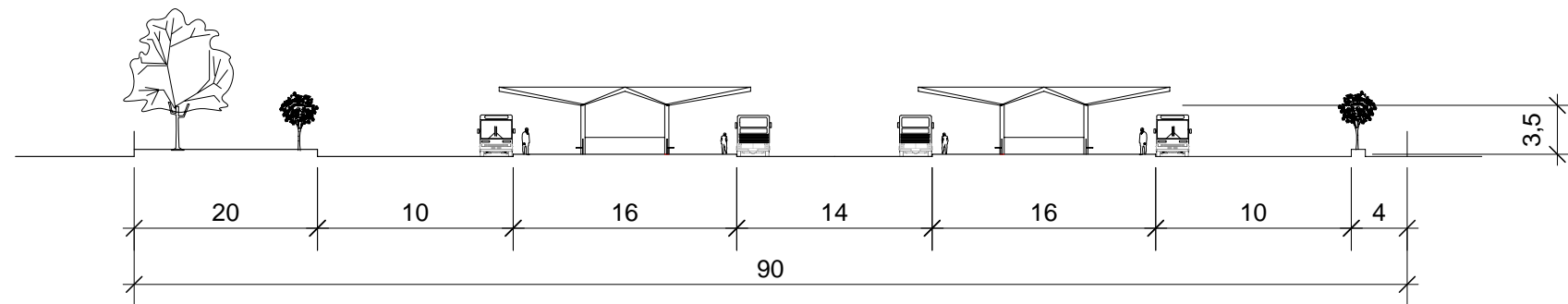
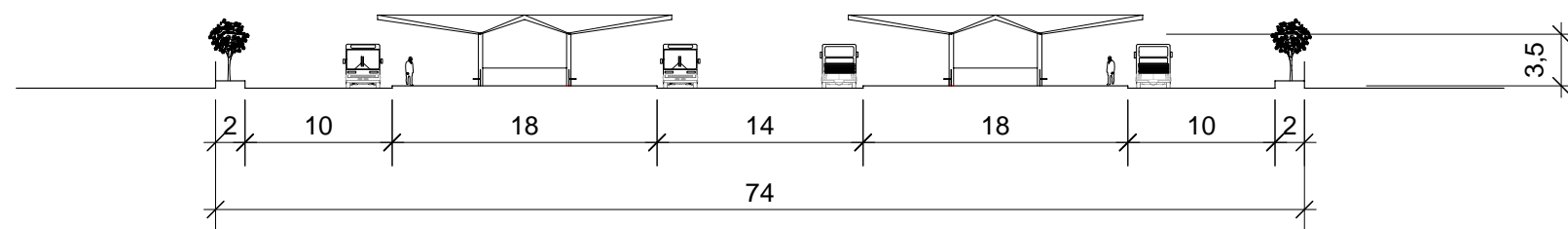


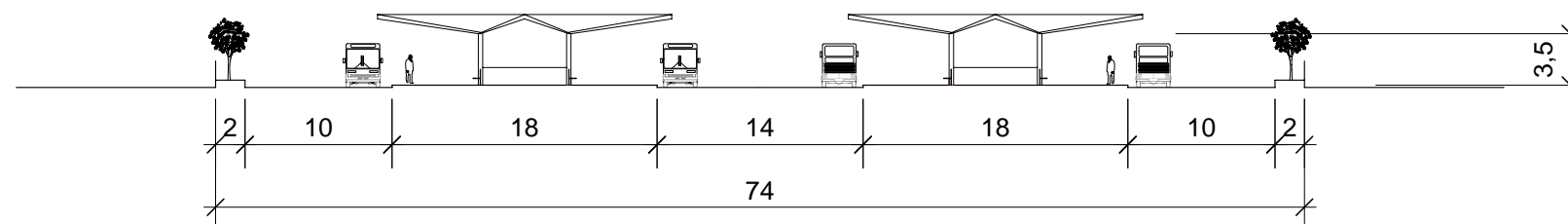
Seção da Plataforma de Embarque e Desembarque



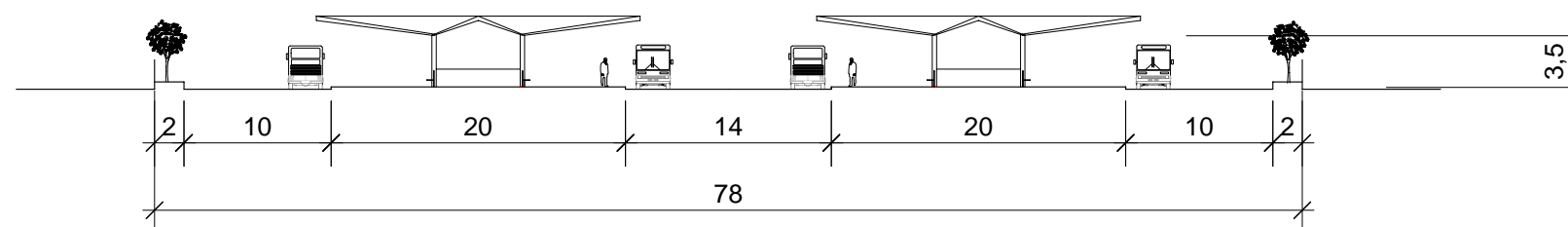
Terminal A - Icoaraci



Terminal B - Tapanã

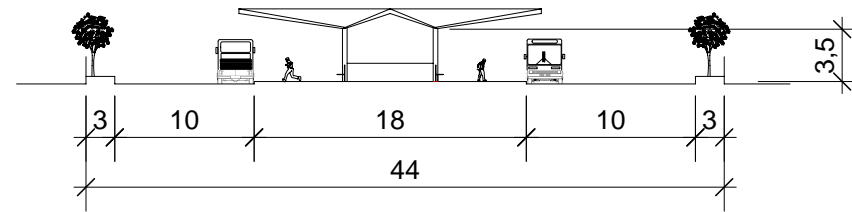


Terminal C - Mangueirão

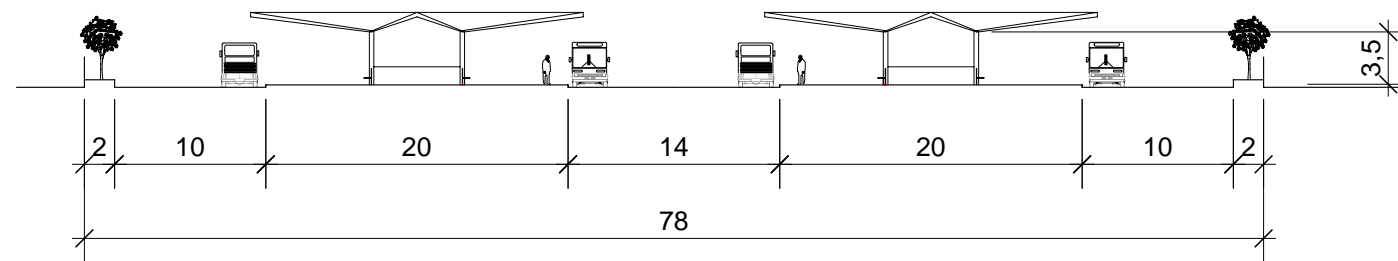


Terminal D - Coqueiro

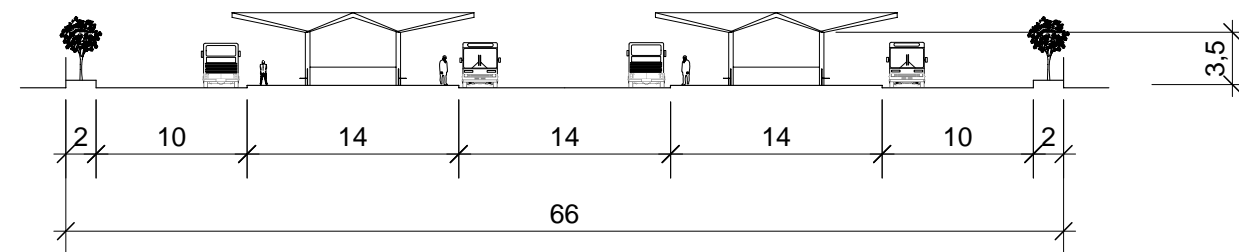
Seção da Plataforma de Embarque e Desembarque



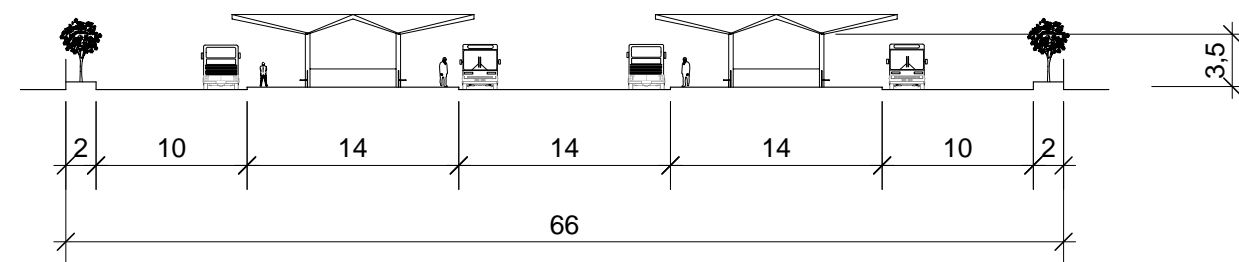
Terminal - E (Águas Lindas)



Terminal F - Marituba

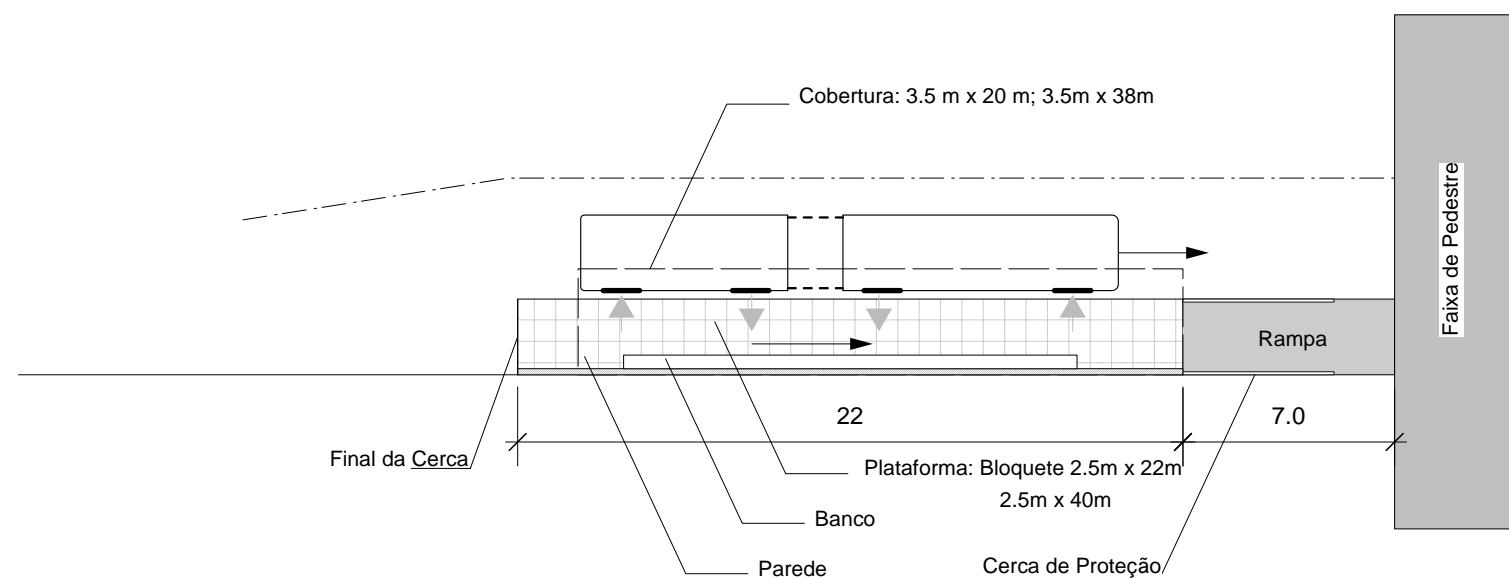


Terminal G - Avenida Independência - 1

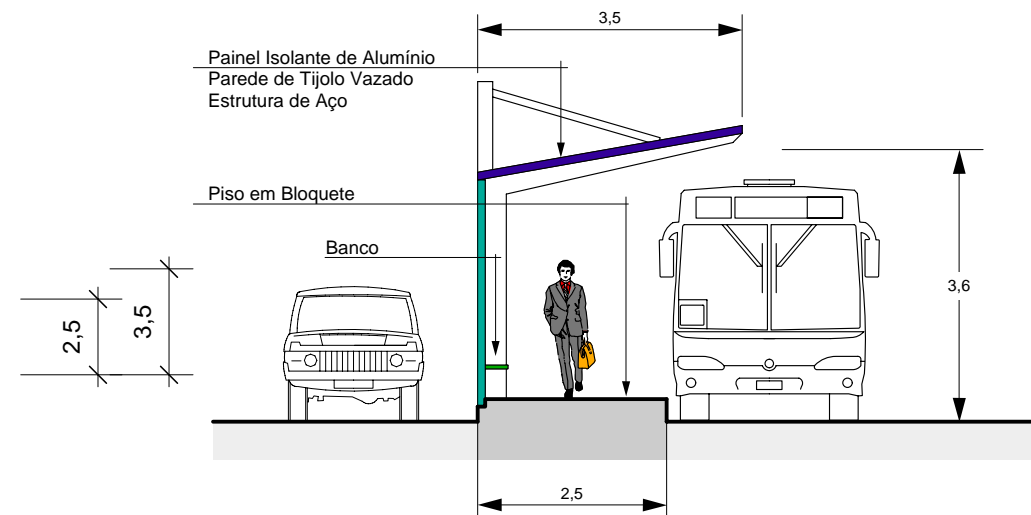


Terminal H - Avenida Independência - 2

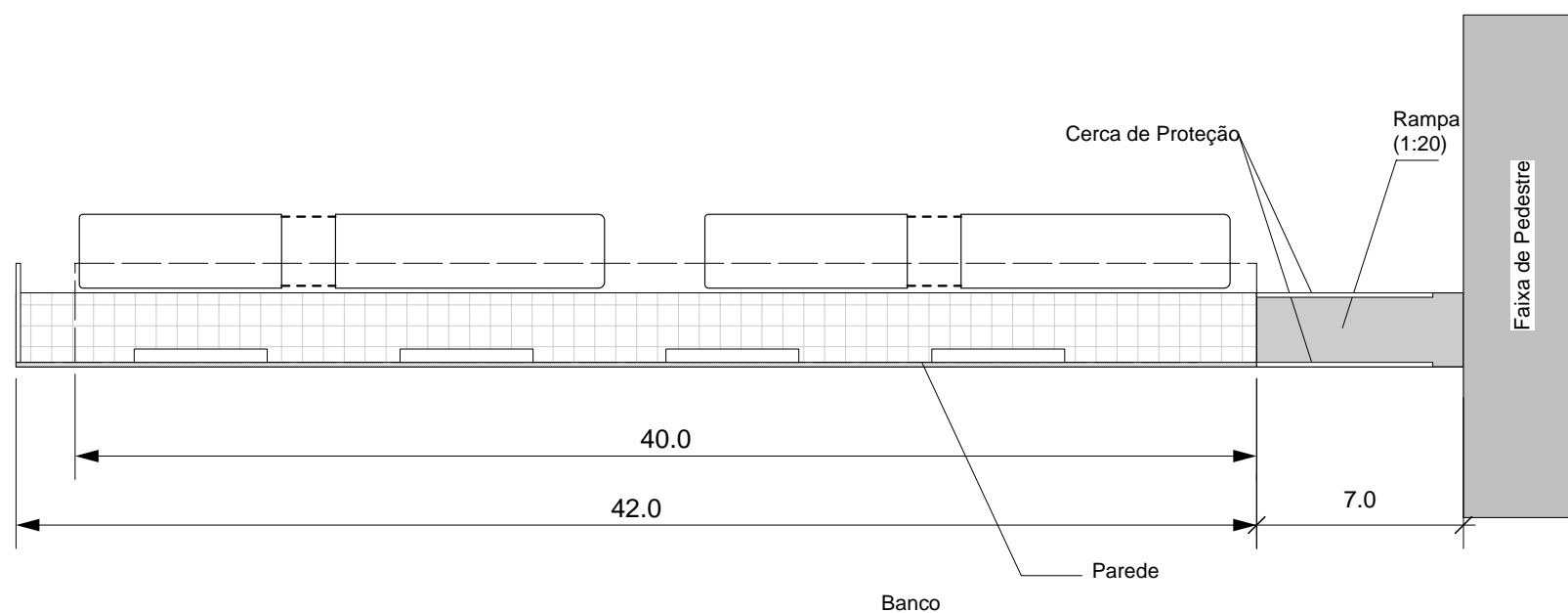
Ponto de Ônibus Tipo - 1



Planta do Ponto de Ônibus Tipo 1 (1 banco)
Escala 1 : 500

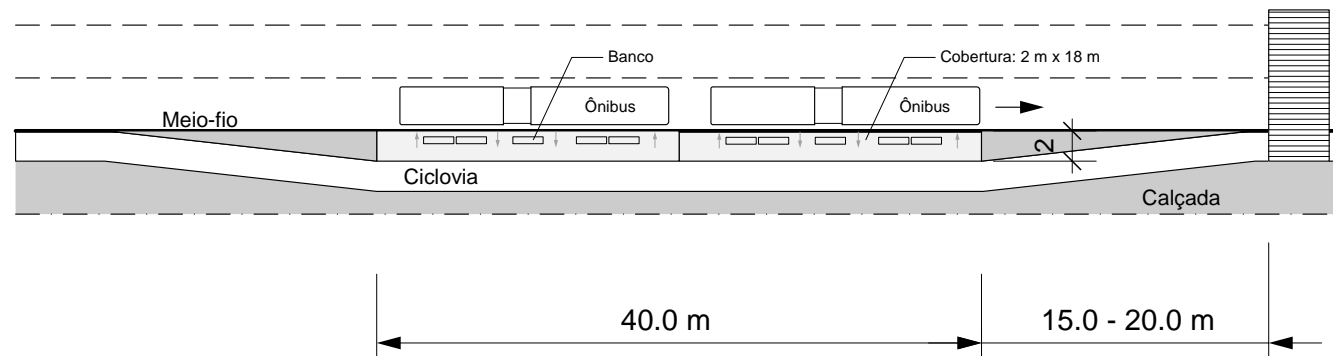


Seção do Ponto de Ônibus
Escala 1 : 100

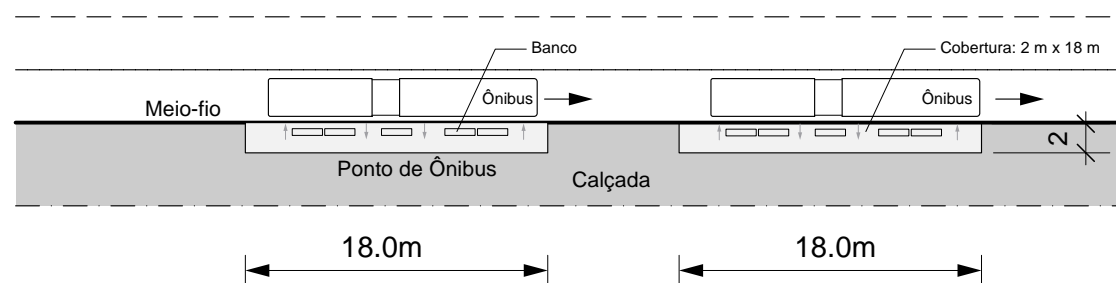


Planta do Ponto de Ônibus Tipo 1 (4 bancos)
Escala 1 : 500

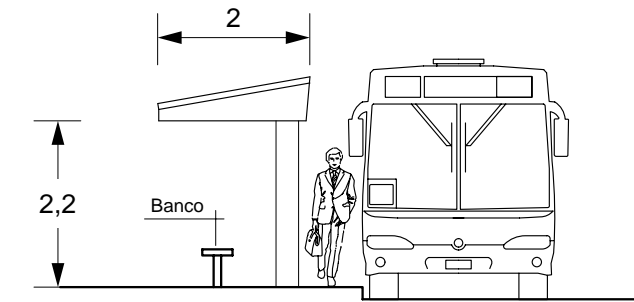
Ponto de Ônibus Tipo - 2 e Tipo 3



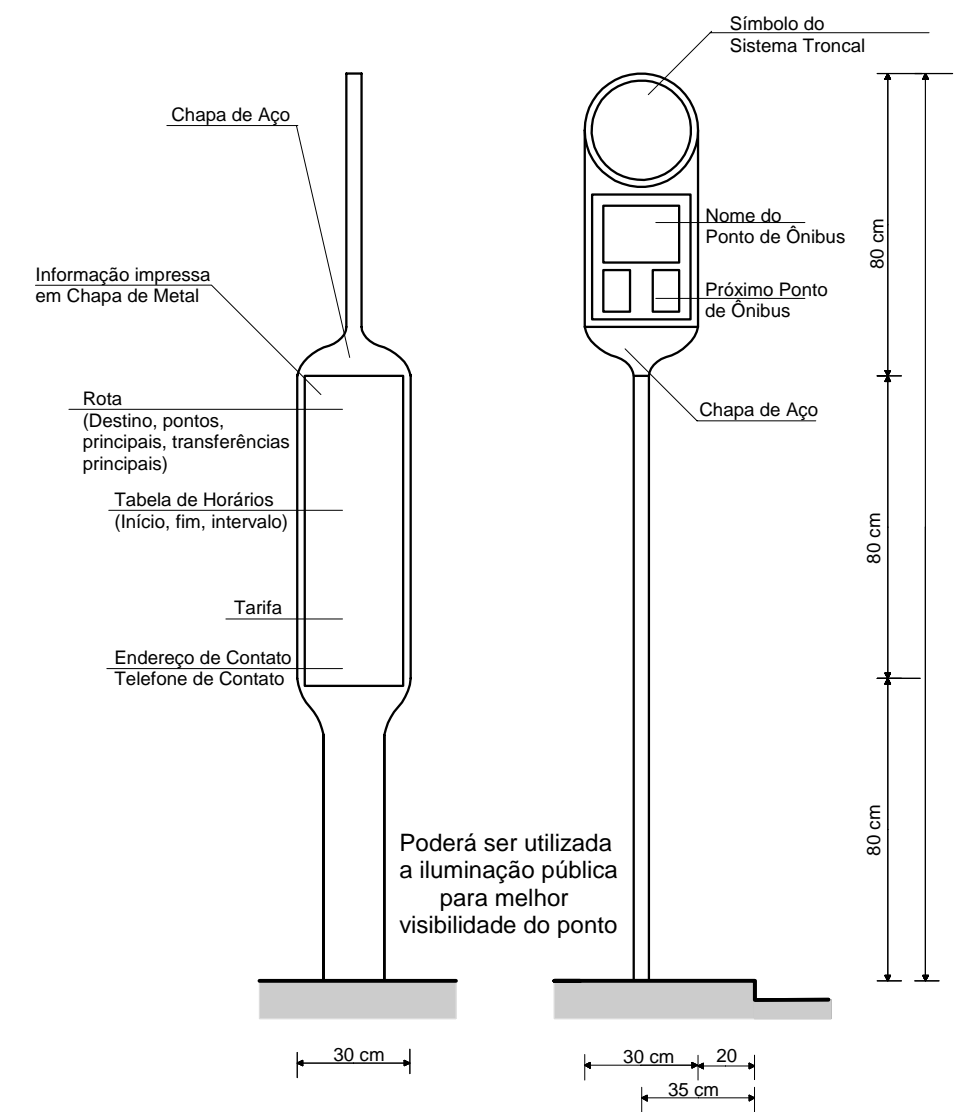
Planta do Ponto de Ônibus Tipo - 2 na Faixa Prioritária para Ônibus (Avenida Independência) - Escala 1 : 500



Planta do Ponto de Ônibus Tipo - 2 na Faixa Prioritária para Ônibus (Área Central) - Escala 1 : 500



Seção do Ponto de Ônibus Tipo - 2 Escala 1 : 100





Ponto de Ônibus Tipo - 3 - Escala 1 : 20

Parte V. Projeto Viário

Parte V. Projeto Viário	GOVERNO DO ESTADO DO PARÁ SECRETARIA ESPECIAL DE ESTADO DE INTEGRAÇÃO REGIONAL (SEIR)	AGÊNCIA DE COOPERAÇÃO INTERNACIONAL DO JAPÃO (JICA)	ESTUDO DE VIABILIDADE ECONÔMICA DE PROJETOS PARA O MELHORAMENTO DO SISTEMA DE TRANSPORTE NA REGIÃO METROPOLITANA DE BELÉM	
			DATA	DESENHO No.
			ESCALA S = 1 : 10,000	PÁGINA No. 89



Legenda:

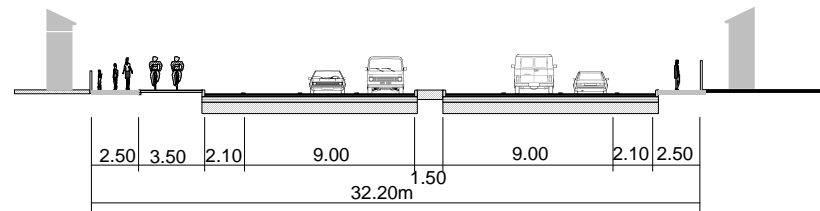
	Projeto Viário
	Outros Projetos

Projeto Viário

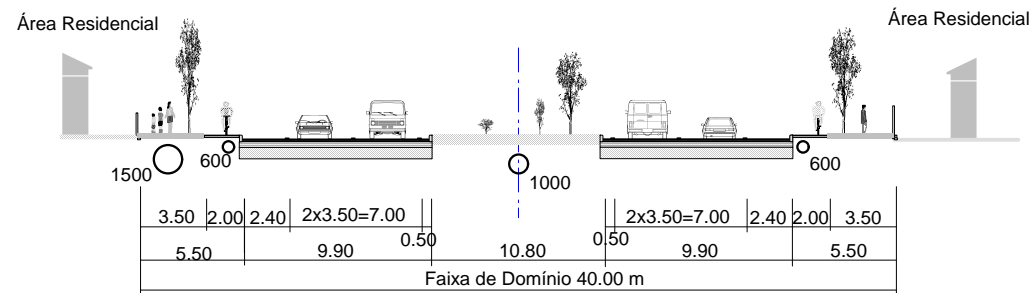
Seção Transversal - tipo (1/2)

Avenida Primeiro de Dezembro

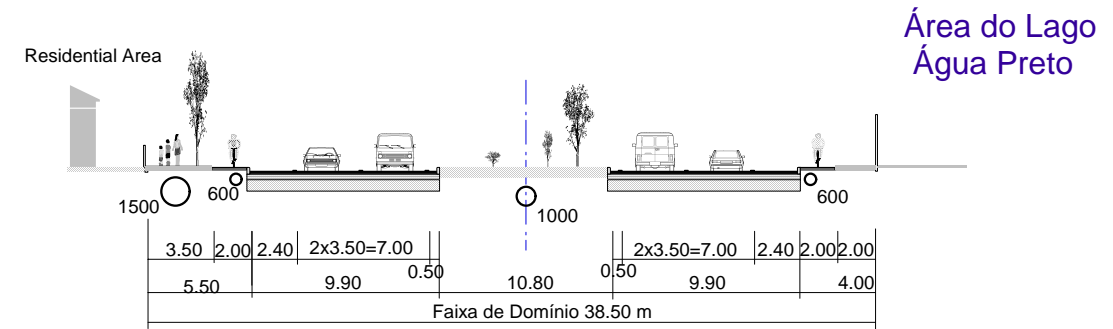
Existente (Em Construção)



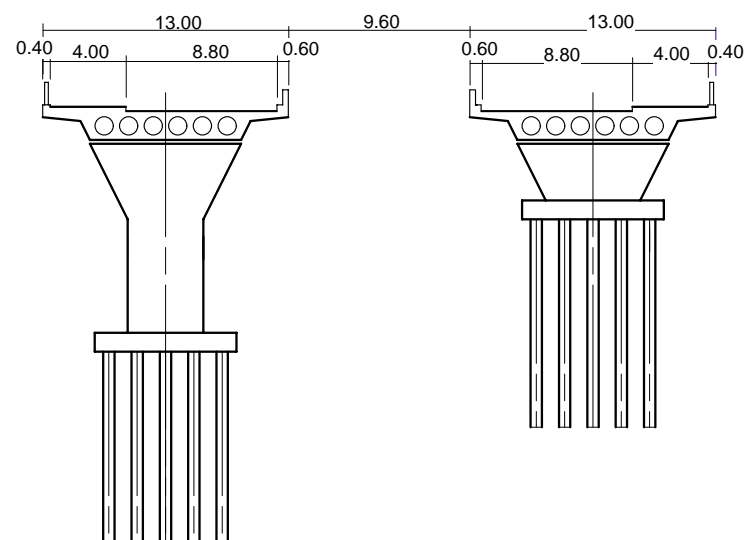
Proposta - Seção Tipo - A



Proposta - seção Tipo - B



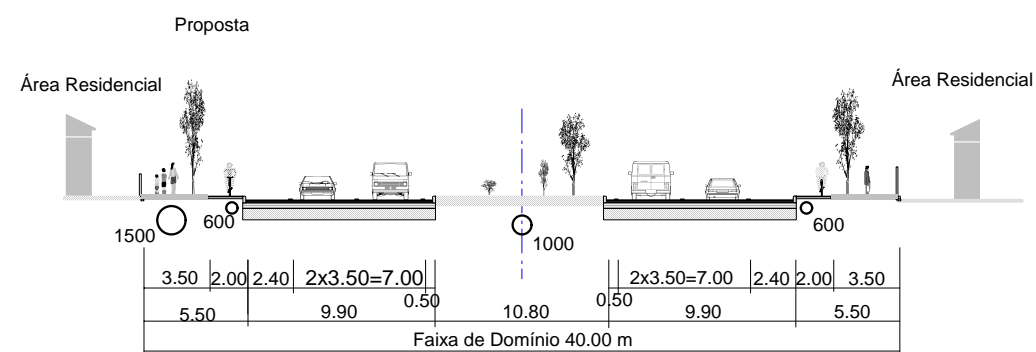
Proposta - Seção Tipo de Ponte



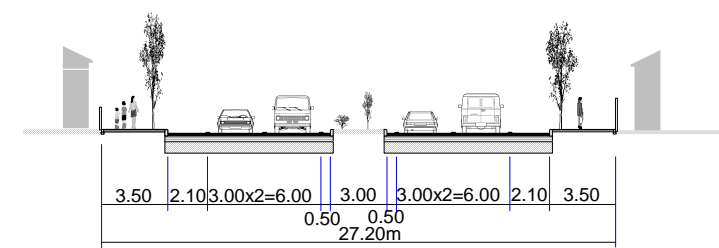
Projeto Viário

Seção Transversal - tipo (2/2)

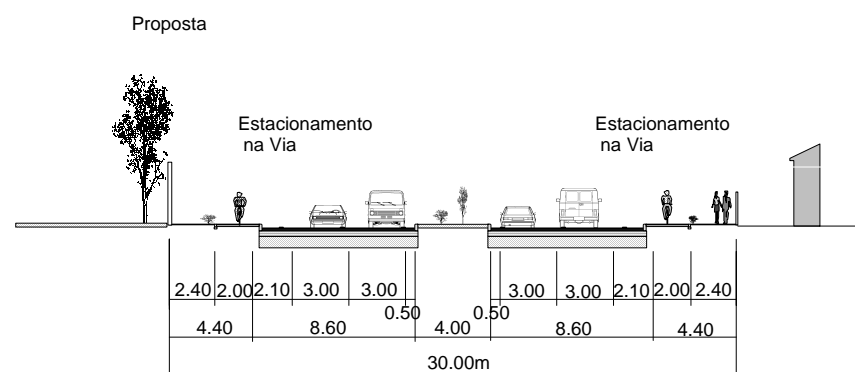
Avenida Mário Covas - Prolongamento

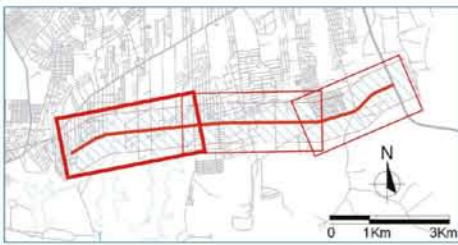


Rua Yamada



Rua da Marinha

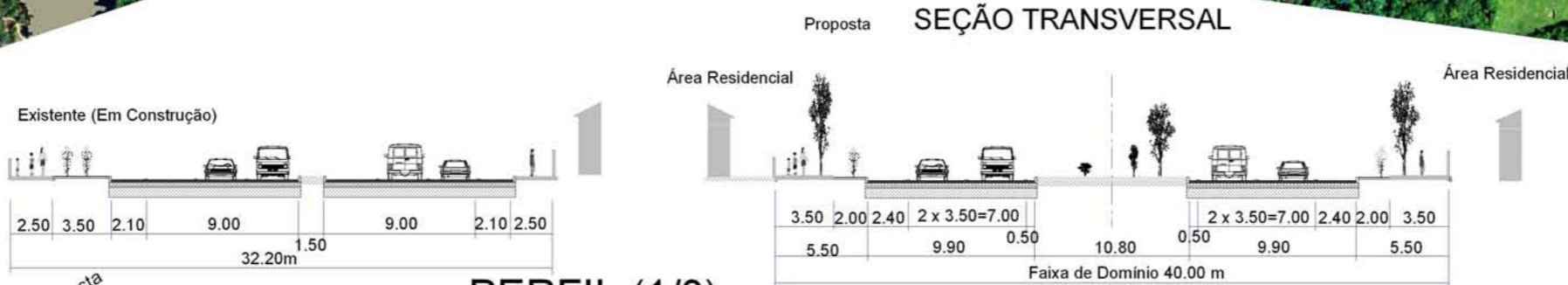
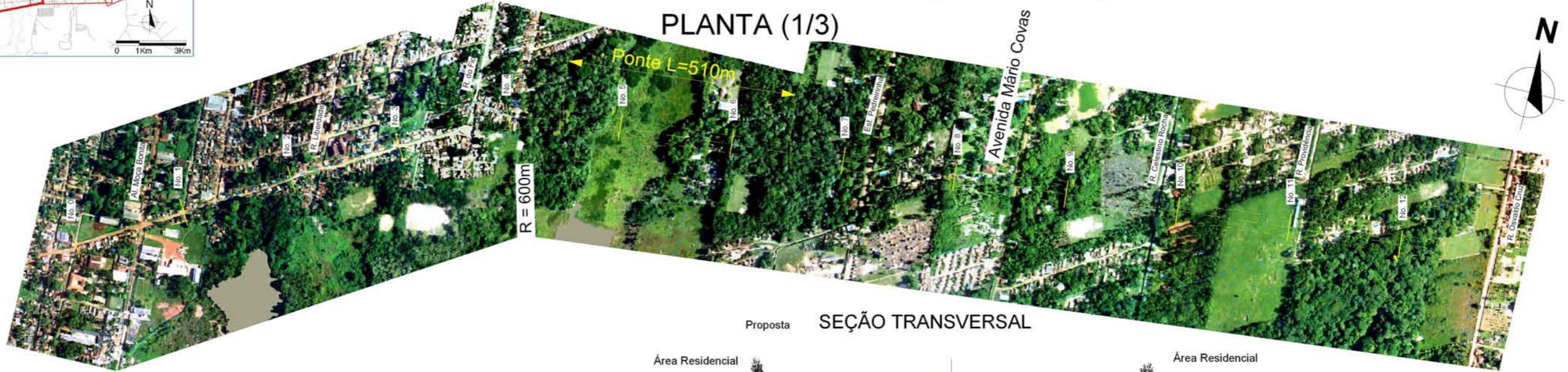




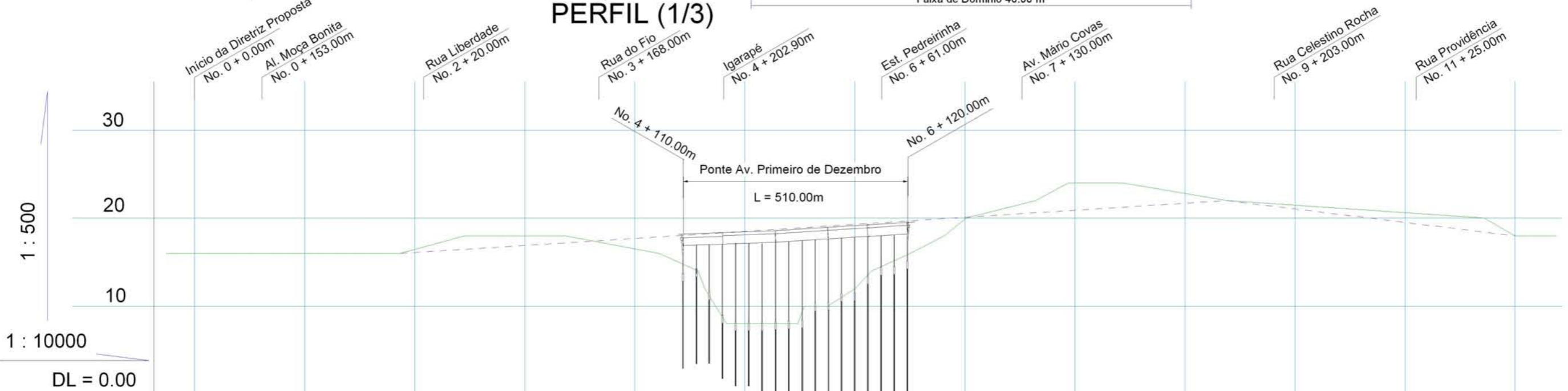
Projeto Viário

Avenida Primeiro de Dezembro (L = 8.466m)

PLANTA (1/3)



PERFIL (1/3)



Greide	16.00	16.00	16.00	16.10	16.90	17.70	18.50	19.30	20.09	20.89	21.69	22.00	21.05	19.52	21.69	18.00	
Altura Proposta	16.00	16.00	16.00	16.10	16.90	17.70	18.50	19.30	20.09	20.89	21.69	22.00	21.05	19.52	21.69	18.00	
Nível do Terreno		16.00	16.00	16.10	18.00	18.00	16.00	14.00 12.00 10.00 8.00	8.00 10.00 10.00	12.00	14.00	16.00	18.00	20.00	24.00	24.00	22.00
Distância	0.00	250.00	467.00	500.00	750.00	1000.00	1250.00	1500.00	1750.00	2000.00	2250.00	2345.00	2500.00	2750.00	3000.00		
Estaqueamento	No. 0	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12	No. 13	No. 14	No. 15	

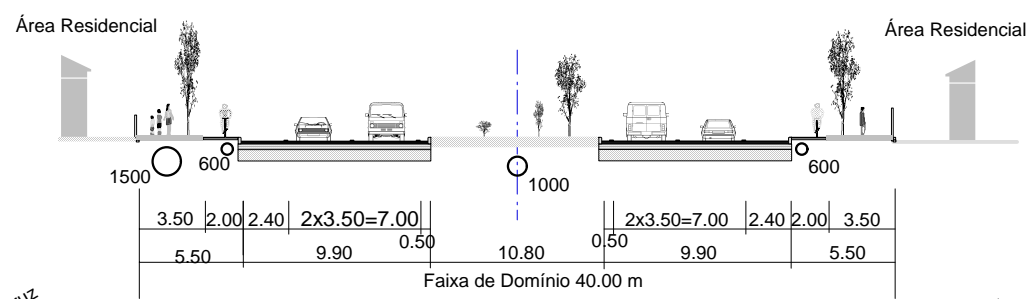


Projeto Viário

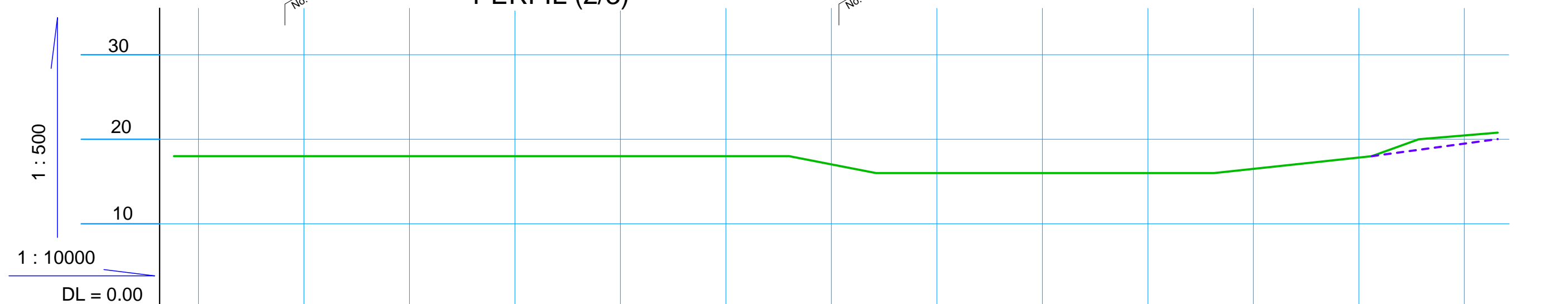
Avenida Primeiro de Dezembro (L = 8.466m)



PLANTA (2/3)



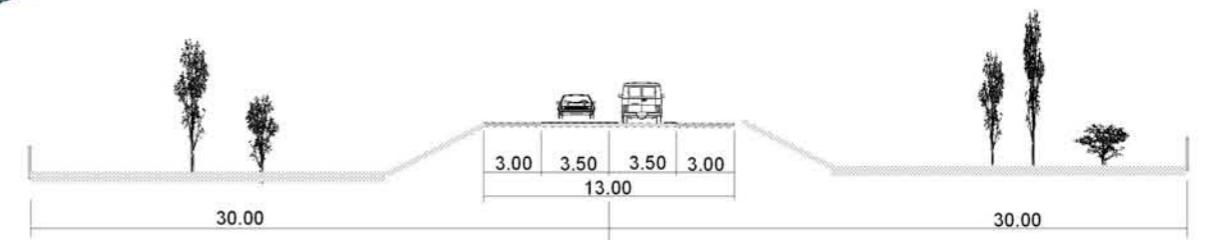
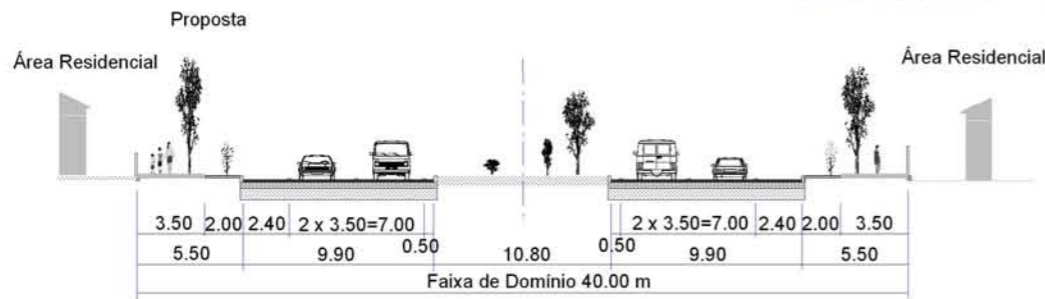
PERFIL (2/3)



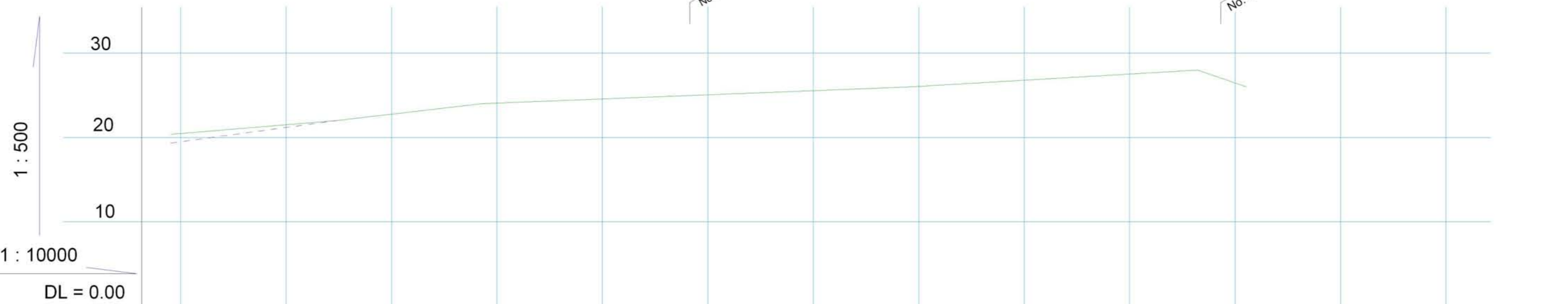
Greide	i = Nivel L = 0.00 m																		
Altura Proposta	18.00	18.00	18.00	18.00	18.00	18.00	18.00	17.00	16.00	16.00	16.00	16.00	16.49	17.83	18.00	16.00			
Nível do Terreno	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	16.00	16.00	16.00	16.00	16.00	18.00	20.00	16.00			
Distância	No. 12—3000.00	No. 13—3250.00	No. 14—3500.00	No. 15—3750.00	No. 16—4000.00	No. 17—4250.00	No. 18—4500.00	No. 19—4750.00	No. 20—5000.00	No. 21—5250.00	No. 22—5500.00	No. 23—5750.00	No. 24—6000.00						
Estaqueamento														i = 0.97% L = 200.00m		i = 0.53% L = 374.00m		i = 0.33% L = 591.00m	

Projeto Viário

Avenida Primeiro de Dezembro (L = 8.466m)



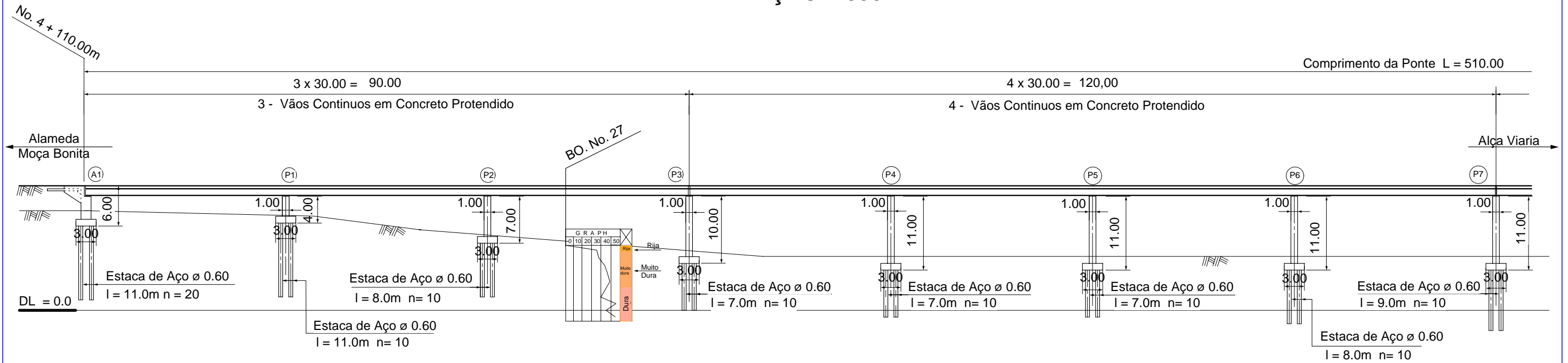
PERFIL (3/3)



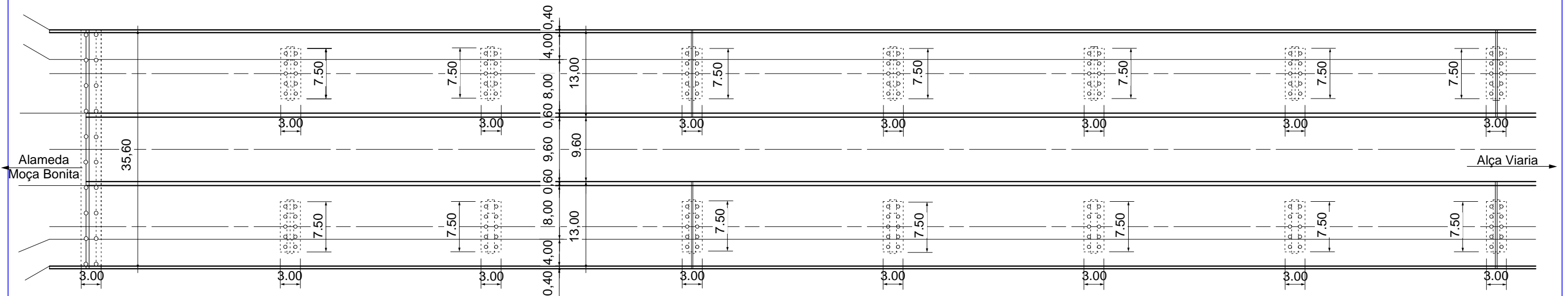
Greide	i = 0.33% L = 591.00m		i = 0.58% L = 343.00m		i = 0.19% L = 1016.00m		i = 0.29% L = 680.00m										
Altura Proposta	22.00	22.00	22.74	24.00	24.06	24.56	25.06	25.54	26.00	26.05	26.79	27.52	28.00	27.05	26.46	0.00	0.00
Nível do Terreno		22.00		24.00	24.06				26.00	26.00	26.79	27.52	28.00	27.05	26.46		
Distância	No. 24 - 6000.00	No. 25 - 6250.00	6372.00	No. 26 - 6500.00	6215.00	No. 27 - 6750.00	No. 28 - 7000.00	No. 29 - 7250.00	No. 30 - 7500.00	7731.00	No. 31 - 7750.00	No. 32 - 8000.00	No. 33 - 8250.00	8411.00	No. 34 - 8500.00	No. 35 - 8750.00	No. 36 - 9000.00
Estaqueamento	No. 24	No. 25	No. 26	No. 27	No. 28	No. 29	No. 30	No. 31	No. 32	No. 33	No. 34	No. 35	No. 36				

Avenida Primeiro de Dezembro - Ponte (1/3)

ELEVAÇÃO 1:600



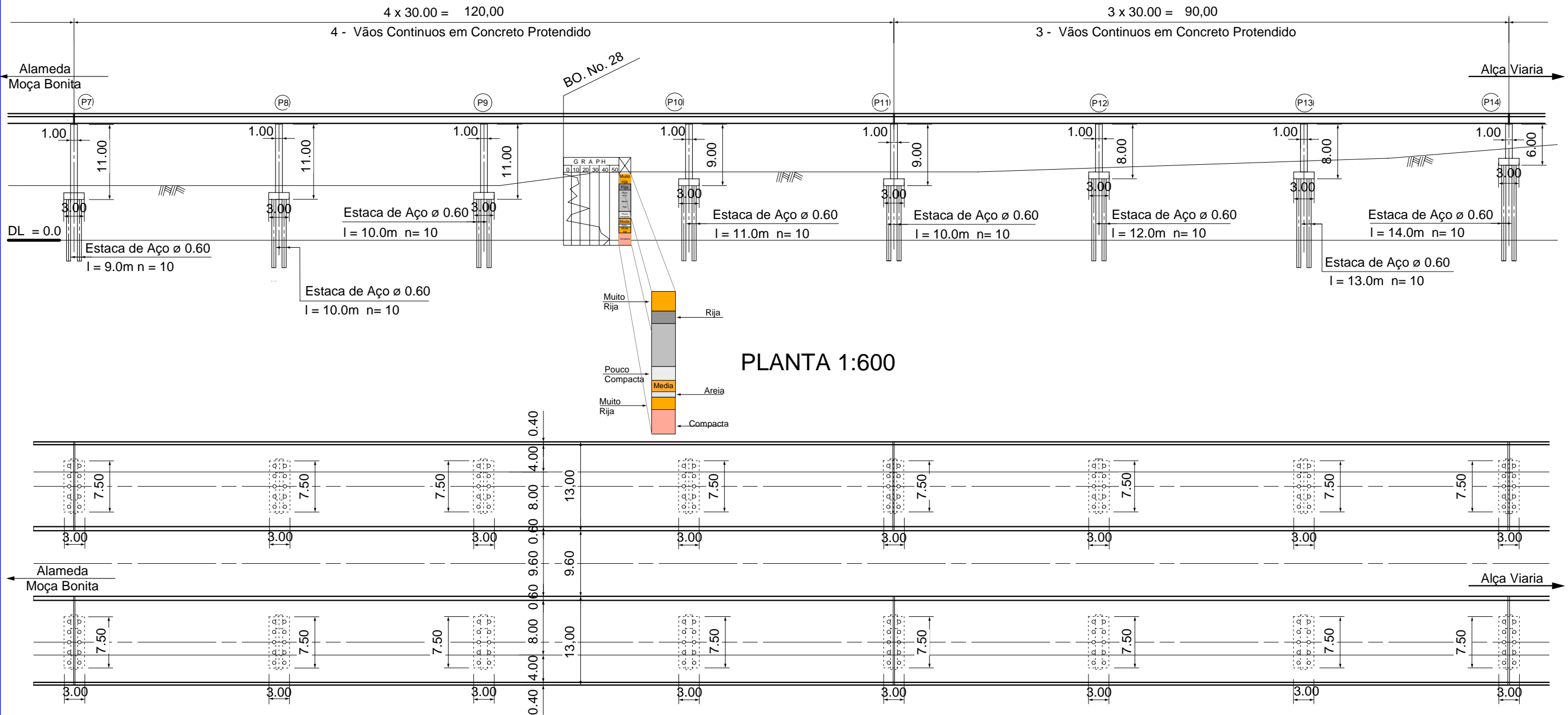
PLANTA 1:600



Avenida Primeiro de Dezembro - Ponte (2/3)

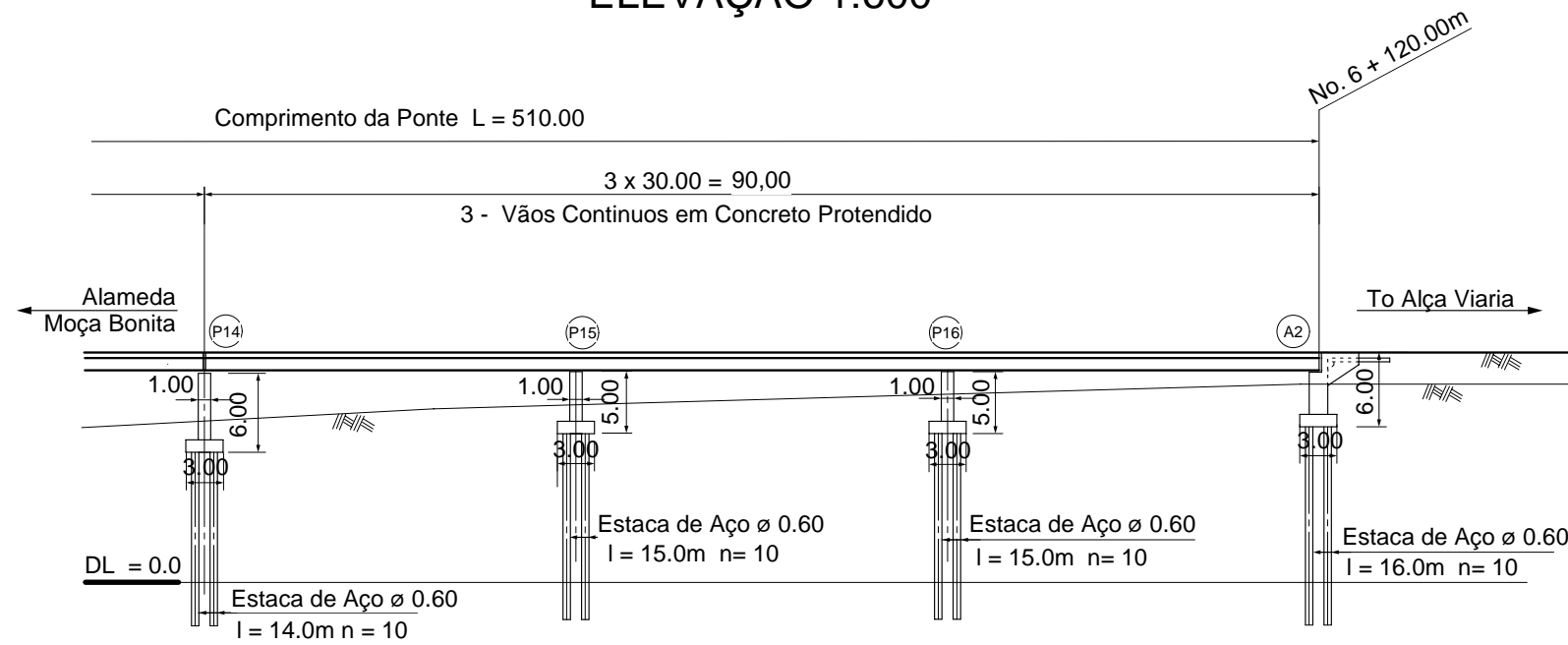
ELEVAÇÃO 1:600

Comprimento da Ponte L = 510,00

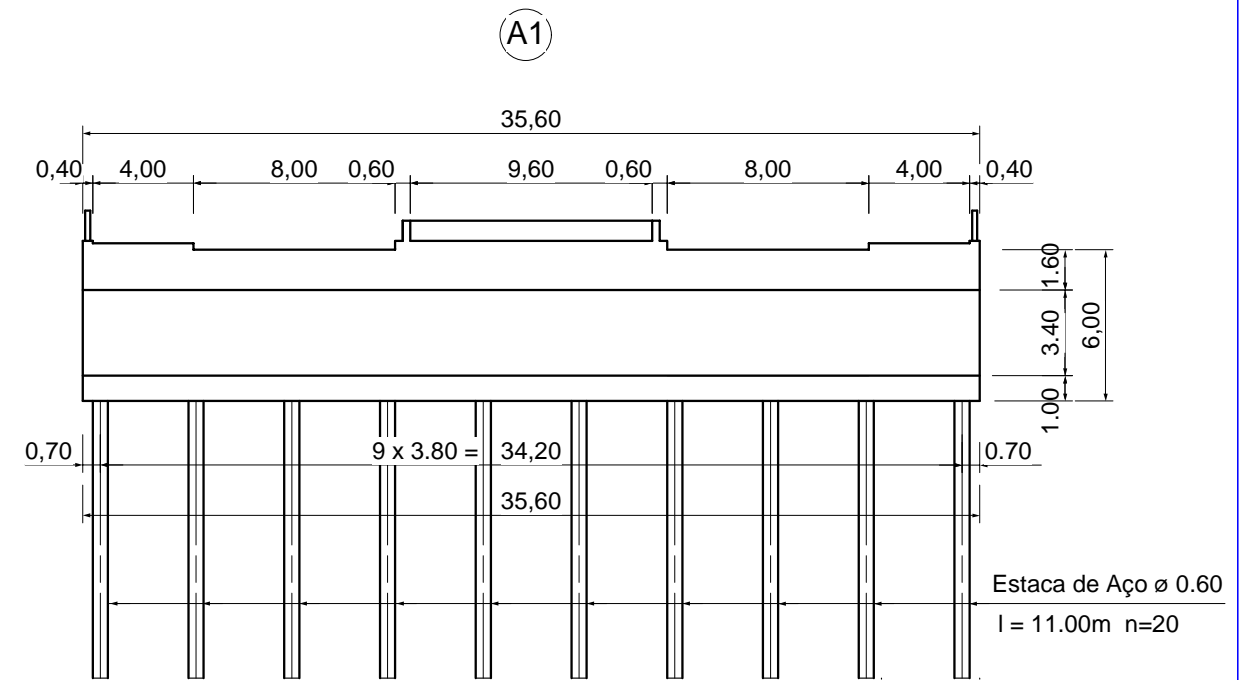


Avenida Primeiro de Dezembro - Ponte (3/3)

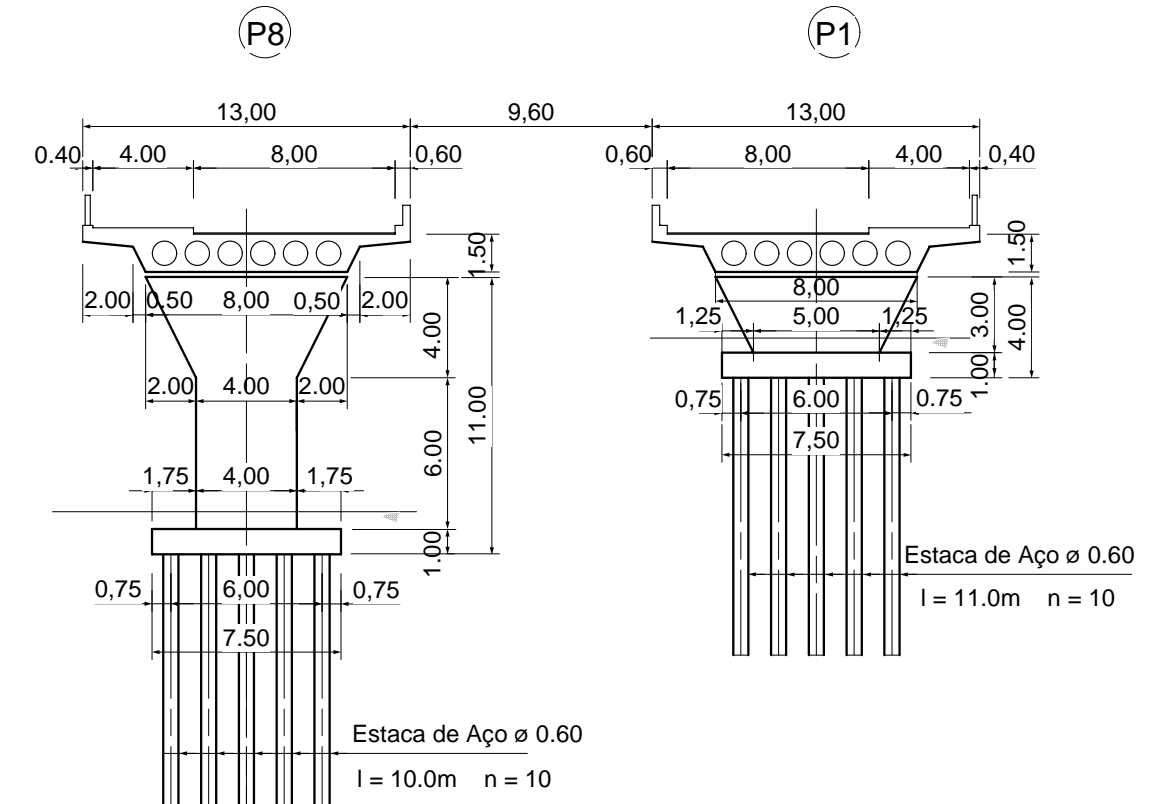
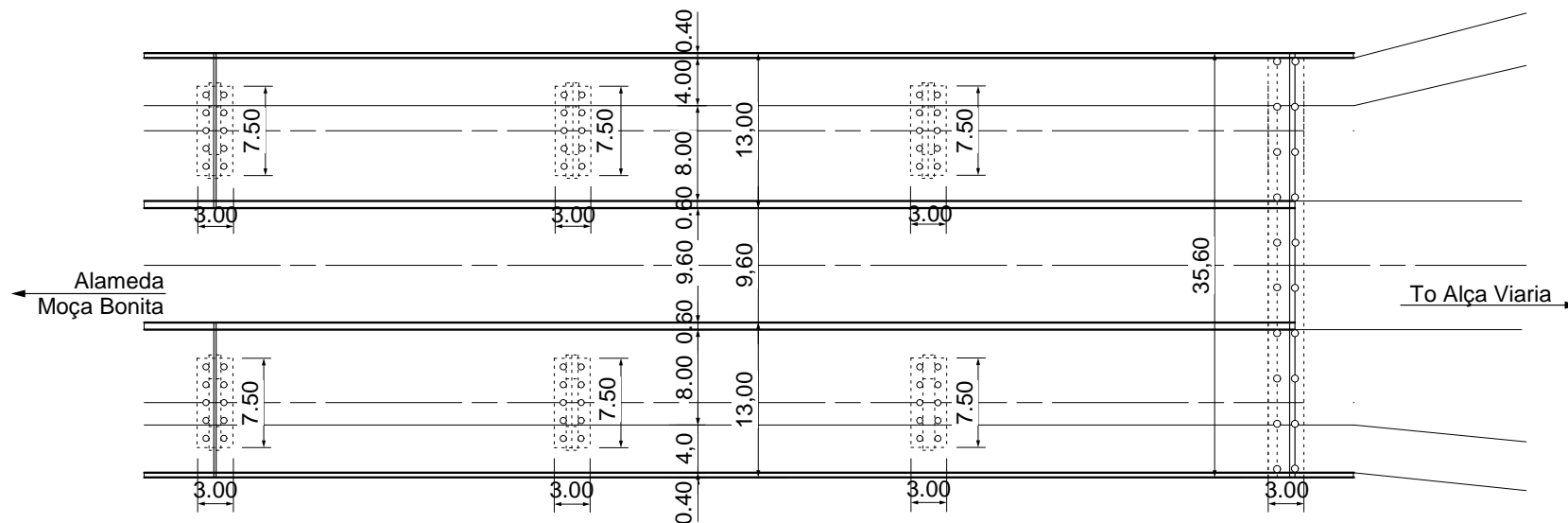
ELEVAÇÃO 1:600

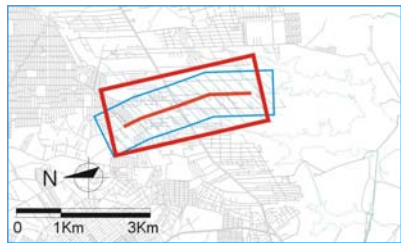


SEÇÃO 1:300



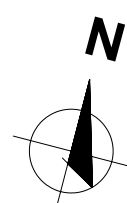
PLANTA 1:600



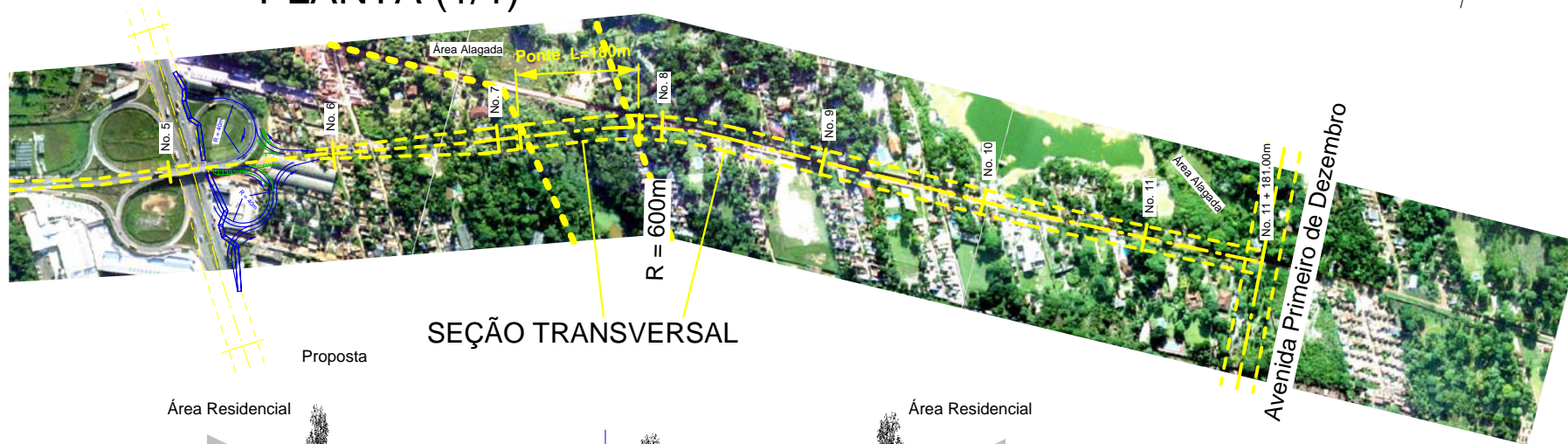


Projeto Viário

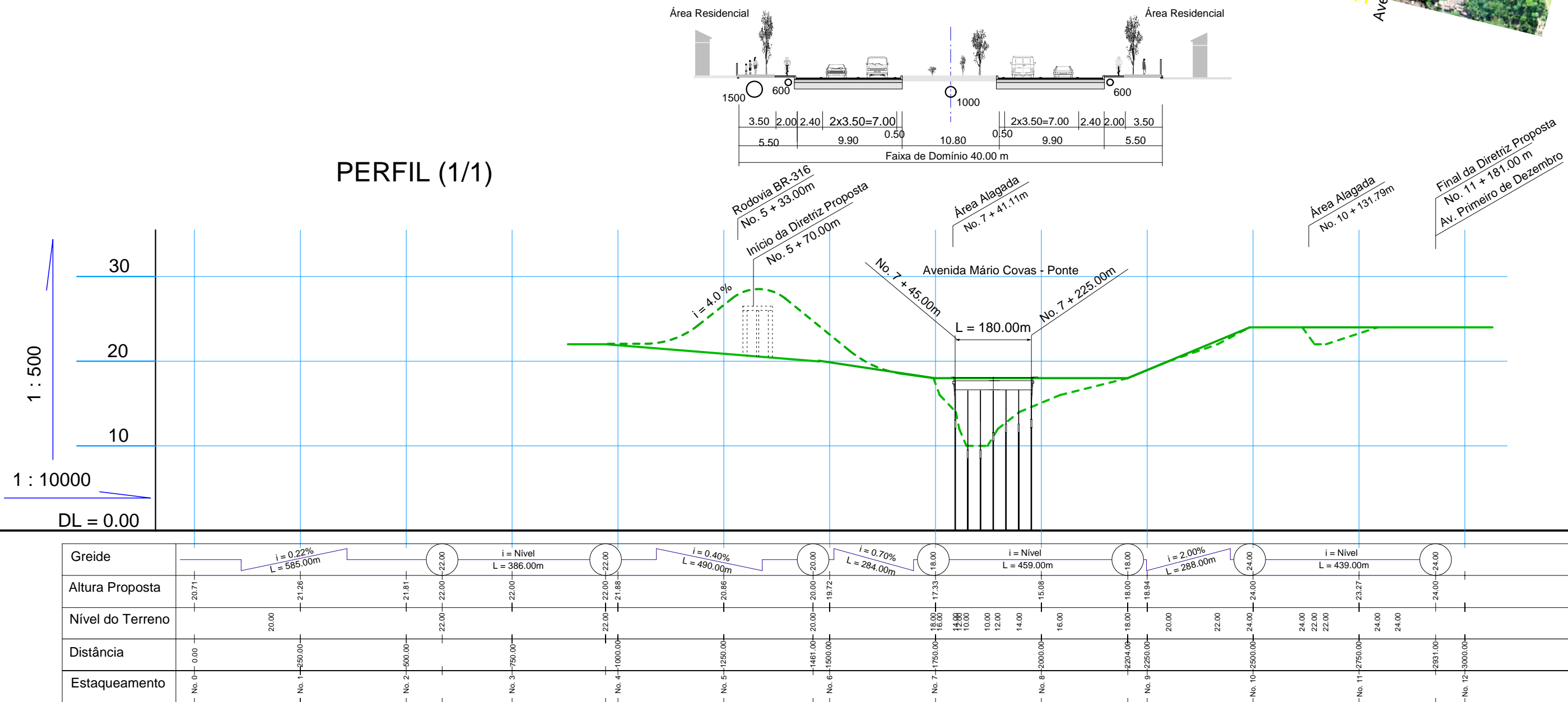
Avenida Mário Covas (L = 1.611m)



PLANTA (1/1)

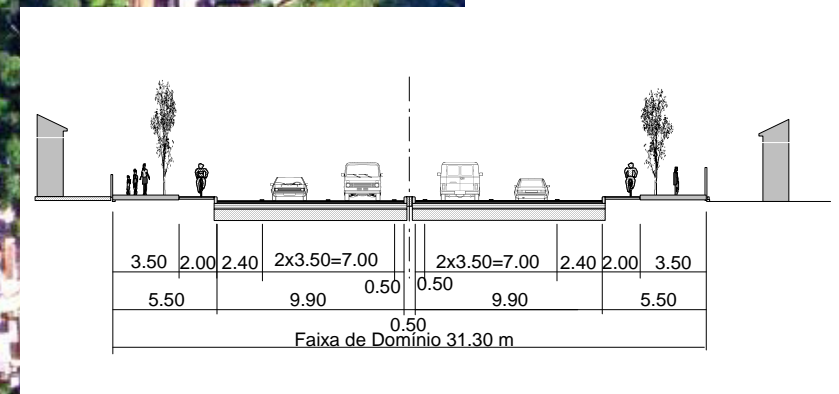
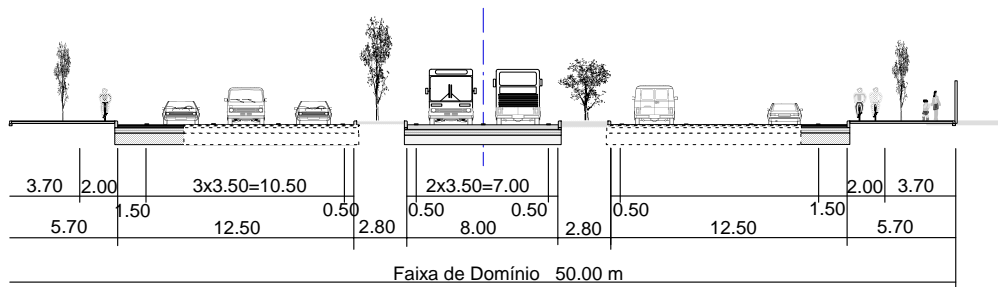
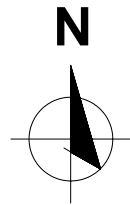


PERFIL (1/1)



Planta de Interseção

Rodovia BR-316 x Avenida Mário Covas



Planta de Interseção
Rodovia BR-316 x Avenida Mário Covas

GOVERNO DO ESTADO DO PARÁ
SECRETARIA ESPECIAL DE ESTADO DE
INTEGRAÇÃO REGIONAL
(SEIR)

AGÊNCIA DE COOPERAÇÃO
INTERNACIONAL DO JAPÃO
(JICA)

ESTUDO DE VIABILIDADE ECONÔMICA DE PROJETOS PARA O MELHORAMENTO
DO SISTEMA DE TRANSPORTE NA REGIÃO METROPOLITANA DE BELÉM

DATA

ESCALA

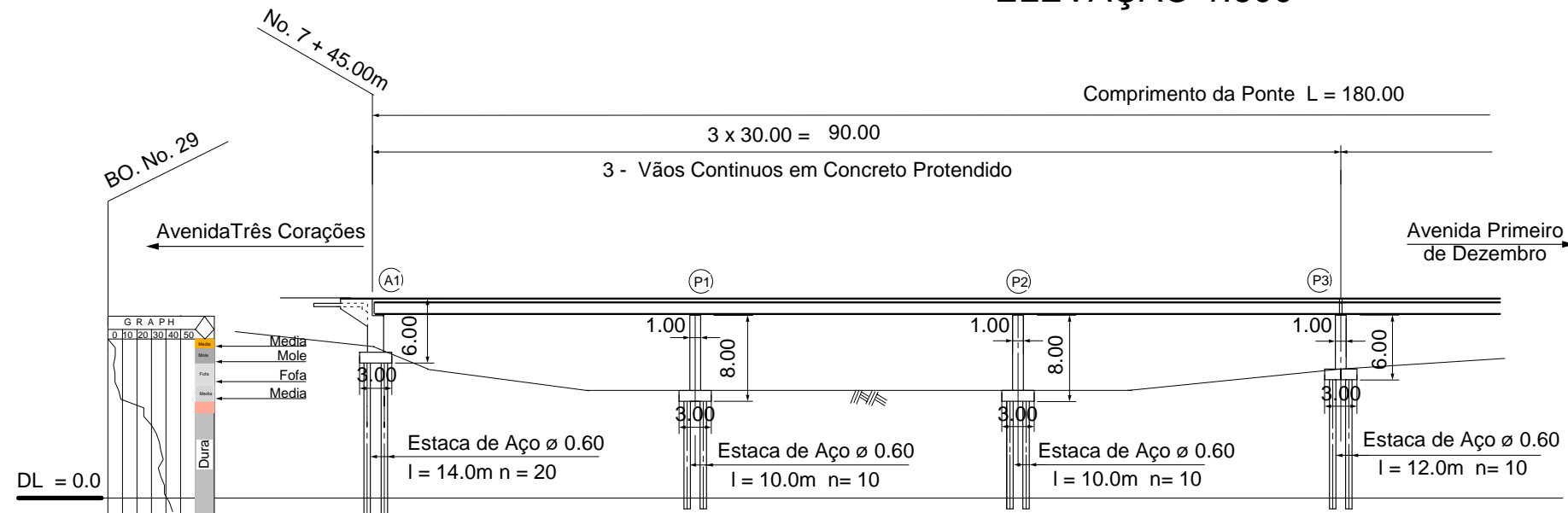
S = 1 : 3.000

DESENHO No.

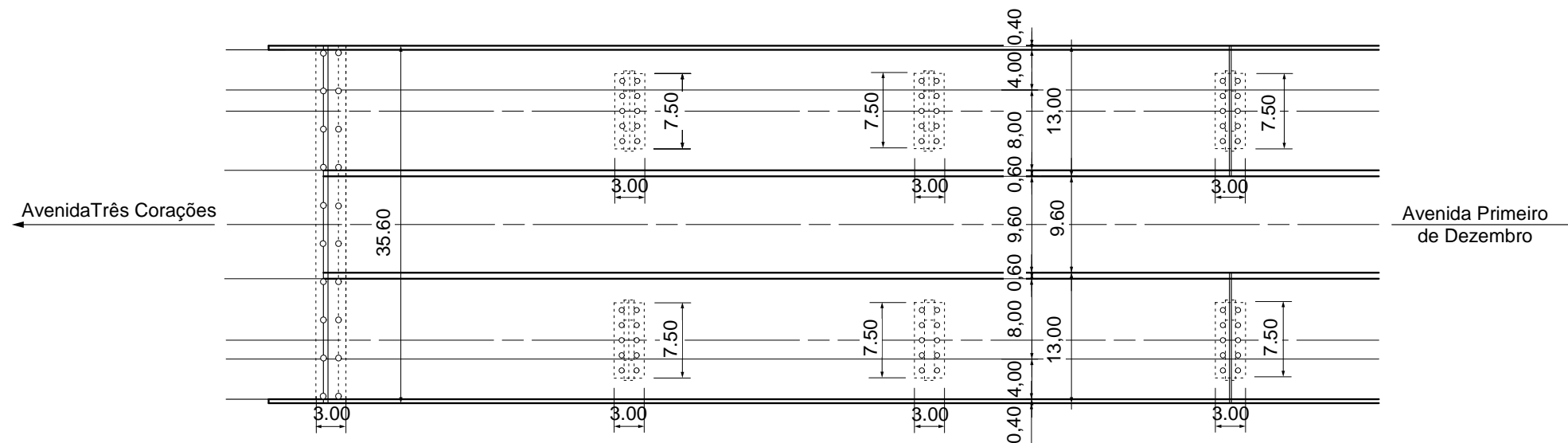
PÁGINA No. 100

Avenida Mário Covas - Ponte (1/2)

ELEVAÇÃO 1:600

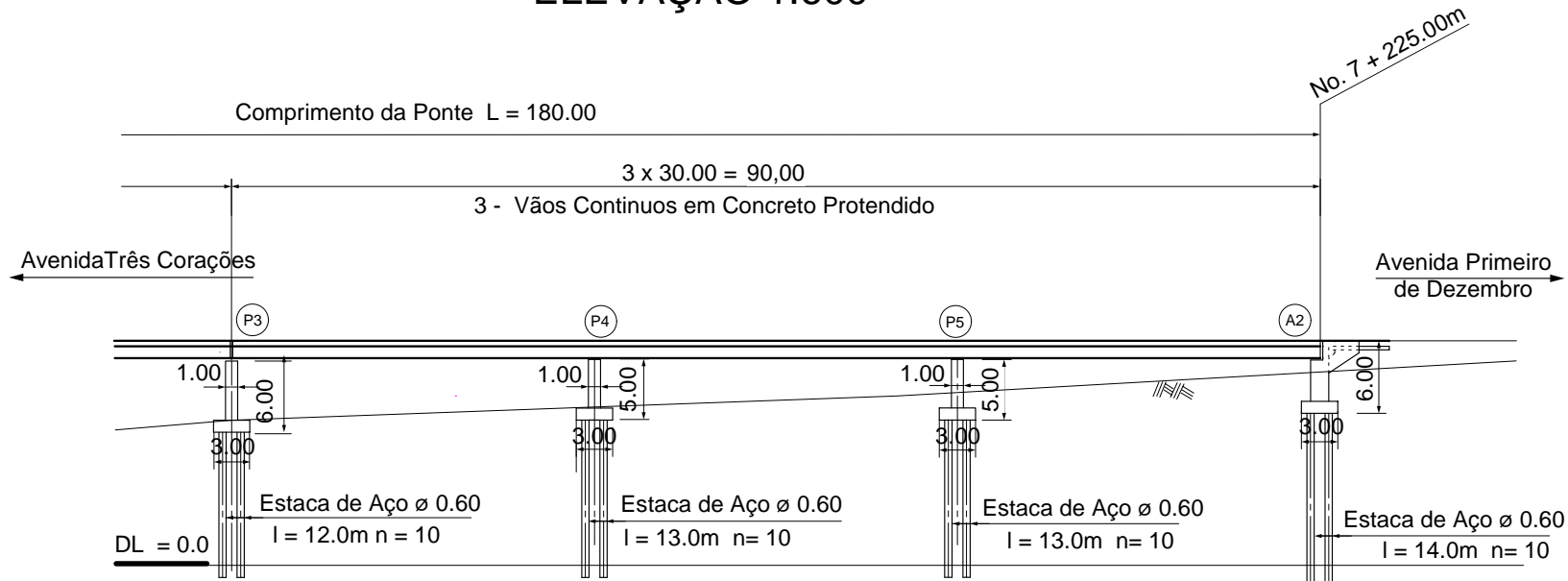


PLANTA 1:600

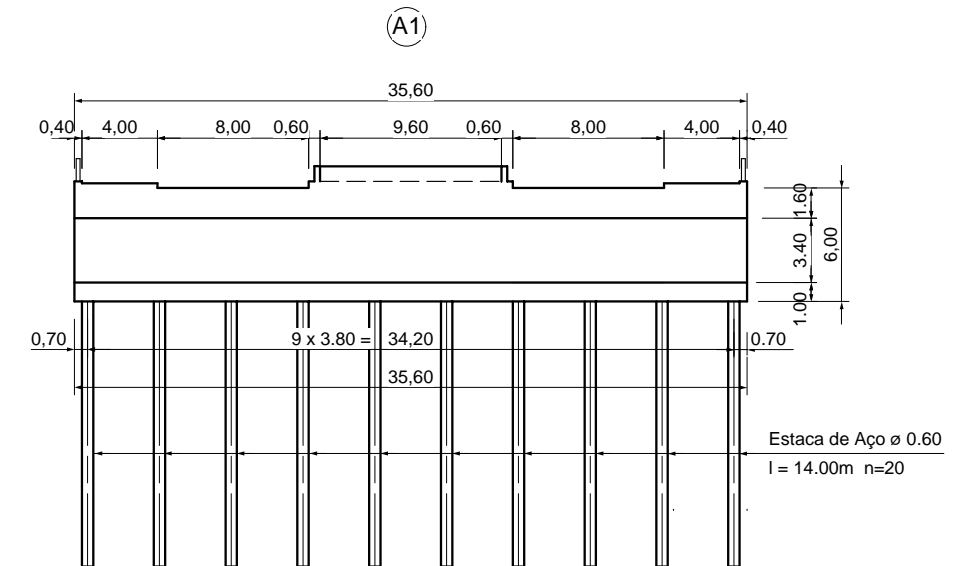


Avenida Mário Covas - Ponte (2/2)

ELEVAÇÃO 1:600



SEÇÃO 1:400



PLANTA 1:600

