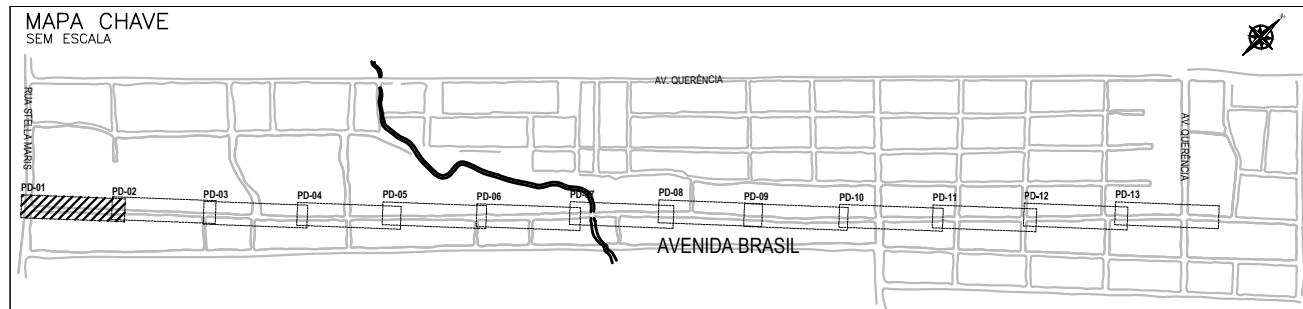



**LEGENDA**

BL = BOCA DE LOBO  
PV-BL = POÇO DE VISITA COM BOCA DE LOBO  
CT = COTA DA TAMPA  
CF = COTA DE FUNDO  
ø = DIÂMETRO DA TUBULAÇÃO EM mm  
14 m = COMPRIMENTO DO TRECHO

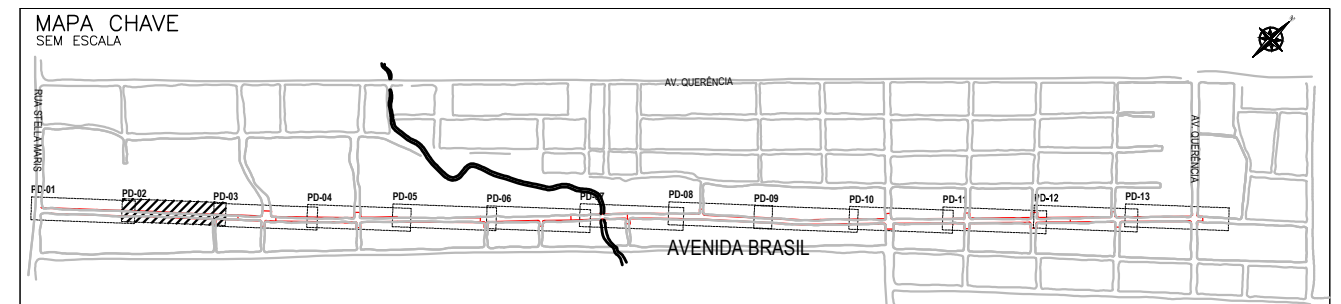
--- EIXO DA VIA  
--- CALÇADA

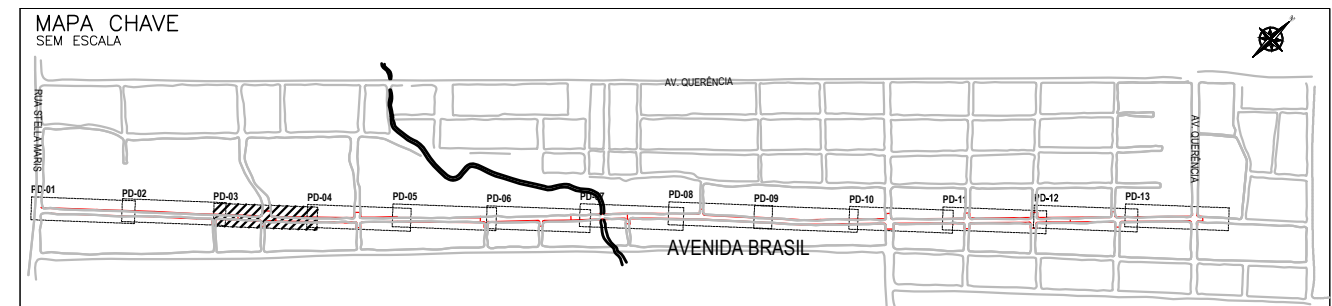
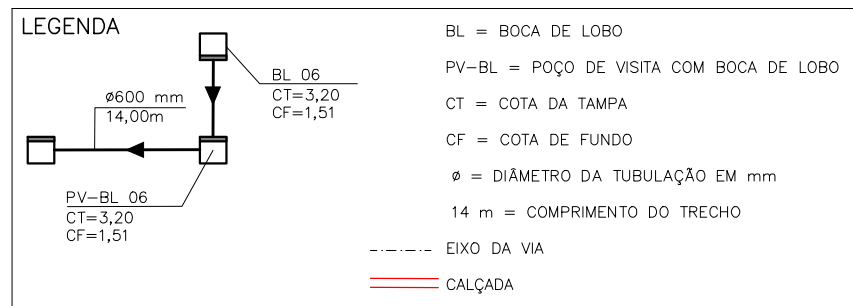
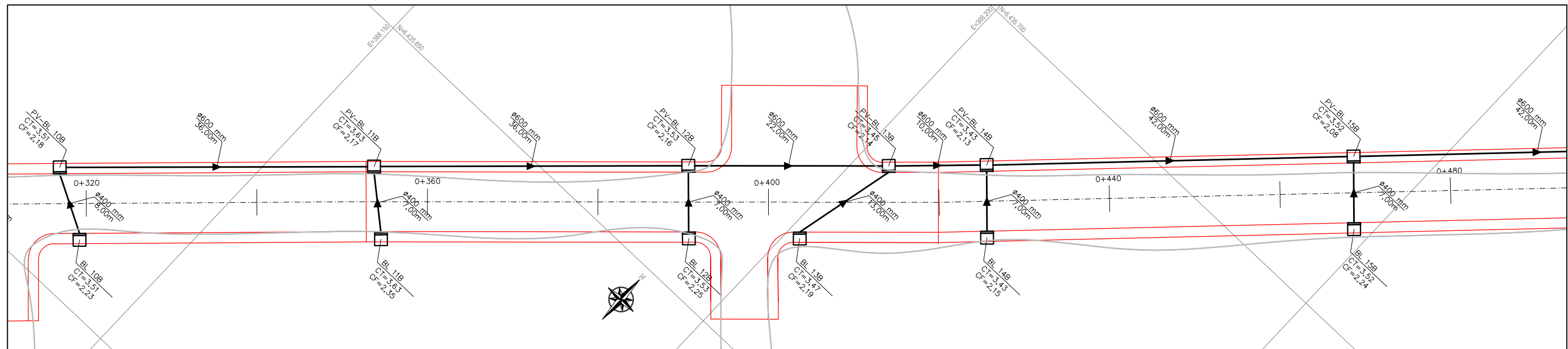
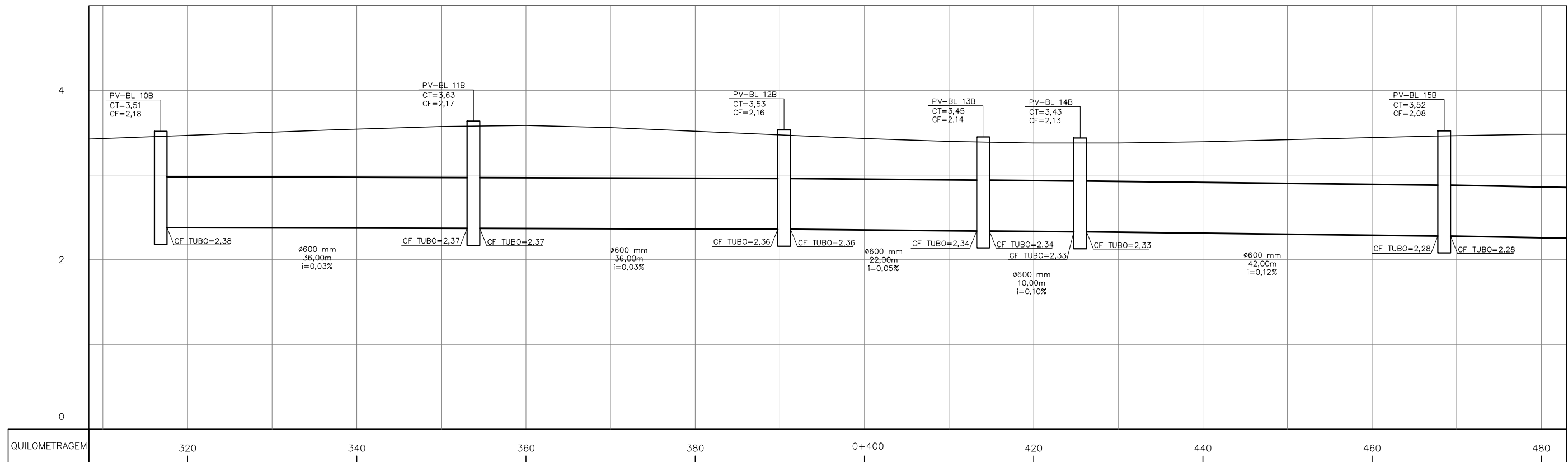
Diagram showing a manhole (BL 06) with a 600 mm diameter pipe (ø600 mm) and a 14,00m length. The manhole has a cover elevation (CT) of 3,20 and a bottom elevation (CF) of 1,51. The pipe has a bottom elevation (CF) of 1,51.



PROJETADO POR: 	<b>EQUIPE TÉCNICA</b>		
	RESPONSÁVEL TÉCNICO:	COORDENADOR:	PROJETISTA:
	ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409	CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

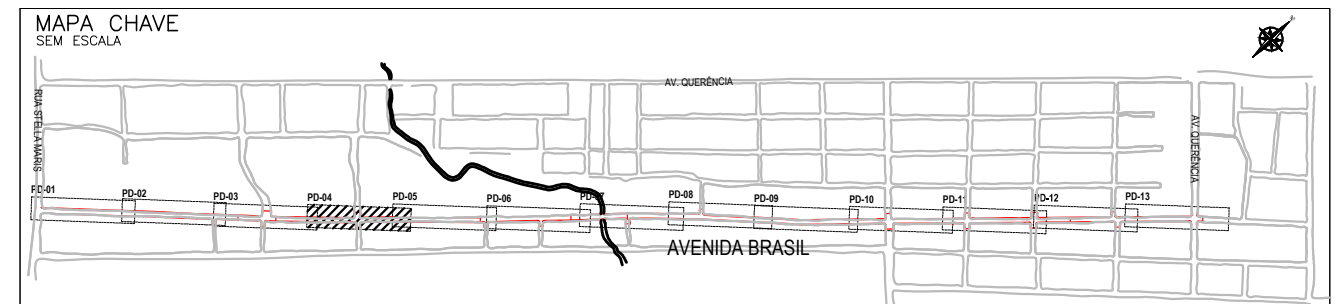
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	PROJETOS DE INFRAESTRUTURA DE ENGENHARIA – FASE 1		V = 1:50
	VIAS ESTRUTURANTES – BALNEÁRIO CASSINO – RIO GRANDE/RS		H = 1:500
	PROJETO DE DRENAGEM		DATA:
	AVENIDA BRASIL		AGOSTO/2015
	km 0+000 ao km 0+160		PRANCHA:
			PD-01

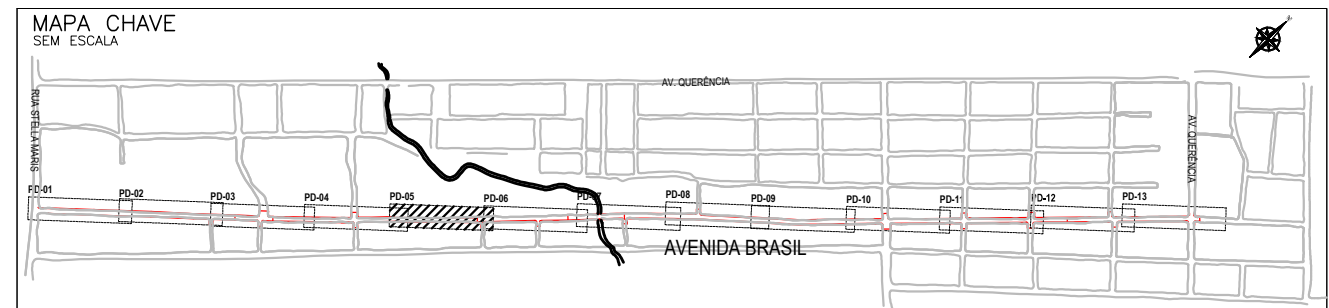
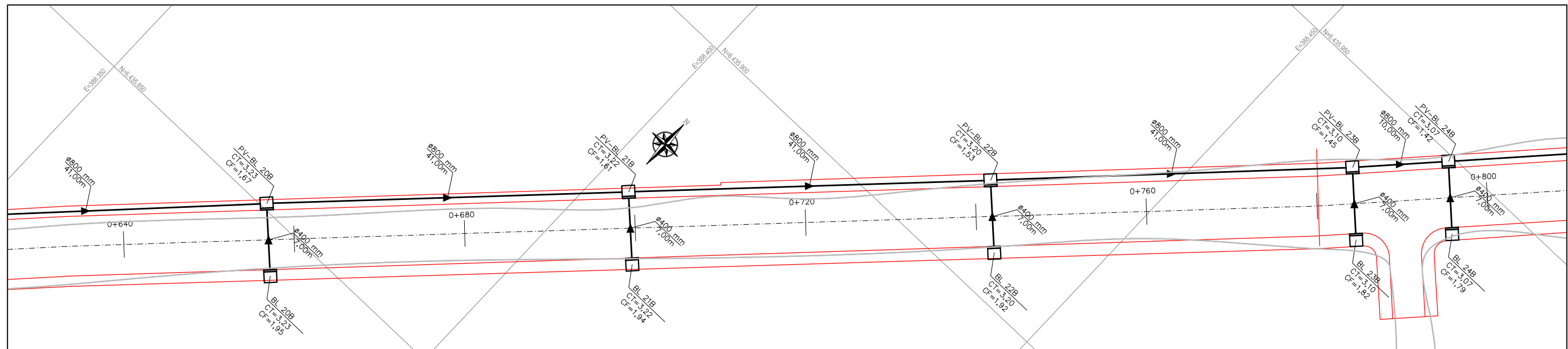
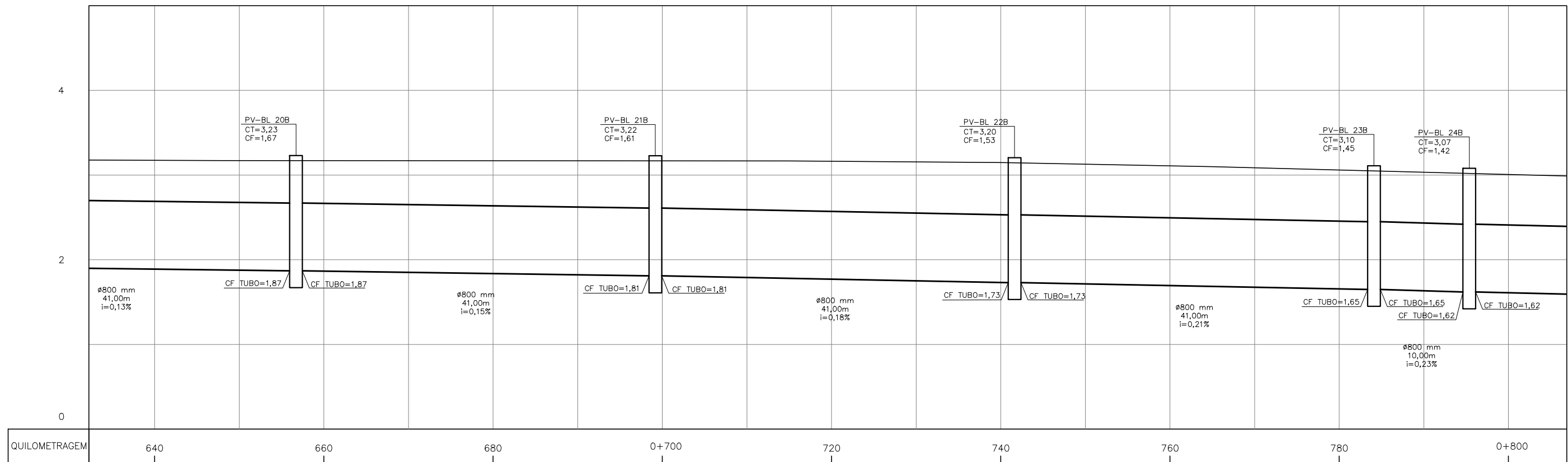




PROJETADO POR:			
EQUIPE TÉCNICA			
RESPONSÁVEL TÉCNICO:		COORDENADOR:	PROJETISTA:
ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409		CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

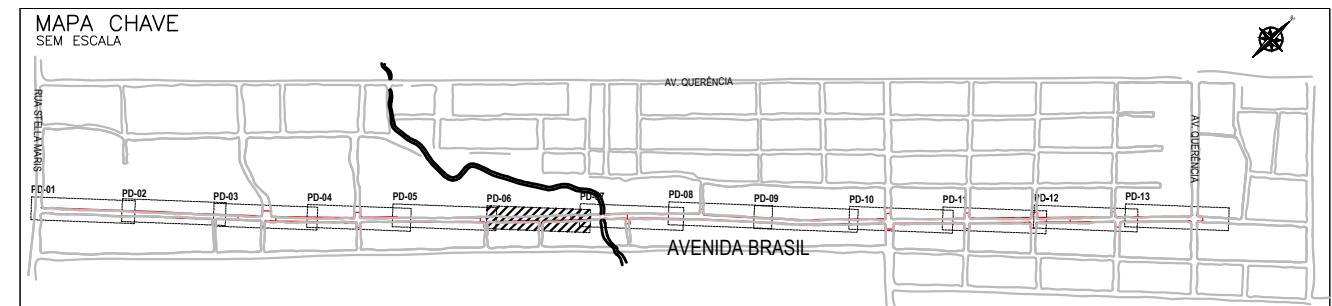
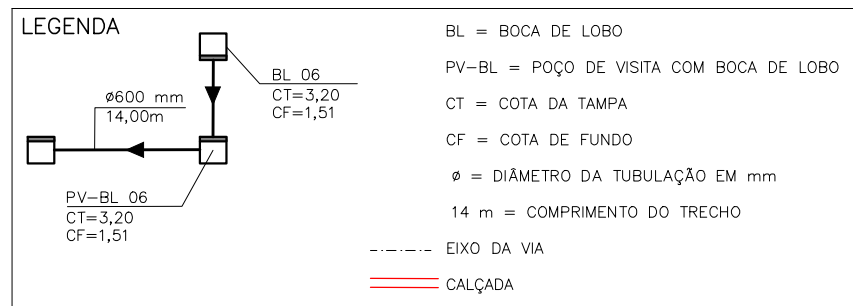
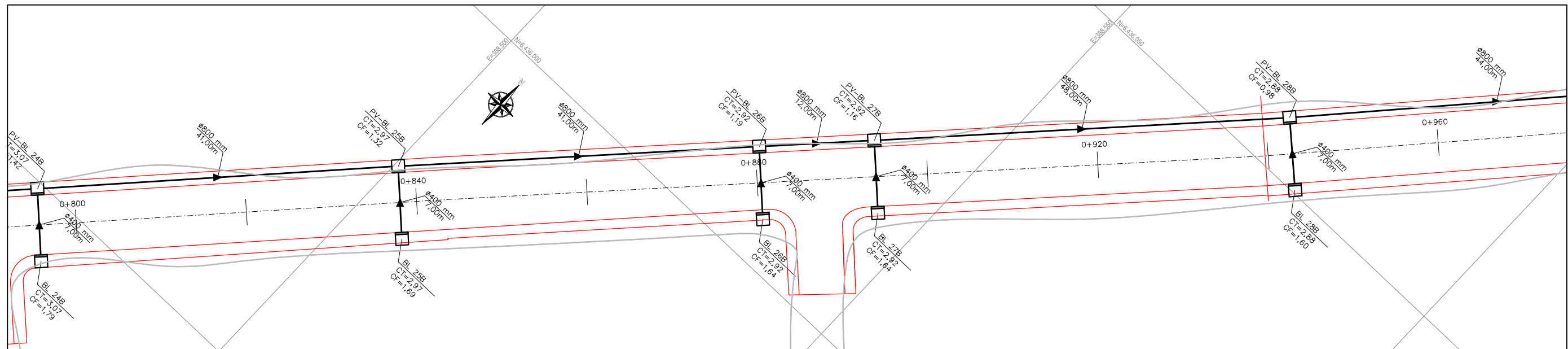
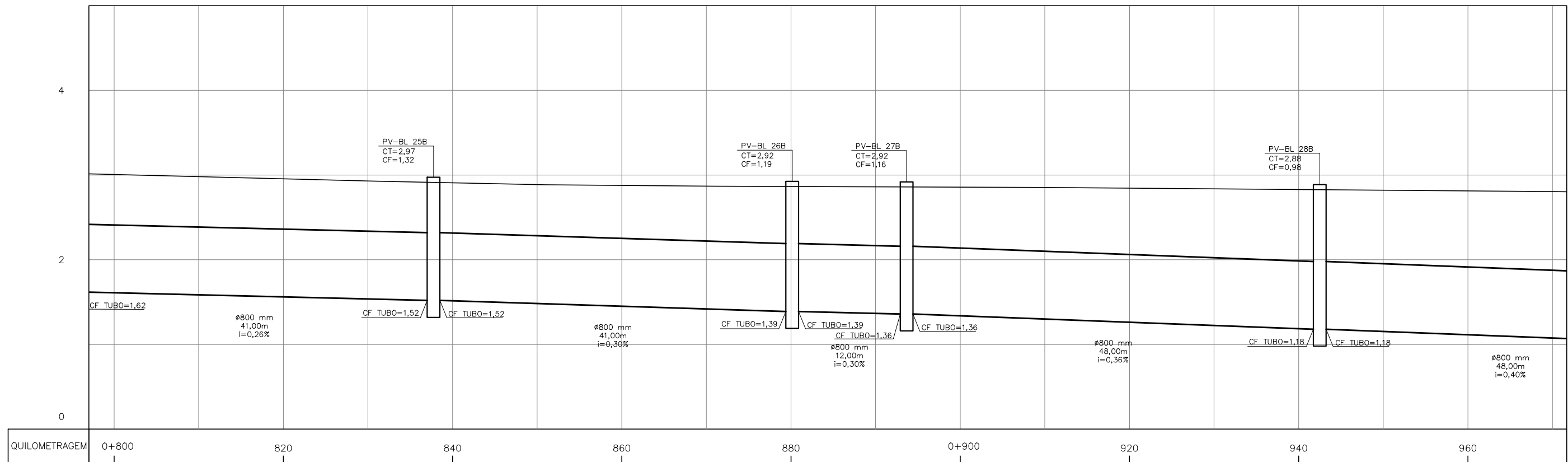
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PROJETOS DE INFRAESTRUTURA DE ENGENHARIA - FASE 1	
VIAS ESTRUTURANTES - BALNEÁRIO CASSINO - RIO GRANDE/RS	
PROJETO DE DRENAGEM	
AVENIDA BRASIL	
km 0+320 ao km 0+480	
ESCALA: V = 1:50 H = 1:500	DATA: AGOSTO/2015
PRANCHA: PD-03	






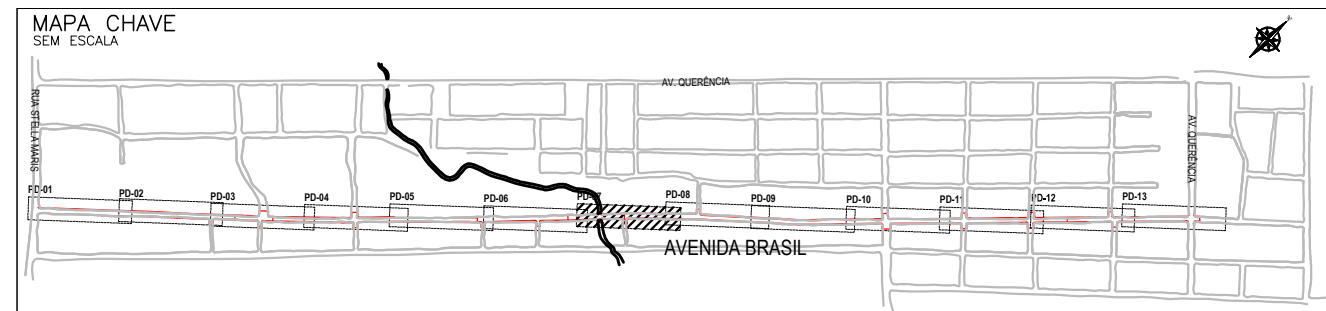
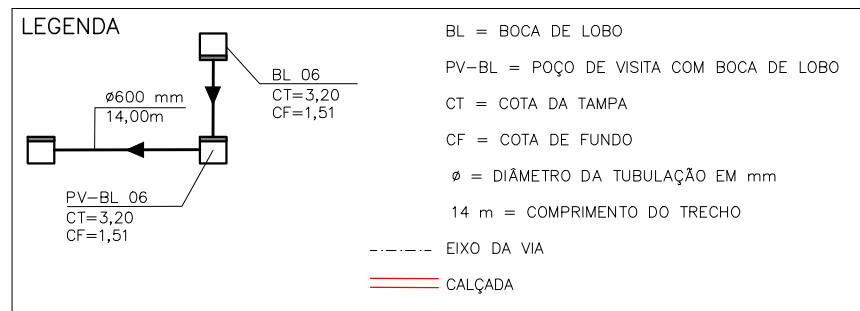
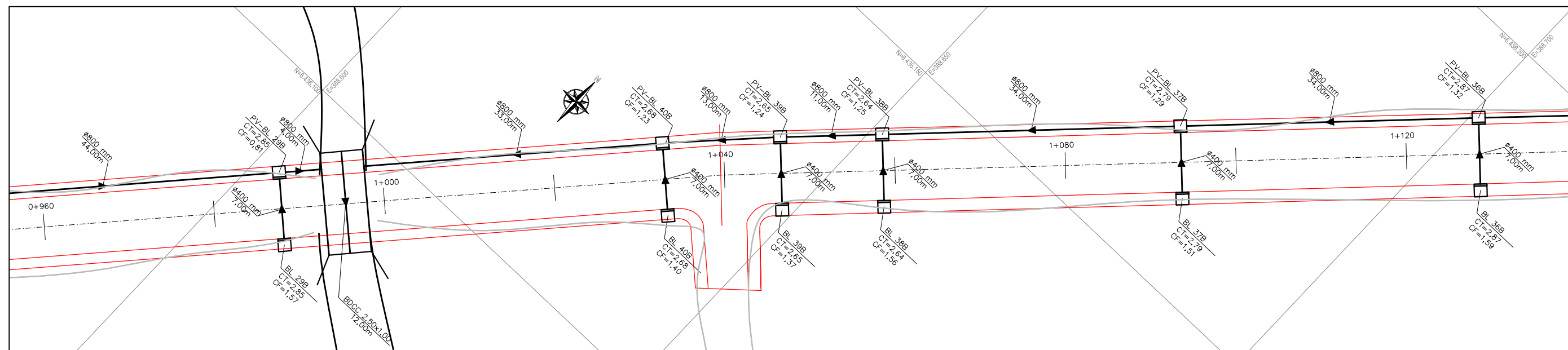
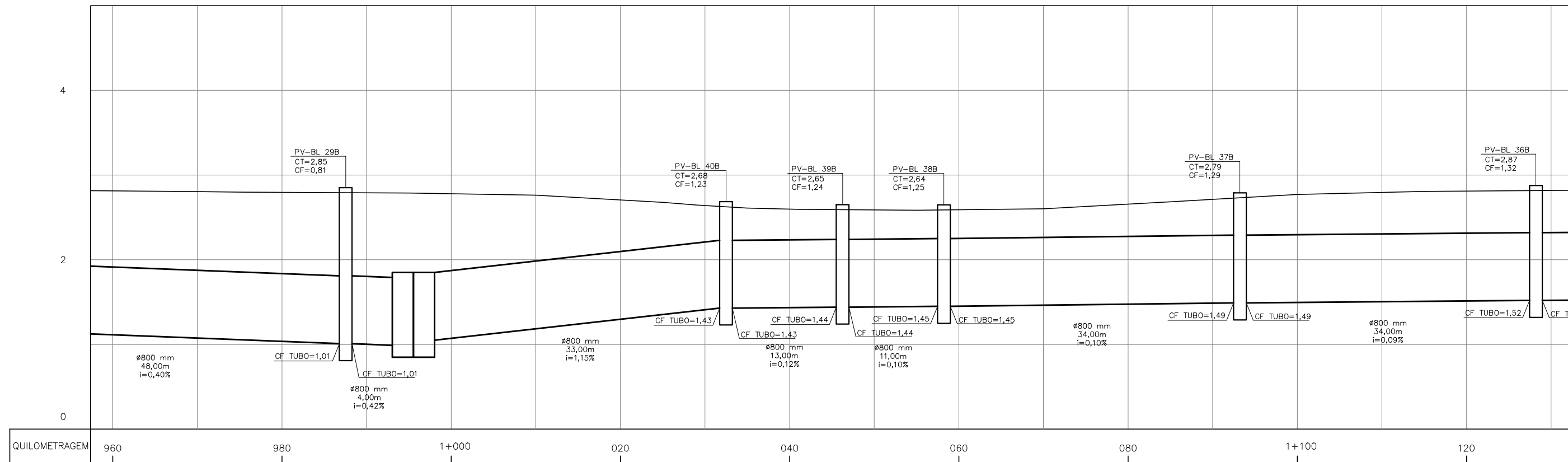
PROJETADO POR:			
EQUIPE TÉCNICA			
RESPONSÁVEL TÉCNICO:		COORDENADOR:	PROJETISTA:
ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409		CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

PREFEITURA MUNICIPAL DE RIO GRANDE	
PROJETOS DE INFRAESTRUTURA DE ENGENHARIA - FASE 1 VIAS ESTRUTURANTES - BALNEÁRIO CASSINO - RIO GRANDE/RS	
PROJETO DE DRENAGEM	
AVENIDA BRASIL km 0+640 ao km 0+800	
ESCALA: V = 1:50 H = 1:500	DATA: AGOSTO/2015
PRANCHA: PD-05	



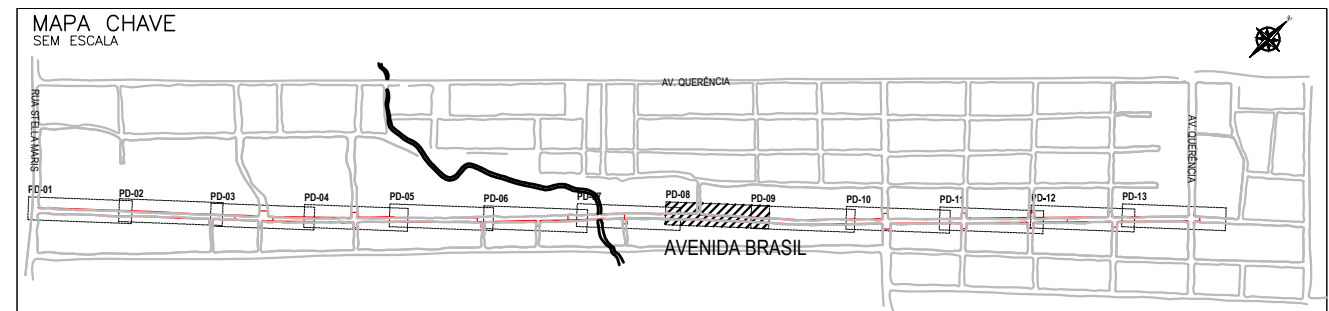
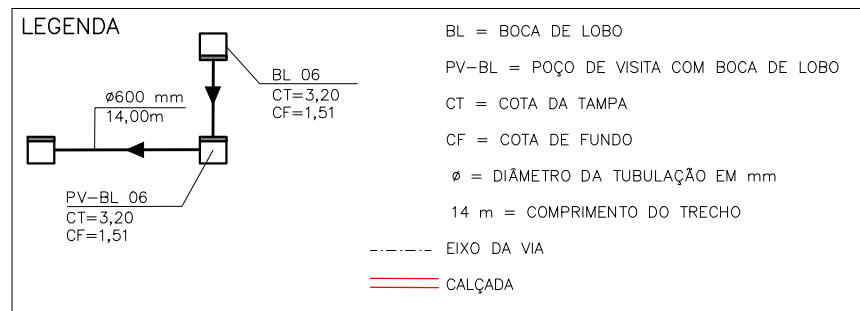
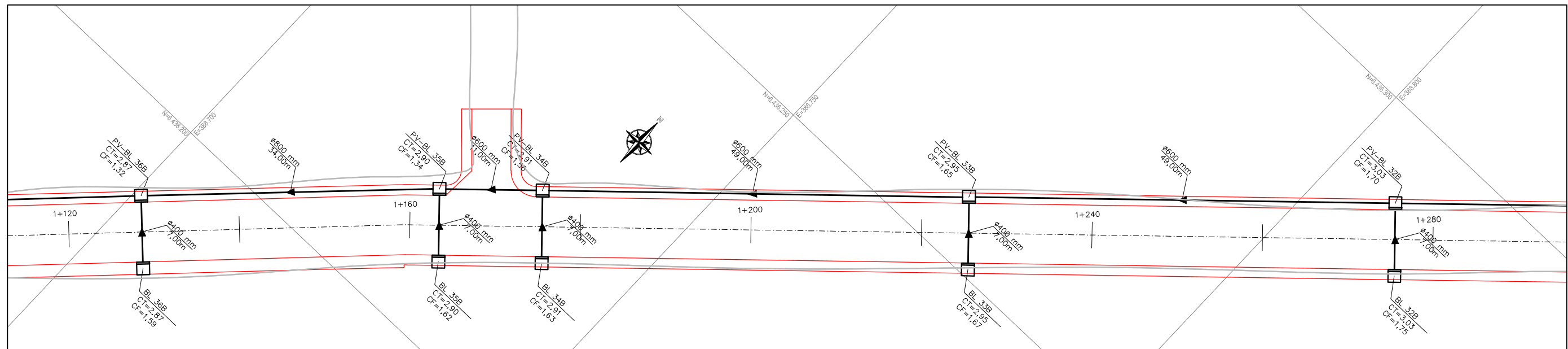
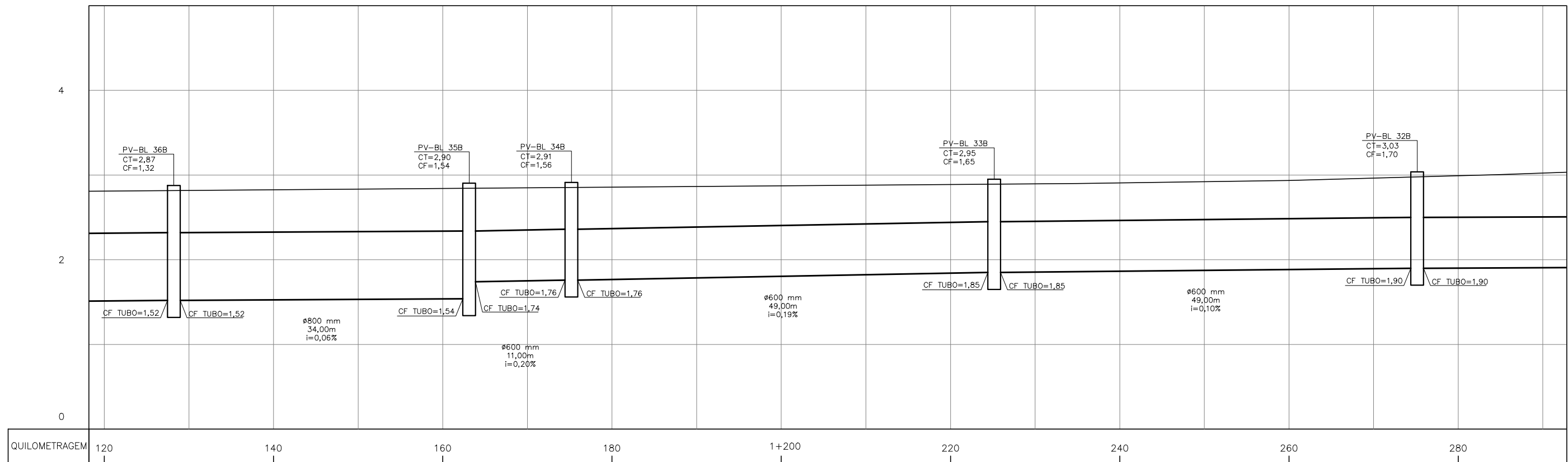
PROJETADO POR: 	EQUIPE TÉCNICA		
	RESPONSÁVEL TÉCNICO:	COORDENADOR:	PROJETISTA:
	ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409	CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352


PREFEITURA MUNICIPAL DE RIO GRANDE		ESCALA: V = 1:50 H = 1:500 DATA: AGOSTO/2015 PRANCHA: PD-06
	PROJETOS DE INFRAESTRUTURA DE ENGENHARIA – FASE 1	
	VIAS ESTRUTURANTES – BALNEÁRIO CASSINO – RIO GRANDE/RS	
	PROJETO DE DRENAGEM	
	AVENIDA BRASIL	
	km 0+800 ao km 0+960	



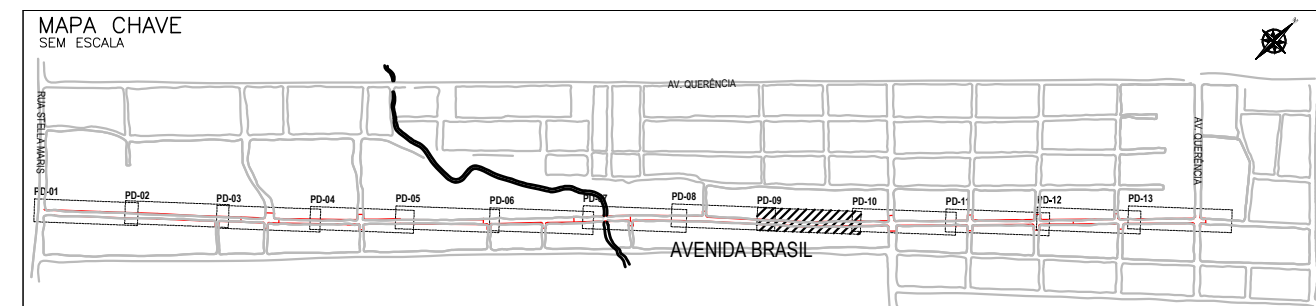
PROJETADO POR:			
EQUIPE TÉCNICA			
RESPONSÁVEL TÉCNICO:		COORDENADOR:	PROJETISTA:
ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409		CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

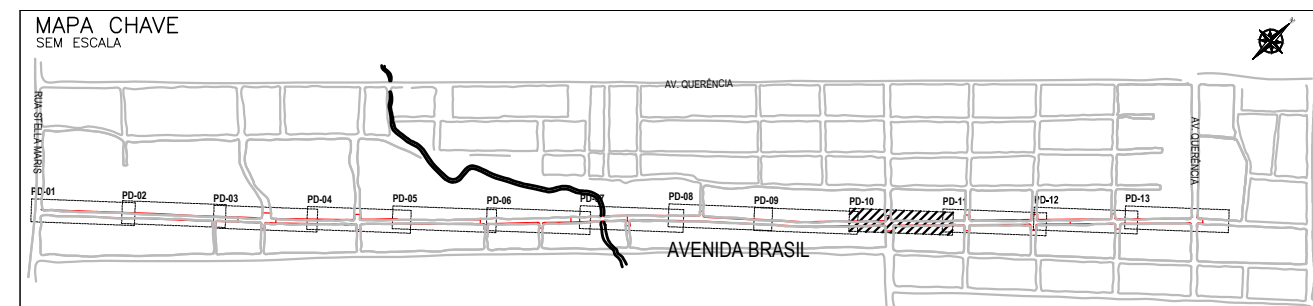
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PROJETOS DE INFRAESTRUTURA DE ENGENHARIA - FASE 1		
VIAS ESTRUTURANTES - BALNEÁRIO CASSINO - RIO GRANDE/RS		
PROJETO DE DRENAGEM		
AVENIDA BRASIL		
km 0+960 ao km 1+120		
ESCALA: V = 1:50 H = 1:500	DATA: AGOSTO/2015	PRANCHA: PD-07

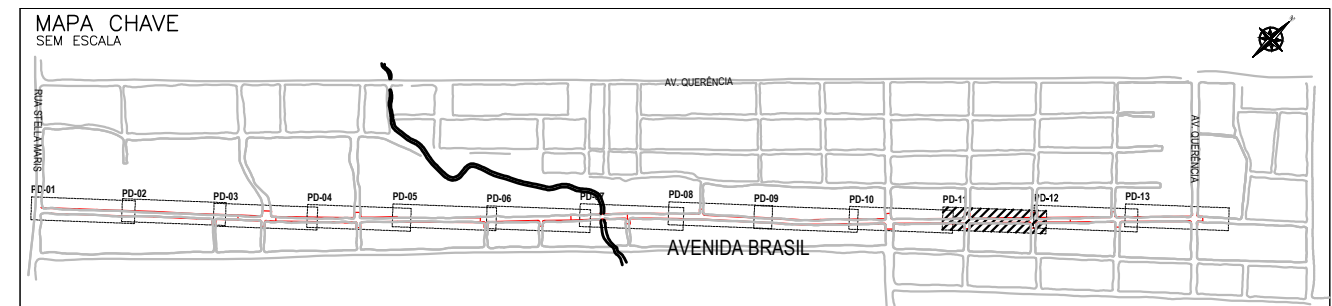
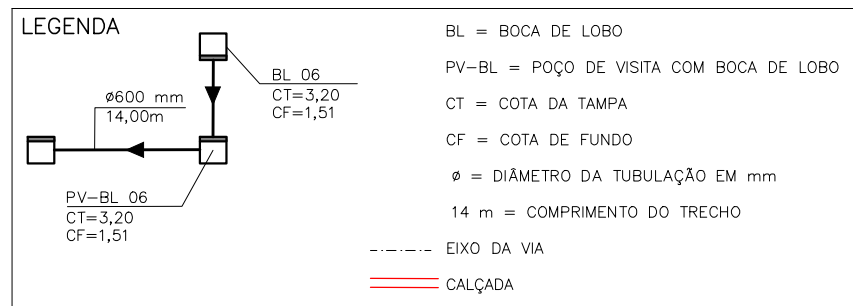
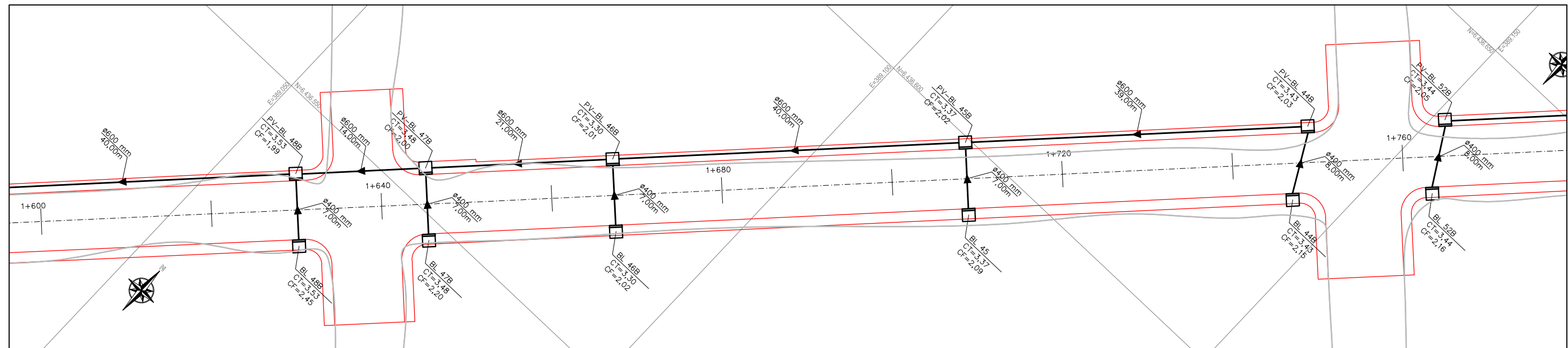
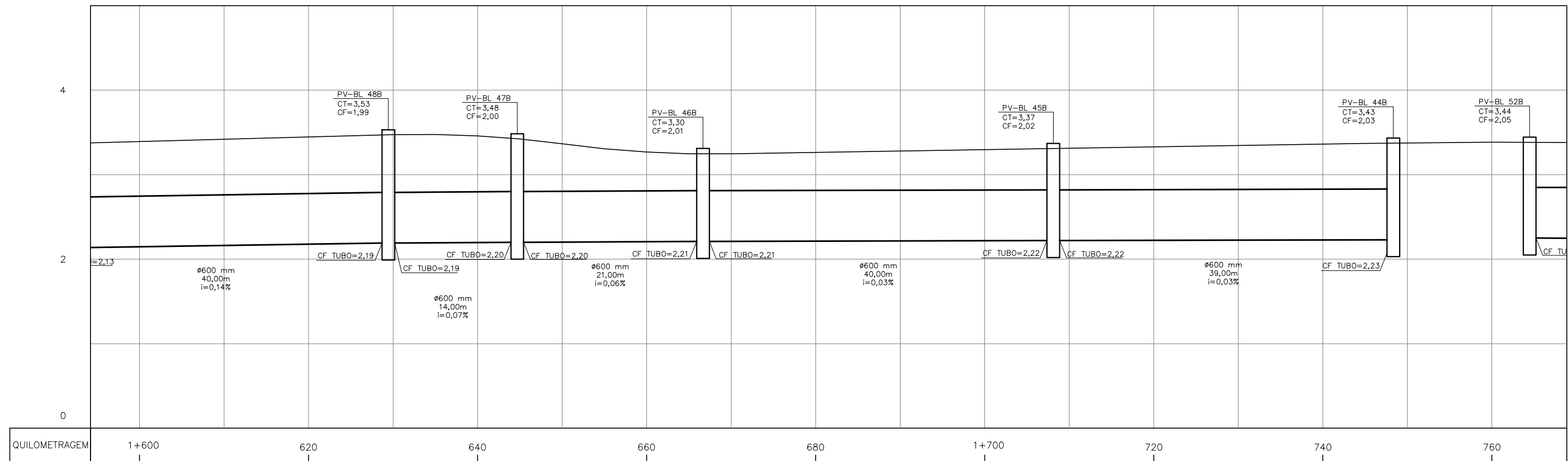


PROJETADO POR: 	EQUIPE TÉCNICA		
	RESPONSÁVEL TÉCNICO:	COORDENADOR:	PROJETISTA:
	ARISTÓTELES JOSÉ BOURSCHÉID CREA 9.409	CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

	PREFEITURA MUNICIPAL DE RIO GRANDE		ESCALA:
	PROJETOS DE INFRAESTRUTURA DE ENGENHARIA - FASE 1		V = 1:50
	VIAS ESTRUTURANTES - BALNEÁRIO CASSINO - RIO GRANDE/RS		H = 1:500
	PROJETO DE DRENAGEM		DATA:
	AVENIDA BRASIL		AGOSTO/2015
	km 1+120 ao km 1+280		PRANCHA:
			PD-08

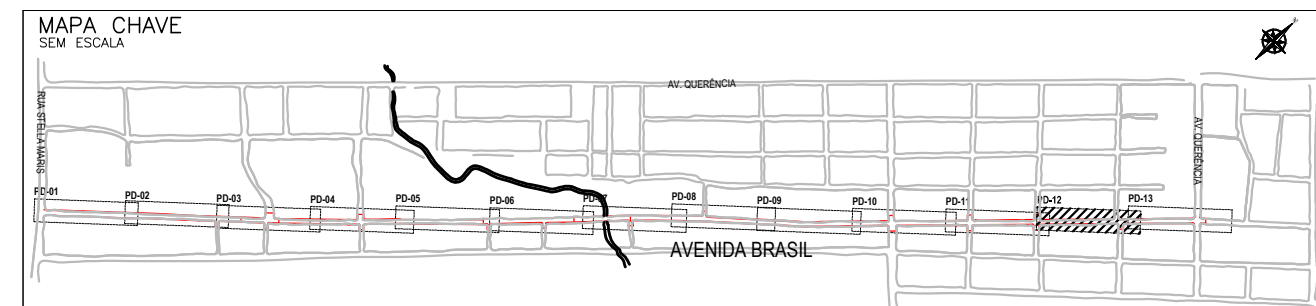


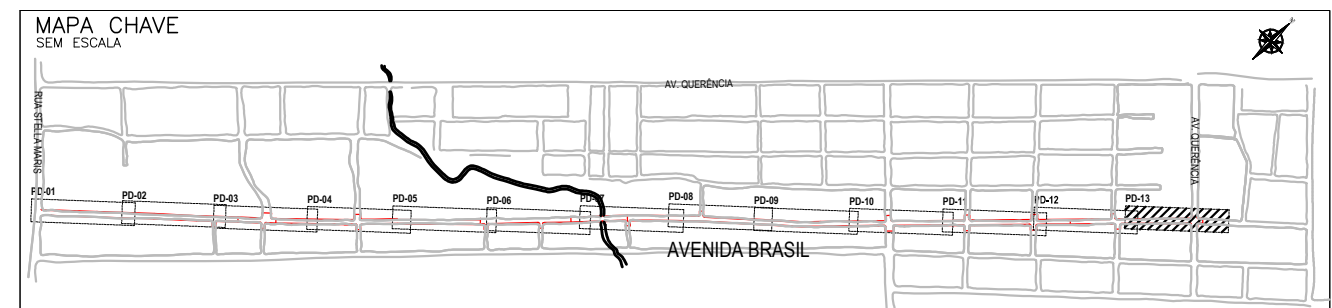
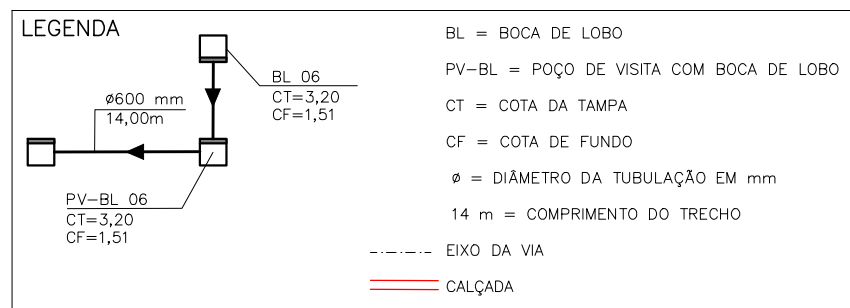
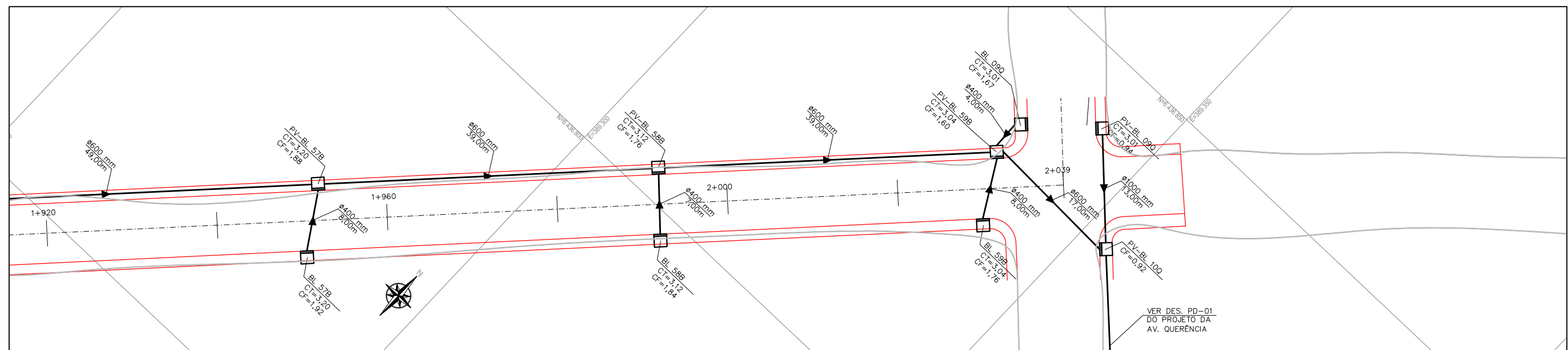
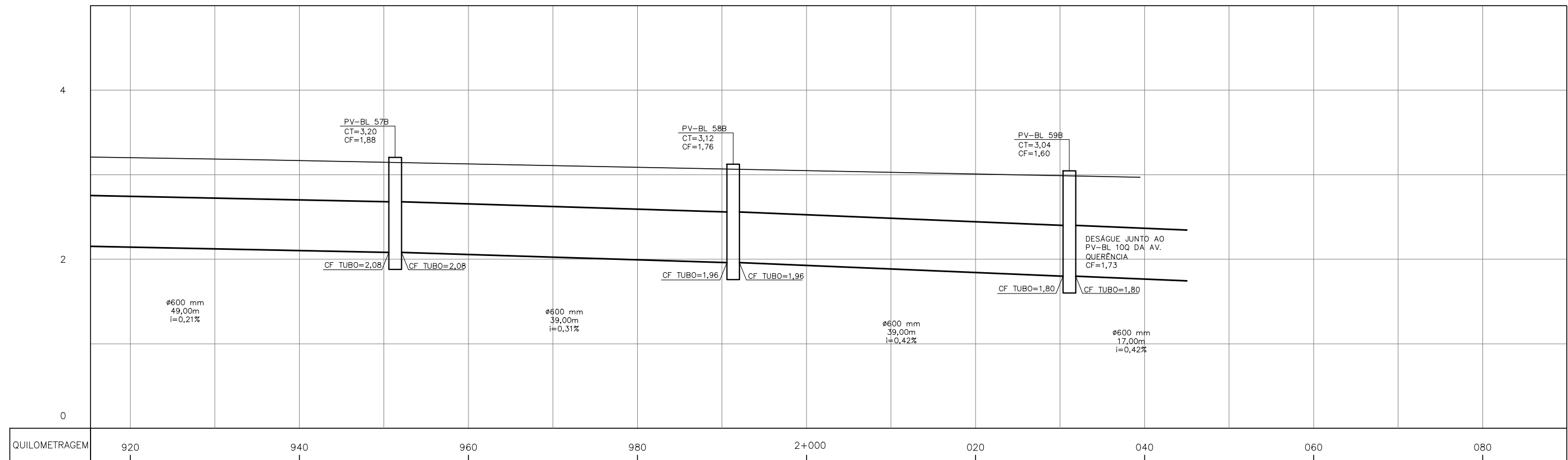




PROJETADO POR: 	EQUIPE TÉCNICA		
	RESPONSÁVEL TÉCNICO:	COORDENADOR:	PROJETISTA:
	ARISTÓTELES JOSÉ BOURSCHIED CREA 9.409	CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

PREFEITURA MUNICIPAL DE RIO GRANDE		ESCALA:
	PROJETOS DE INFRAESTRUTURA DE ENGENHARIA – FASE 1	V = 1:50
	VIAS ESTRUTURANTES – BALNEÁRIO CASSINO – RIO GRANDE/RS	H = 1:500
	PROJETO DE DRENAGEM	DATA:
	AVENIDA BRASIL	AGOSTO/2015
	km 1+600 ao km 1+760	PRANCHA:
		PD-11





<div> <div>BOURSCHEID</div> <div>ENGENHARIA DE INFRA-ESTRUTURA</div> </div>	EQUIPE TÉCNICA		
	RESPONSÁVEL TÉCNICO:	COORDENADOR:	PROJETISTA:
	ARISTÓTELES JOSÉ BOURSCHEID CREA 9.409	CYLLON F. ROSA NETO CREA 44.757	NEY R. L. DA SILVA CREA 146.352

<div> <div>PREFEITURA MUNICIPAL DE RIO GRANDE</div> <div>PROJETOS DE INFRA-ESTRUTURA DE ENGENHARIA - FASE 1</div> <div>VIAS ESTRUTURANTES - BALNEÁRIO CASSINO - RIO GRANDE/RS</div> <div>PROJETO DE DRENAGEM</div> <div>AVENIDA BRASIL</div> <div>km 1+920 ao km 2+039</div> </div>	ESCALA: V = 1:50 H = 1:500	
	DATA: AGOSTO/2015	
	PRANCHA: PD-13	