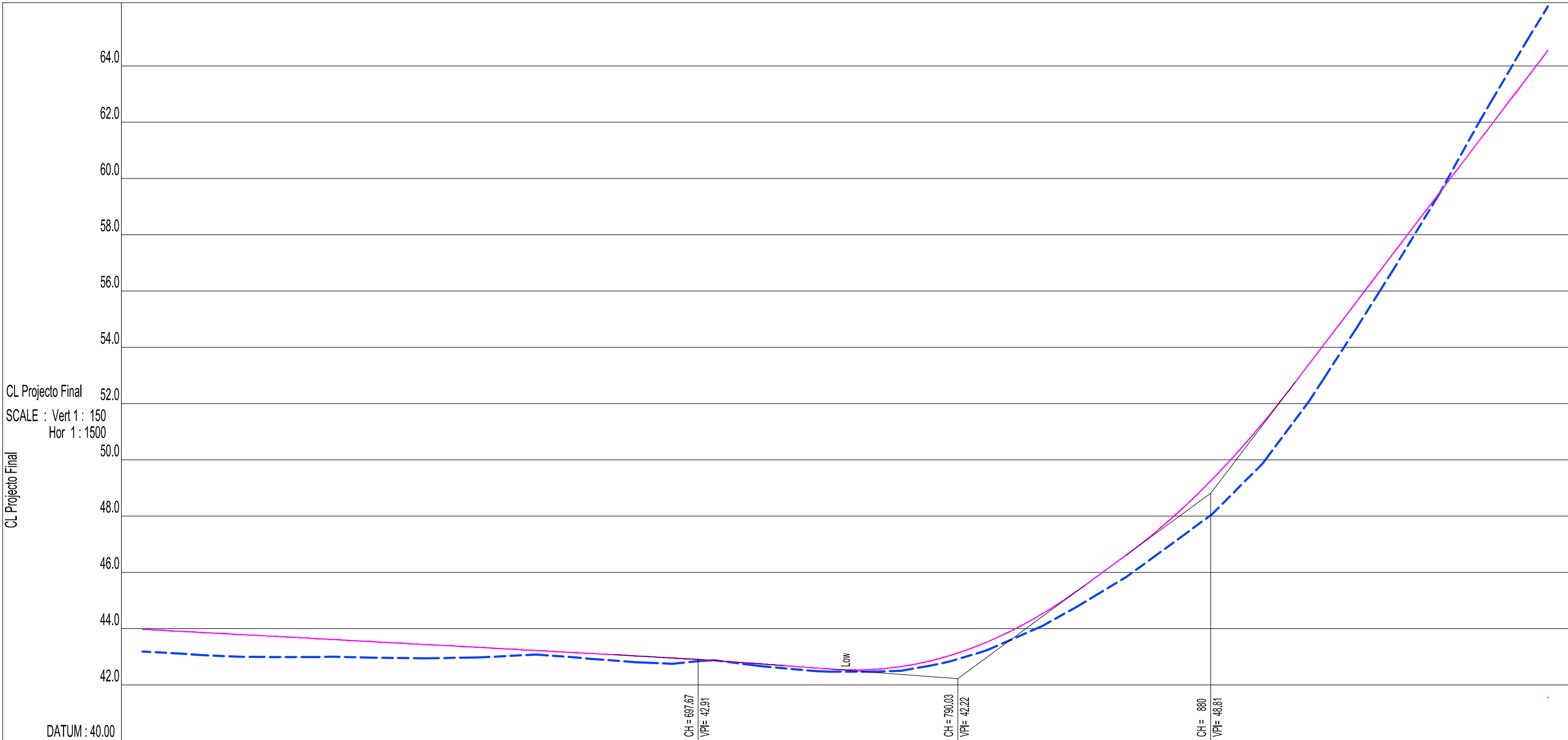
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DATA
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PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PG-05
PROJECTO No. 907
ASSUNTO: PERFIL LONGITUDINAL
(Km 0+000 a km 0+499.20)
ESCALA: H=1:1500 / V=1:150



Vertical Alignment		V-cl K-val																667.67	60.000 293.549		727.67	745.03		90.000 11.153		835.03	850		60.000 10.362		910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													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MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216688
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpmb@tdm.co.mz

QUEILIMANE
RUA HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
FAX +258 24 215784
EMAIL: teckim@tdm.co.mz

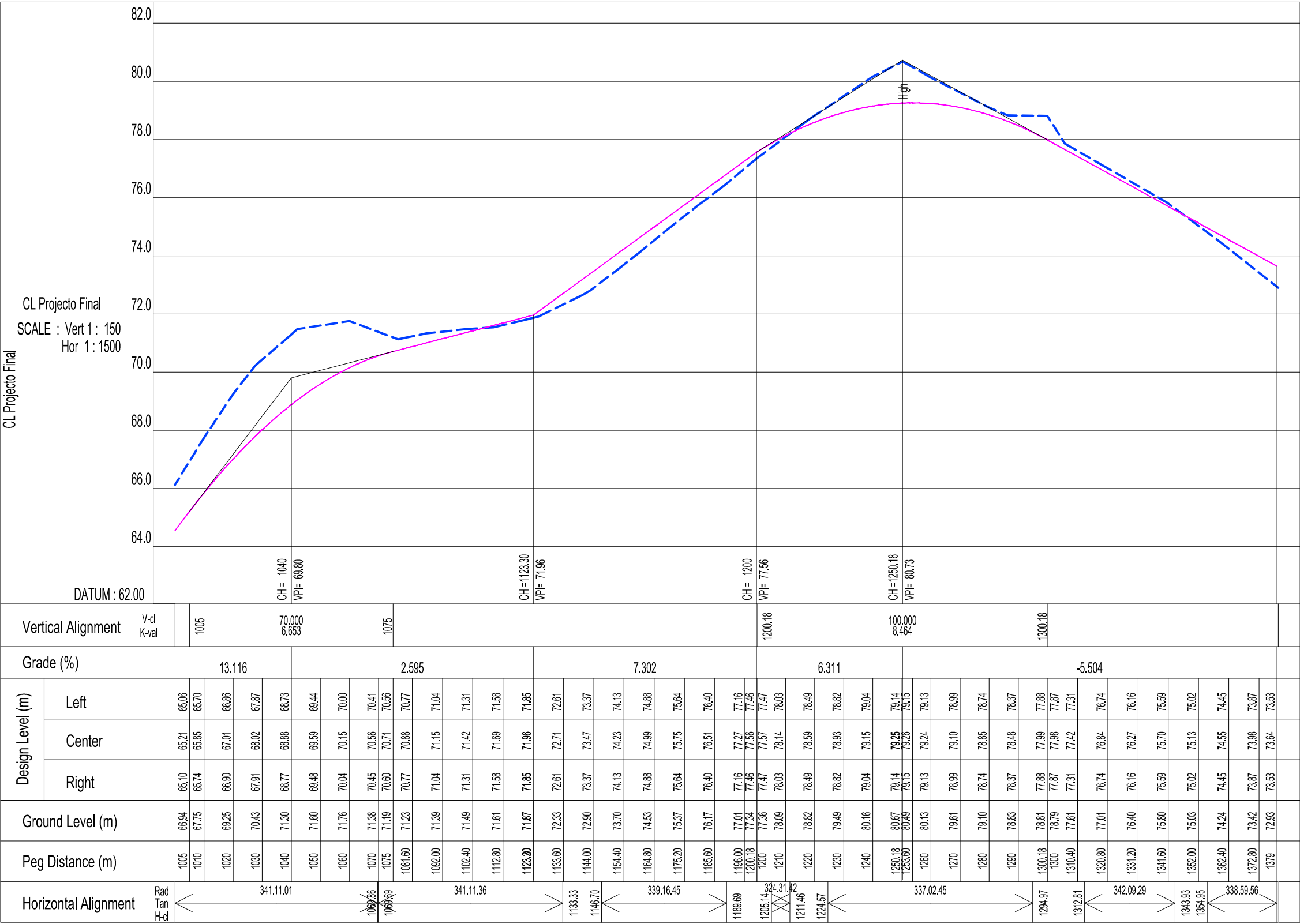
REV	DATA	DESIGNAÇÃO

DATA
PROJECTADO W. Monteiro
DESENHADO R. Pereira
CALCULADO W. Monteiro
APROVADO K. Deus

CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

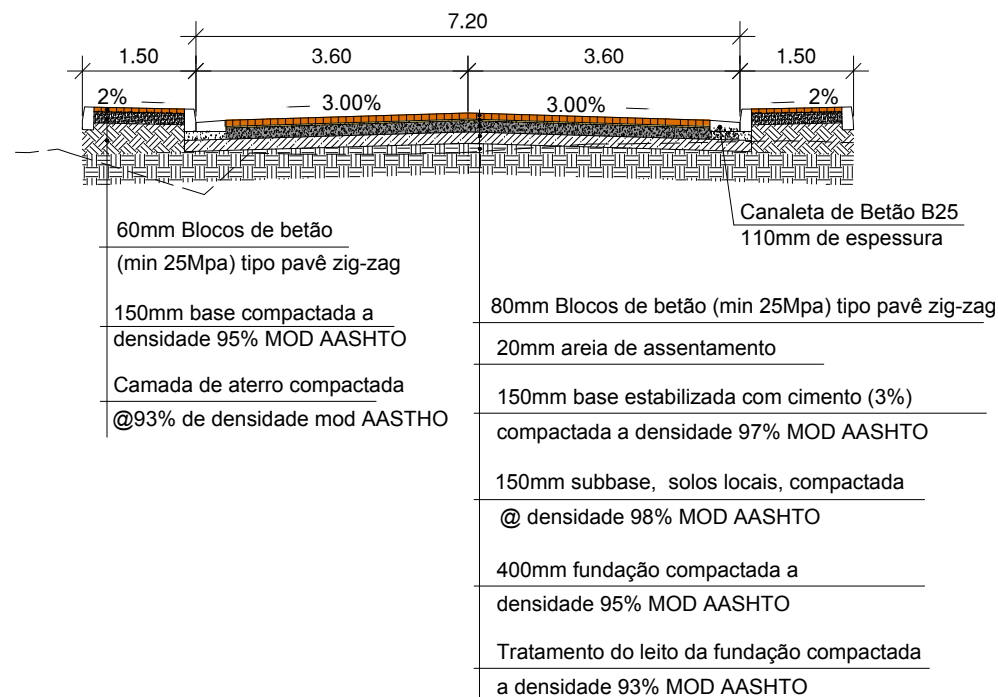
DESENHO No. PG-06
PROJECTO No. 907
ASSUNTO: PERFIL LONGITUDINAL
(Km 0+509.60 a km 0+998.40)
ESCALA: H=1:1500 / V=1:150



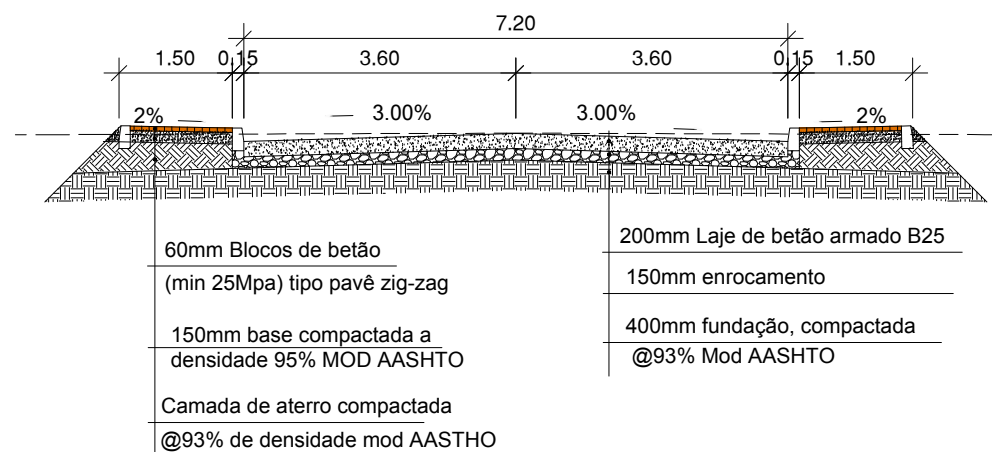
LEGENDA:

--- Terreno Natural

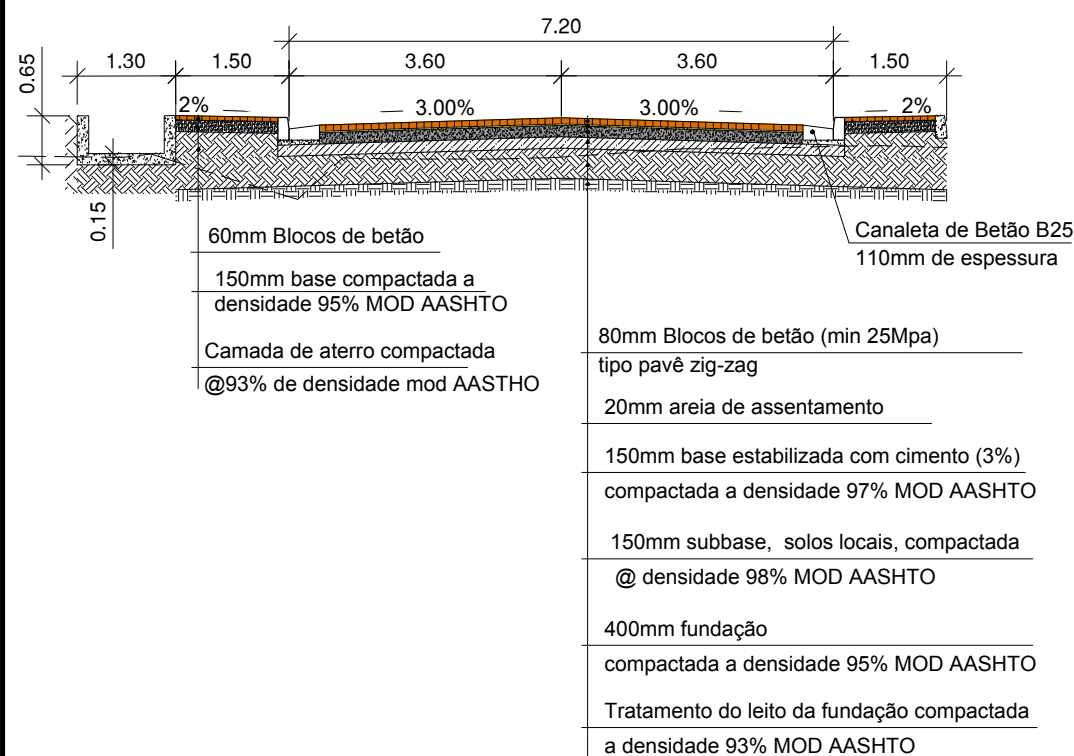
— Rasante



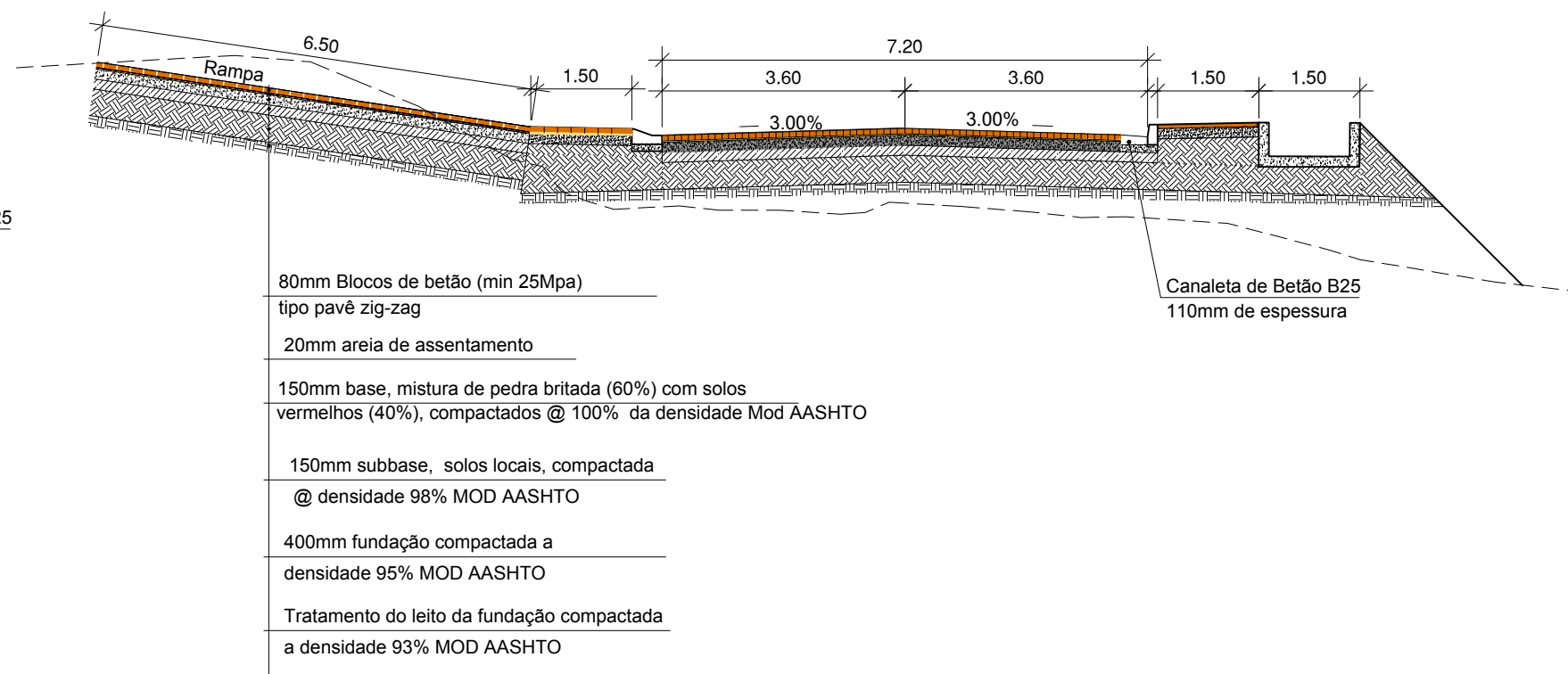
ESTRUTURA DO PAVIMENTO GERAL

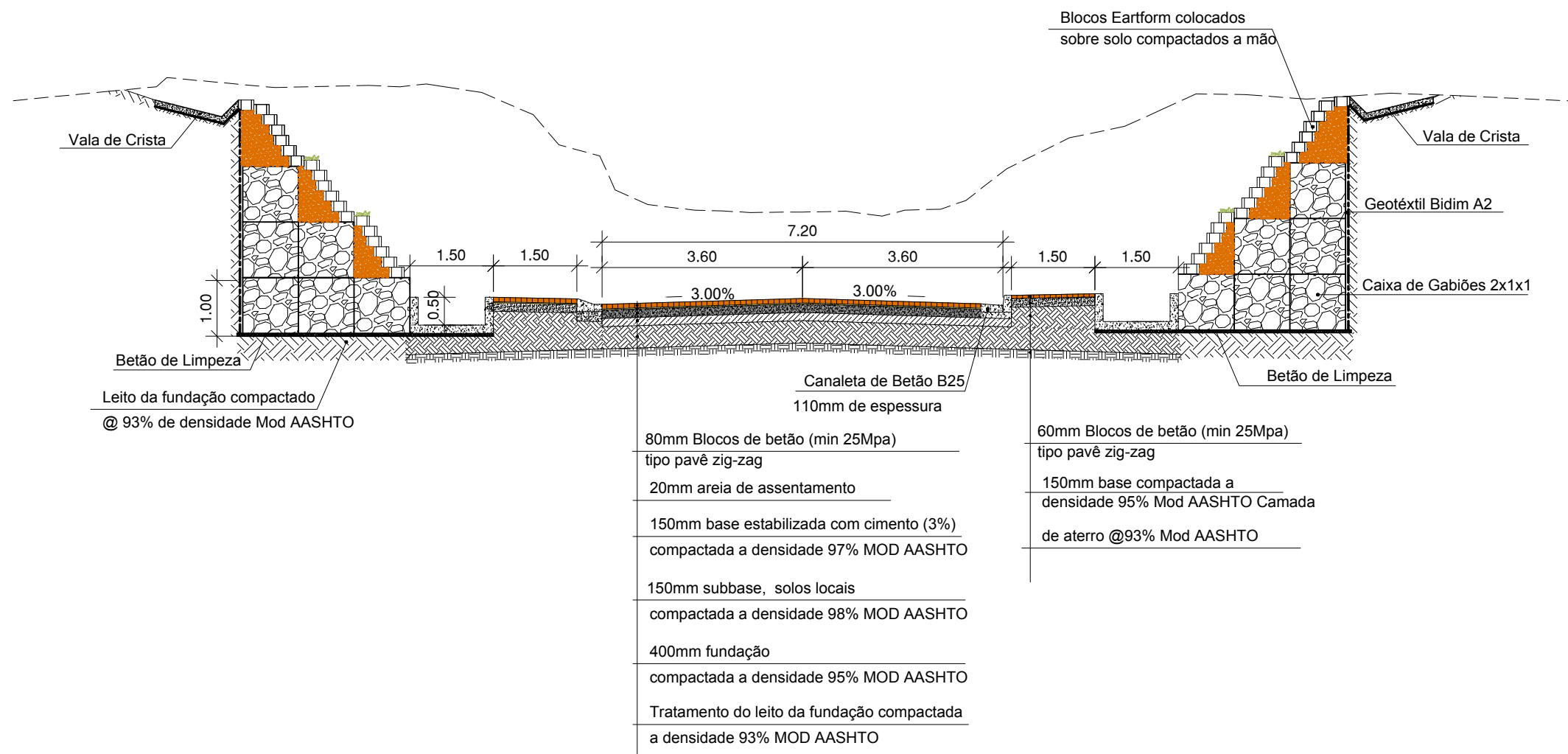


ESTRUTURA DO PAVIMENTO NO CRUZAMENTO COM A EN1 Km 0+000 a Km 0+060



Km 0+060 a Km 0+170





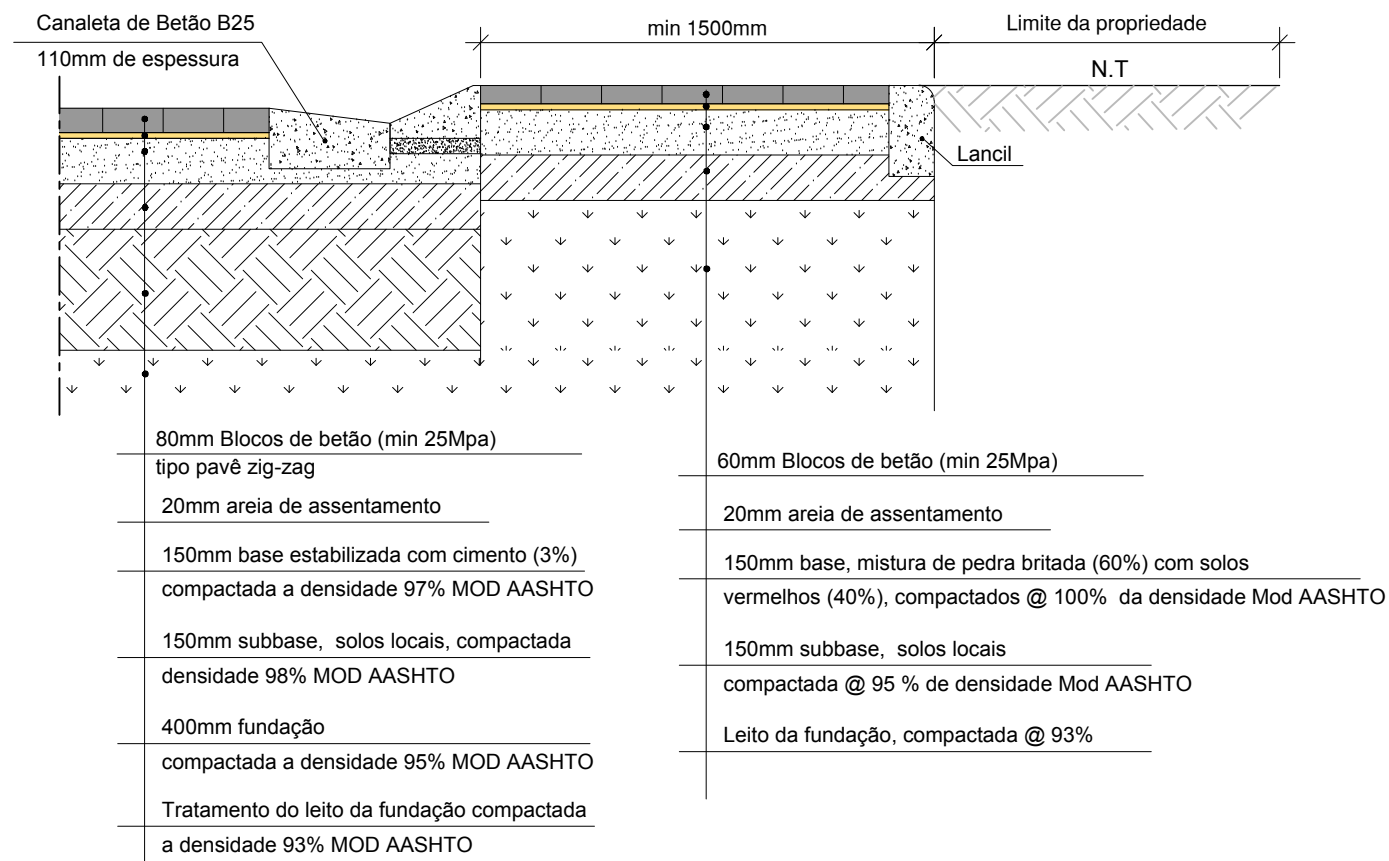
ESTRUTURA DO PAVIMENTO DO Km 0+790 a Km 1+250

Nota:

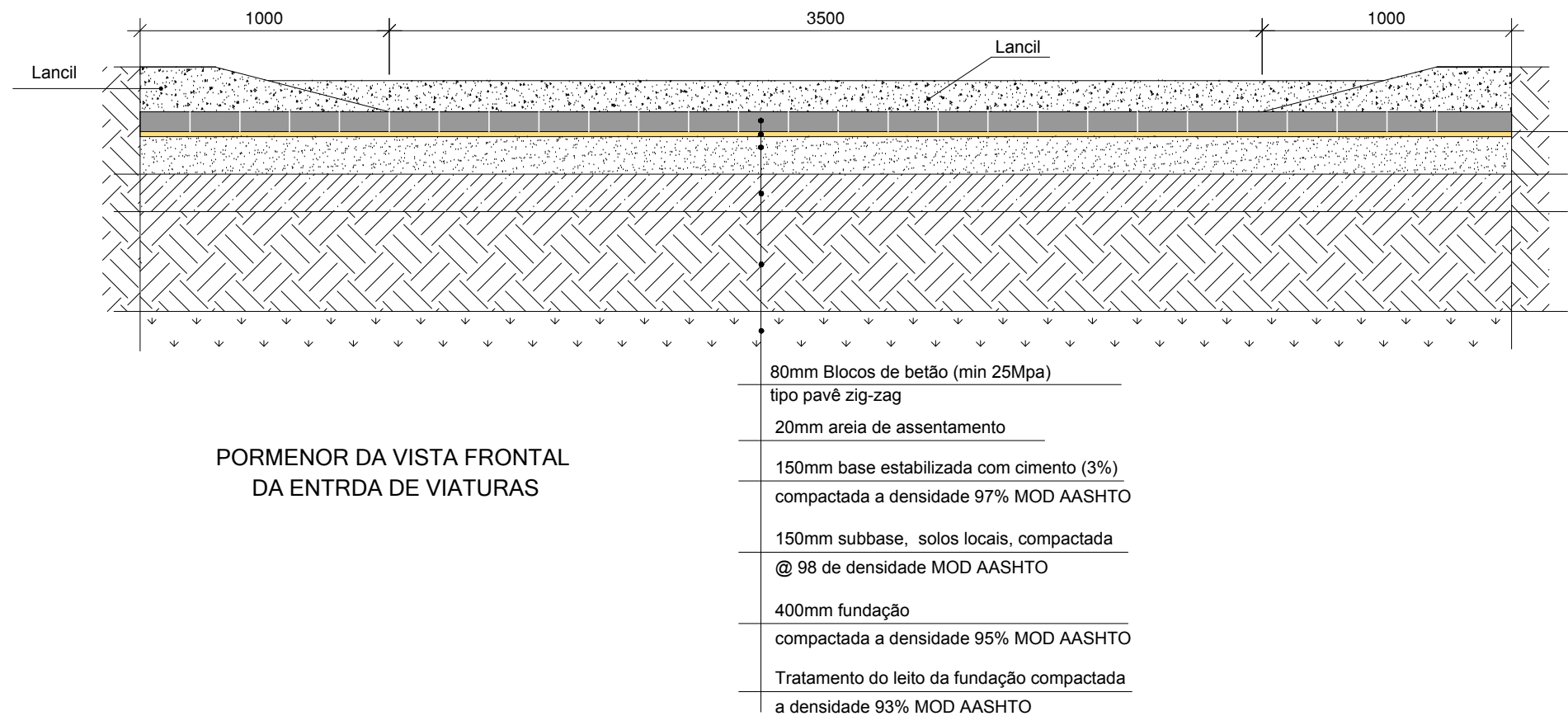
Para as diferentes alturas das secções transversais, ver os Perfis Transversais

A estrutura do pavimento do passeio do lado direito entre 0+790 a 1+250 é idêntica a das faixas de rodagem da mesma secção

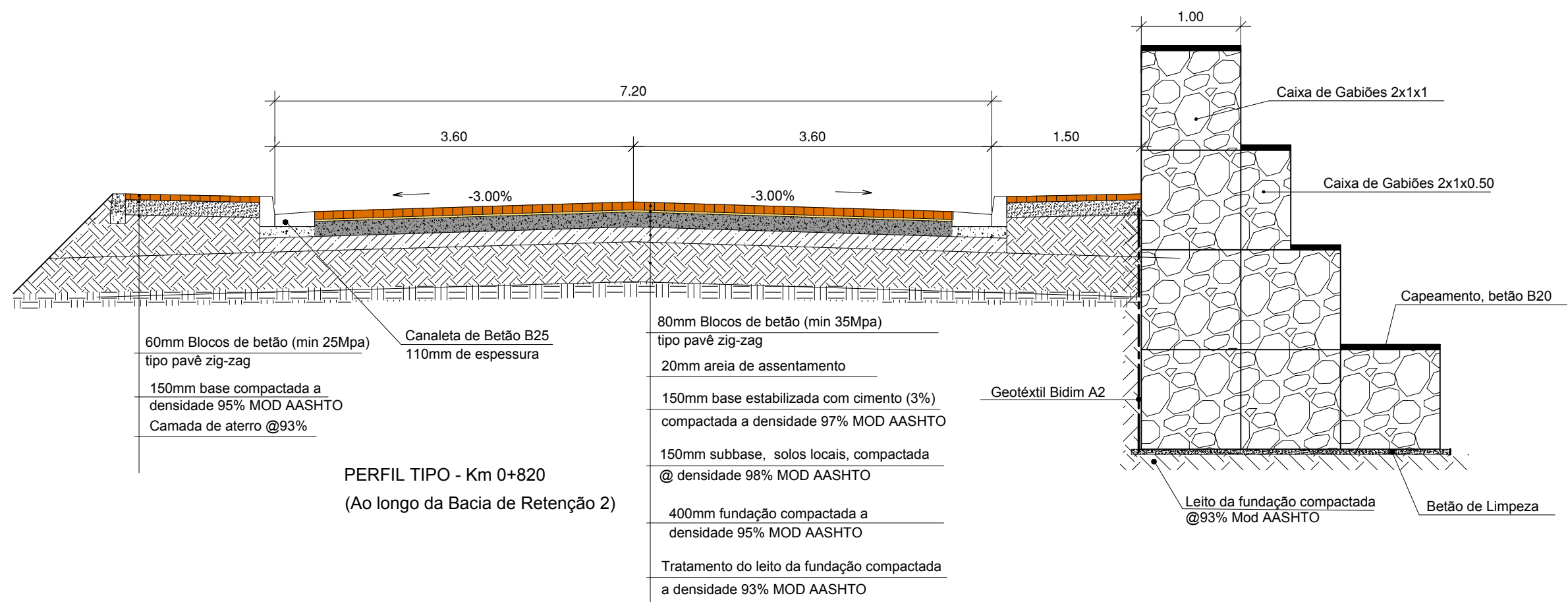
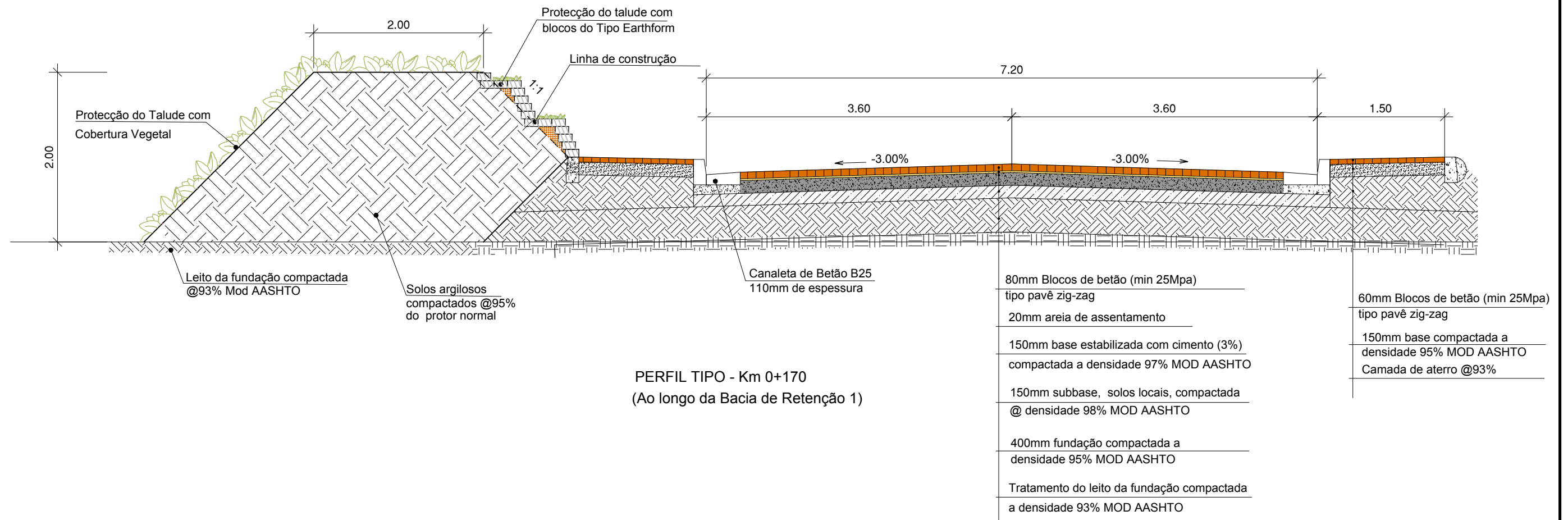
Para a implantação do muros do gabiões ver desenho nº PD-01

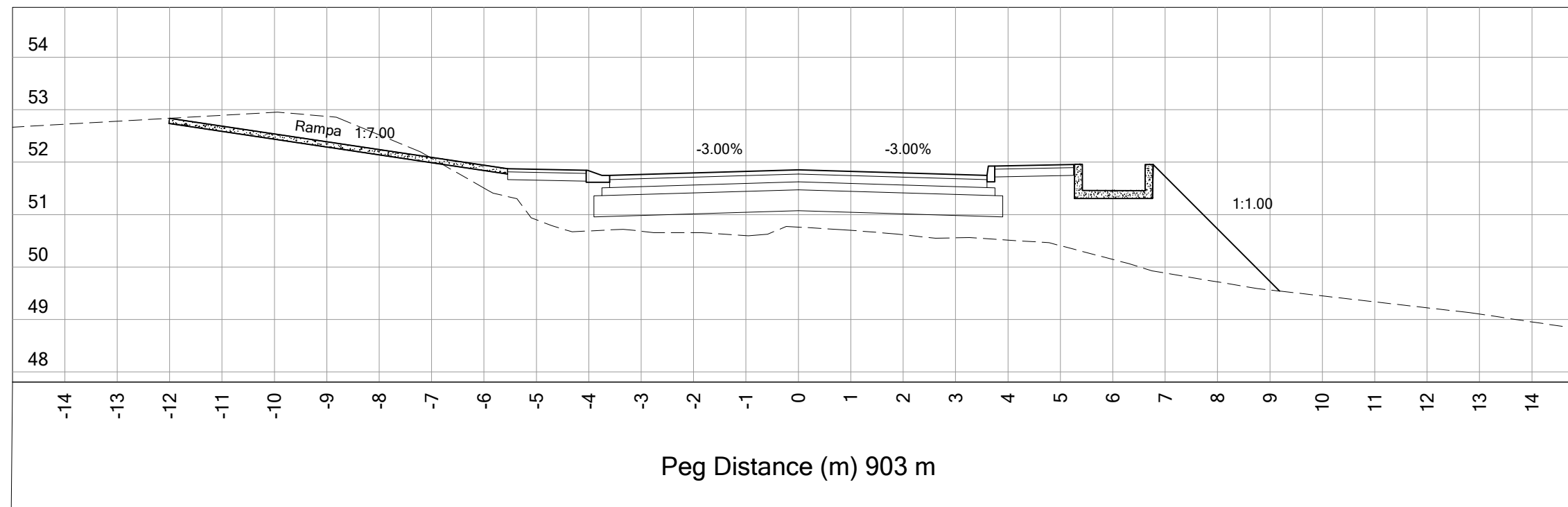
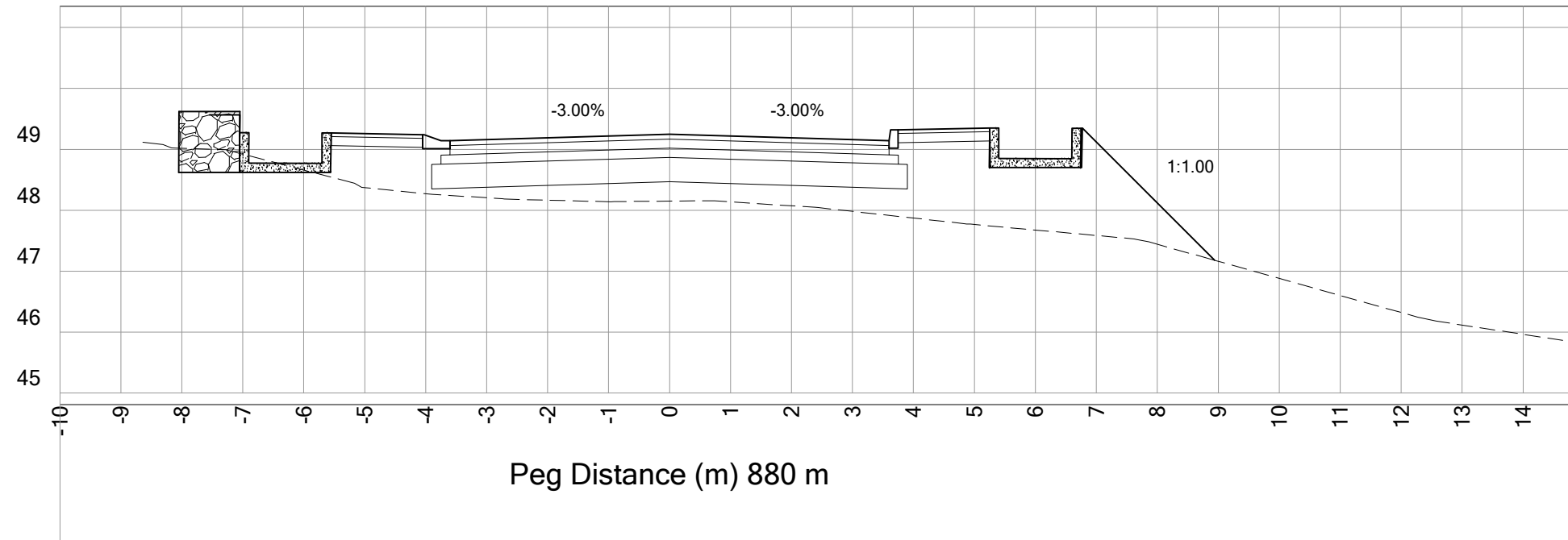


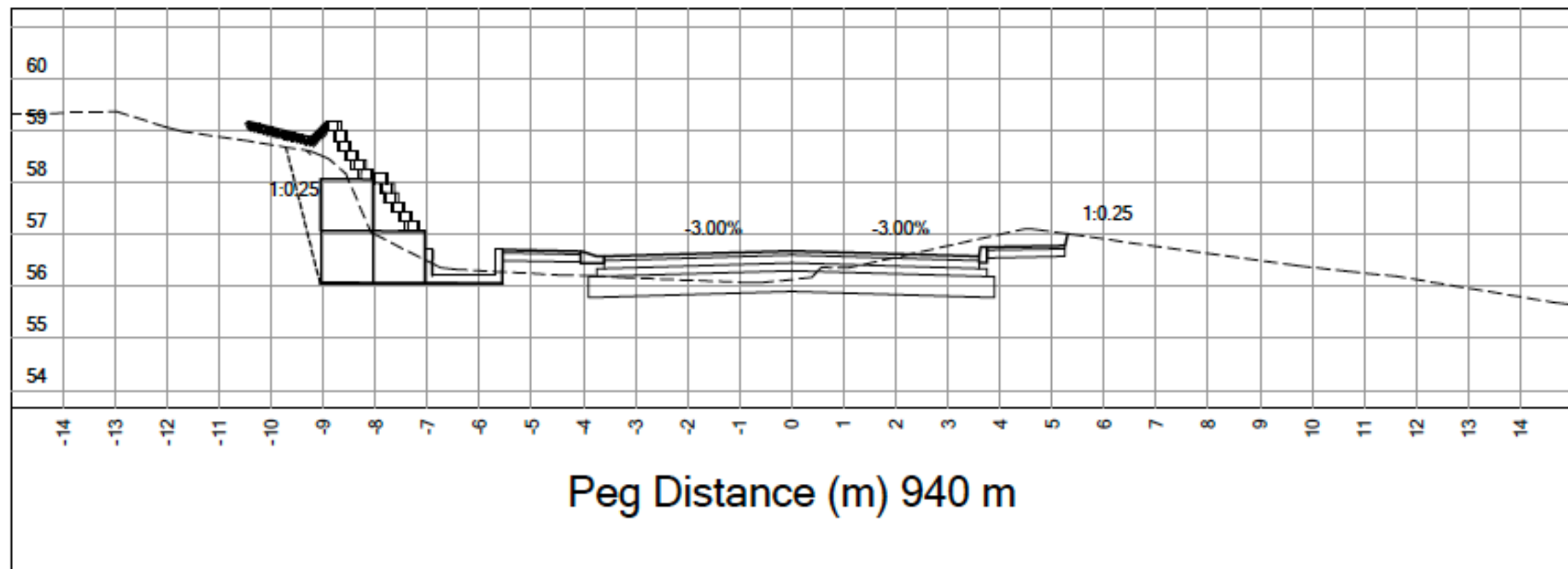
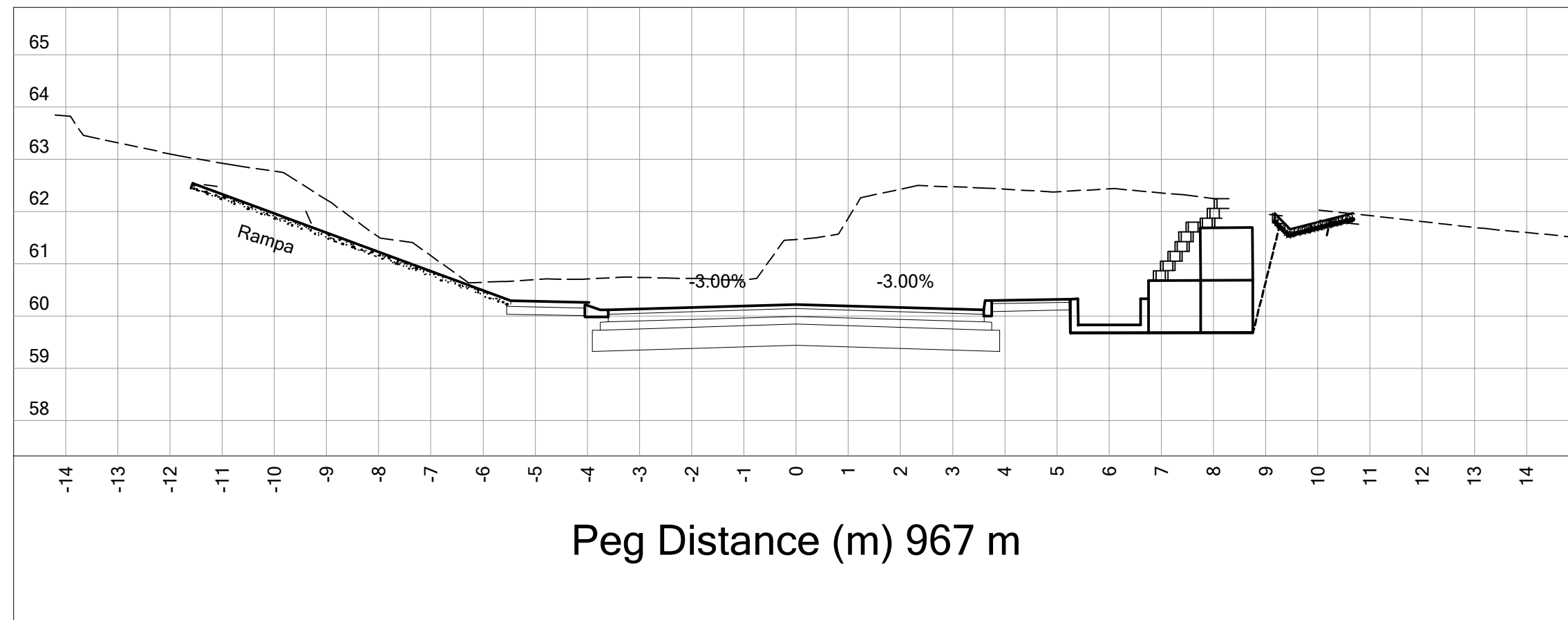
PORMENOR DO PASSEIO E FAIXA DE RODAGEM
NA ZONA DA ENTRADA DE VIATURAS

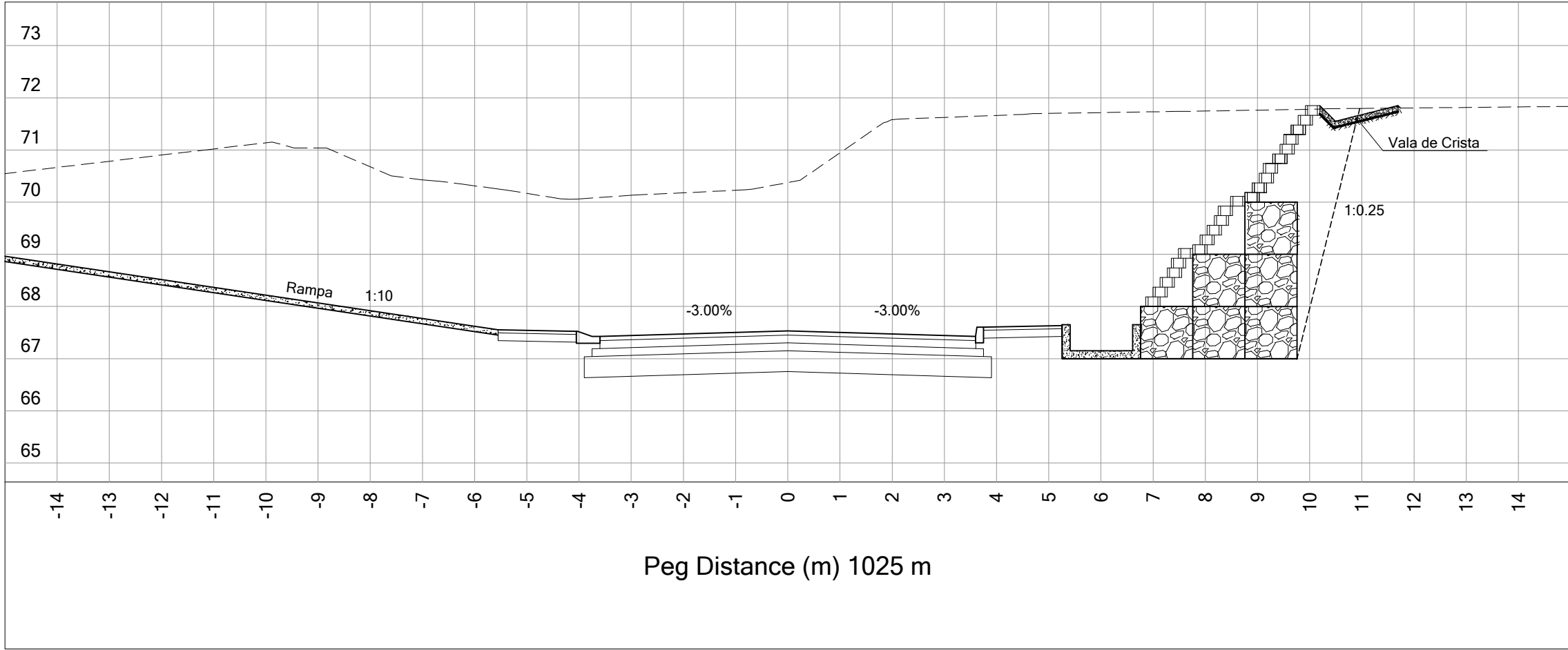
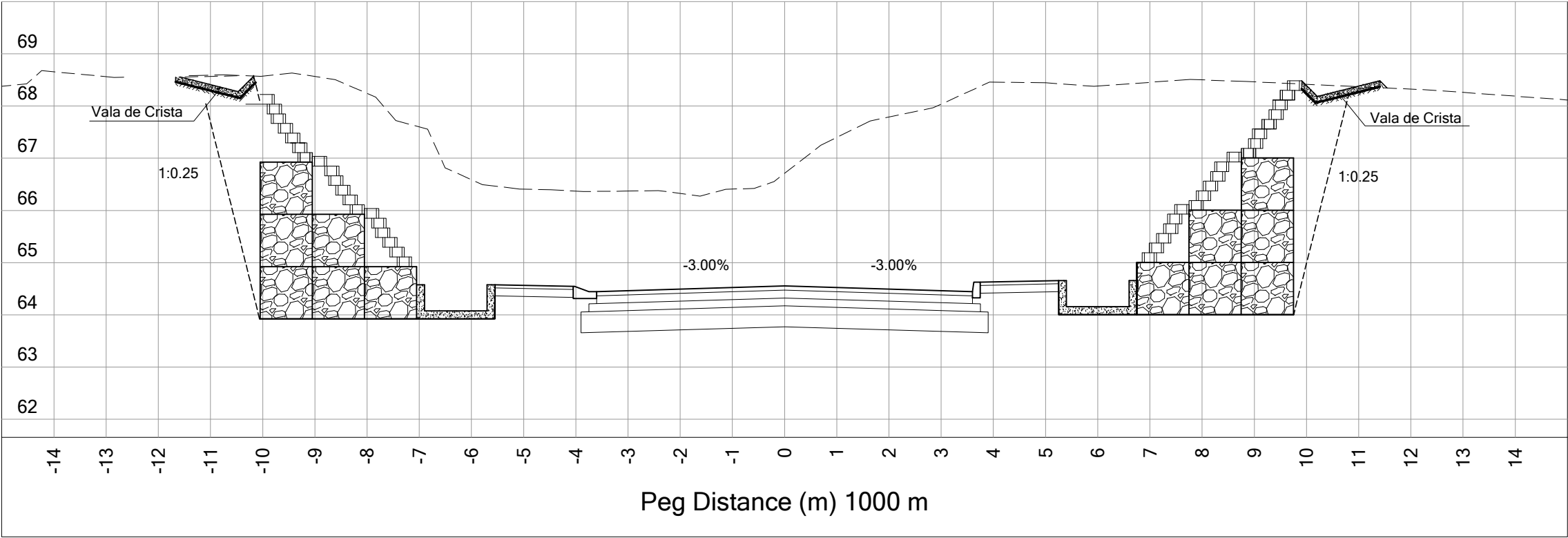


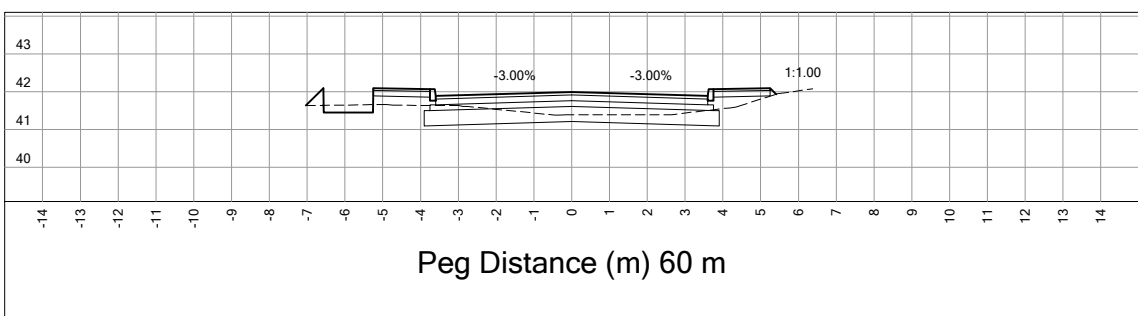
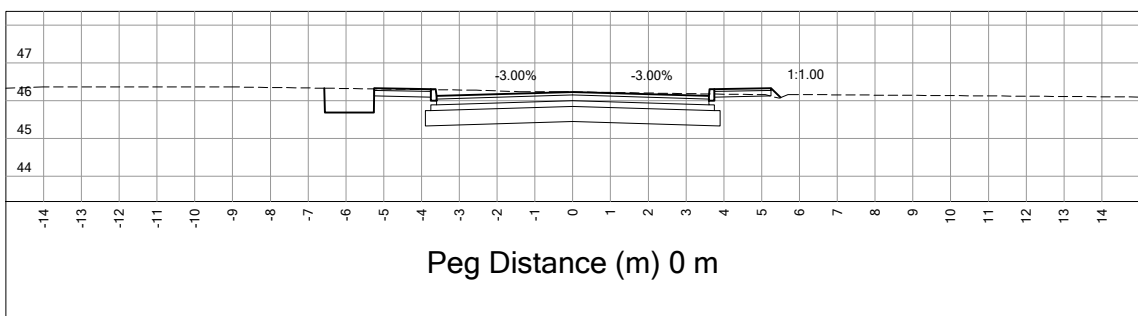
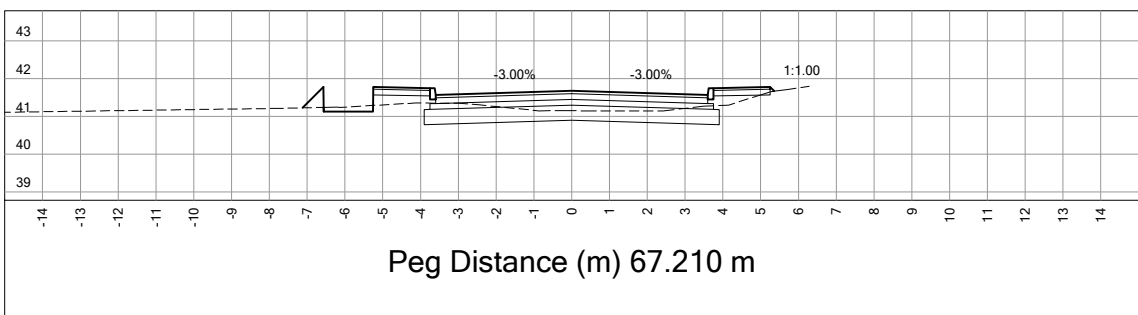
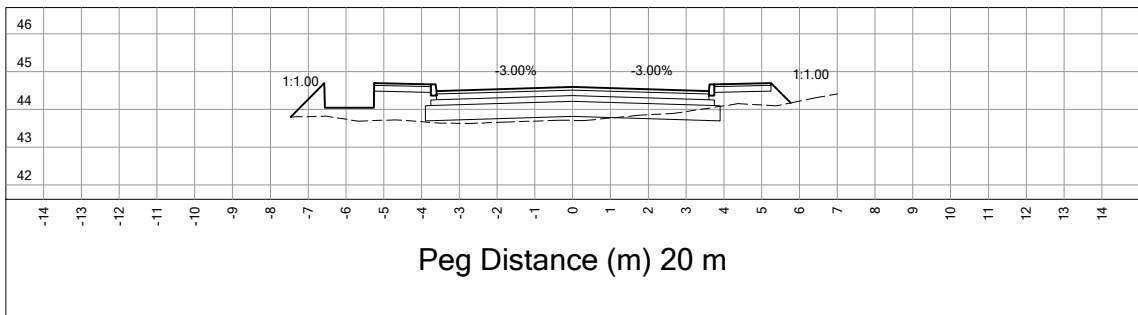
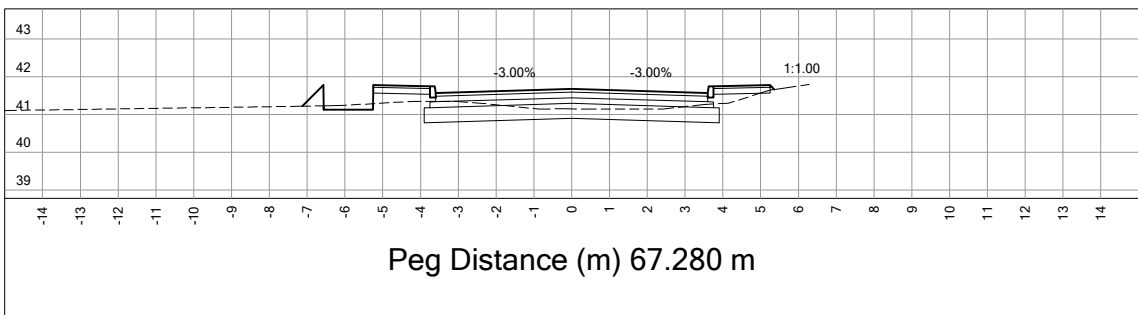
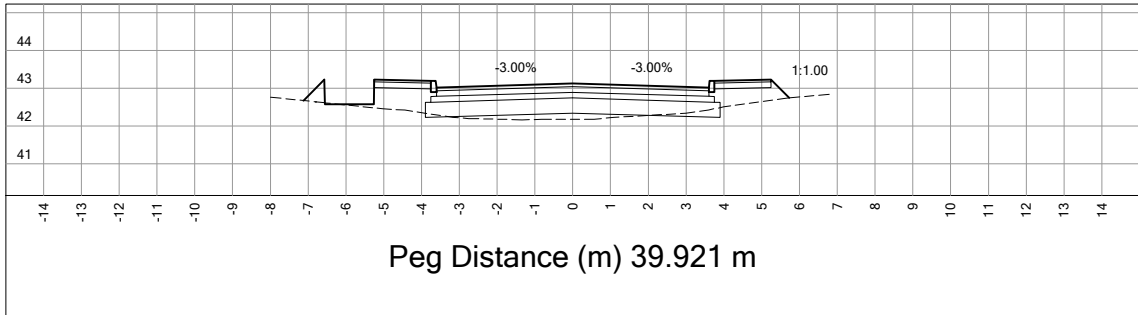
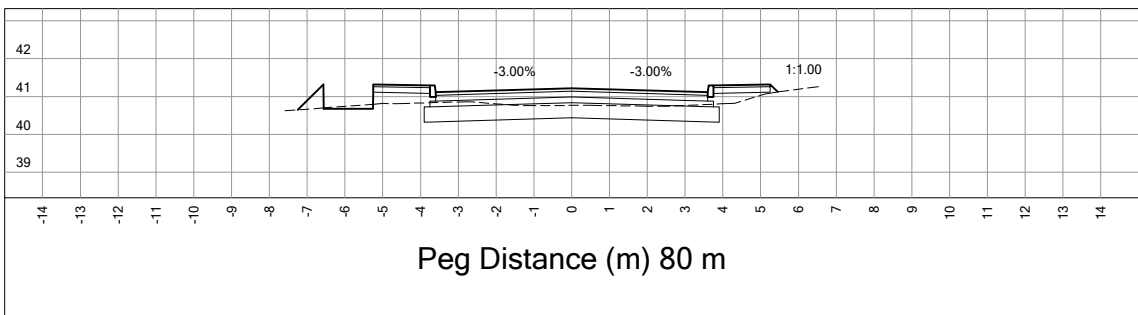
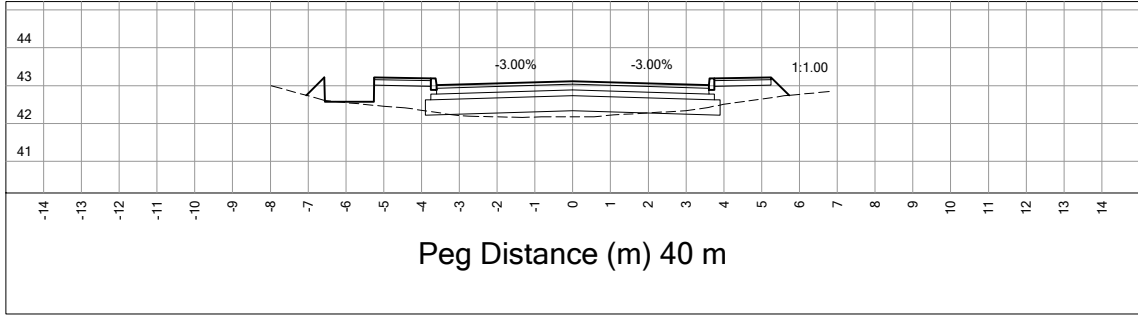
PORMENOR DA VISTA FRONTAL
DA ENTRDA DE VIATURAS

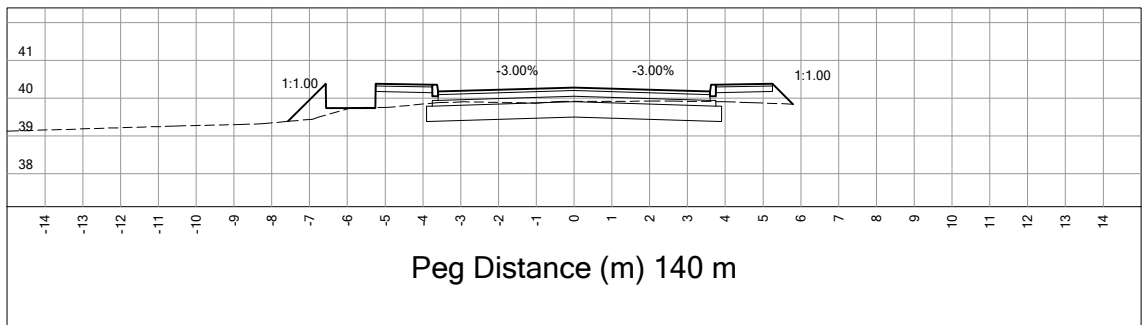
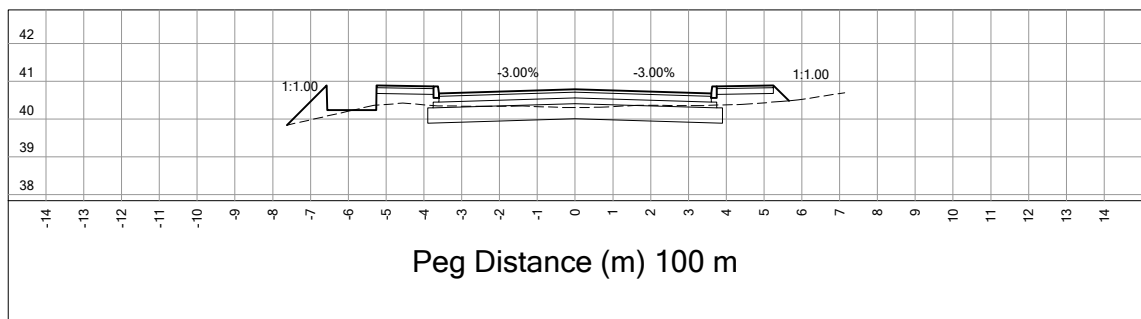
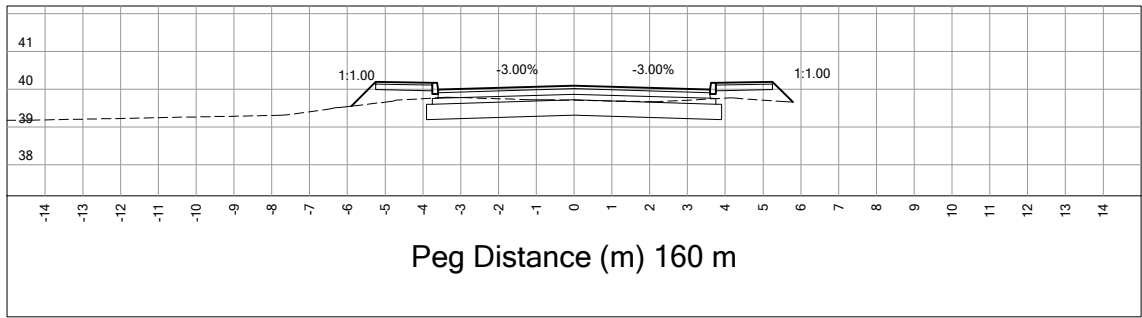
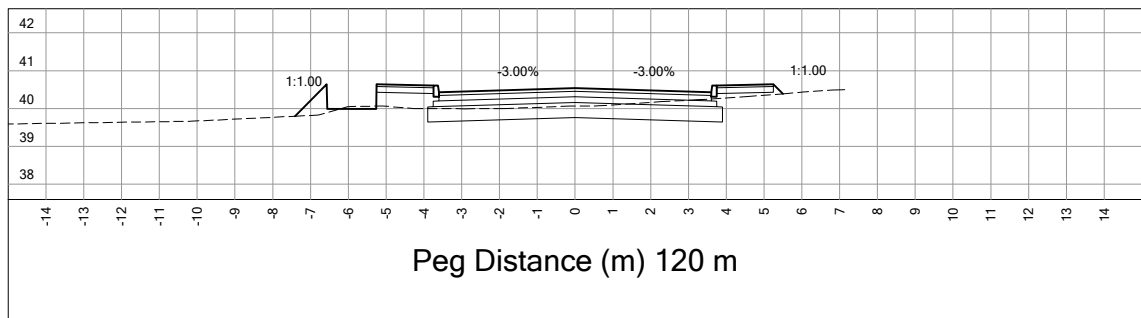
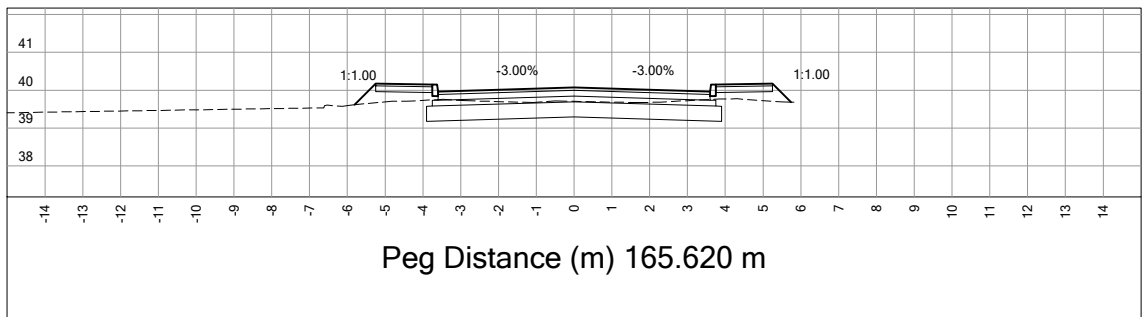
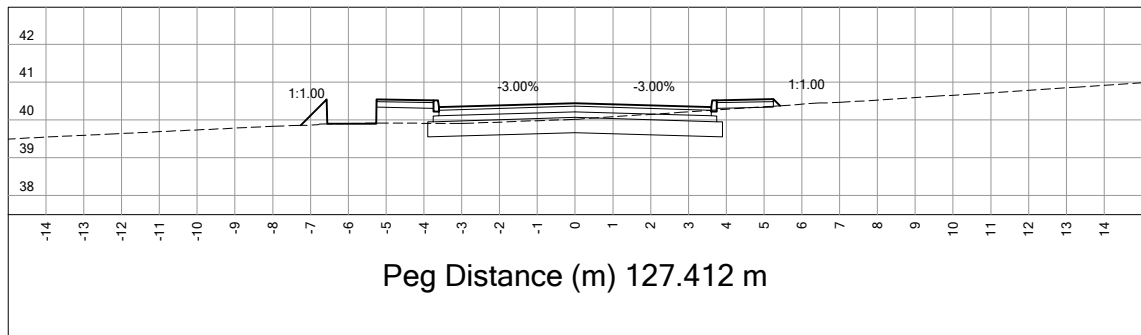
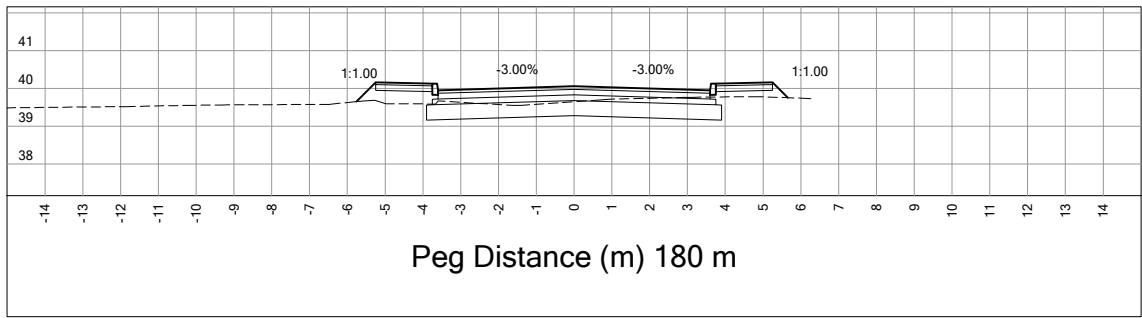
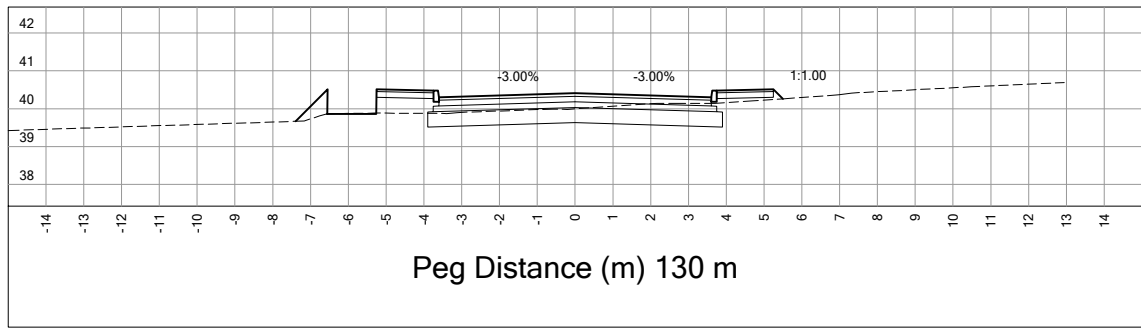


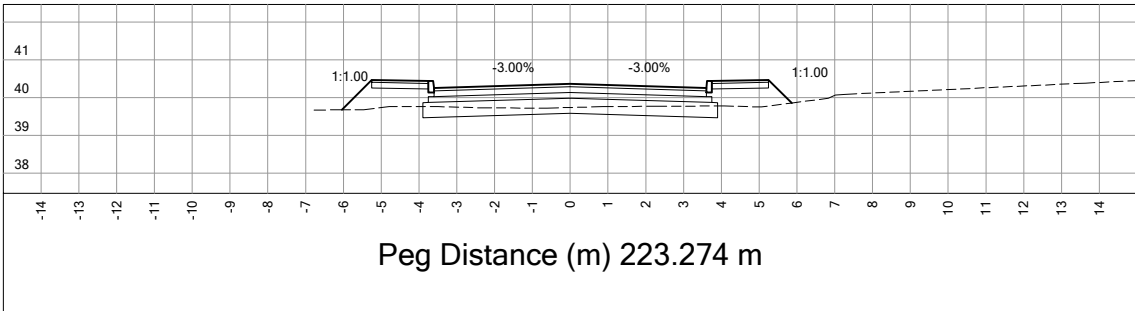
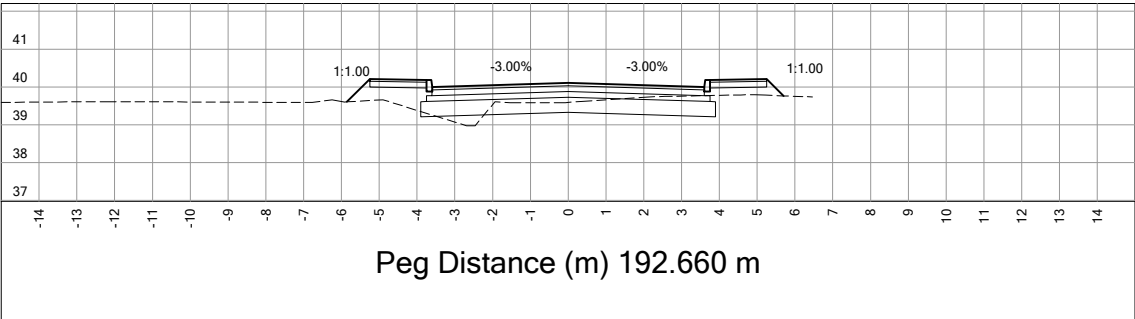
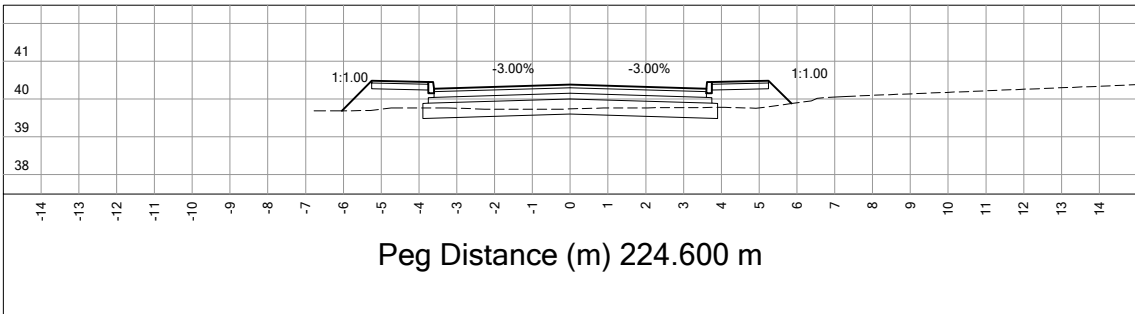
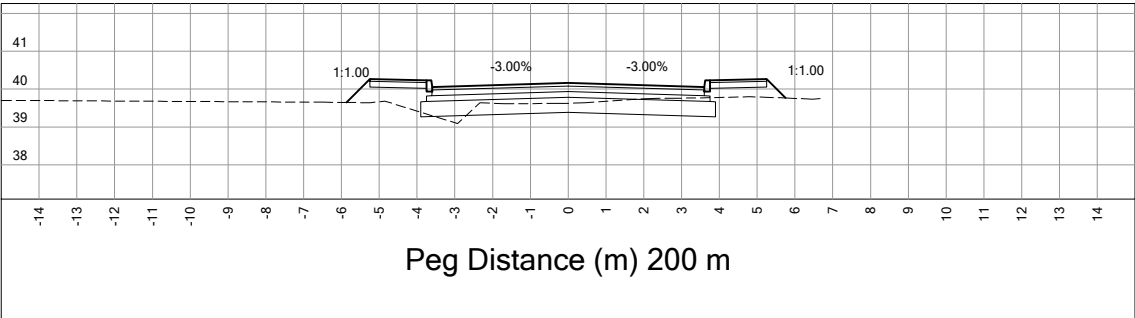
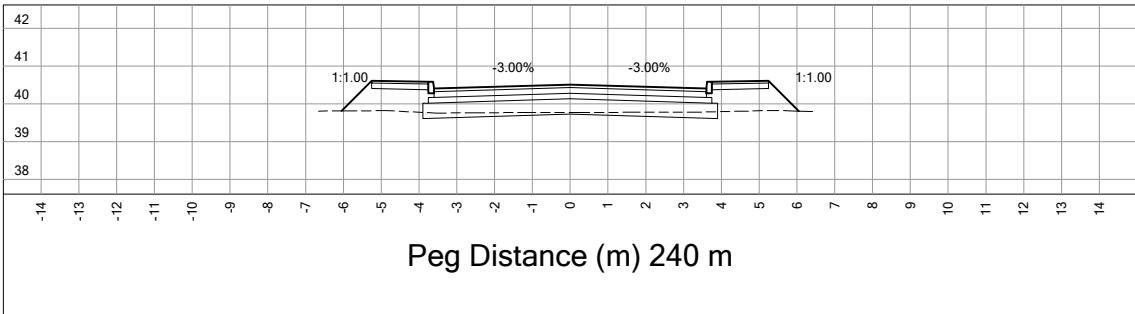
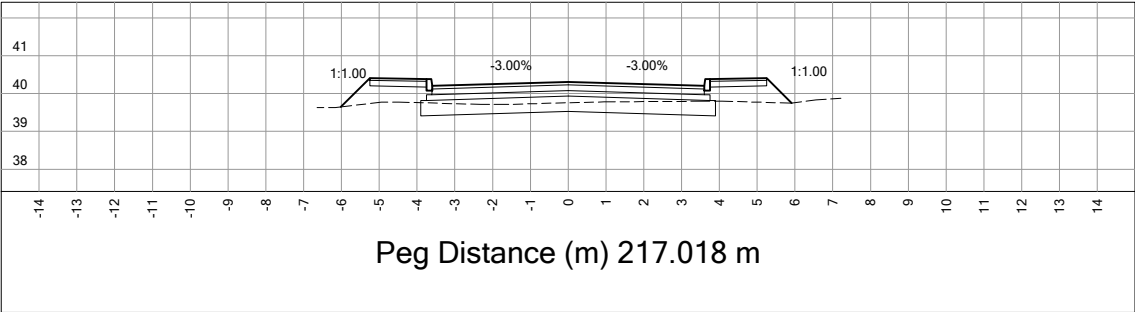
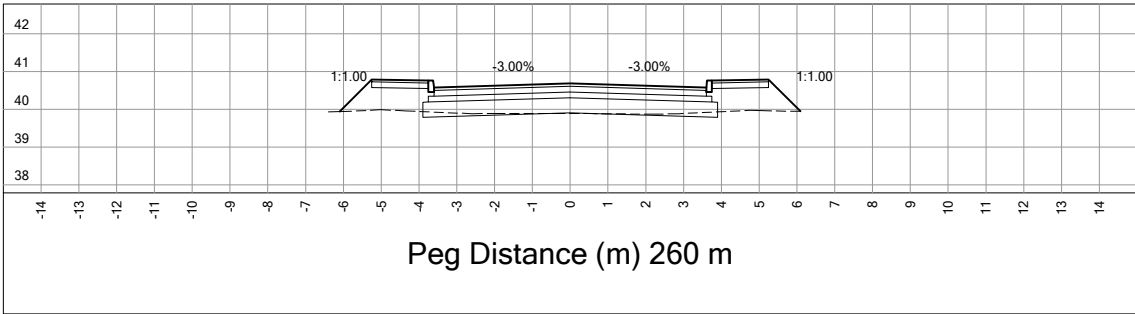
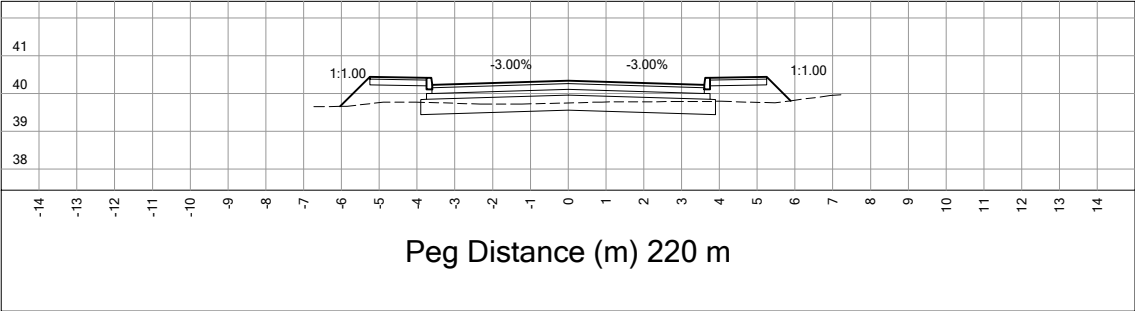


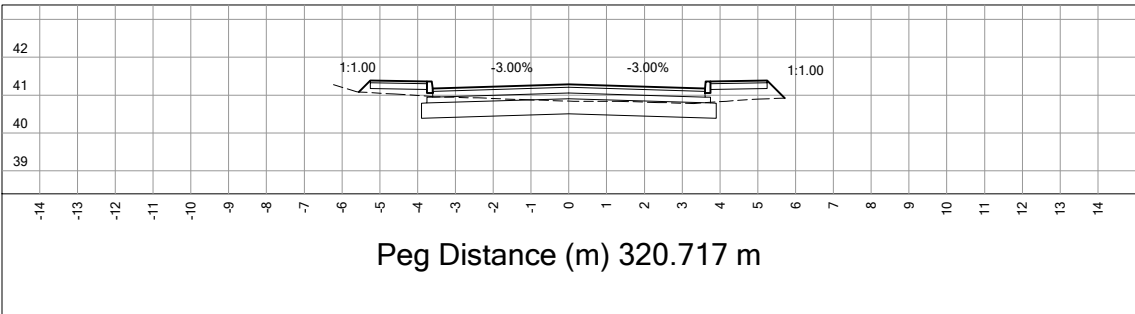
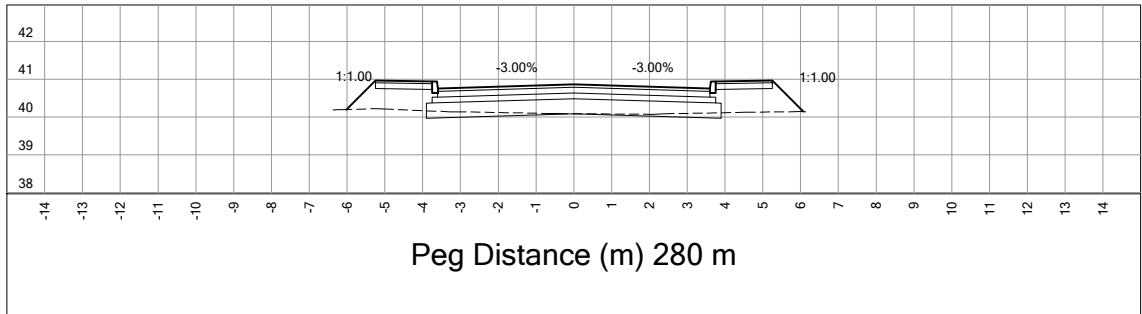
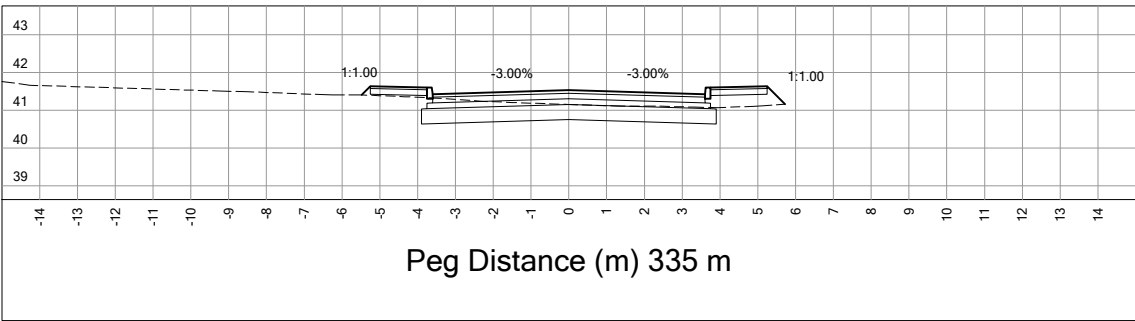
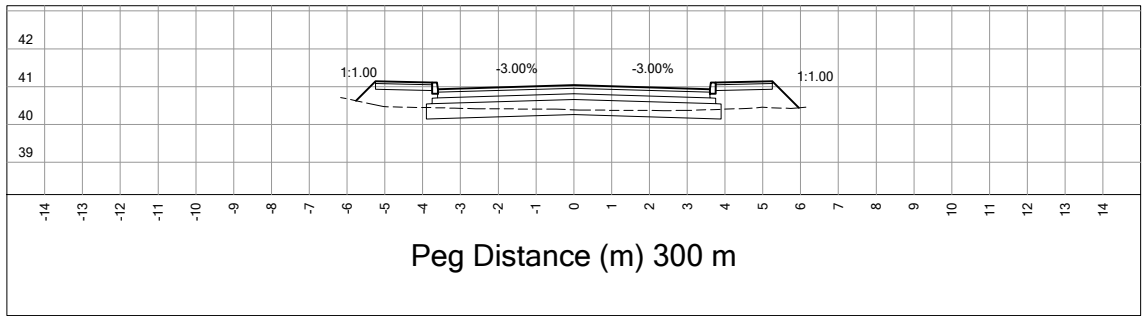
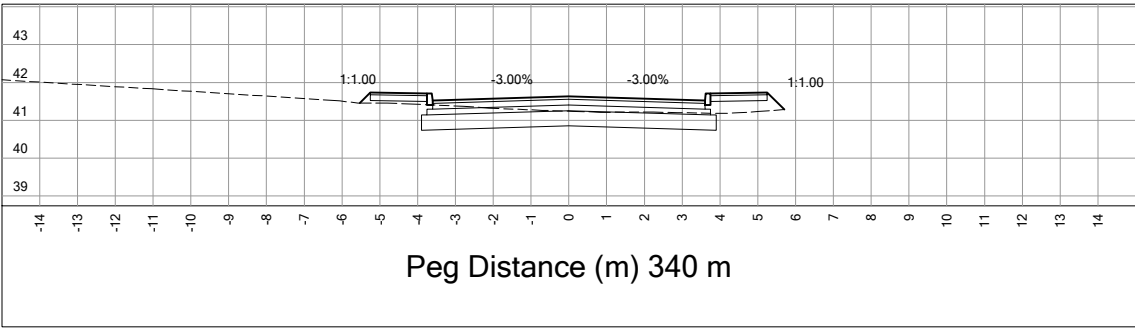
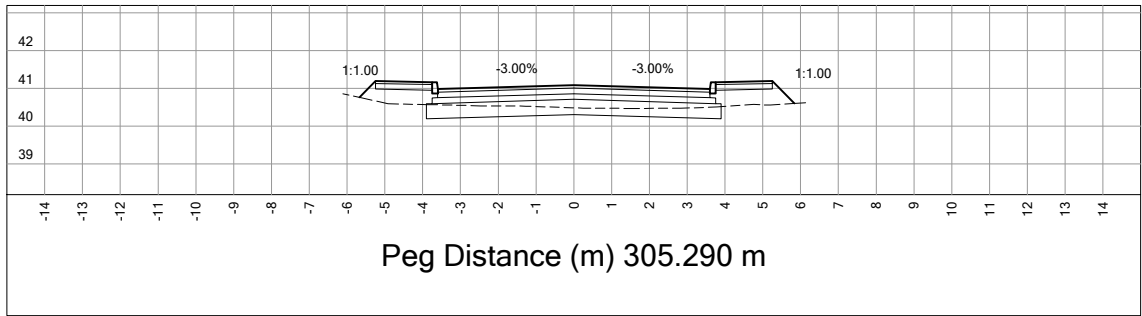
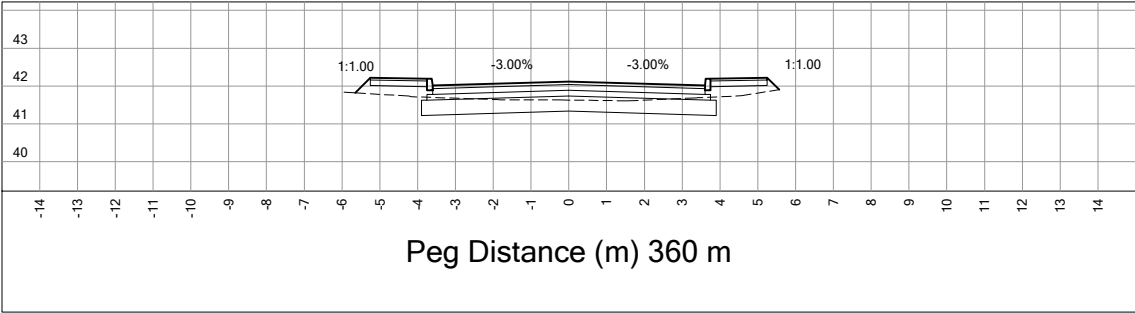
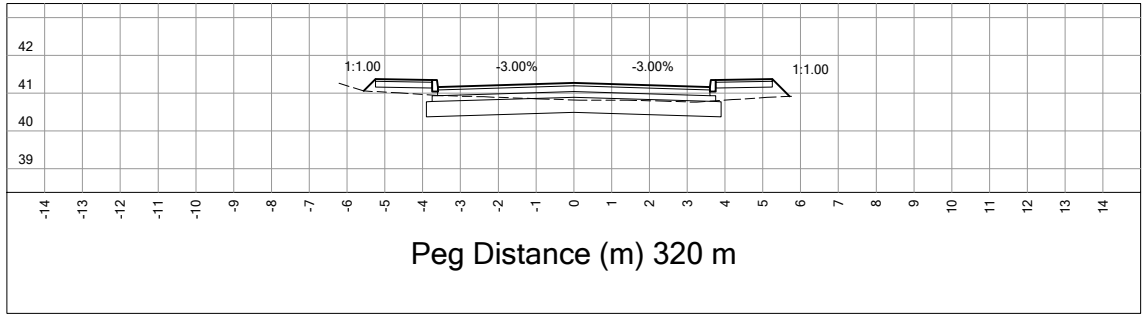


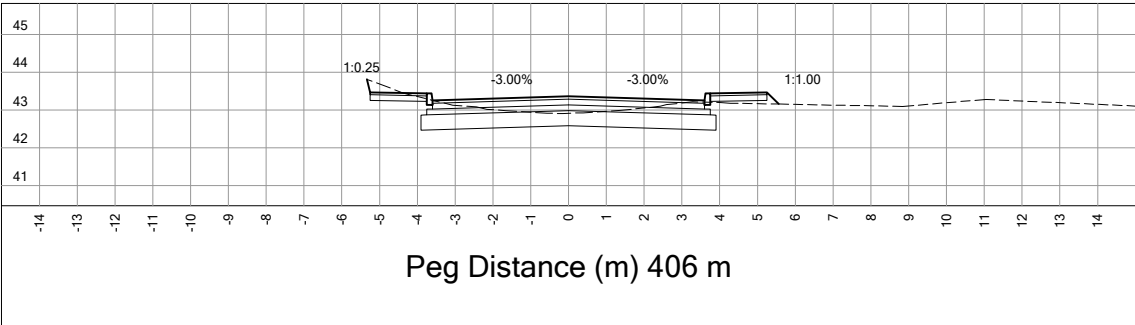
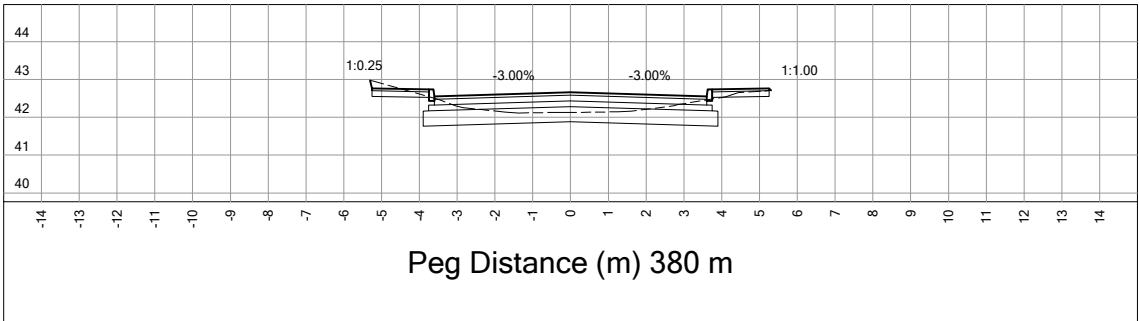
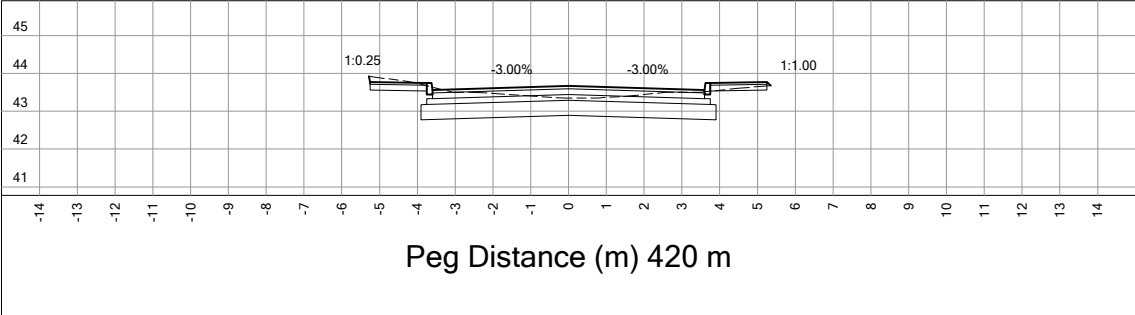
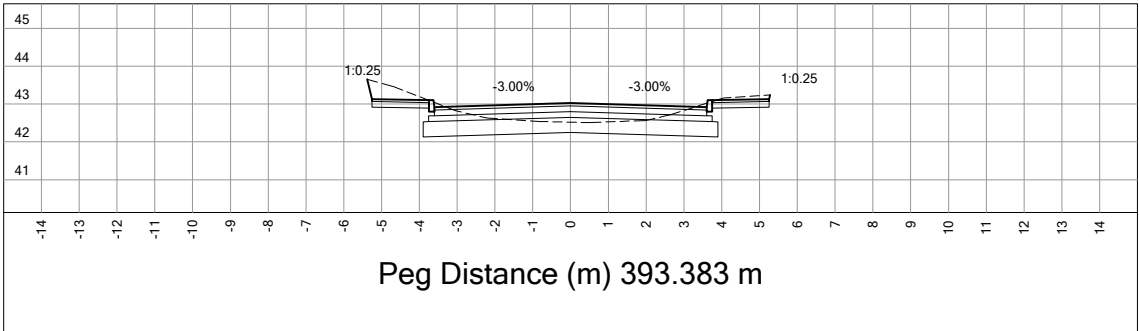
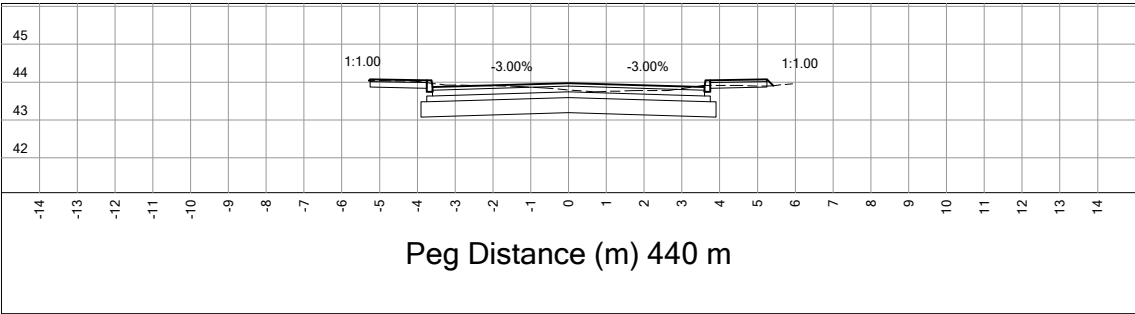
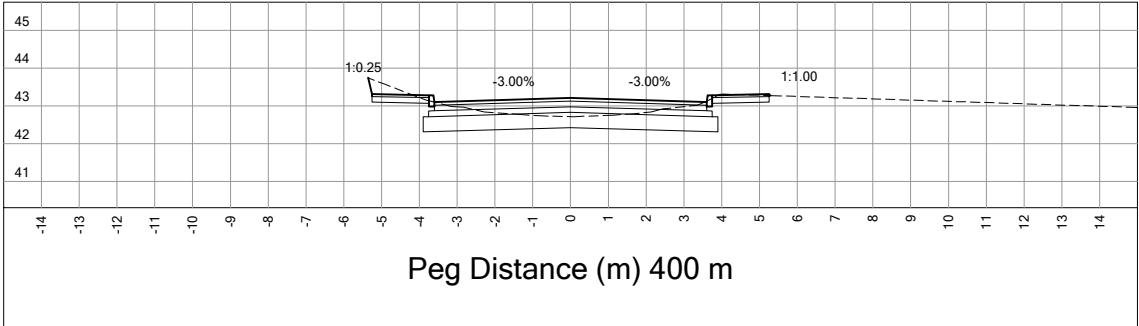
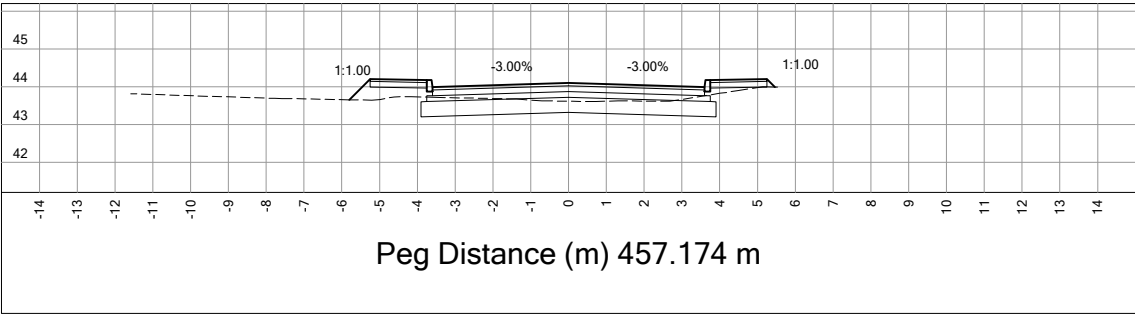
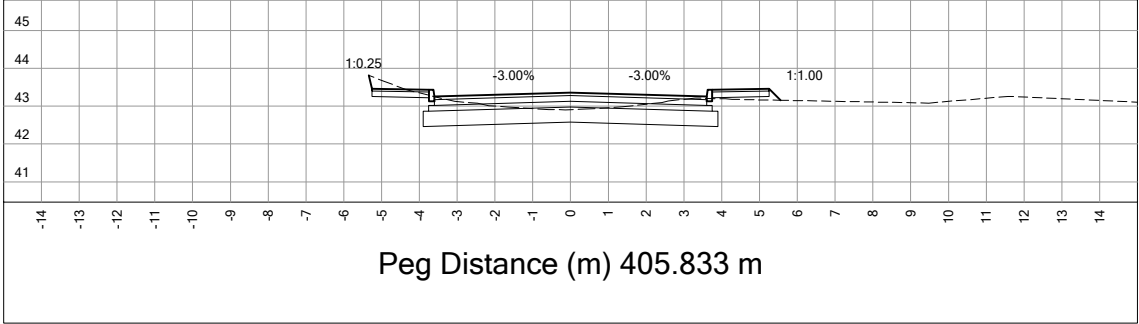


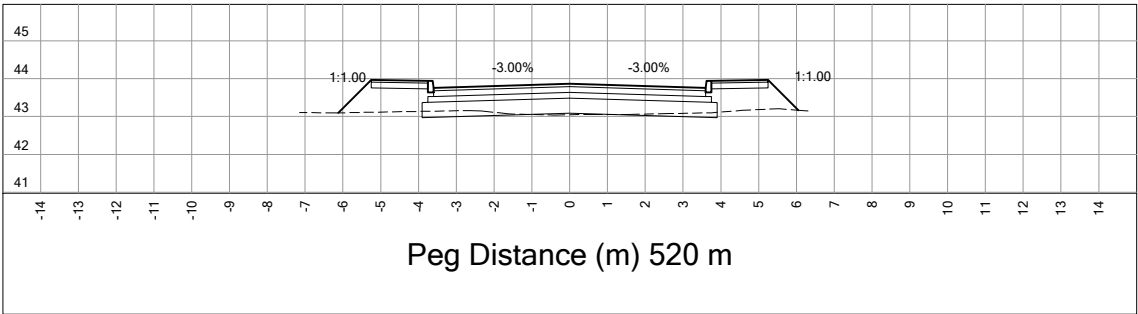
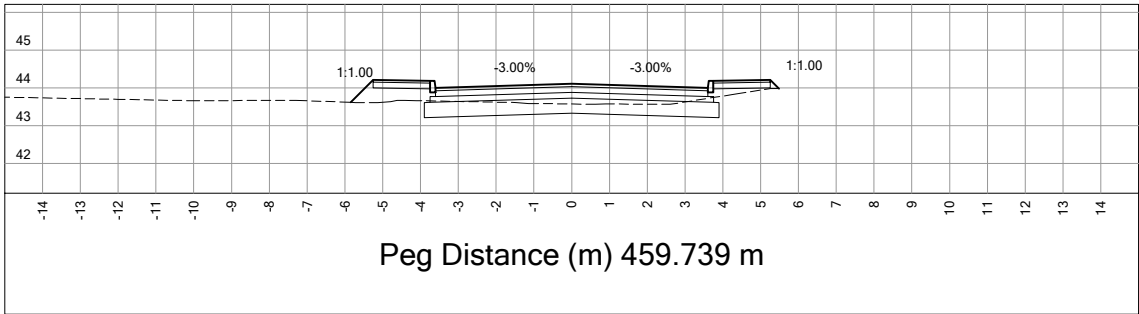
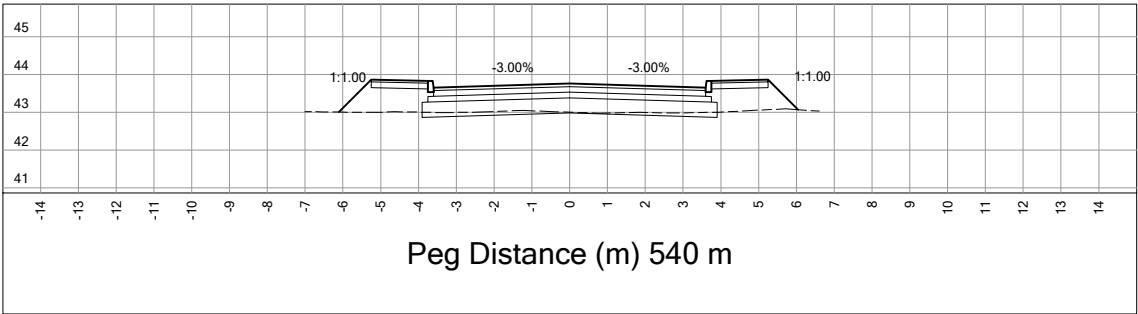
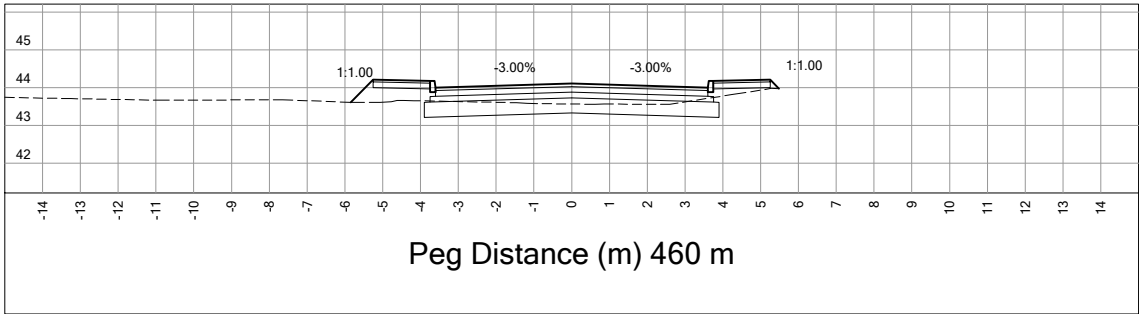
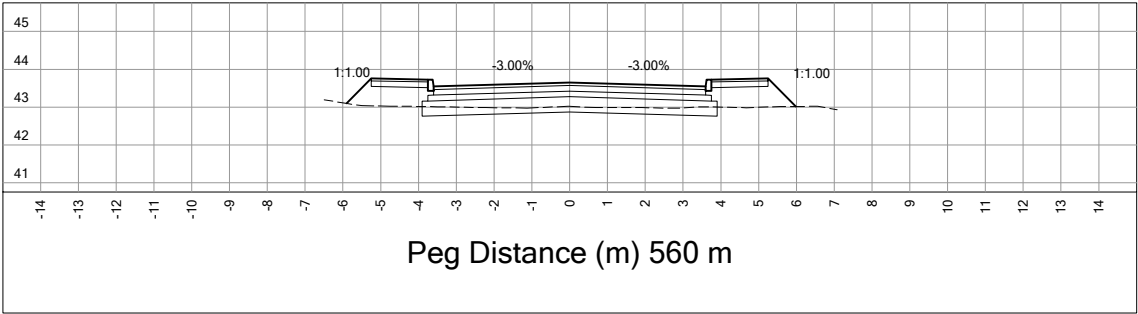
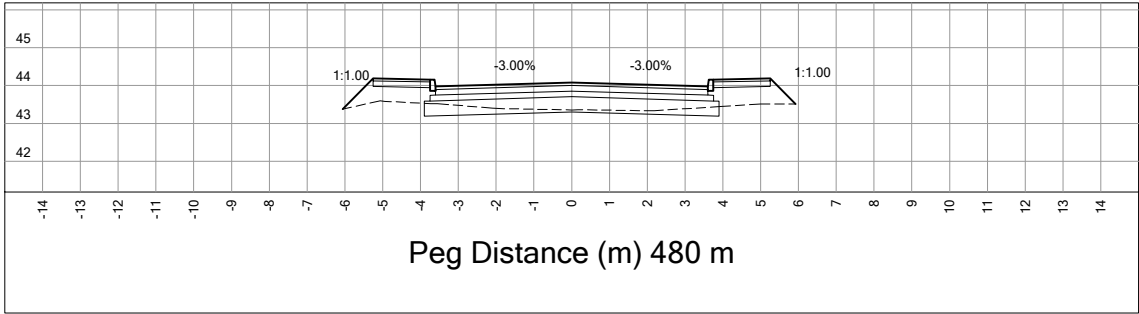
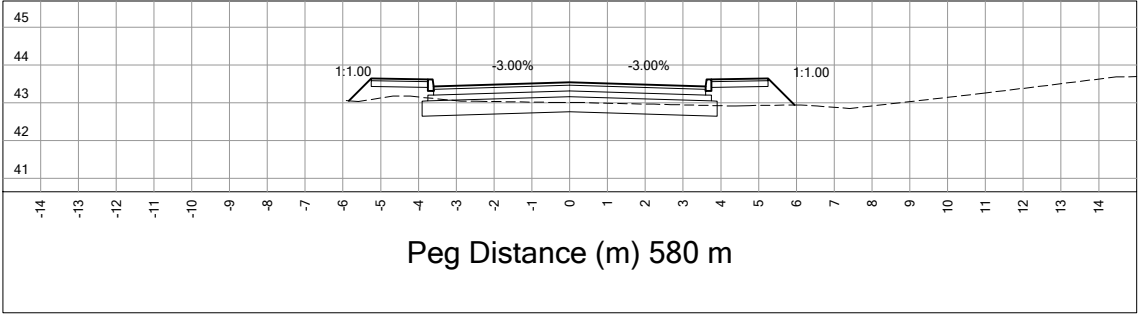
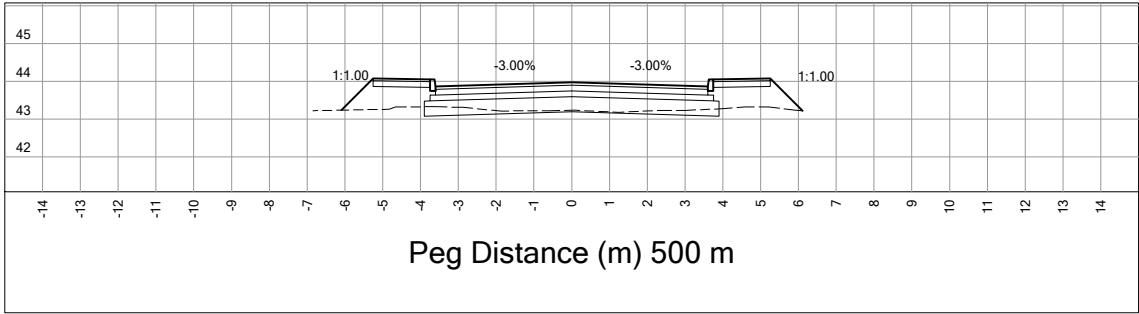


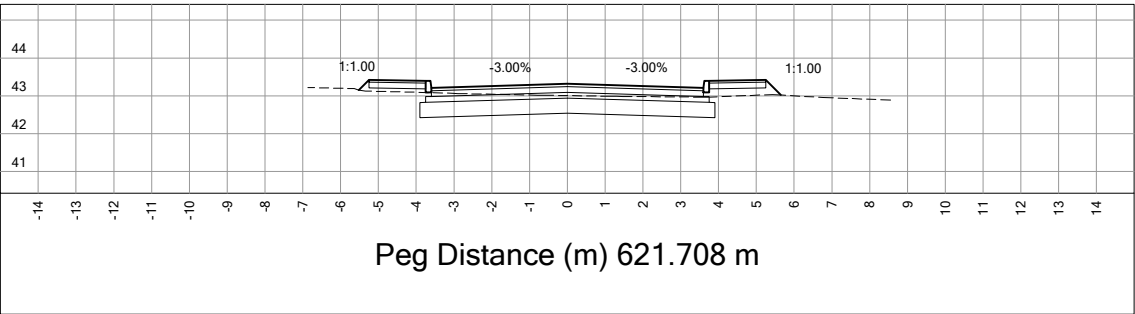
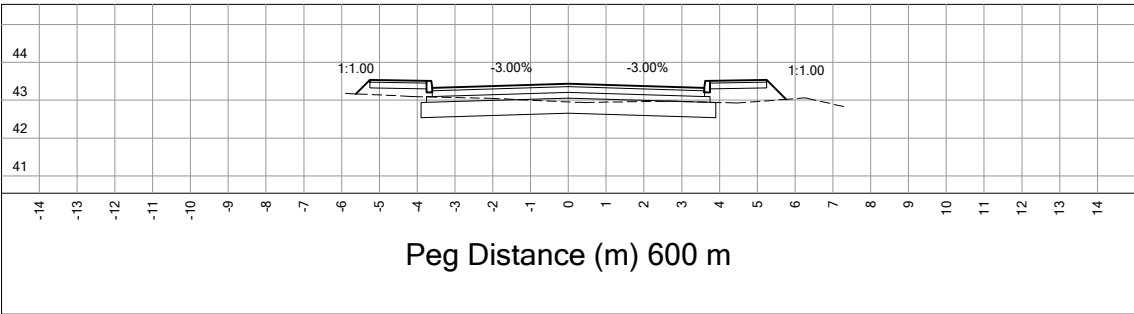
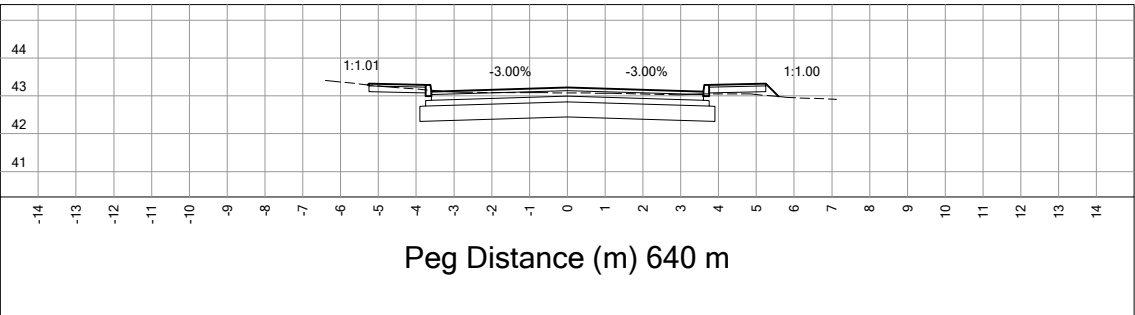
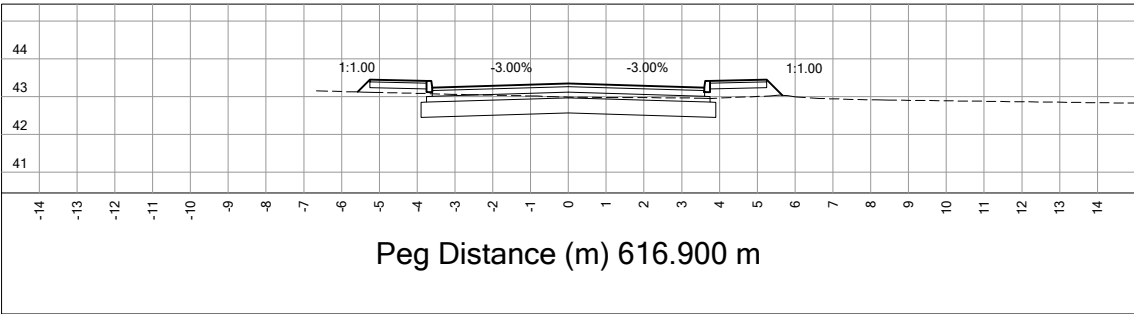
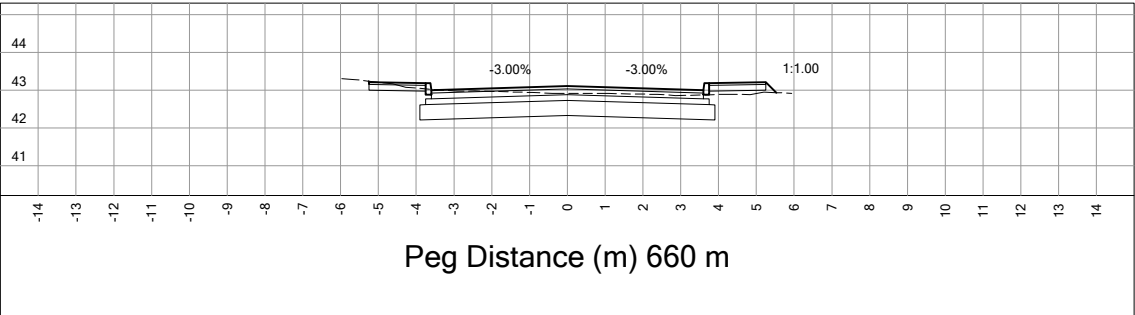
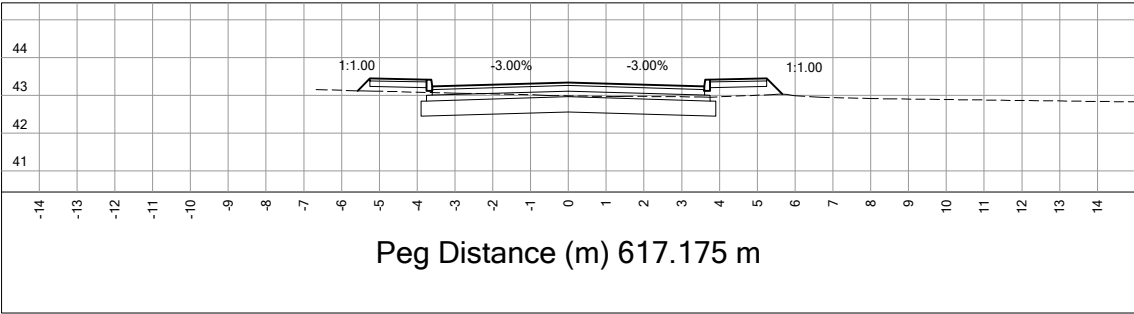
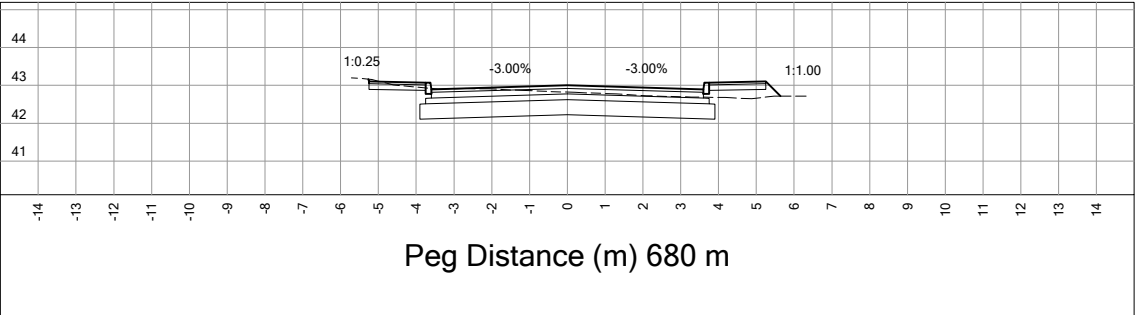
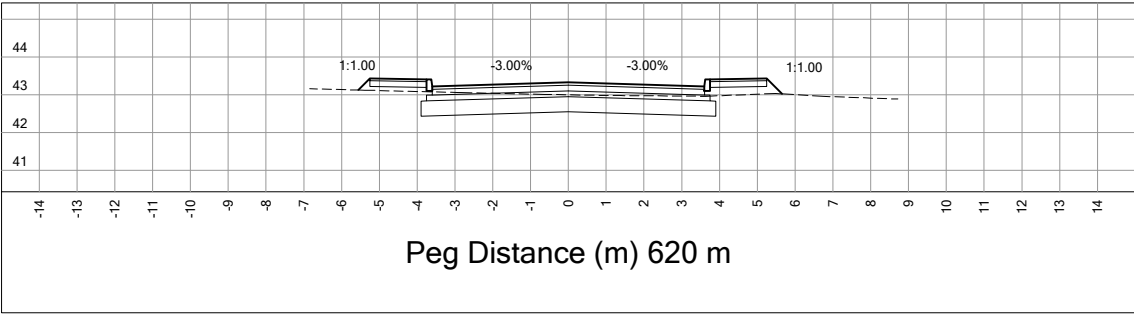


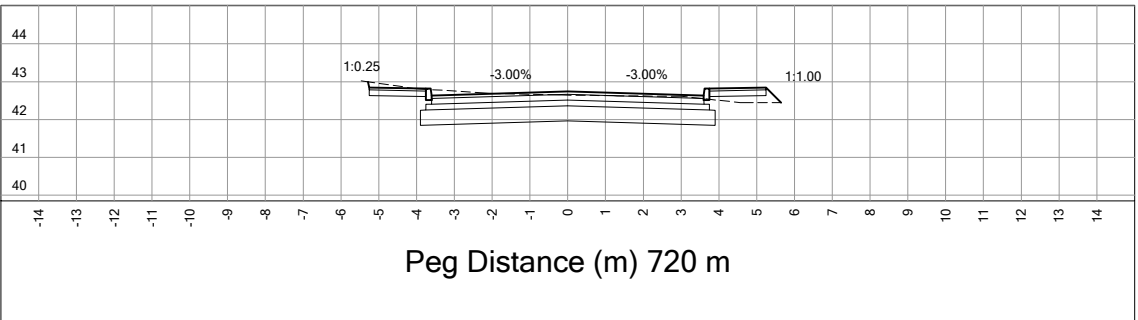
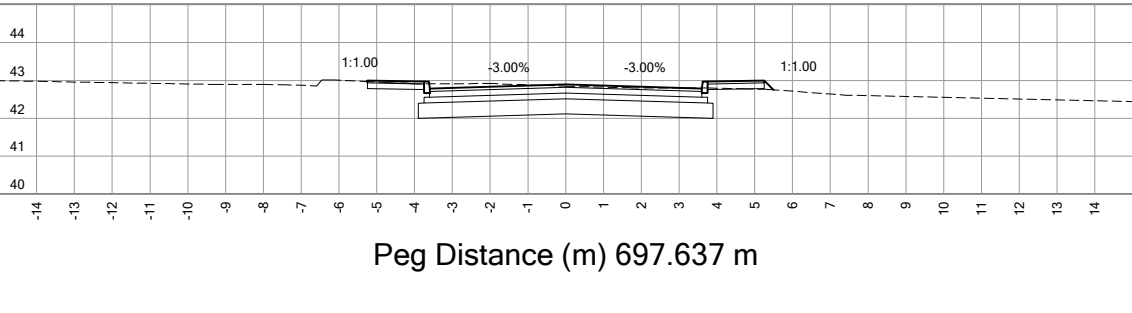
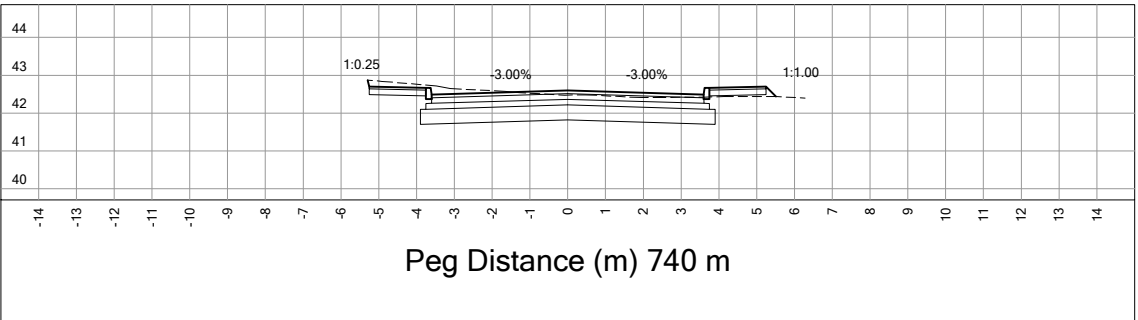
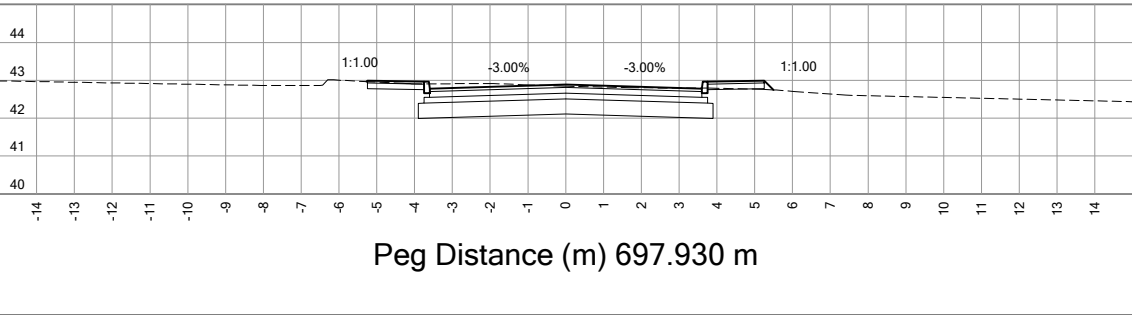
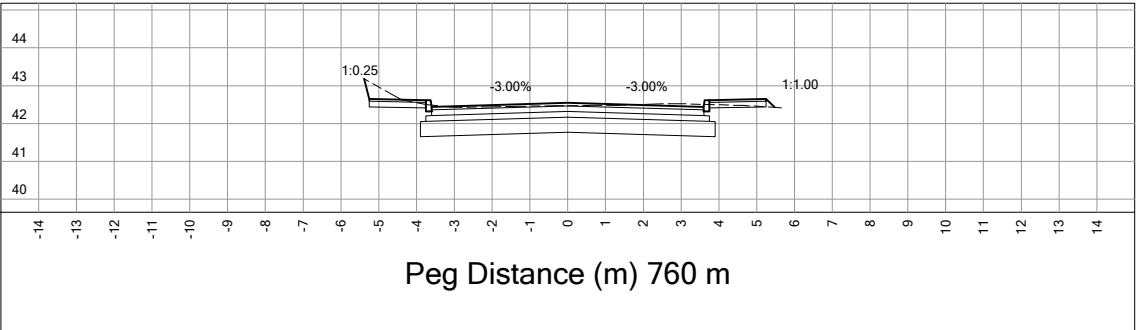
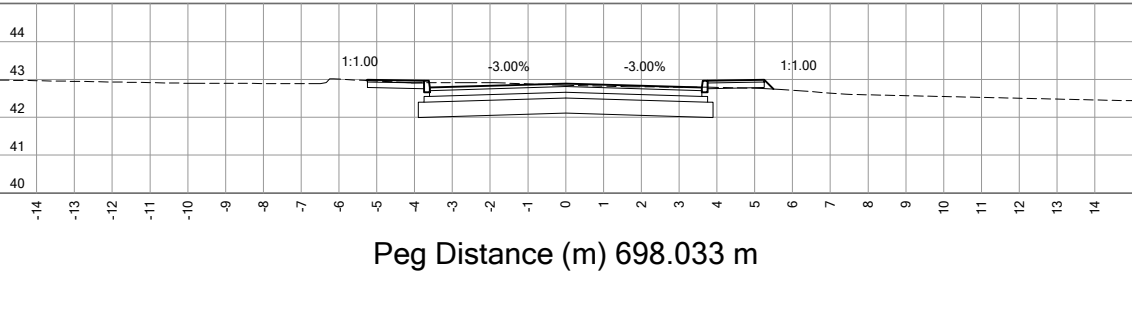
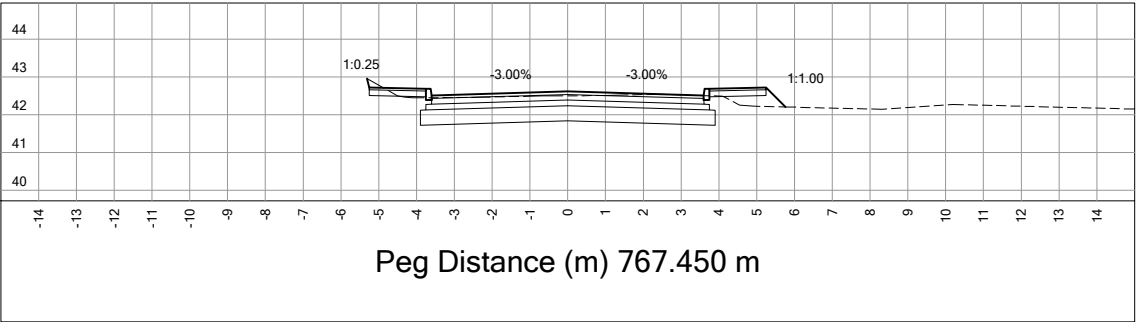
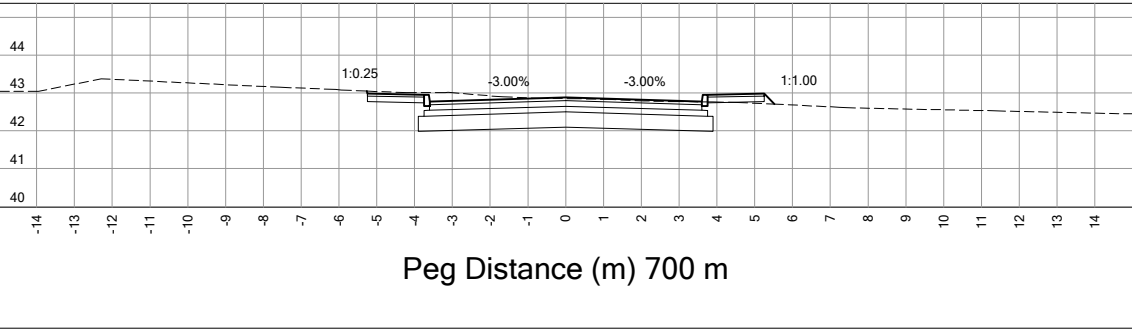


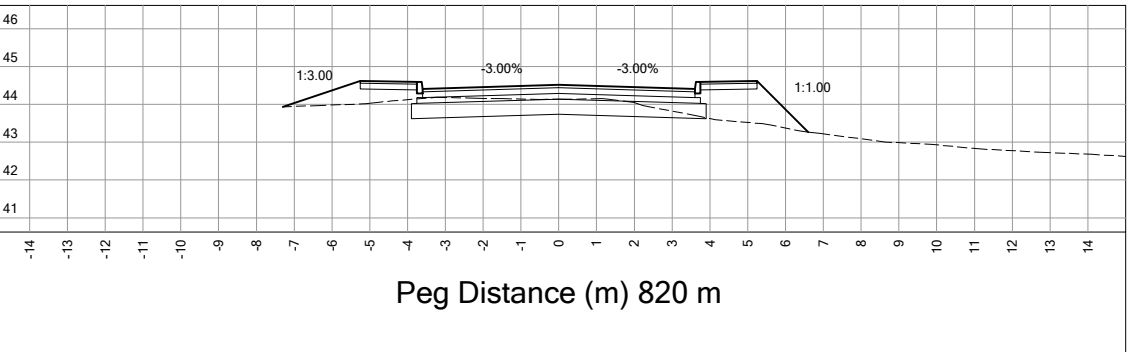
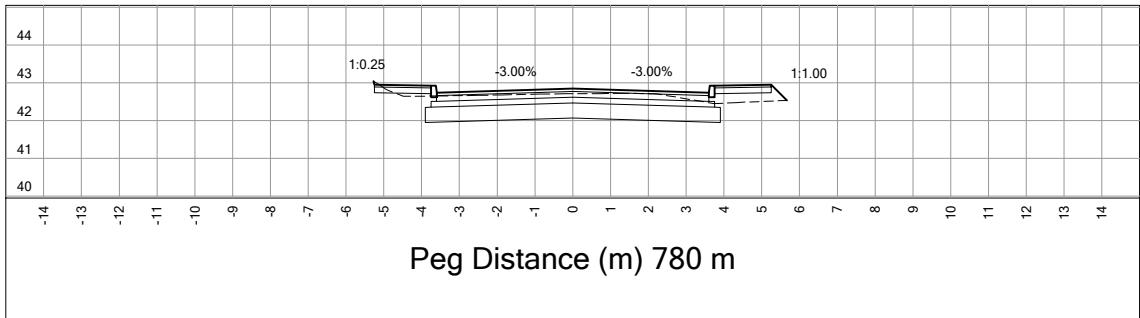
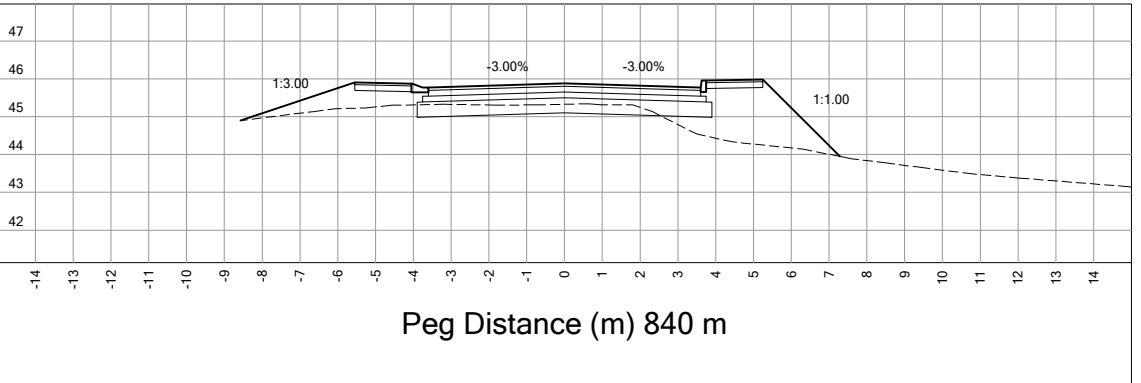
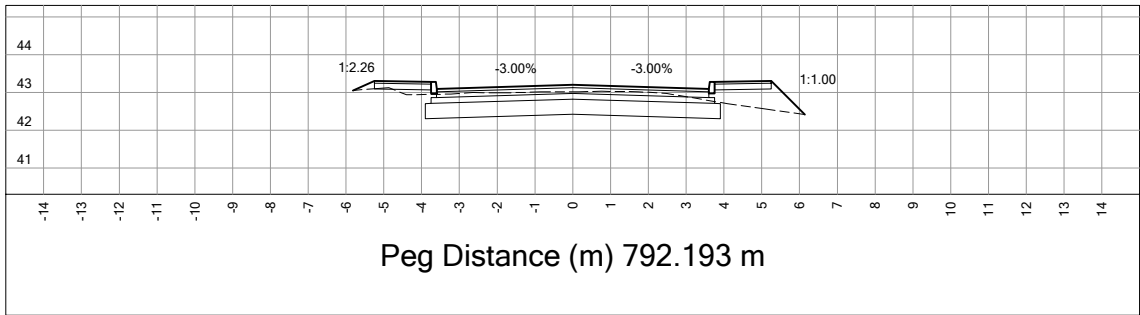
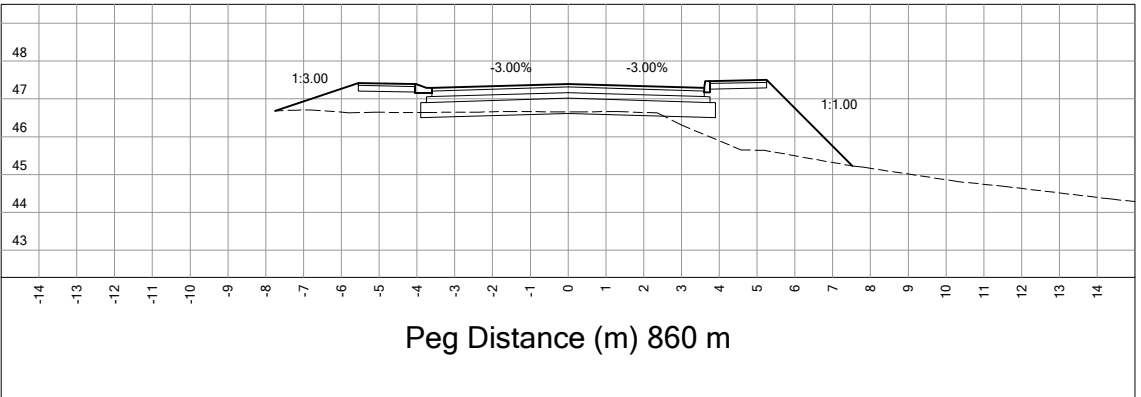
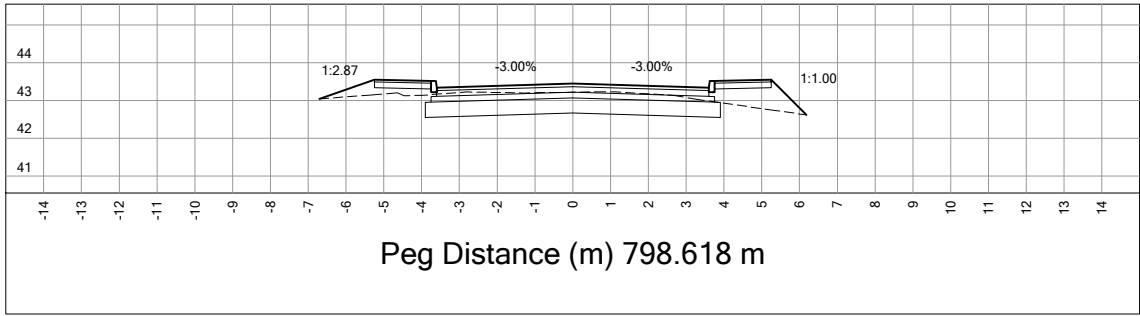
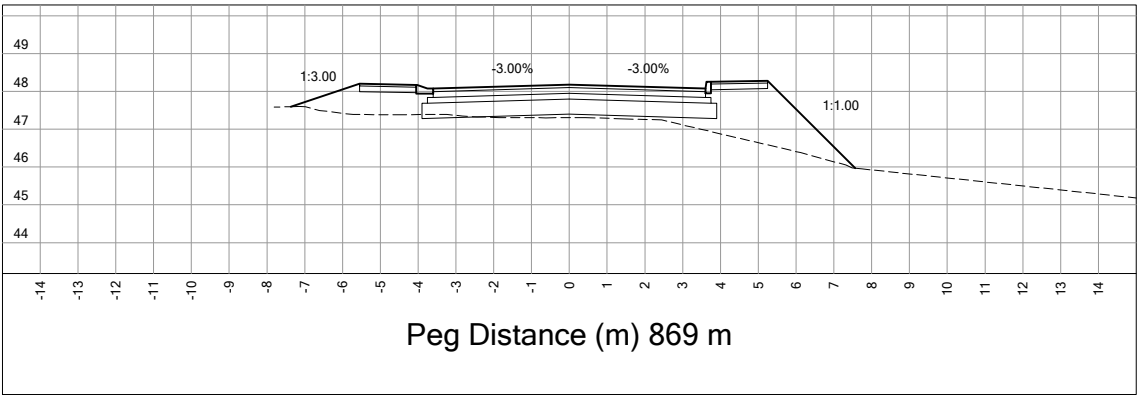
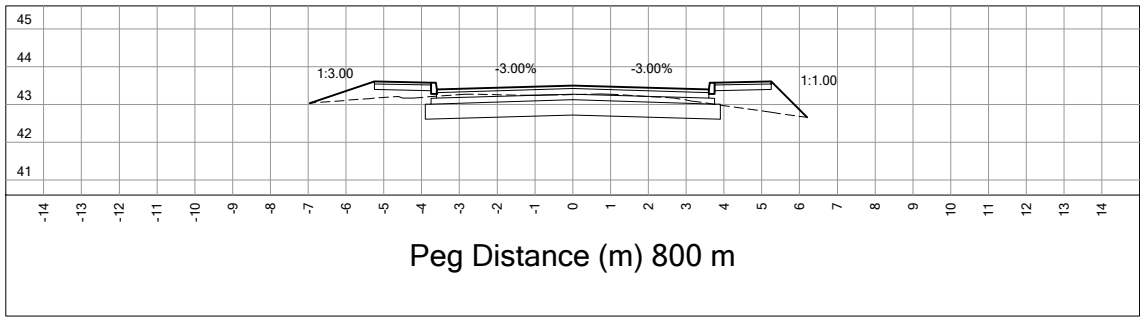


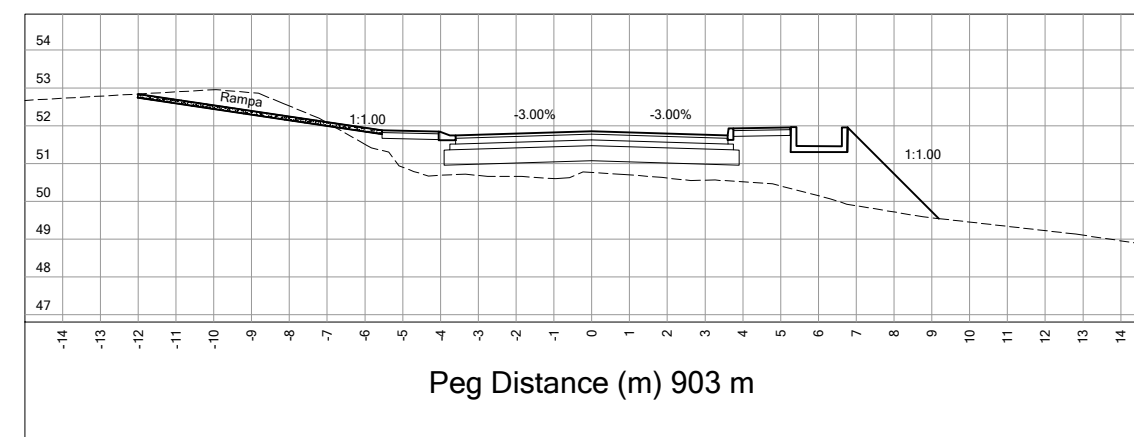
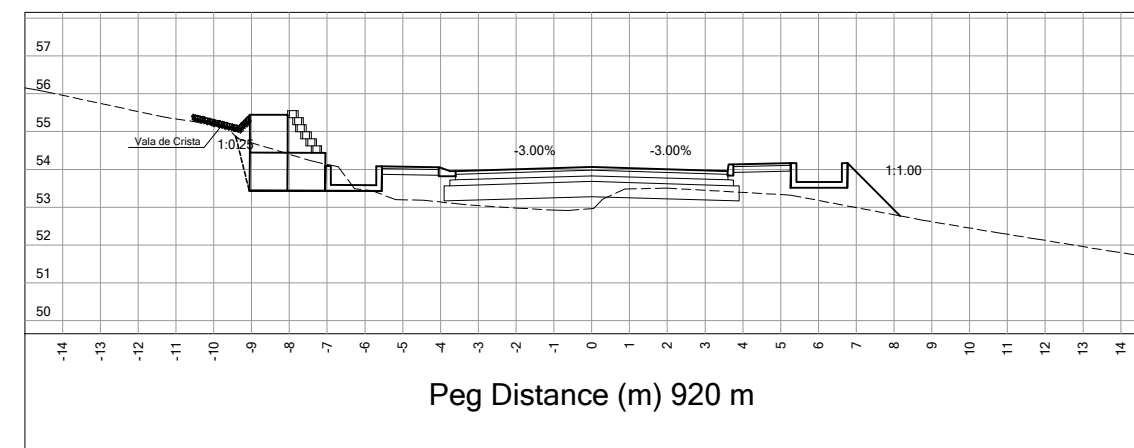
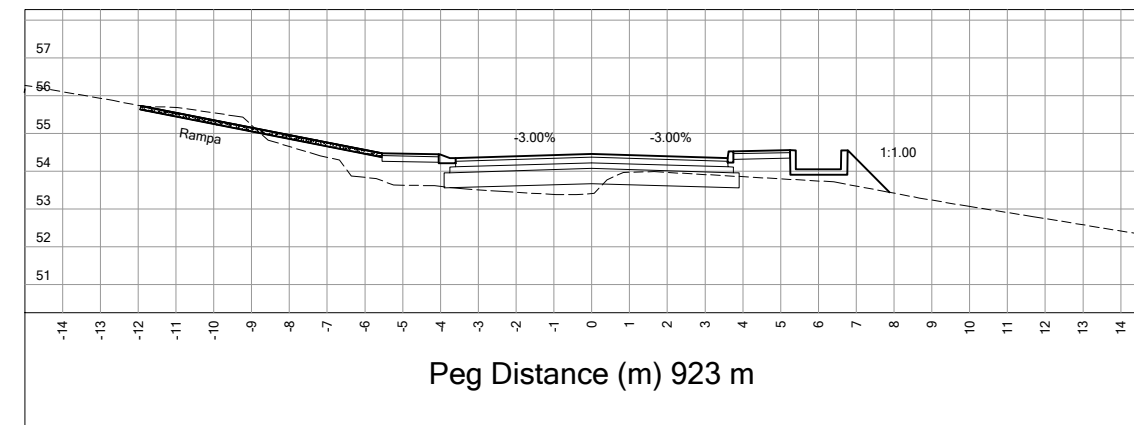
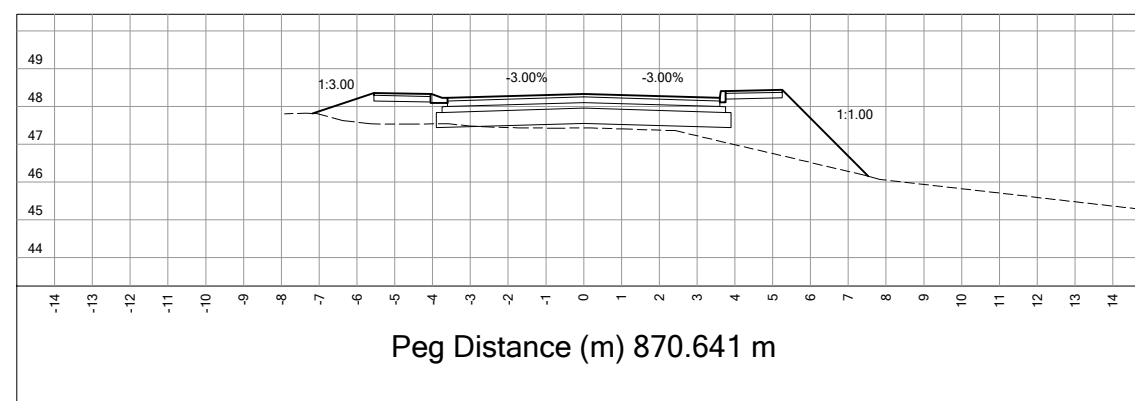
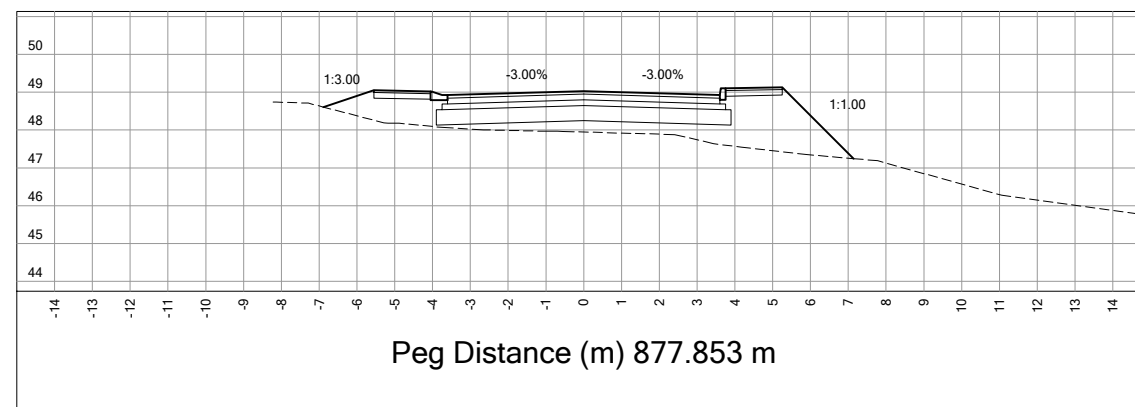
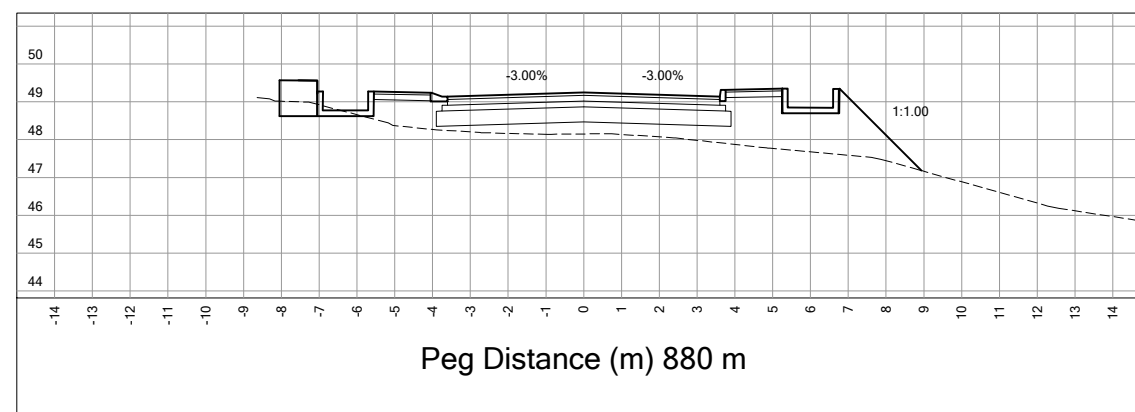
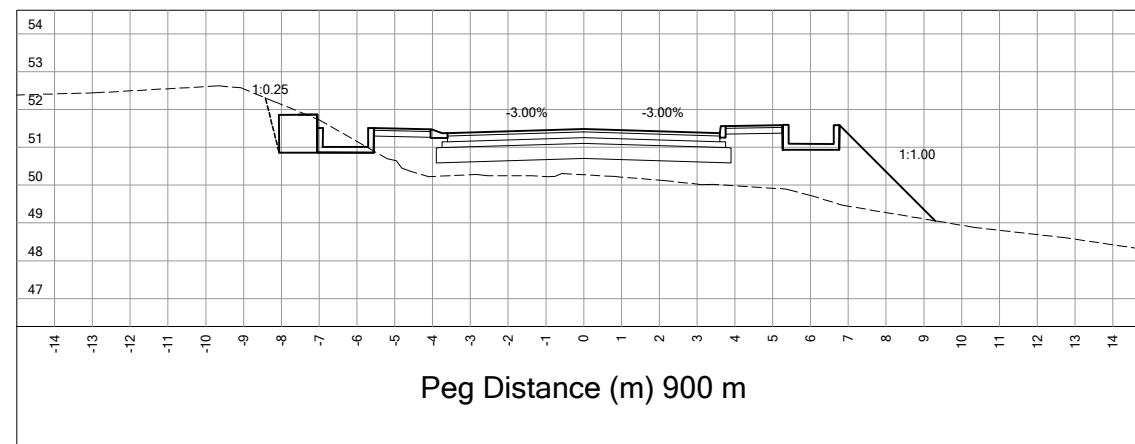


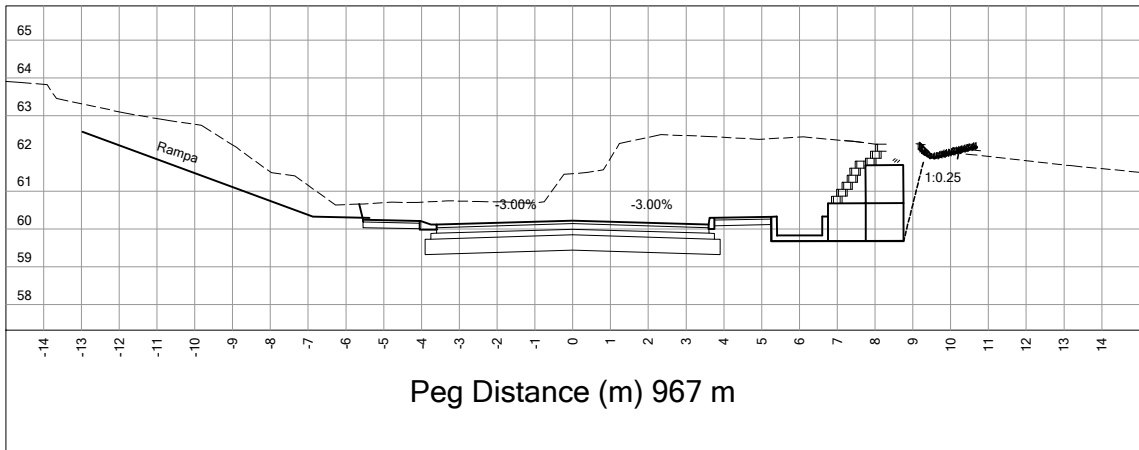
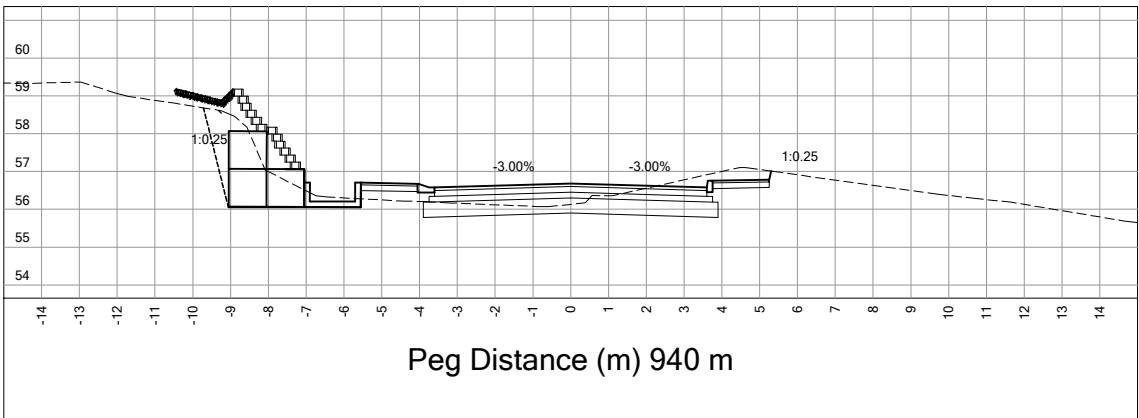
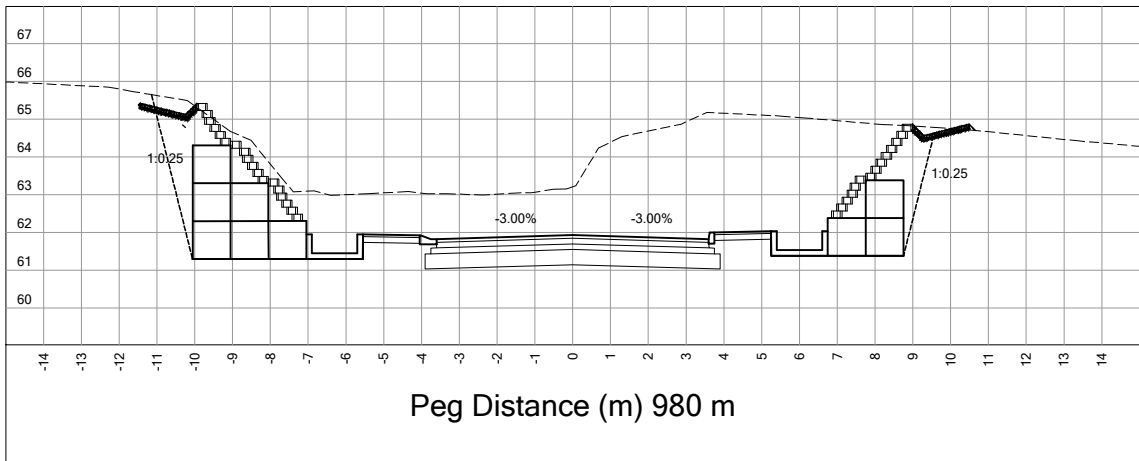
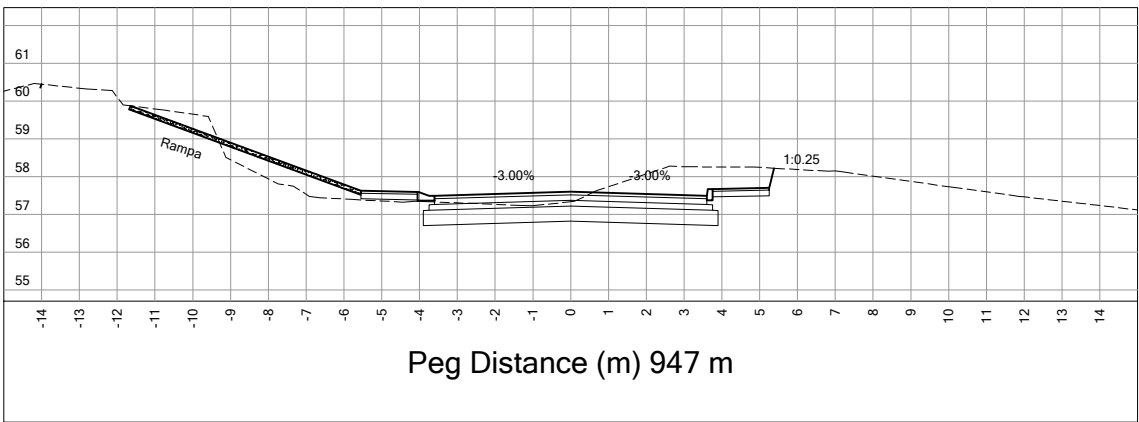
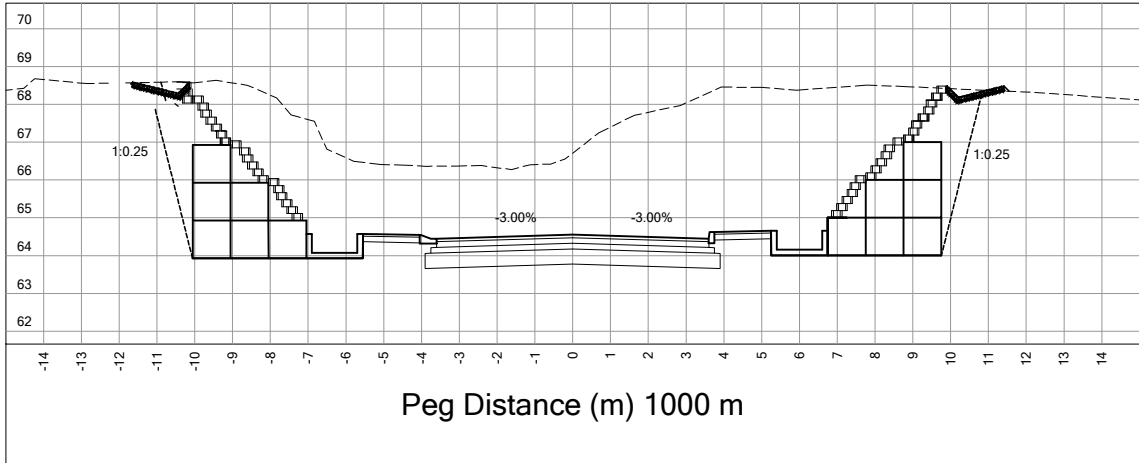
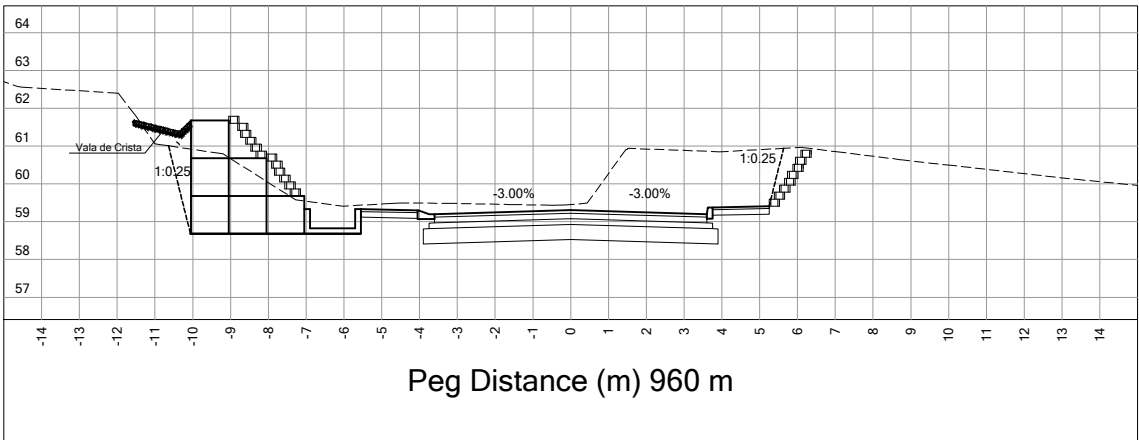


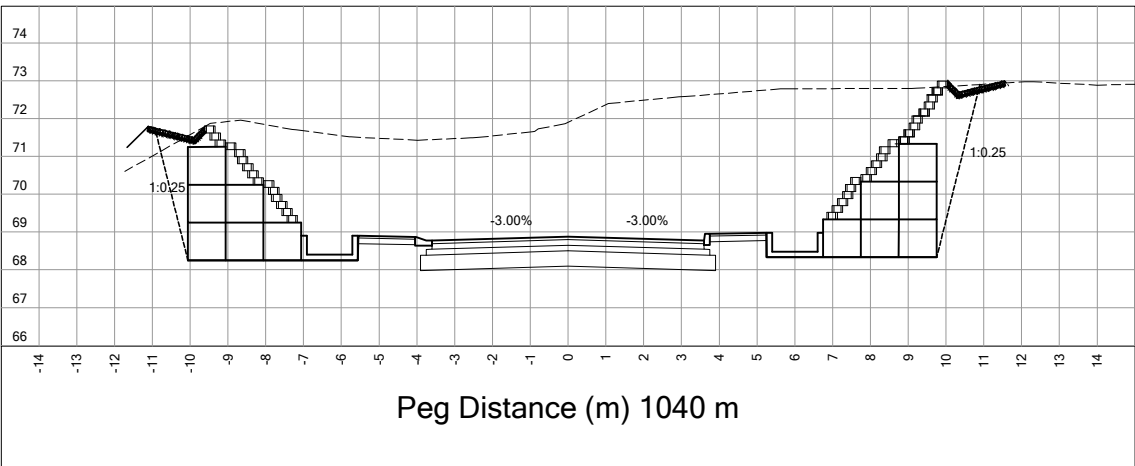
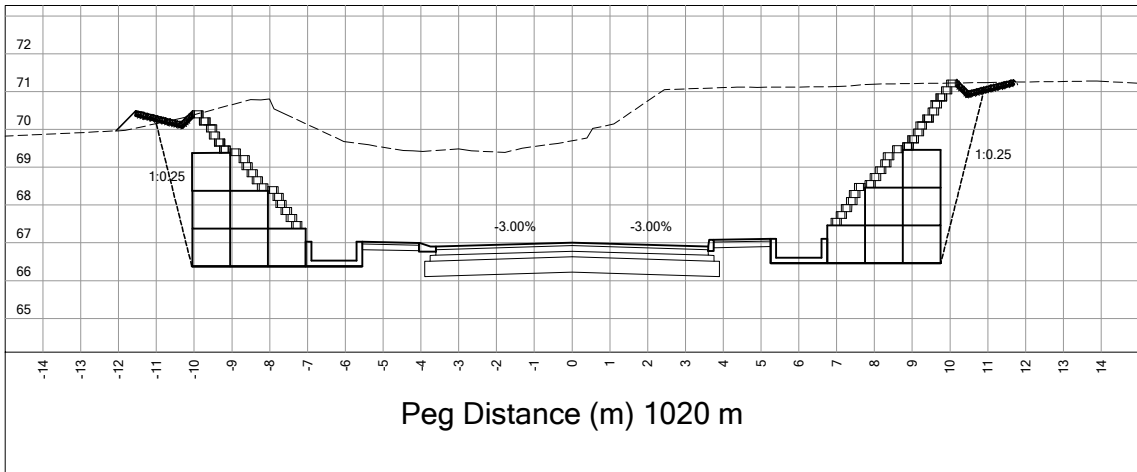
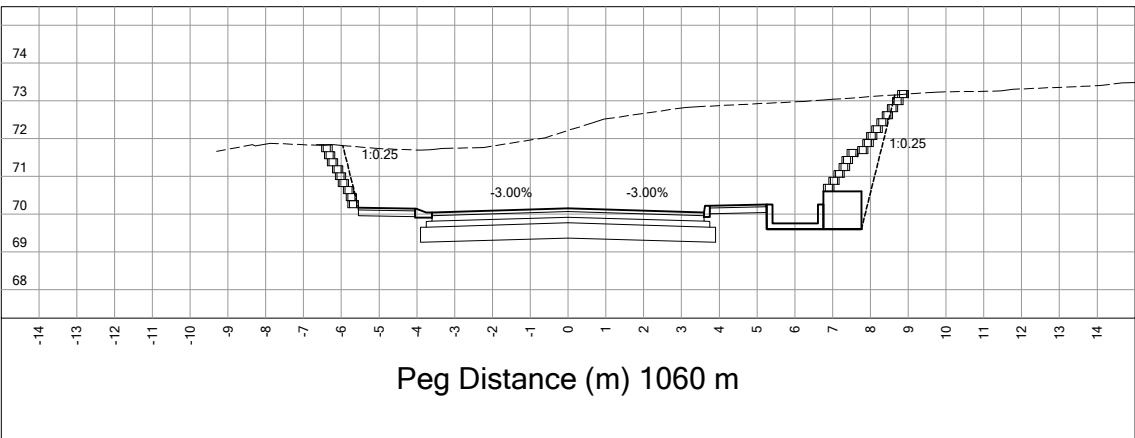
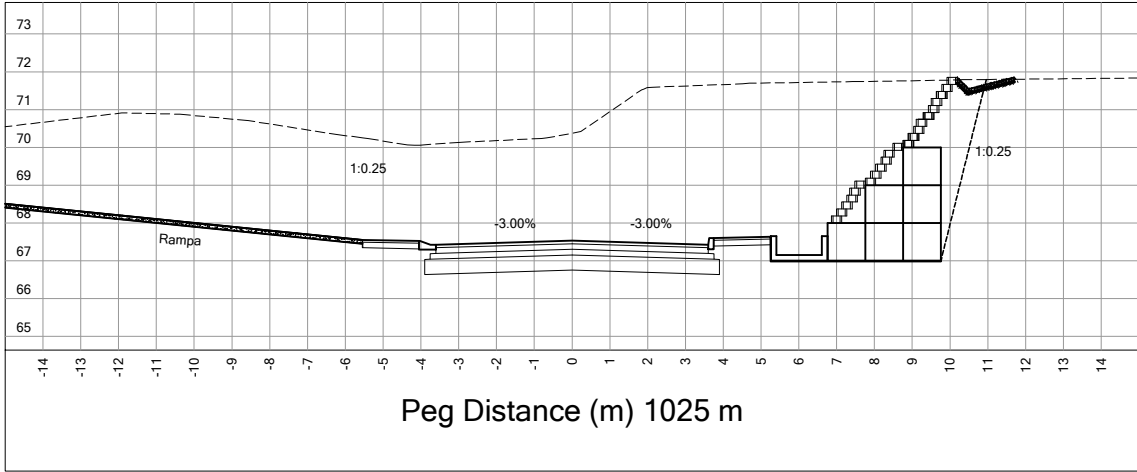
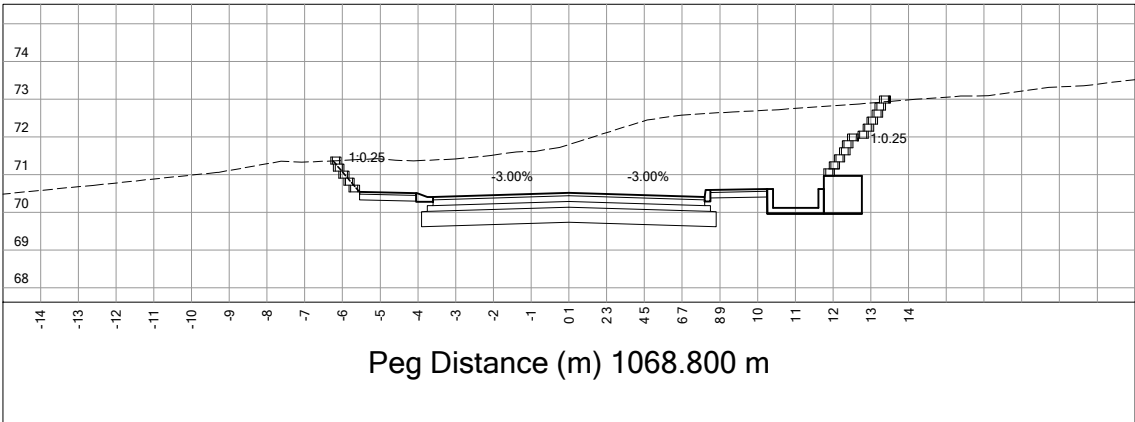


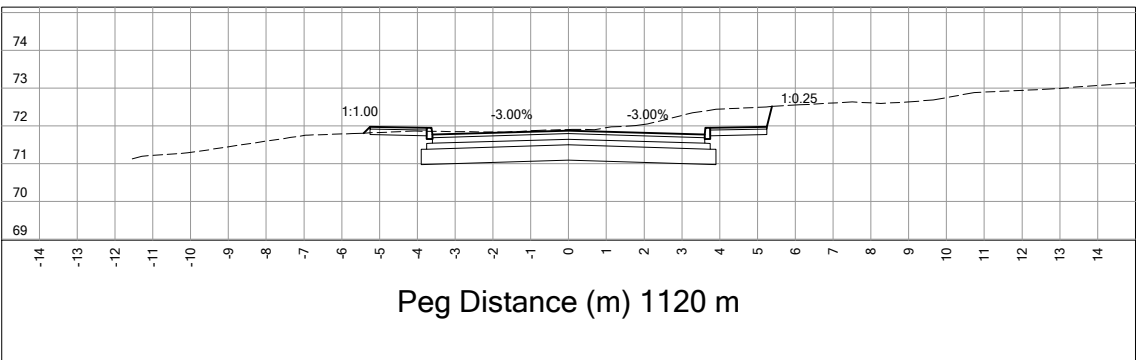
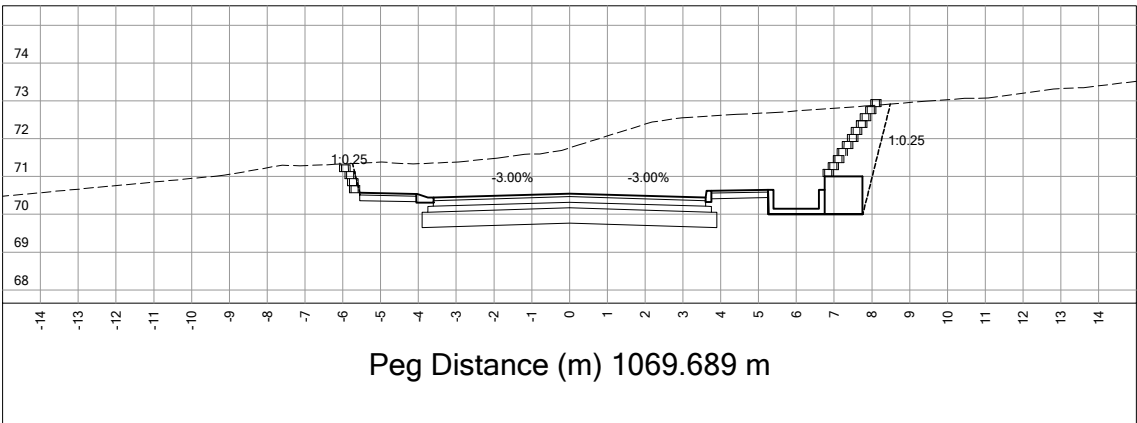
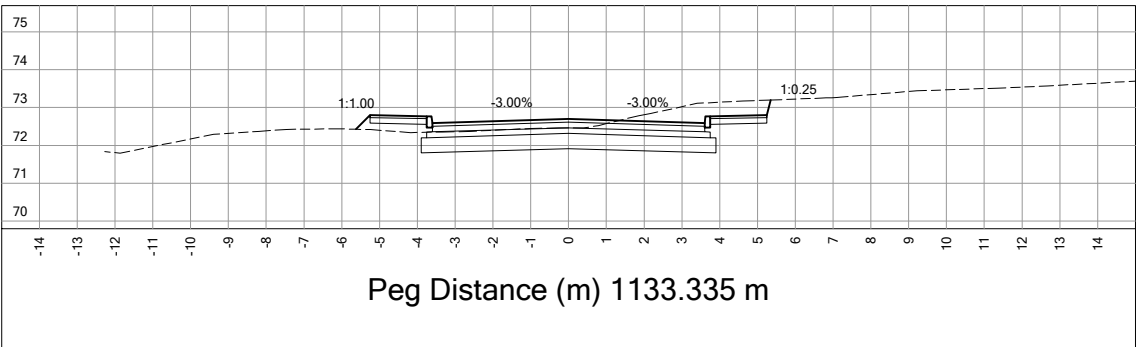
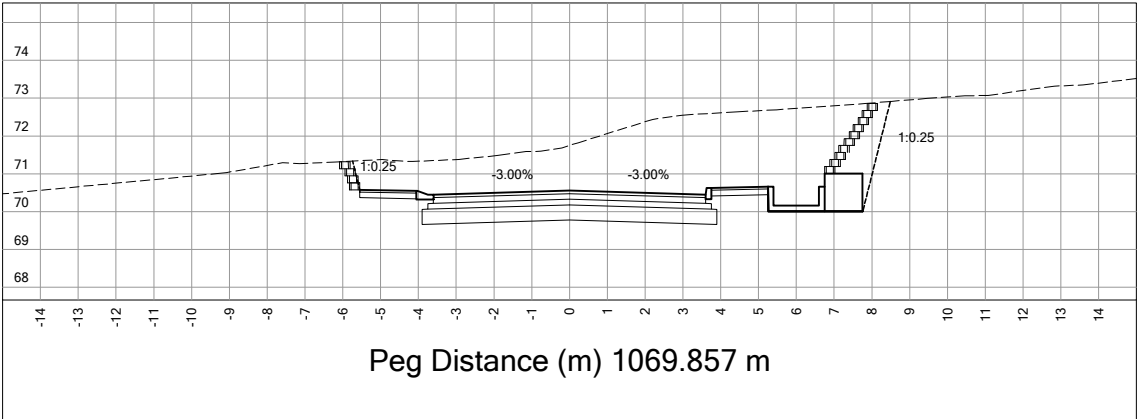
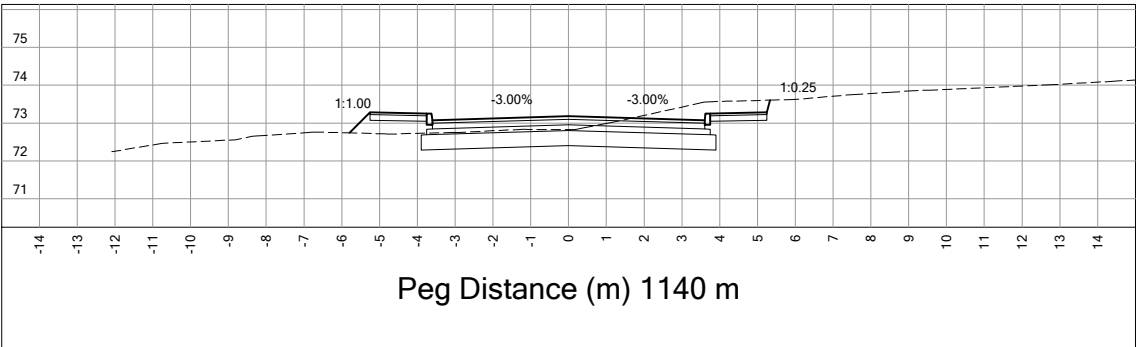
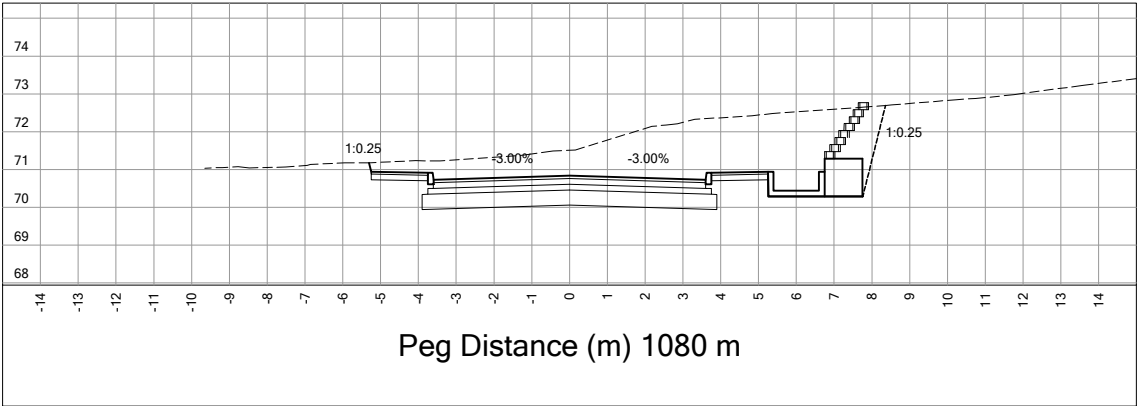
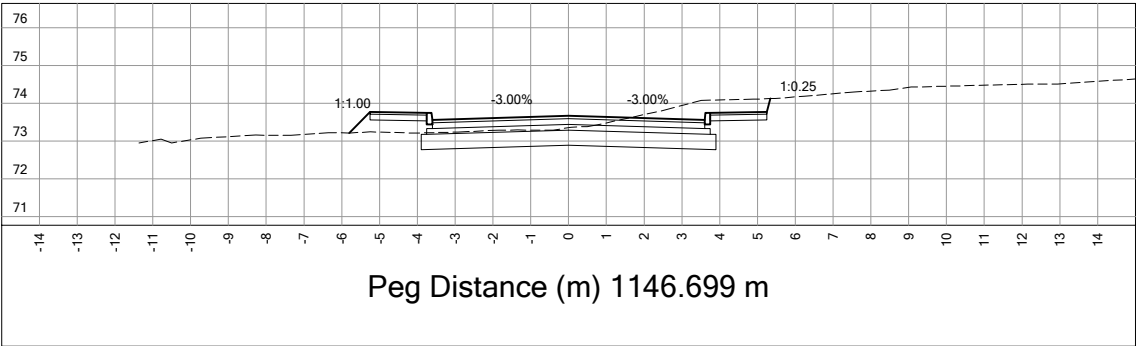
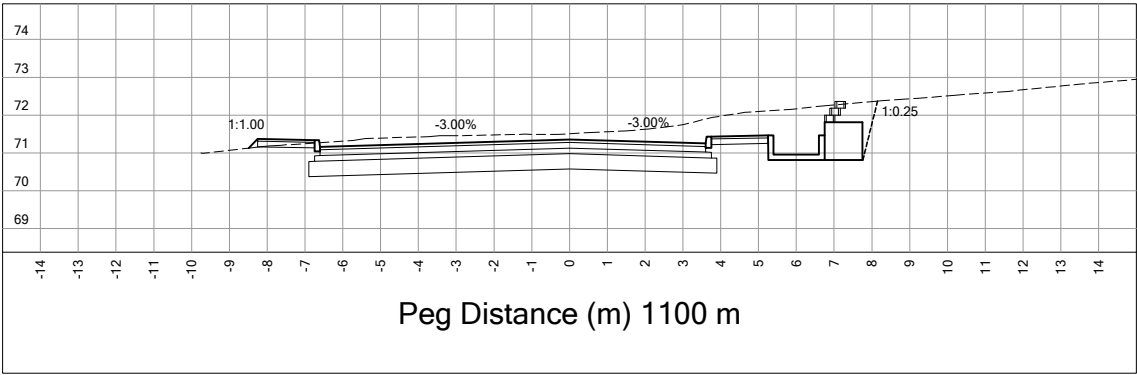


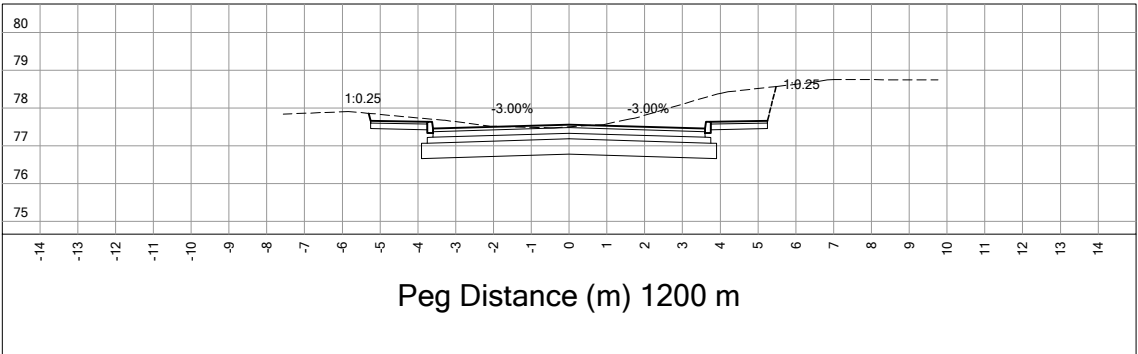
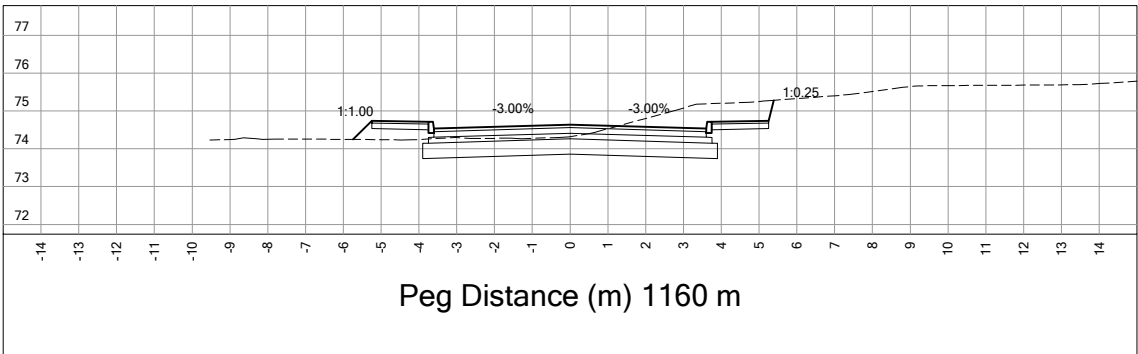
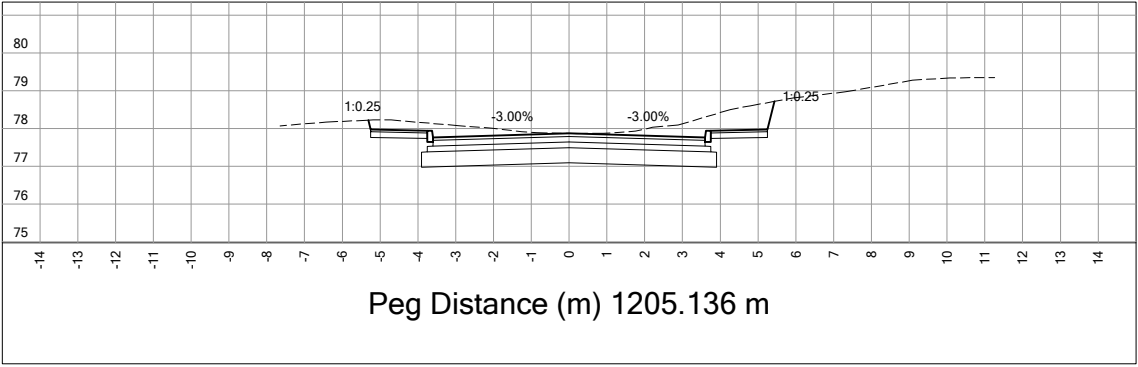
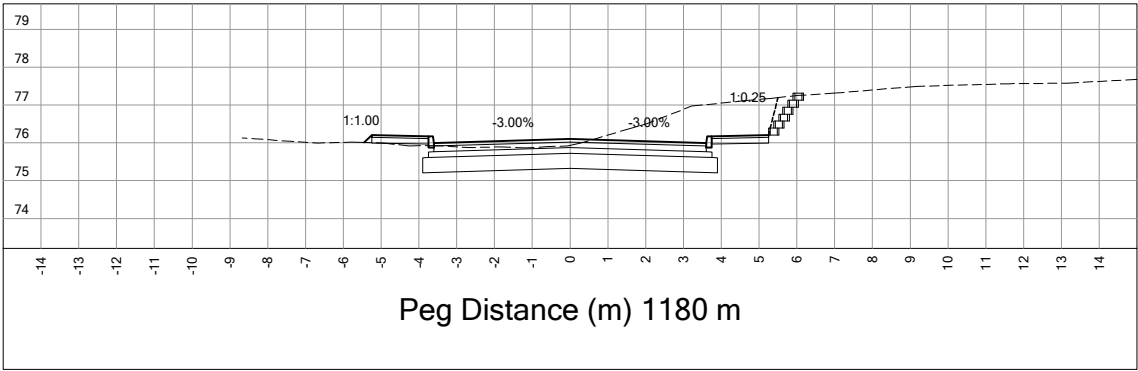
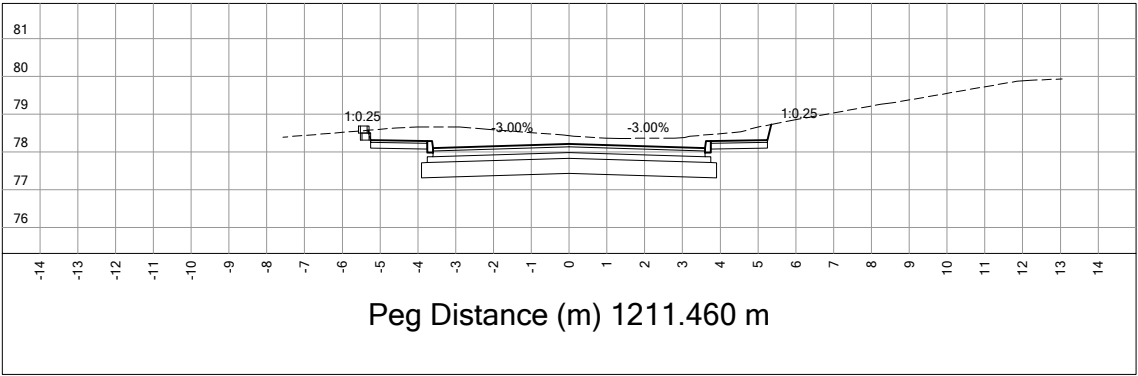
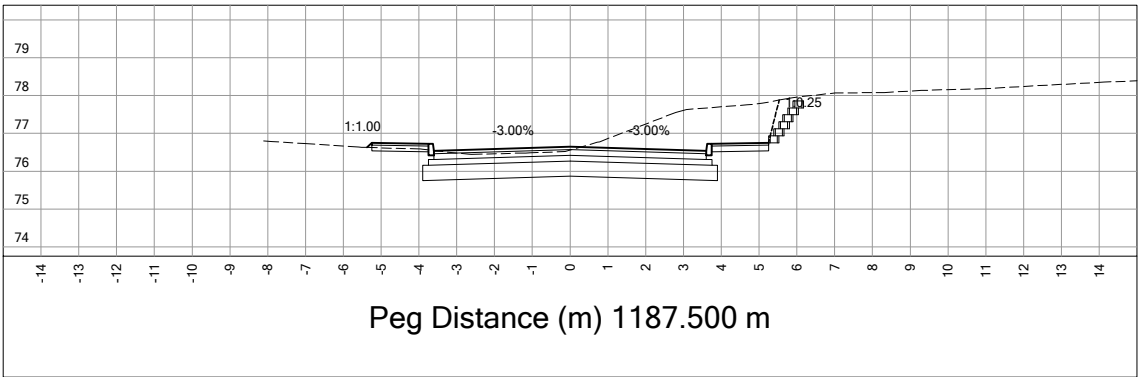
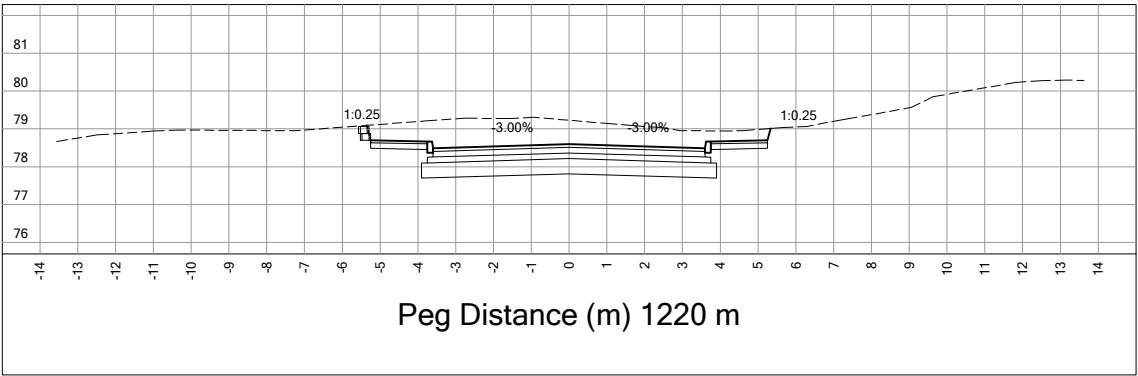
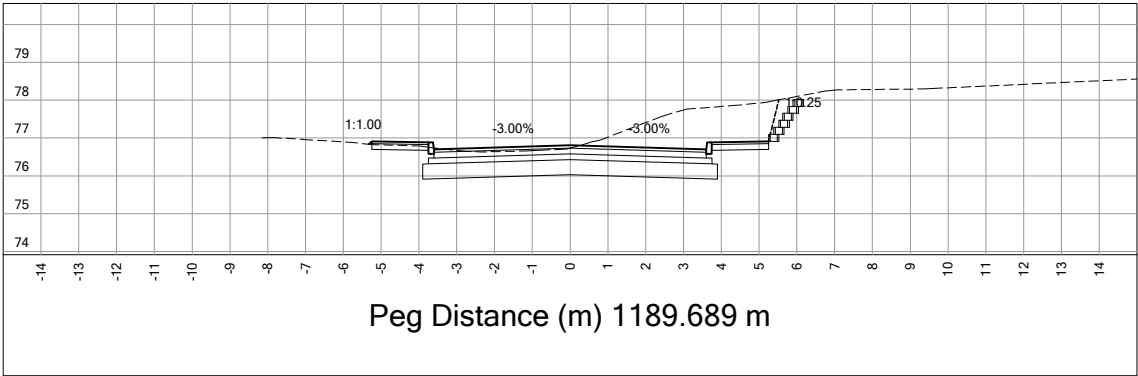


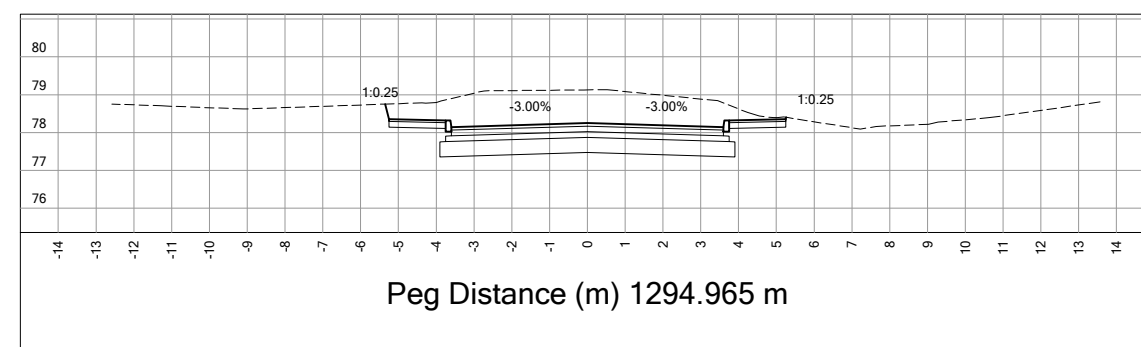
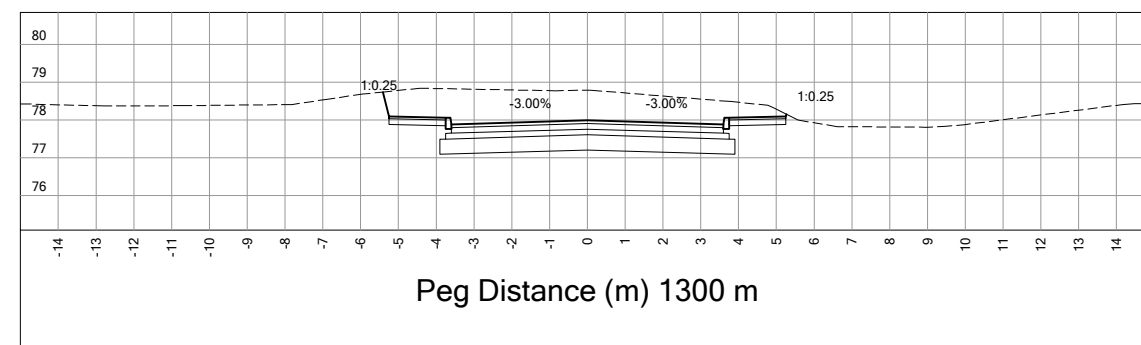
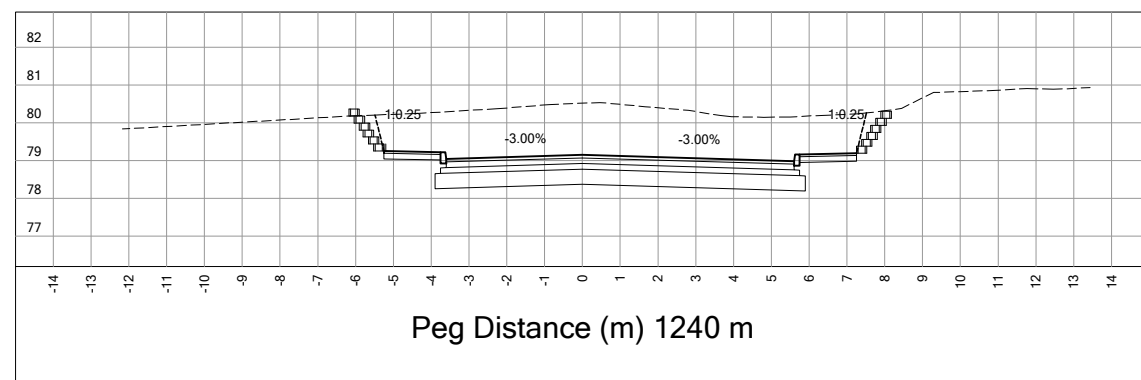
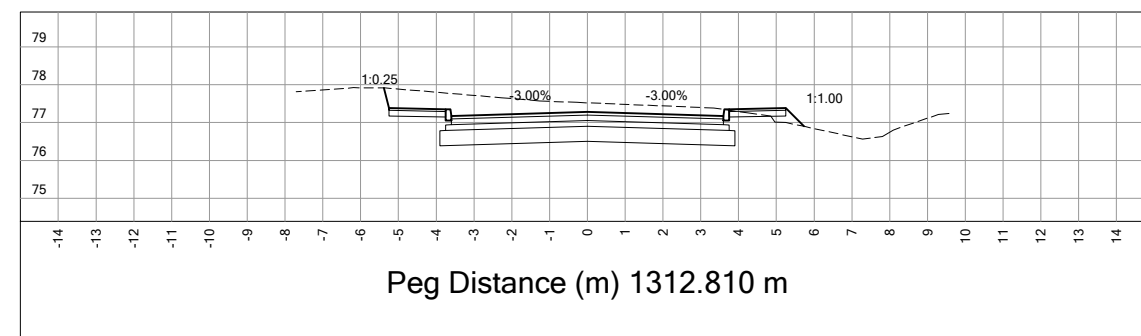
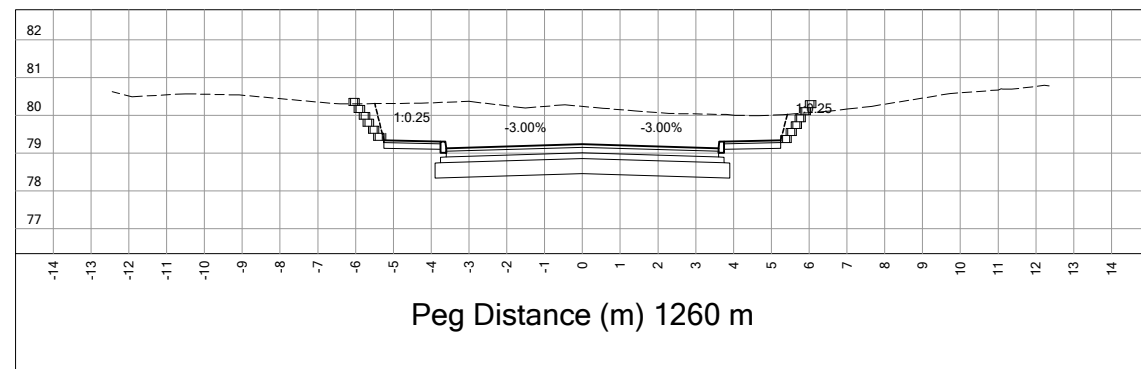
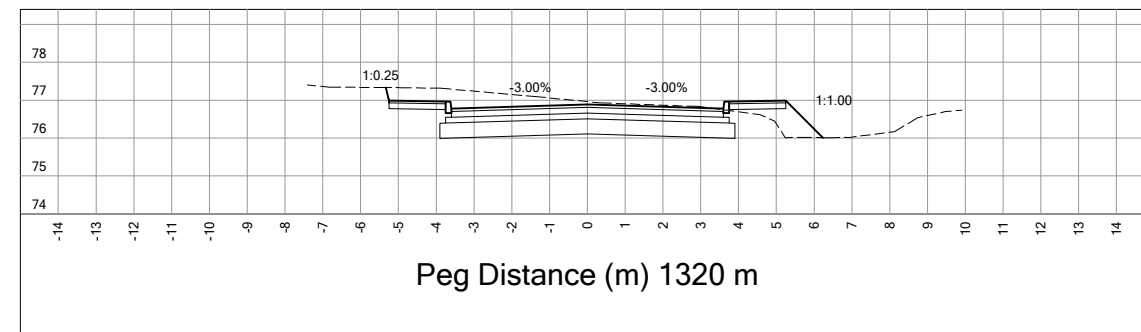
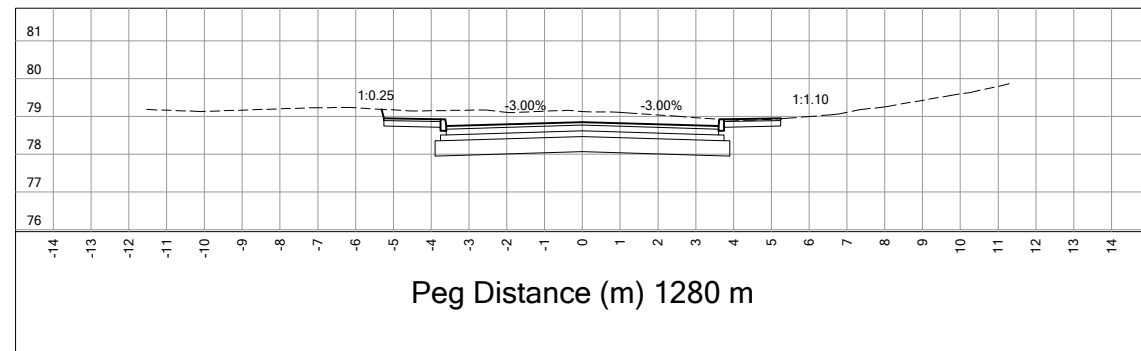


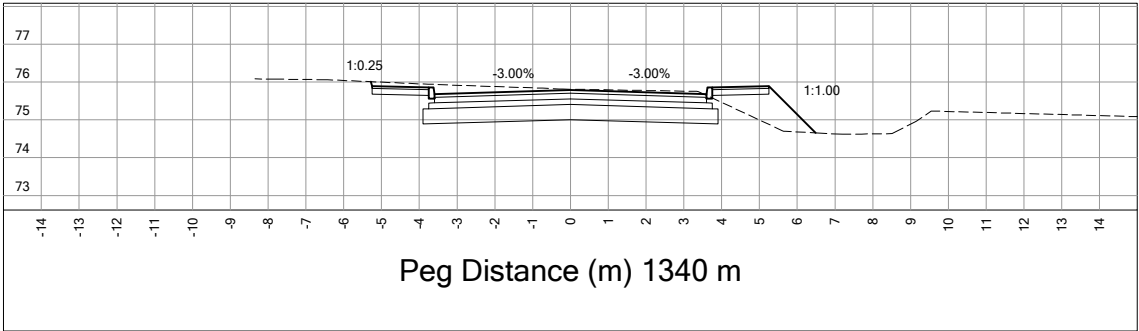
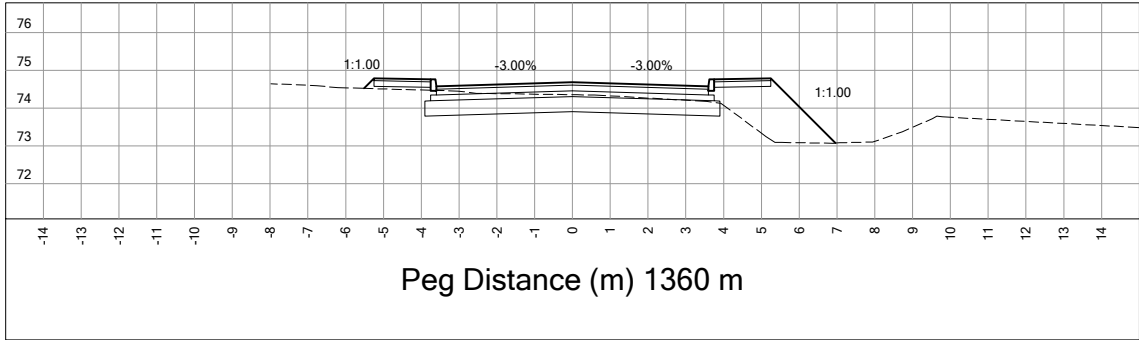
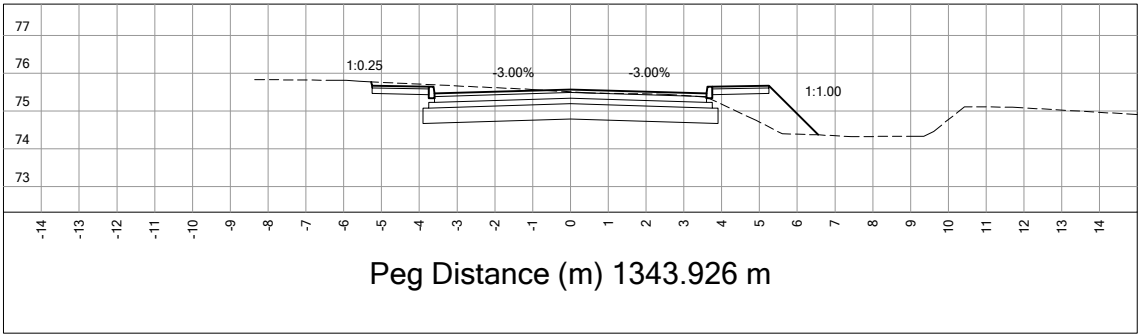
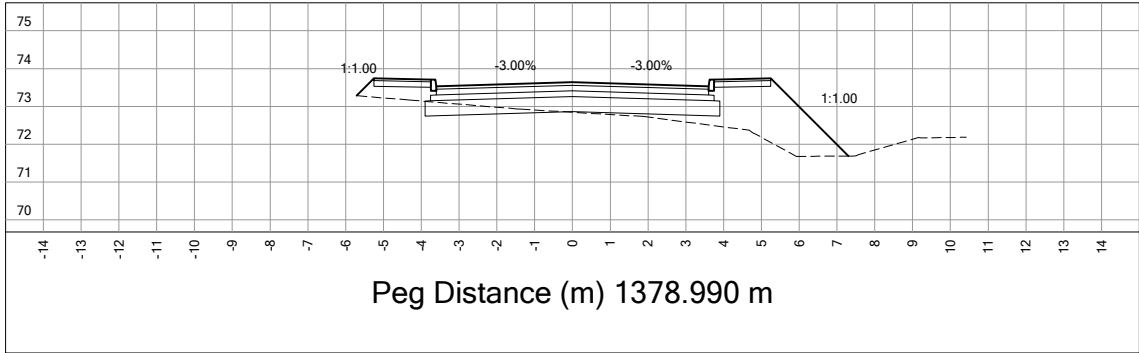
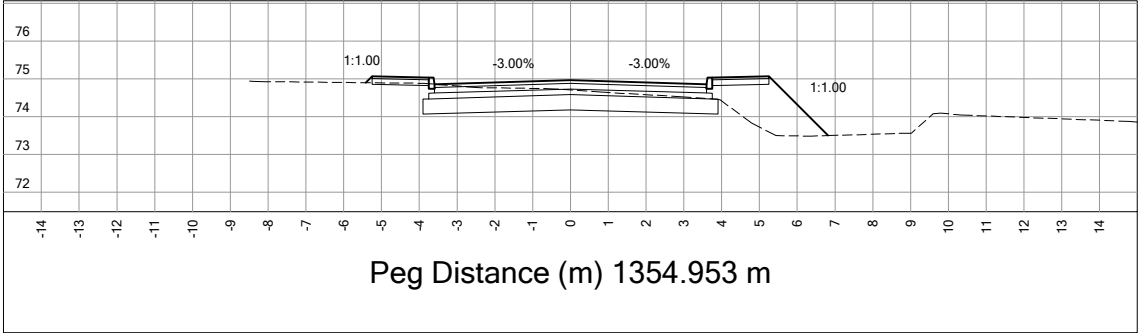


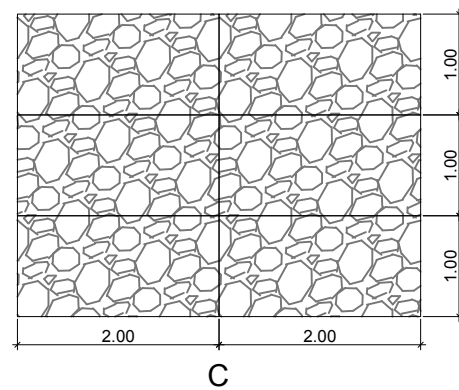
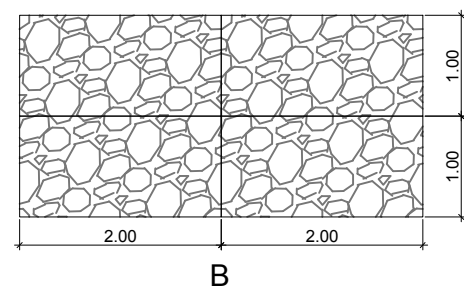
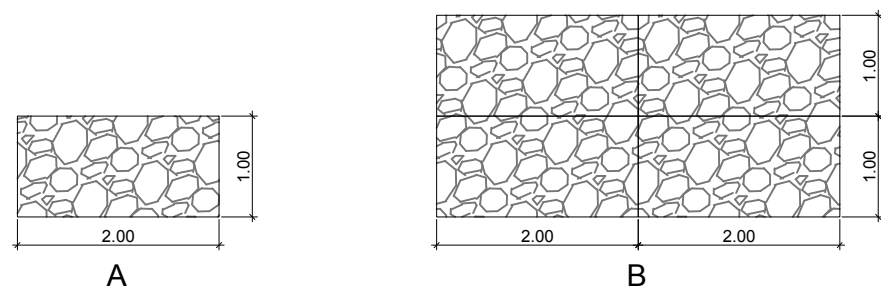
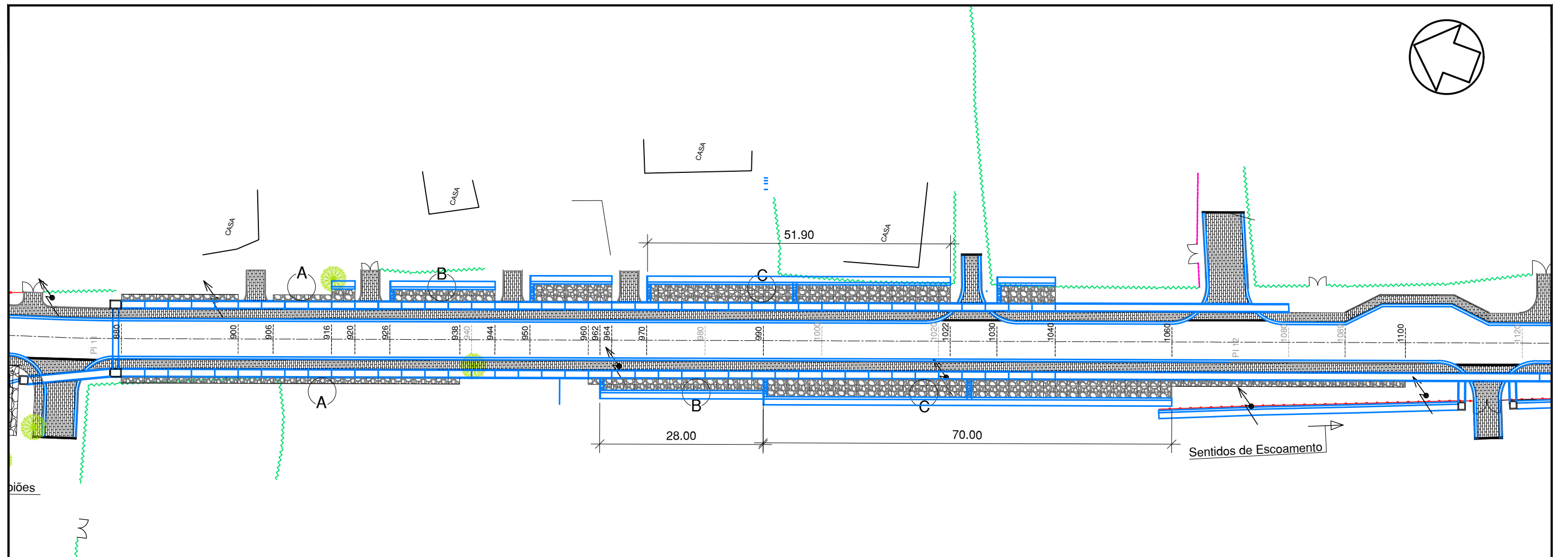




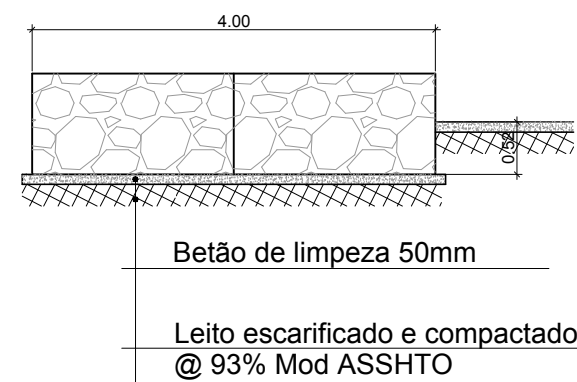




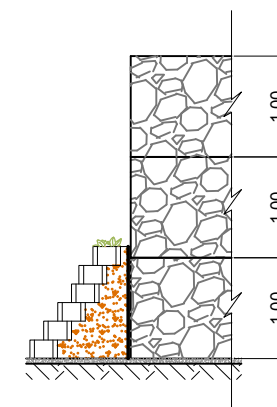




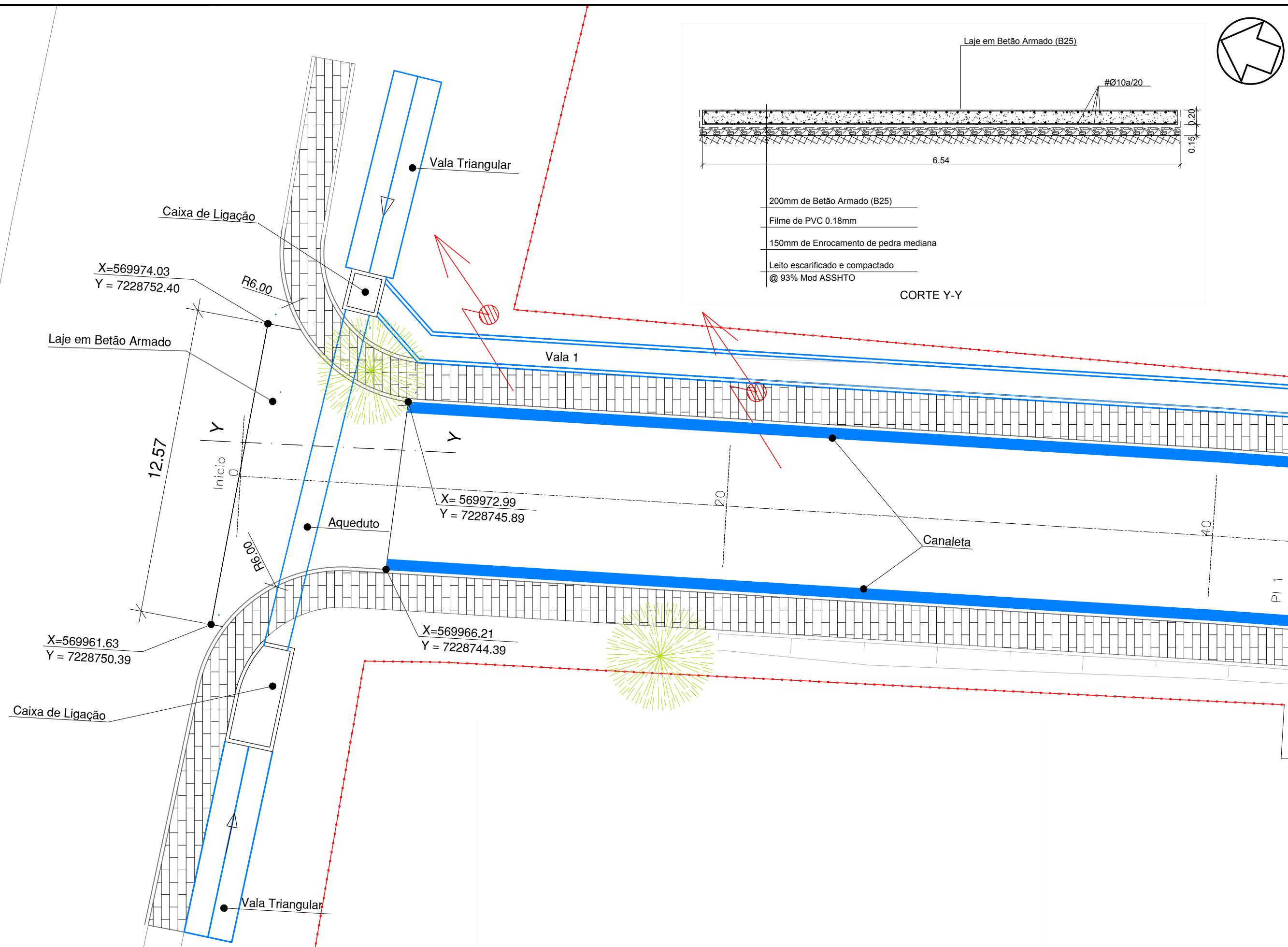
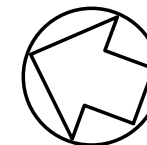
Pormenores dos gabões em planta
Escala 1:50

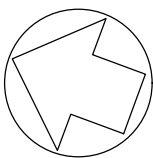


Pormenor da base dos Gabiões
Escala 1:50



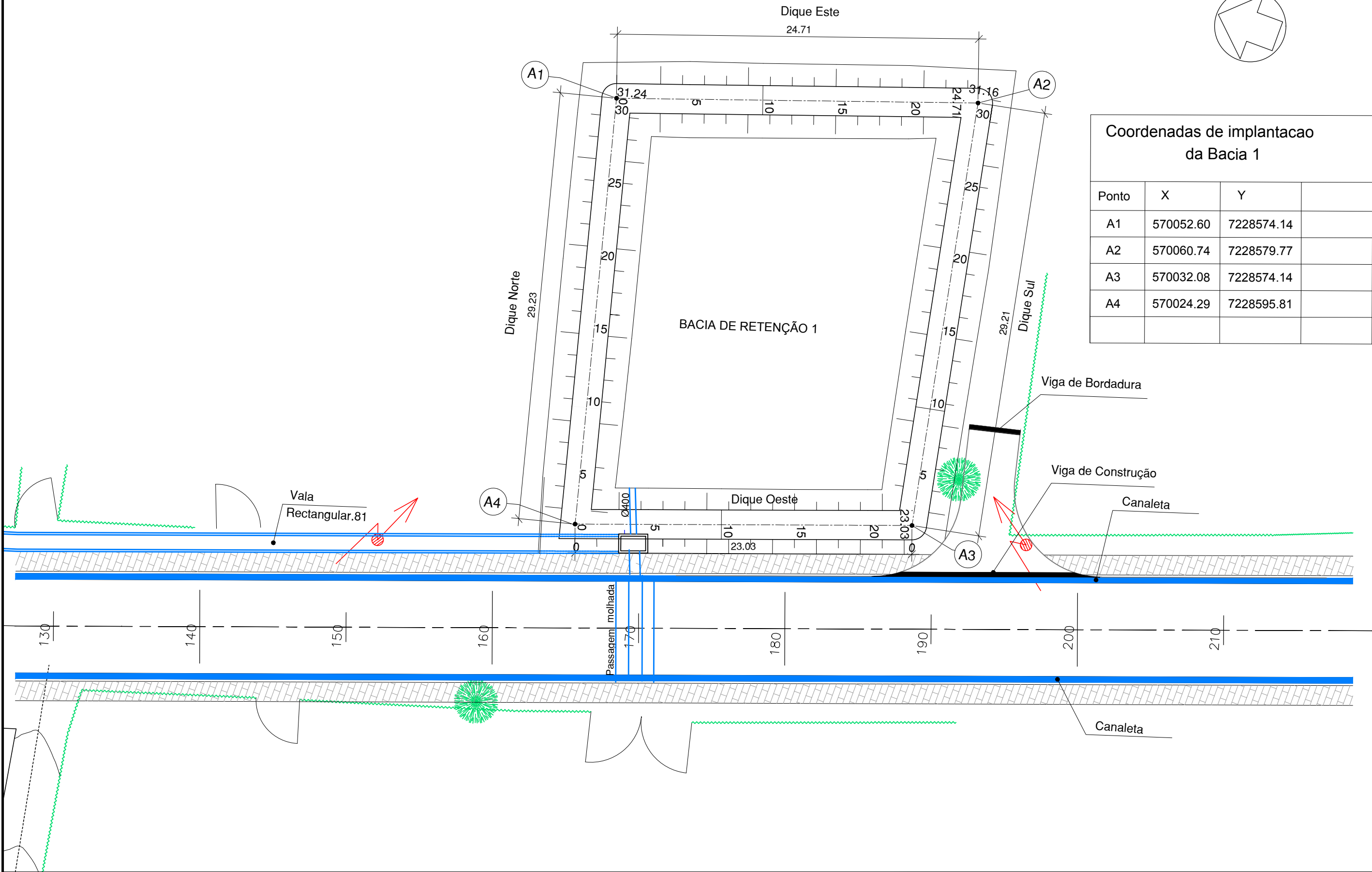
Pormenor de ornamentação lateral dos muros
de gabões nas entradas
Escala 1:50





Coordenadas de implantacao
da Bacia 1

Ponto	X	Y	
A1	570052.60	7228574.14	
A2	570060.74	7228579.77	
A3	570032.08	7228574.14	
A4	570024.29	7228595.81	



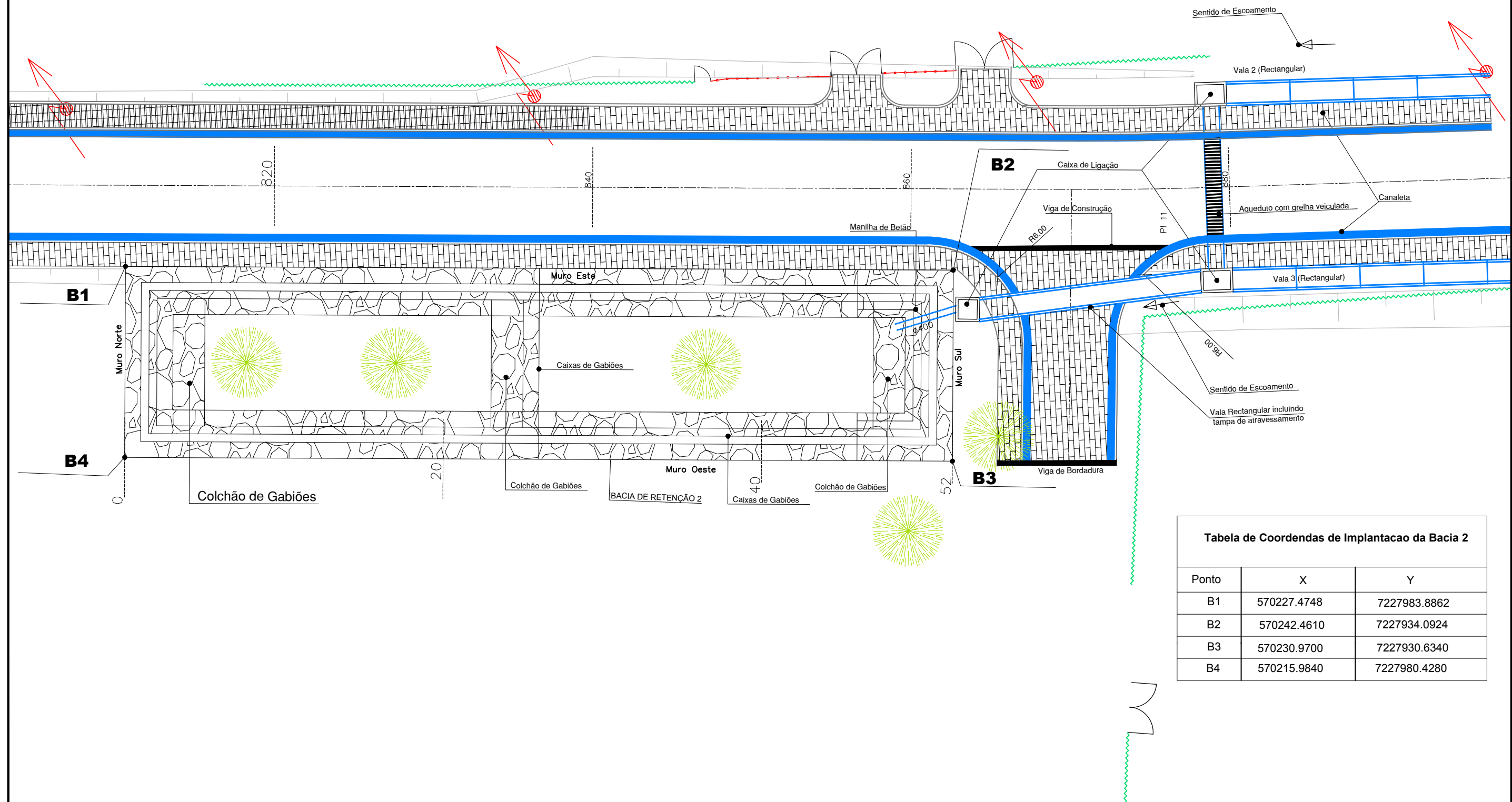
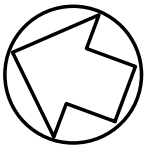
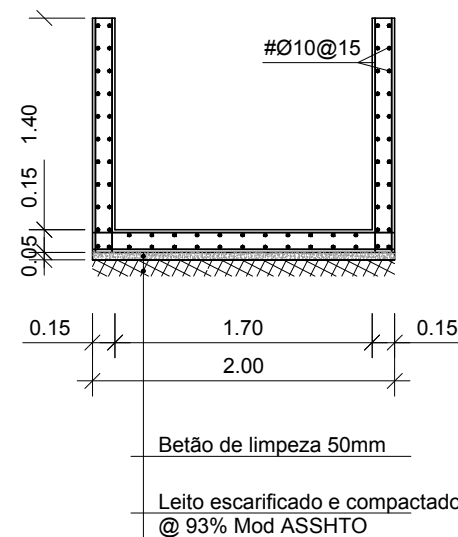
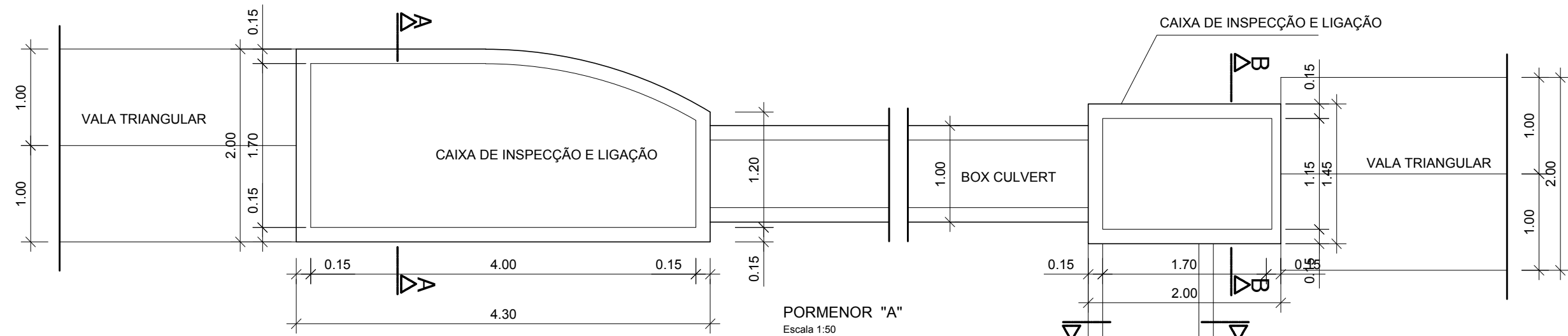
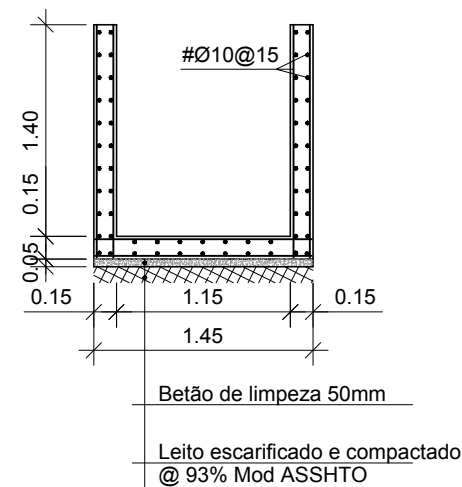


Tabela de Coordenadas de Implantação da Bacia 2

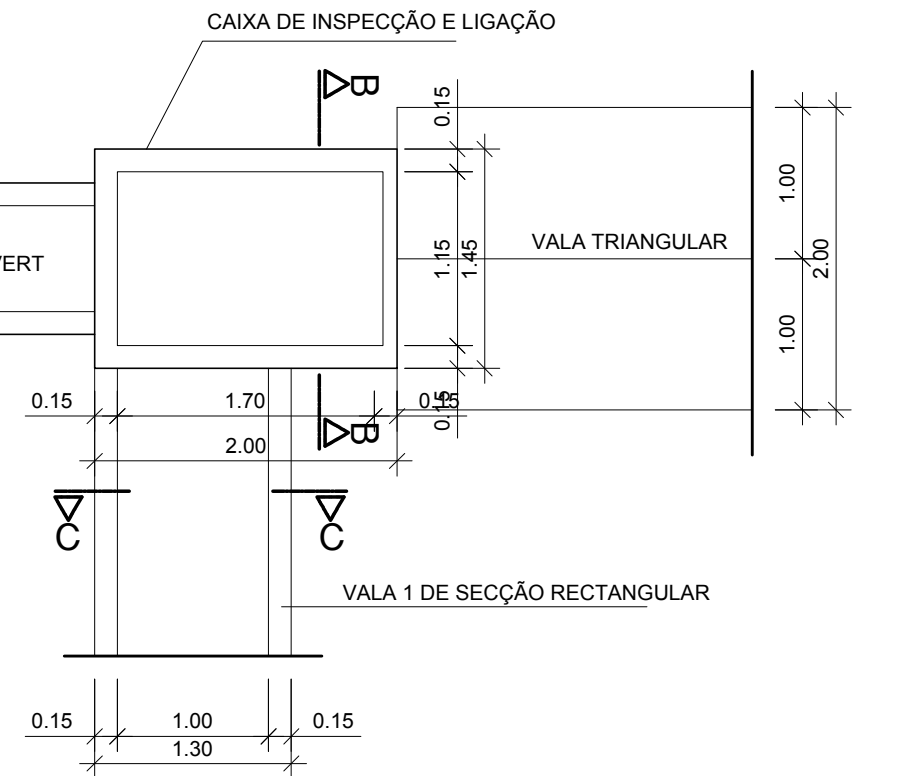
Ponto	X	Y
B1	570227.4748	7227983.8862
B2	570242.4610	7227934.0924
B3	570230.9700	7227930.6340
B4	570215.9840	7227980.4280



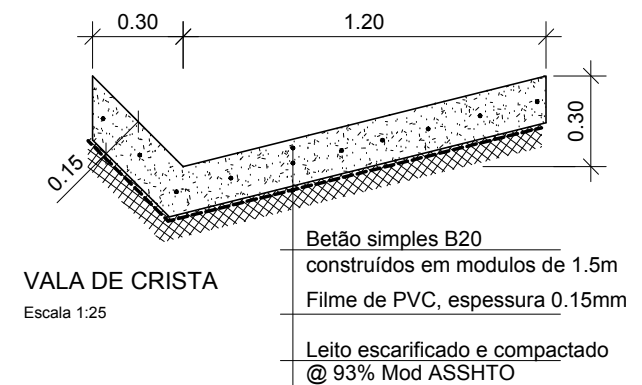
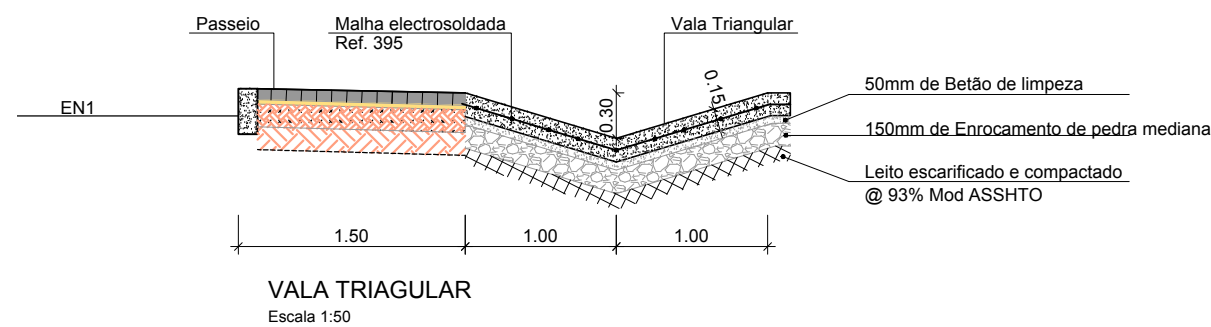
CORTE A-A
Escala 1:50

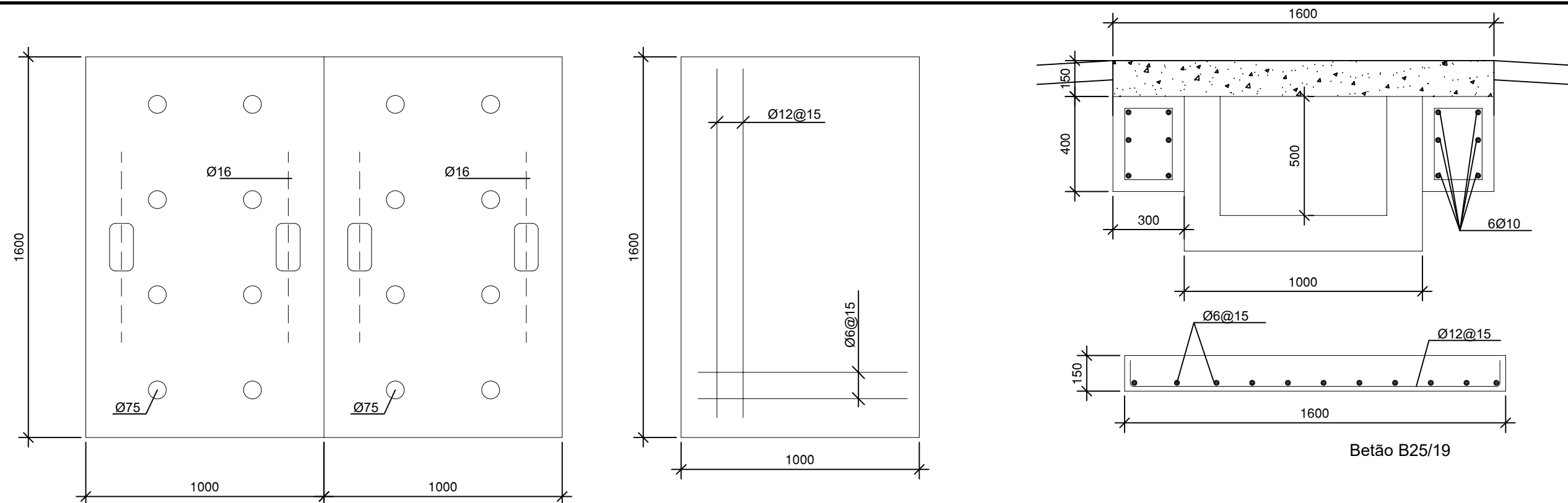


CORTE B-B
Escala 1:50

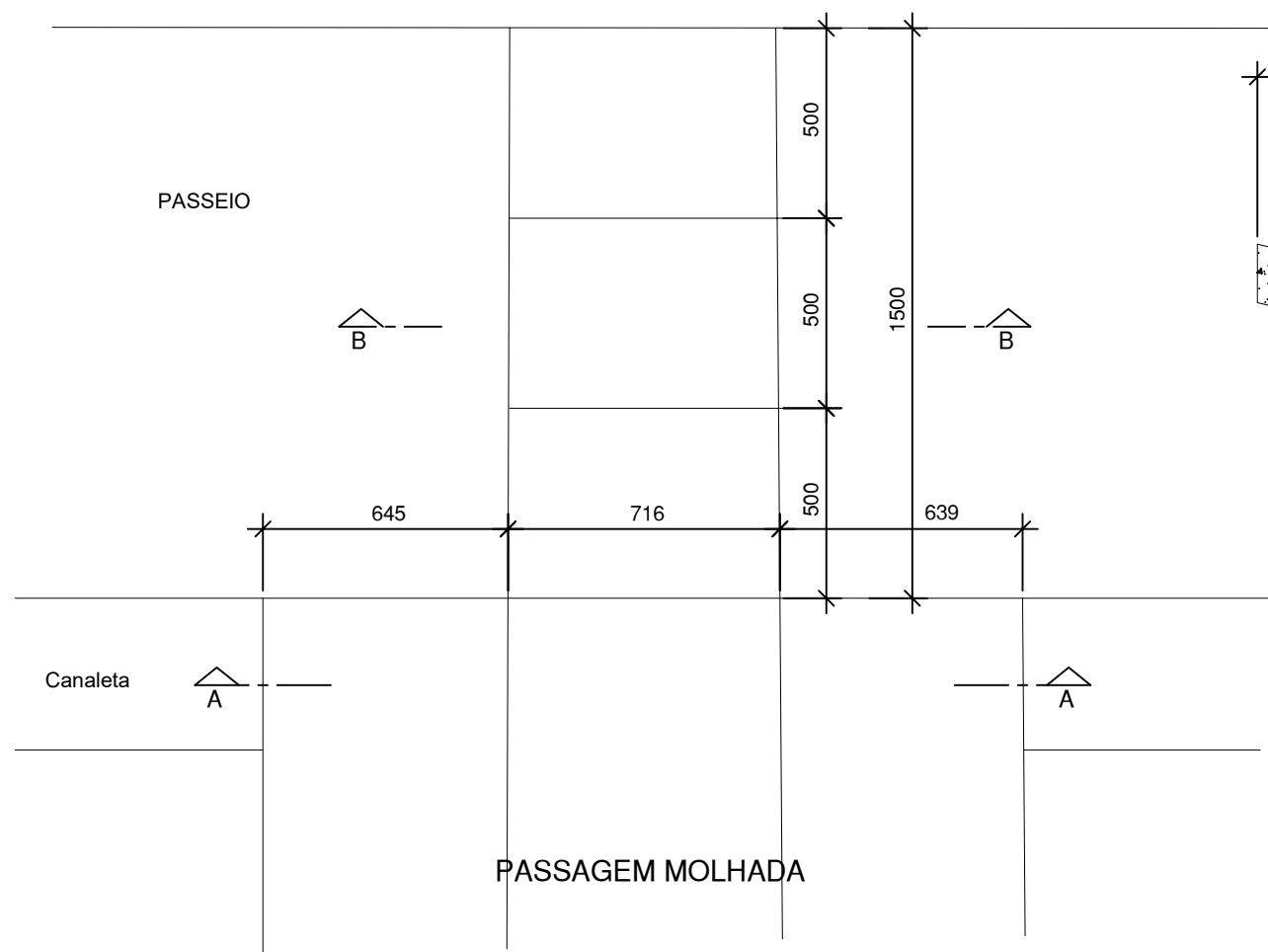


CORTE C-C
Escala 1:50

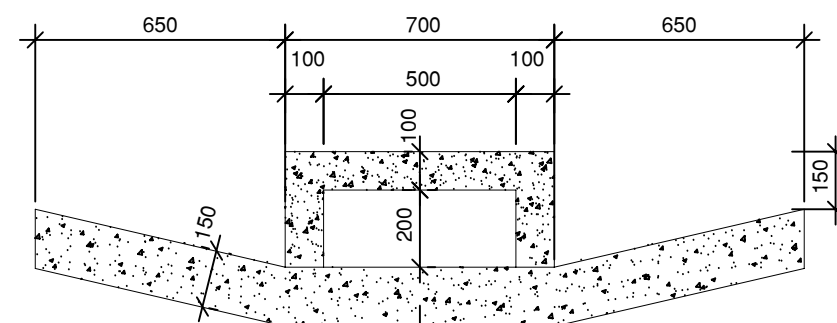




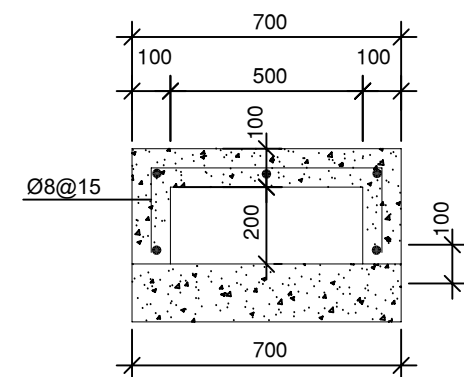
PORMENOR DAS TAMPAS SOBRE AS VALAS RECTANGULARES



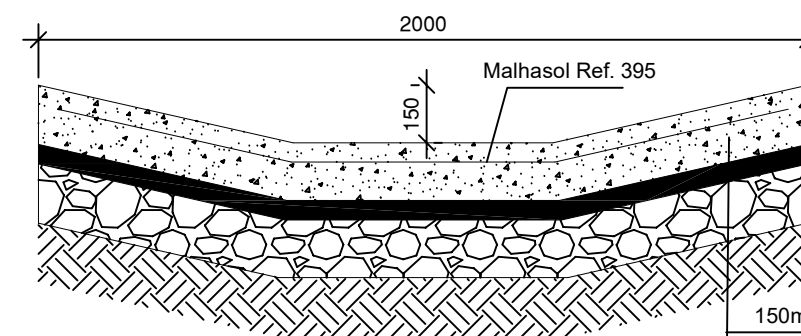
PORMENOR DA PASSAGEM MOLHADA E PASSAGEM SOB O PASSEIO



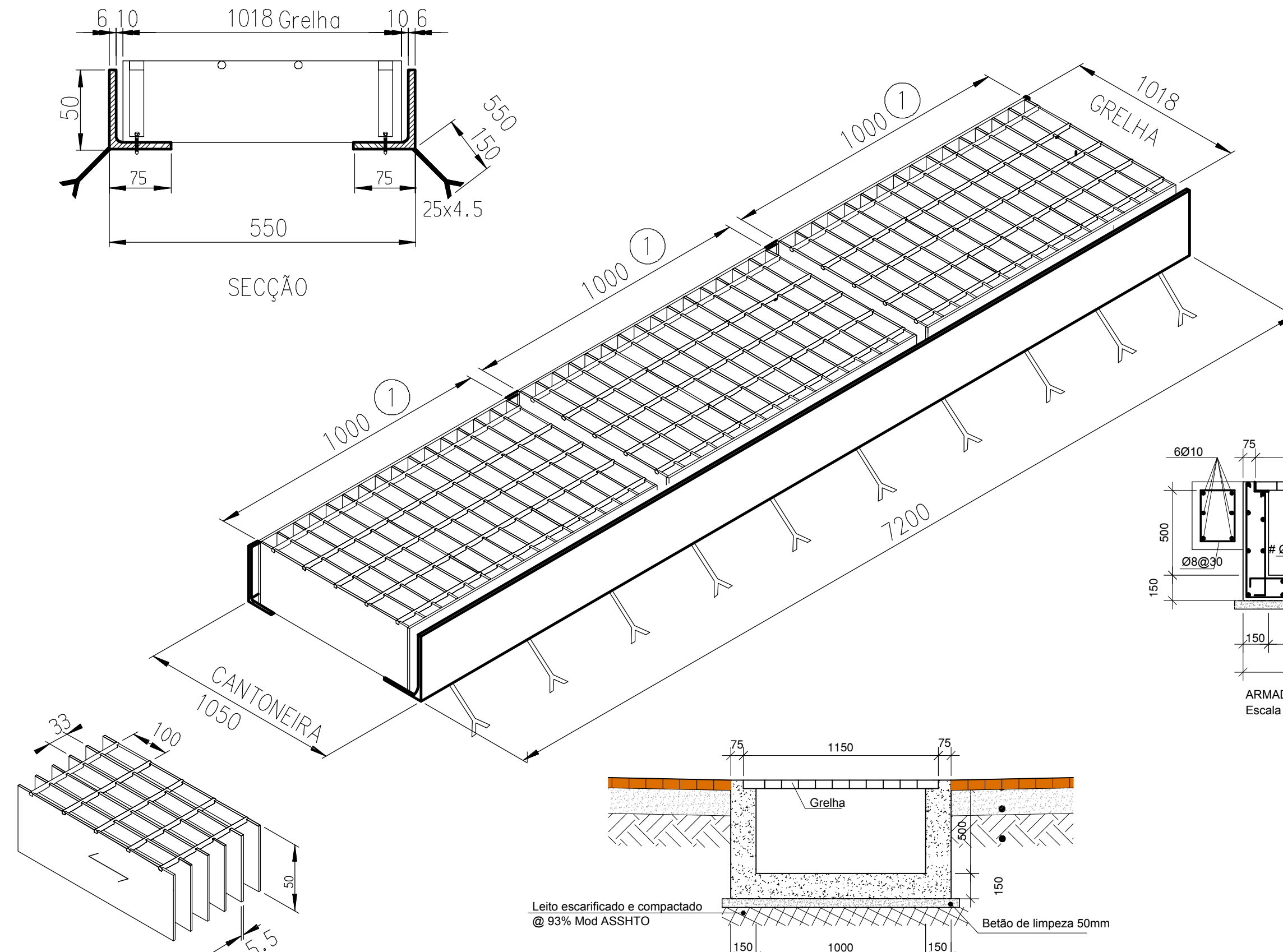
CORTE A-A



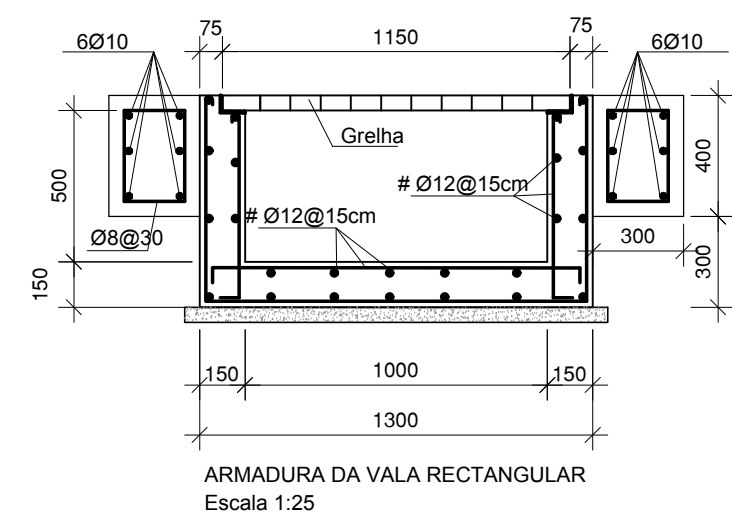
CORTE B-B



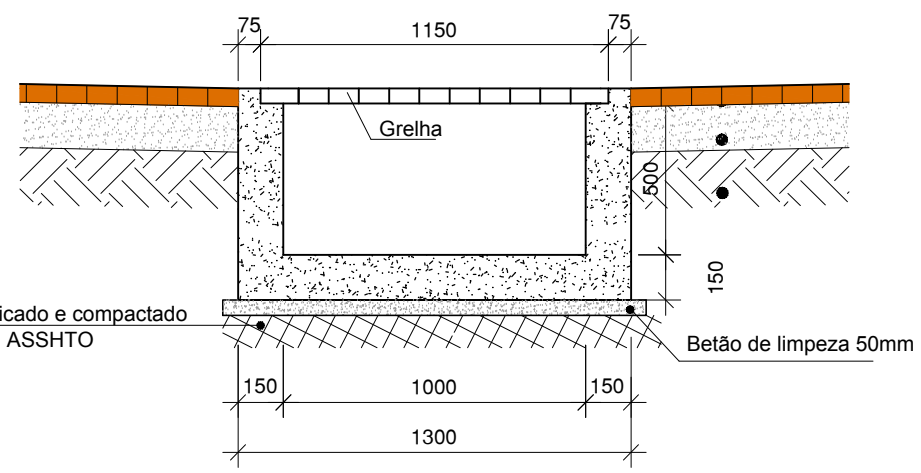
- 150mm betao B25
- 50mm betao de limpeza
- 150mm enrocamento com pedra mediana
- Leito da fundacao, compactado a 93% de densidade Mod AASHTO



GRELHA DA SECÇÃO (A100) 33x100



ARMADURA DA VALA RECTANGULAR
Escala 1:25



PORMENOR DA VALA RECTANGULAR
Escala 1:20



MAPUTO
AV. 25 DE SETEMBRO Nº 2526
TEL +258 21 322185
FAX +258 21 322186
EMAIL: tec@tec.co.mz
WWW.tec.co.mz

NAMPULA
AV. 25 DE SETEMBRO Nº 3 R/C
TEL +258 26 216684
FAX +258 26 216688
EMAIL: tecnp@tdm.co.mz

PEMBA
Rua DO CHAI Nº 1518 CARIACÓ
TEL +258 272 - 21977
FAX +258 272 - 20973
EMAIL: tecpmb@tdm.co.mz

QUELIMANE
Rua HERÓIS DA LIBERTAÇÃO NACIONAL Nº 309 1º ANDAR
TEL +258 24 215784
FAX +258 24 215784
EMAIL: tecqlm@tdm.co.mz

REV	DATA	DESIGNAÇÃO

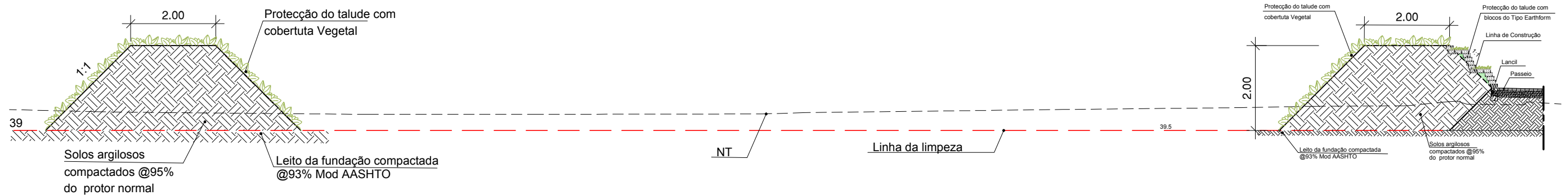
DATA PROJECTADO
DESENHADO
CALCULADO
APROVADO

Junho 2022
W. Monteiro
J. Pereira
W. Monteiro
K. Deus

CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

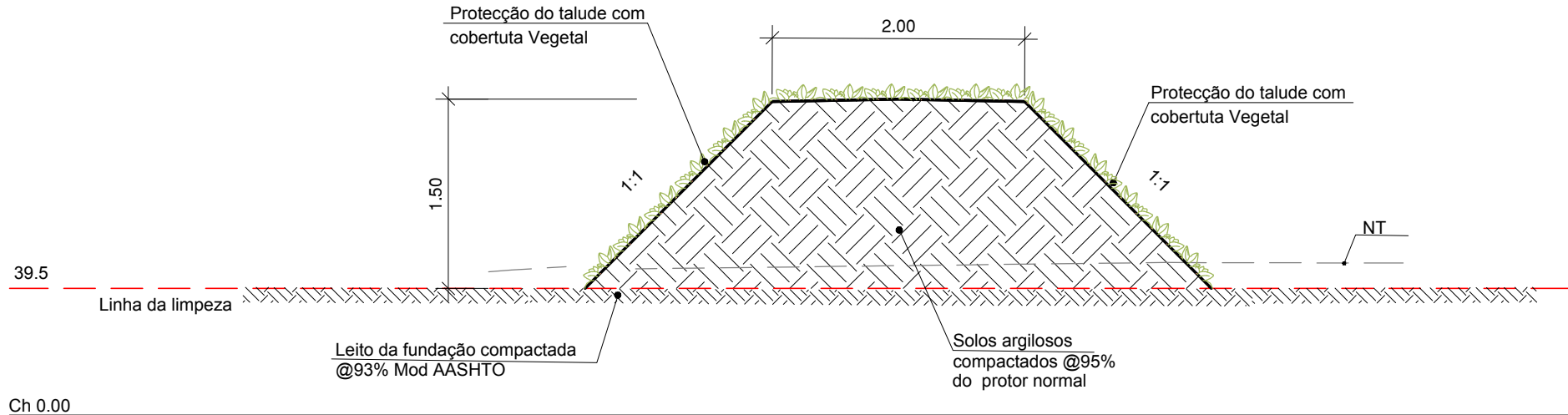
PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. PD-08
PROJECTO No. 907
ASSUNTO: DRENAGEM - PORMENOR DA GRELHA METÁLICA E DO AQUEDUTO
ESCALA: S/E

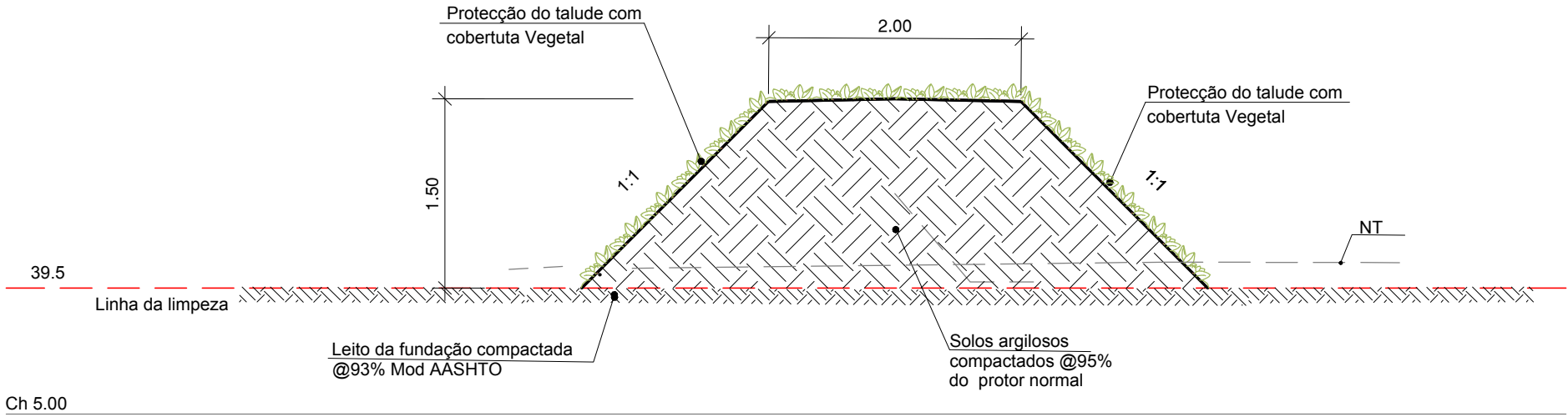
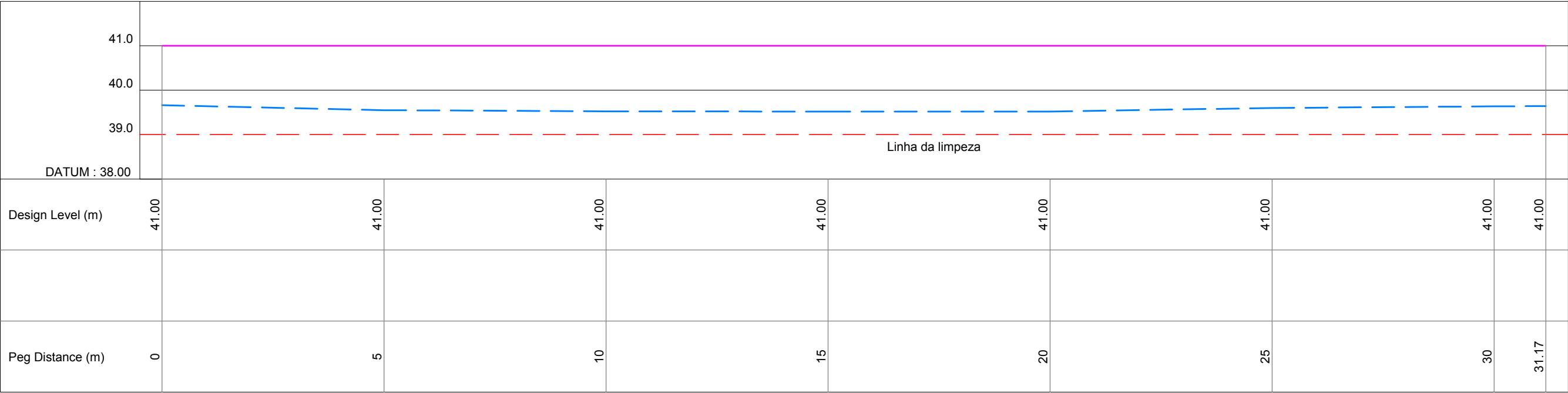


DIQUE NORTE

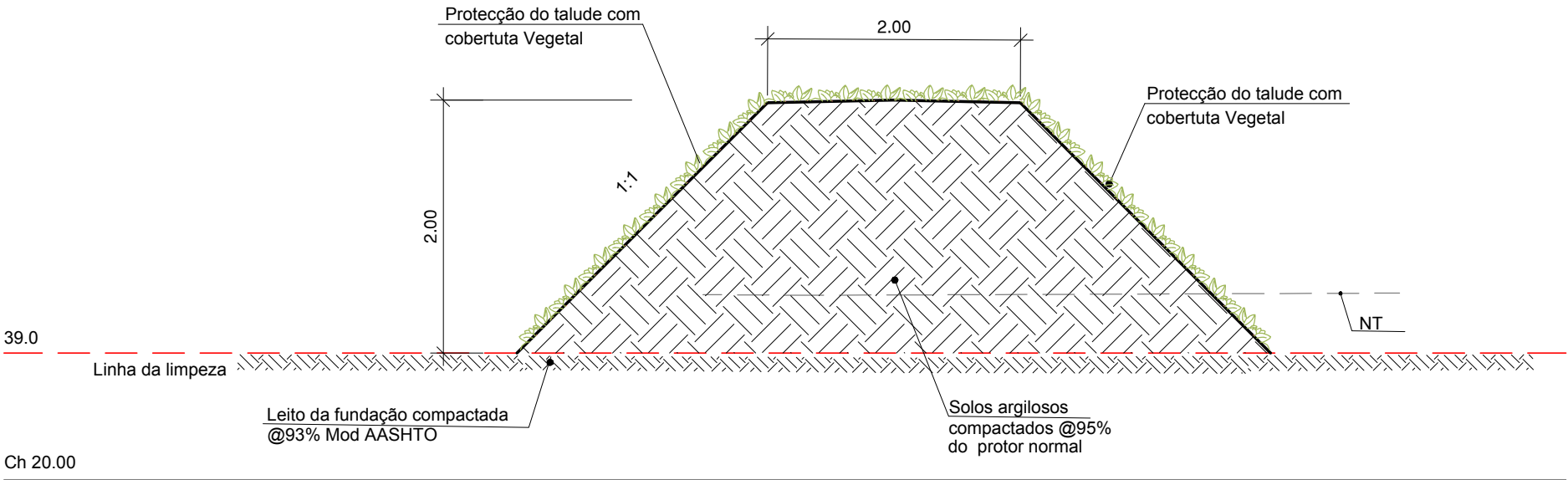
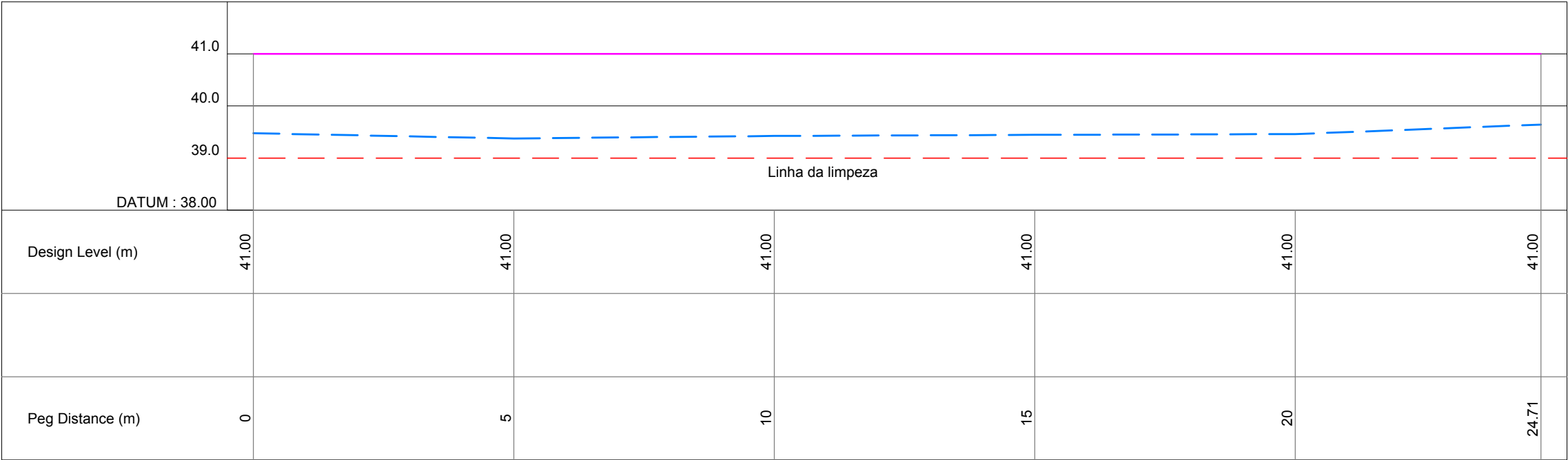
Design Level (m)	41.00	41.00	41.00	41.00	41.00	41.00	41.00
Peg Distance (m)	0	5	10	15	20	25	30
							31.24



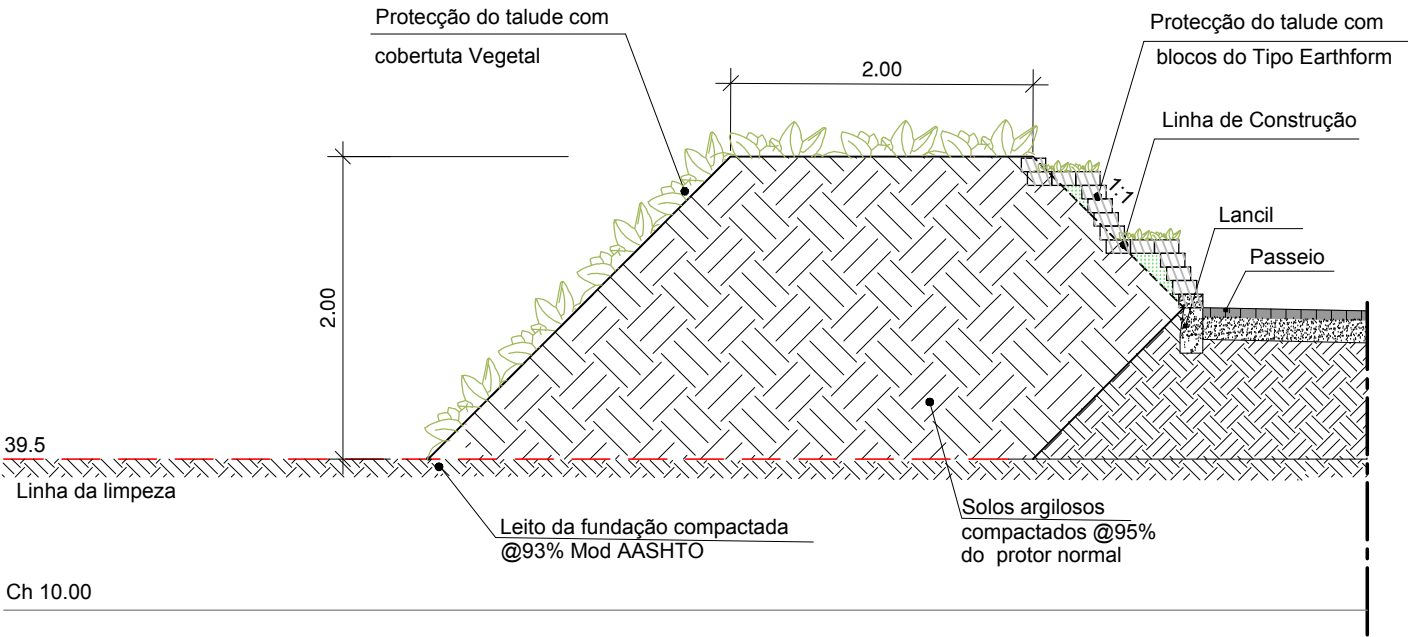
DIQUE SUL

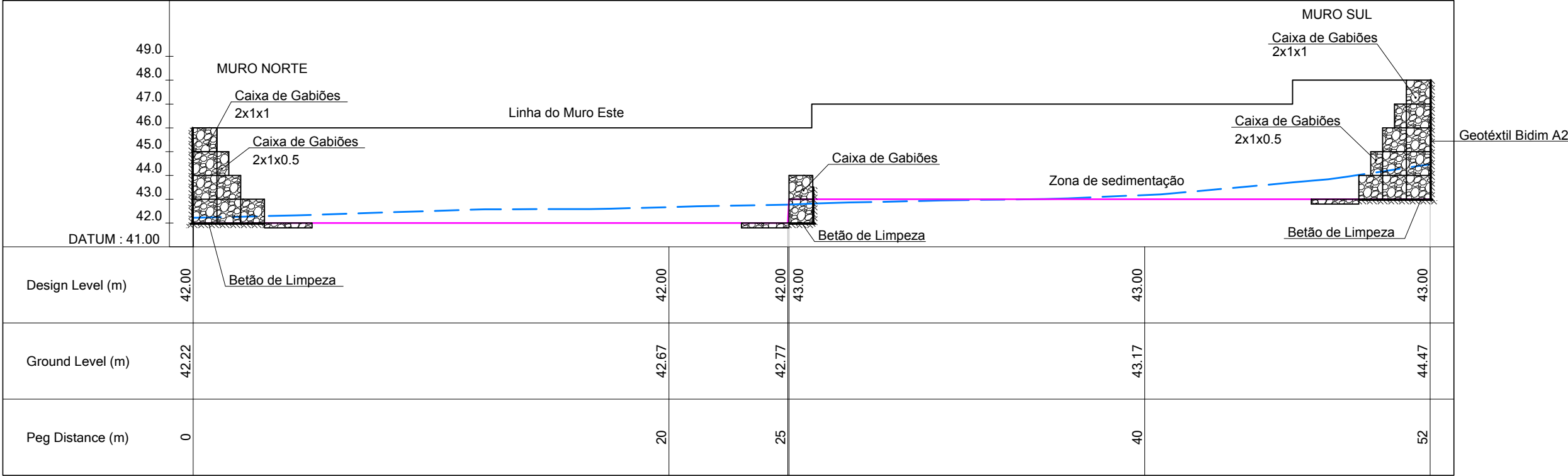


DIQUE ESTE



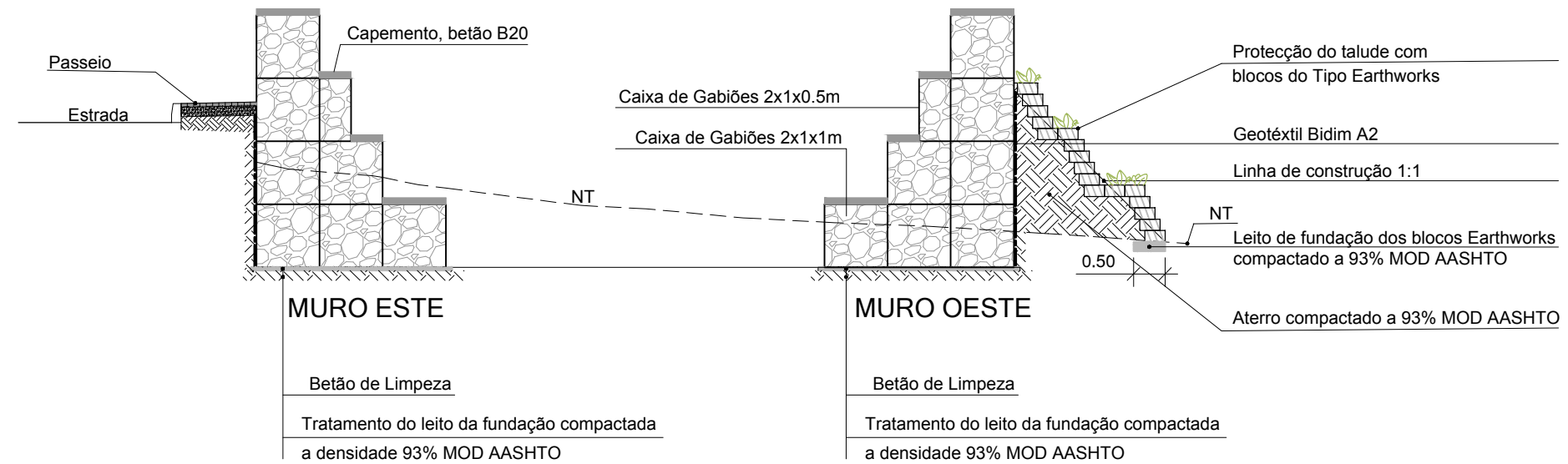
DIQUE OESTE



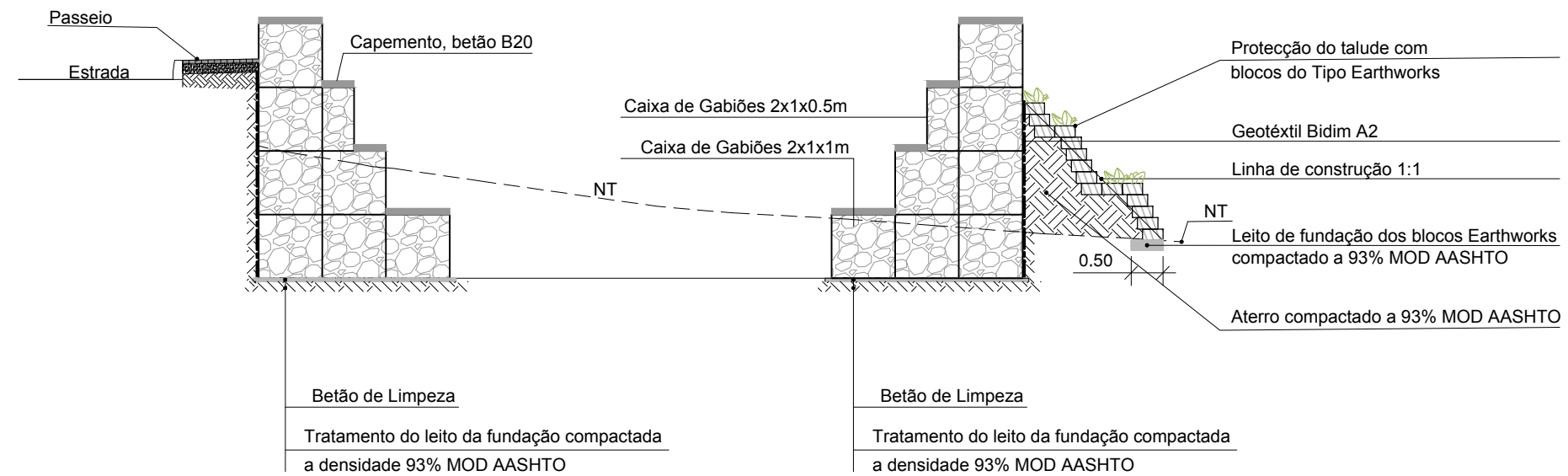


PERFIL LONGITUDINAL
Escala 1:200

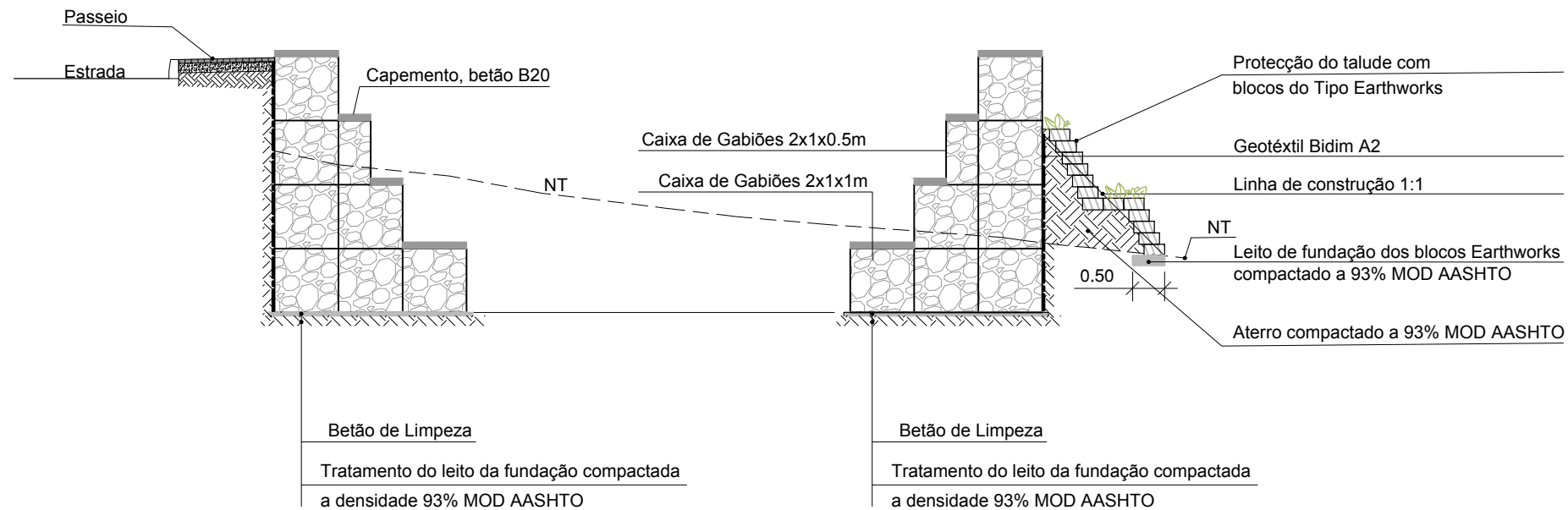
DRENAGEM - BACIA 2
PERFIL LONGITUDINAL - MURIS NORTE E SUL



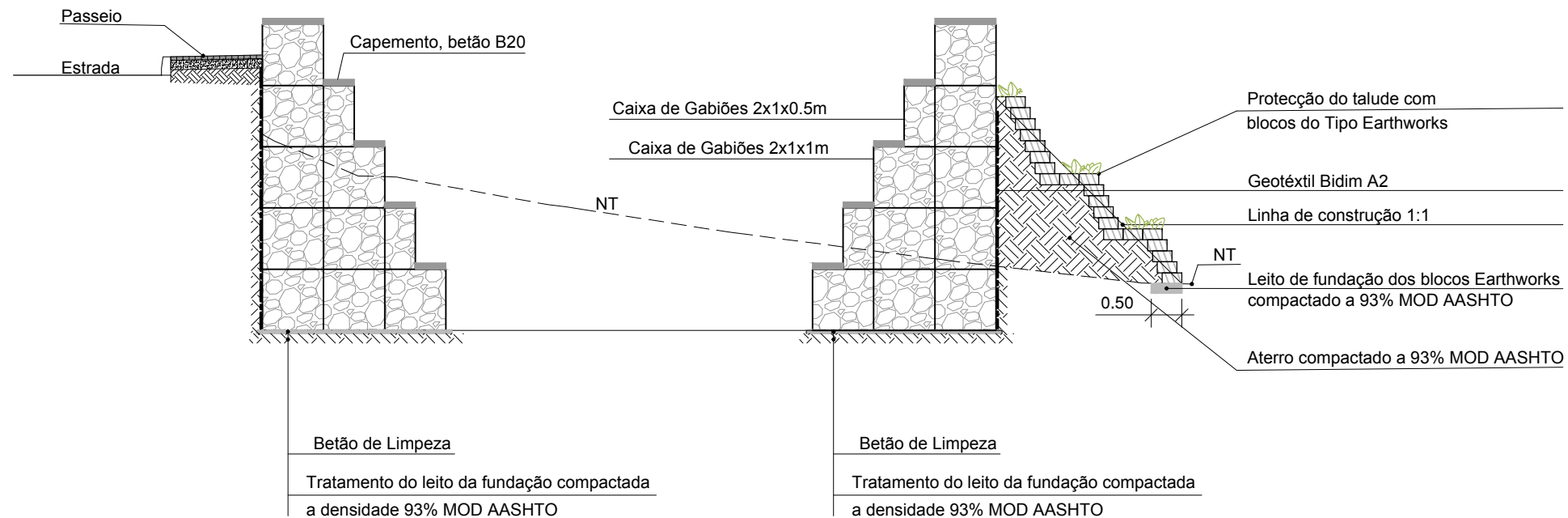
PERFIL TIPO - Km 0+820
(Ao longo da Bacia de Retenção 2)



PERFIL TIPO - Km 0+835
(Ao longo da Bacia de Retenção 2)

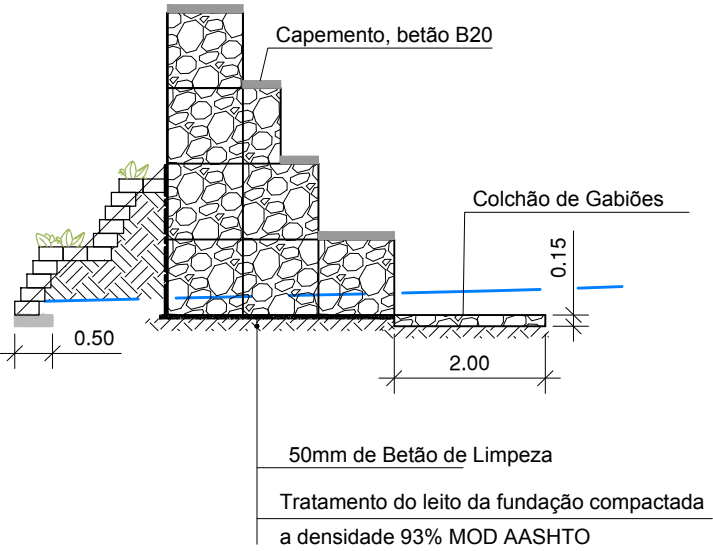


PERFIL TIPO - Km 0+840
(Ao longo da Bacia de Retenção 2)

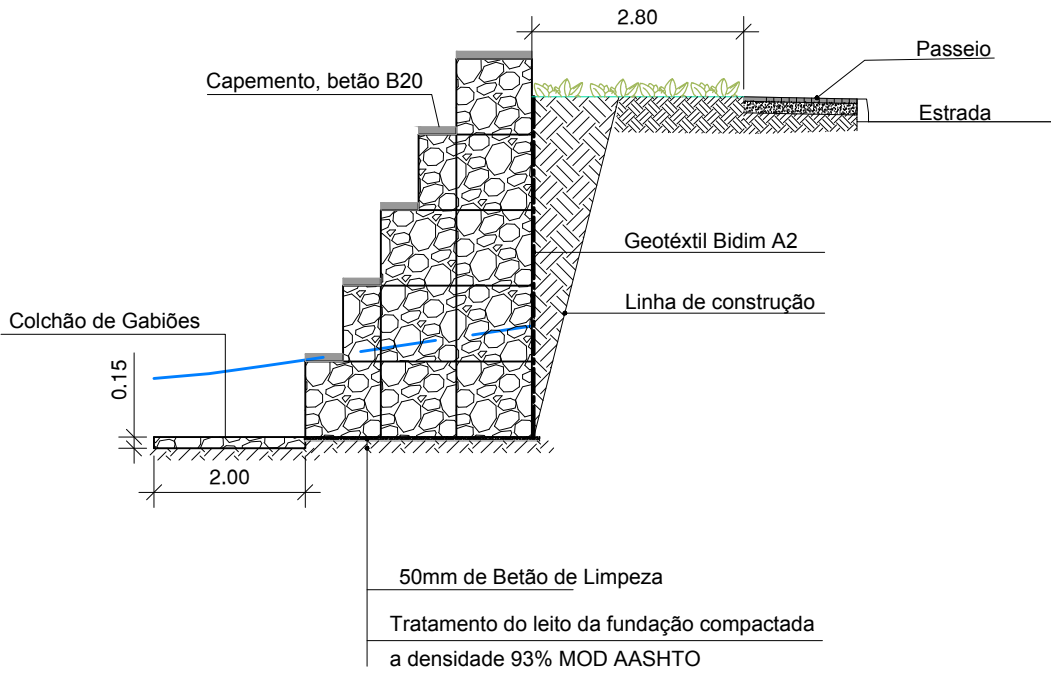


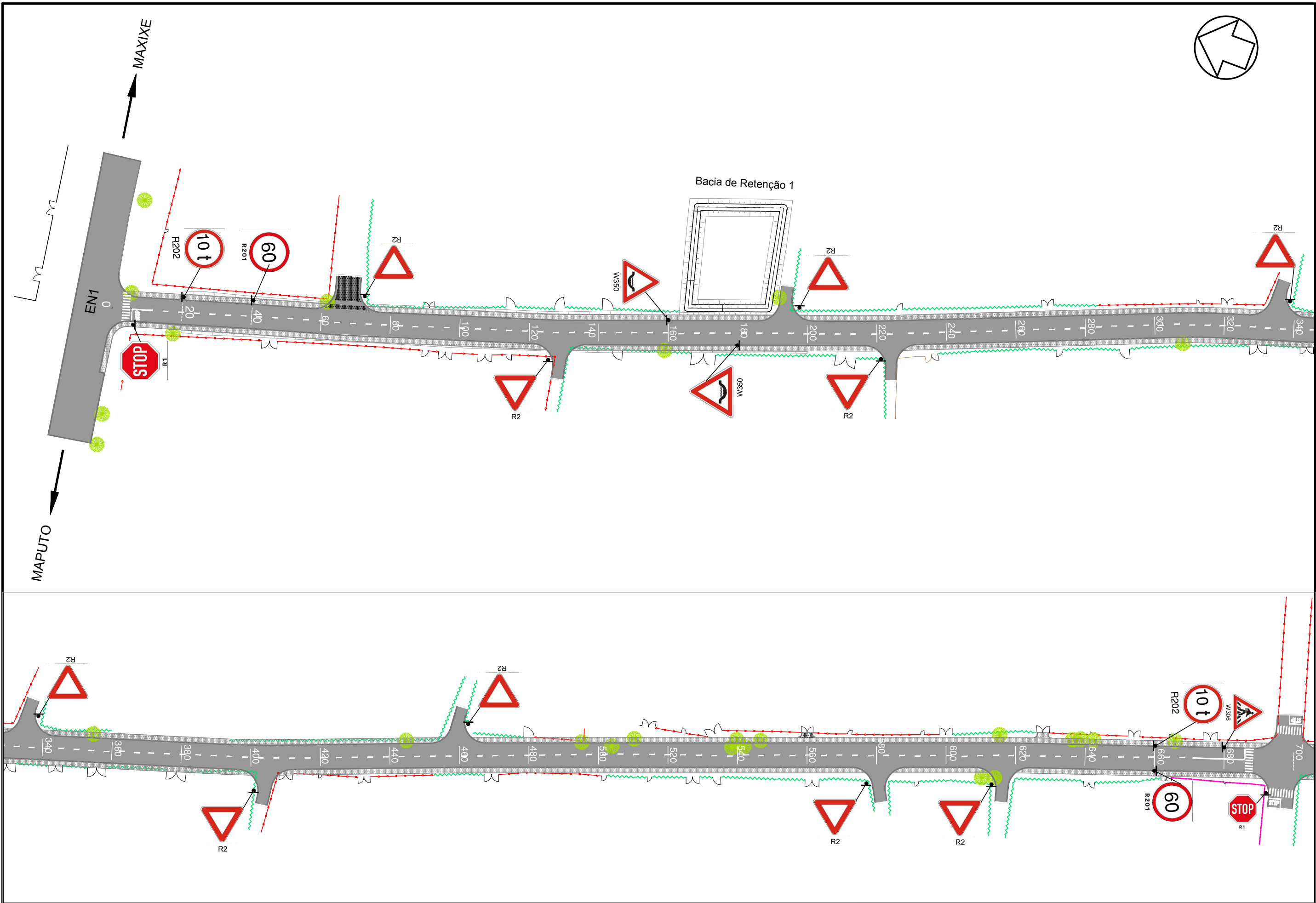
PERFIL TIPO - Km 0+860
(Ao longo da Bacia de Retenção 2)

MURO NORTE



MURO SUL





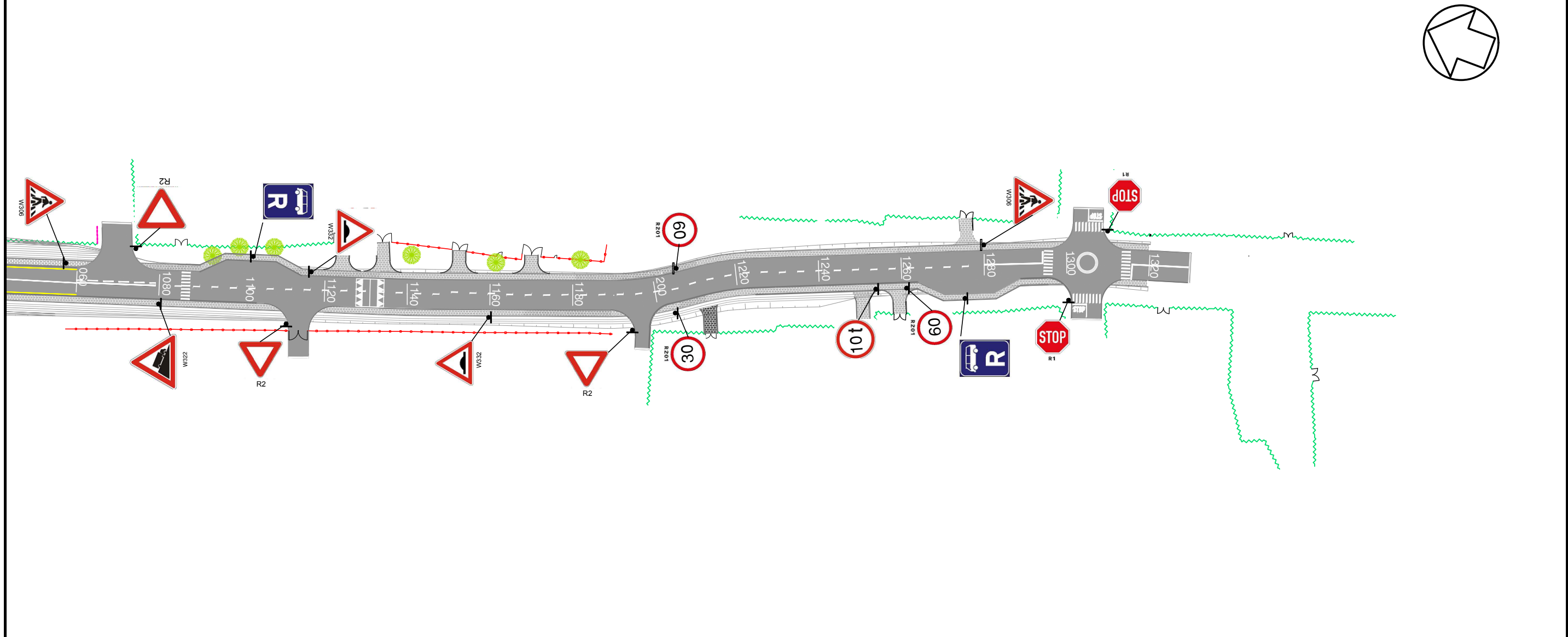
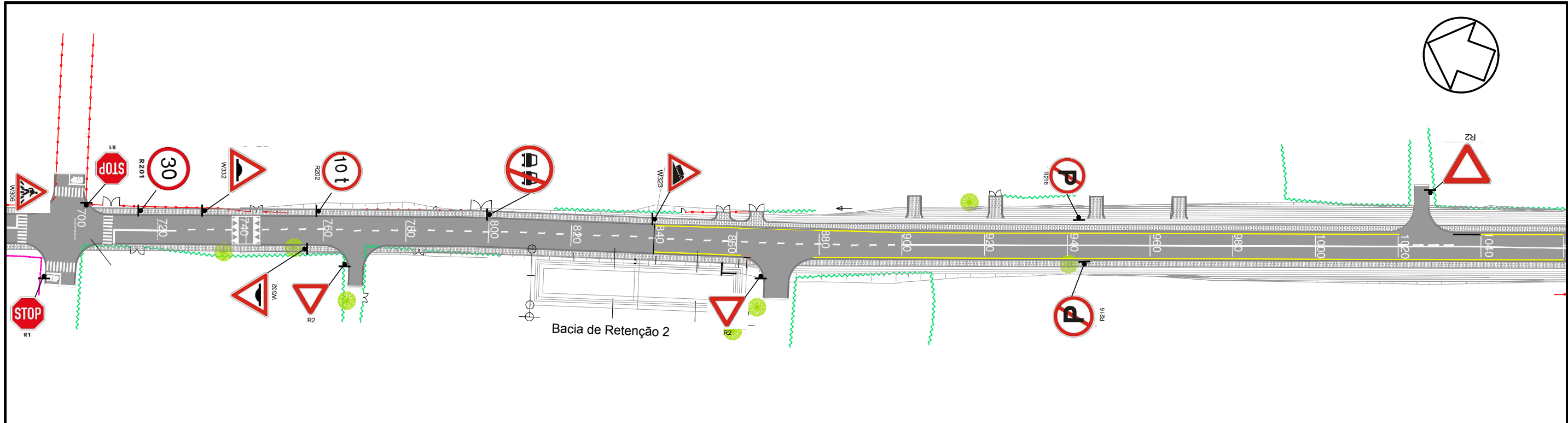
REV	DATA	DESIGNAÇÃO

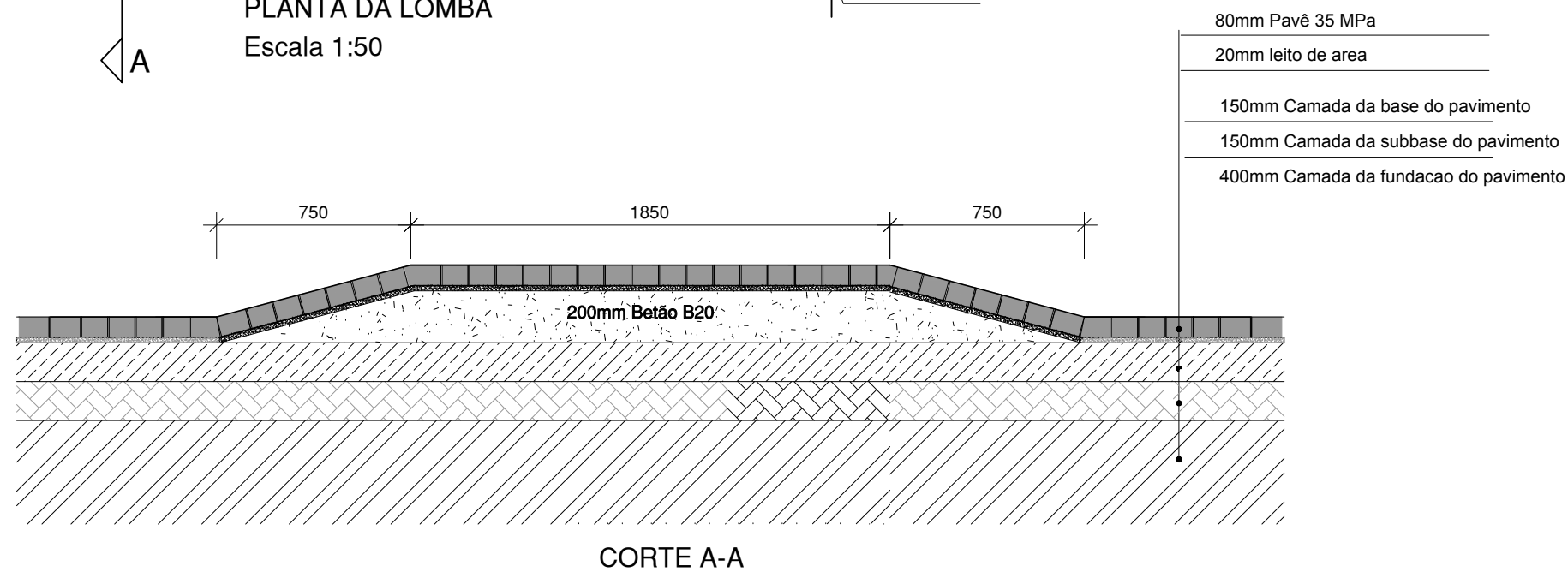
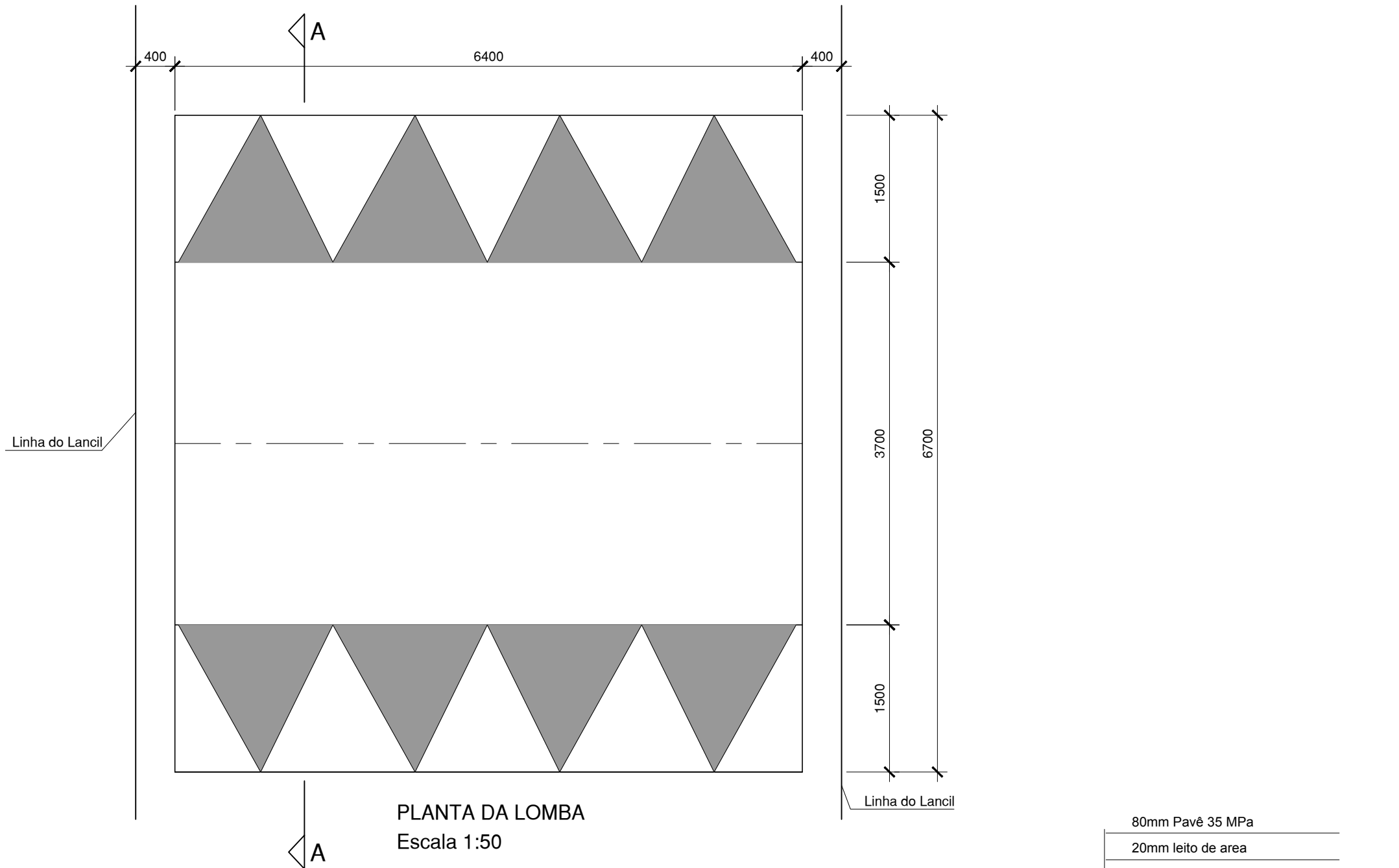
DATA: Junho 2022
PROJECTADO: W. Monteiro
DESENHADO: R. Pereira
CALCULADO: W. Monteiro
APROVADO: K. Deus

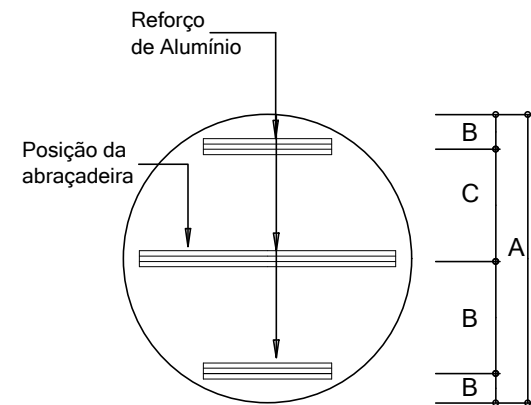
CLIENTE:  CONSELHO MUNICIPAL DA CIDADE DE XAI-XAI

PROJECTO: Elaboração de Estudos de Especialidade e Projecto Executivo
para a Pavimentação de 800m de Estrada (Sansão Muthemba / Vilanculos)

DESENHO No. SN-01
PROJECTO No. 907
ASSUNTO: SINALIZAÇÃO HORIZONTAL
E VERTICAL
KM 0+000 - KM 0+700
ESCALA: 1:1000

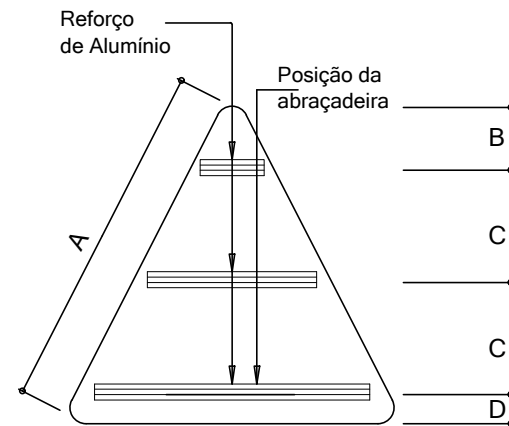






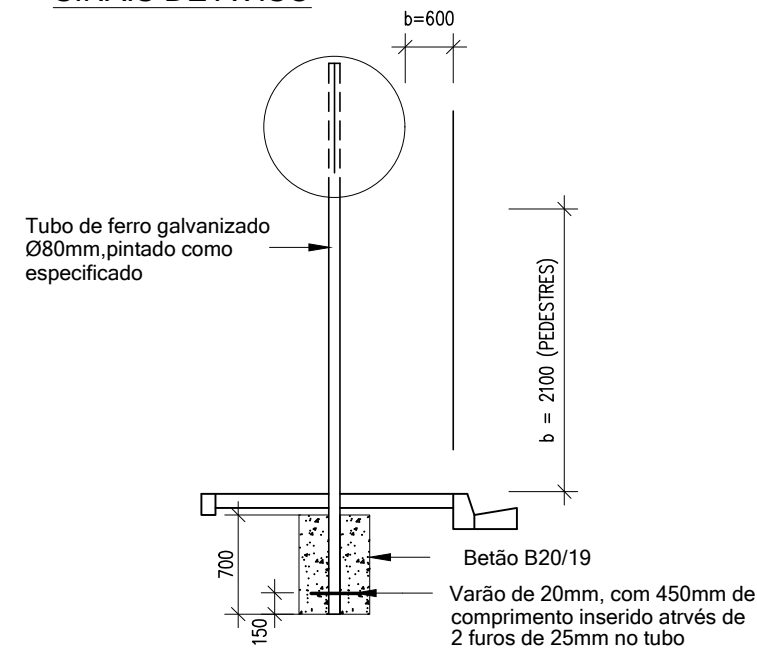
	A	B	C
	914	100	355

SINAIS DE PROIBIÇÃO

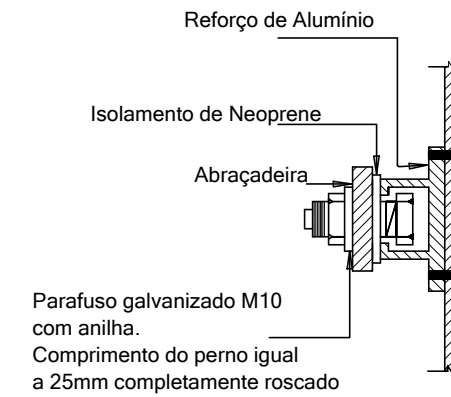
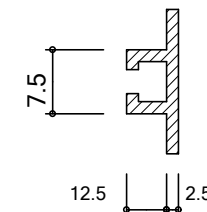
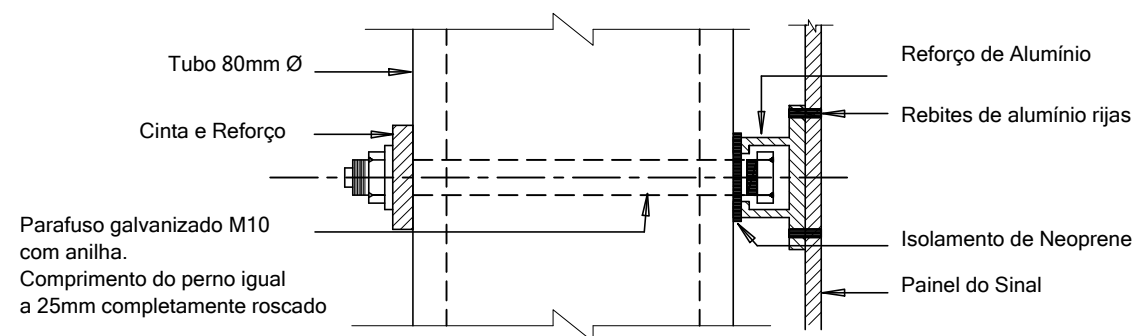


SPEED	A	B	C	D
50	914	100	310	50
80	1220	150	410	50

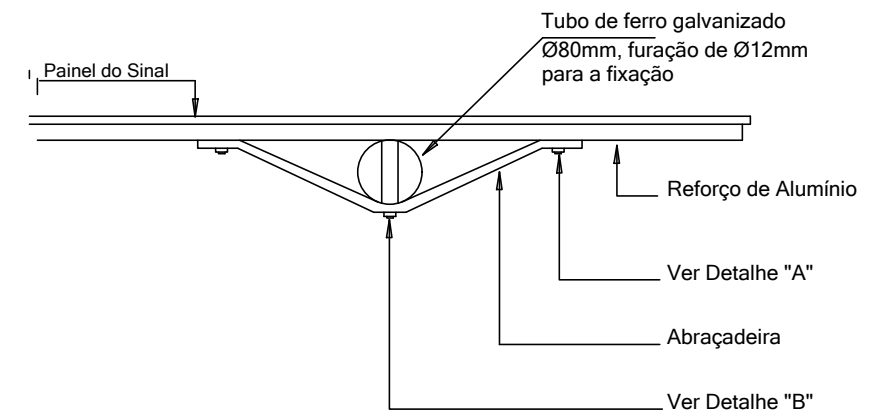
SINAIS DE AVISO



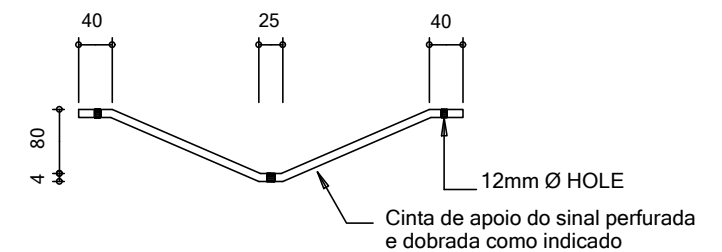
MONTAGEM ATRÁS DO LANCIL



DETALHE A



PORMENOR DE FIXAÇÃO DE SINAIS



DETALHE DE APOIO DO SINAL

NOTA:
Todas as medidas estão em (mm)