
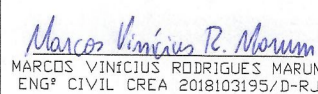
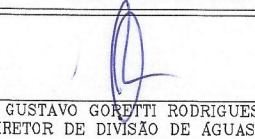
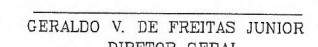
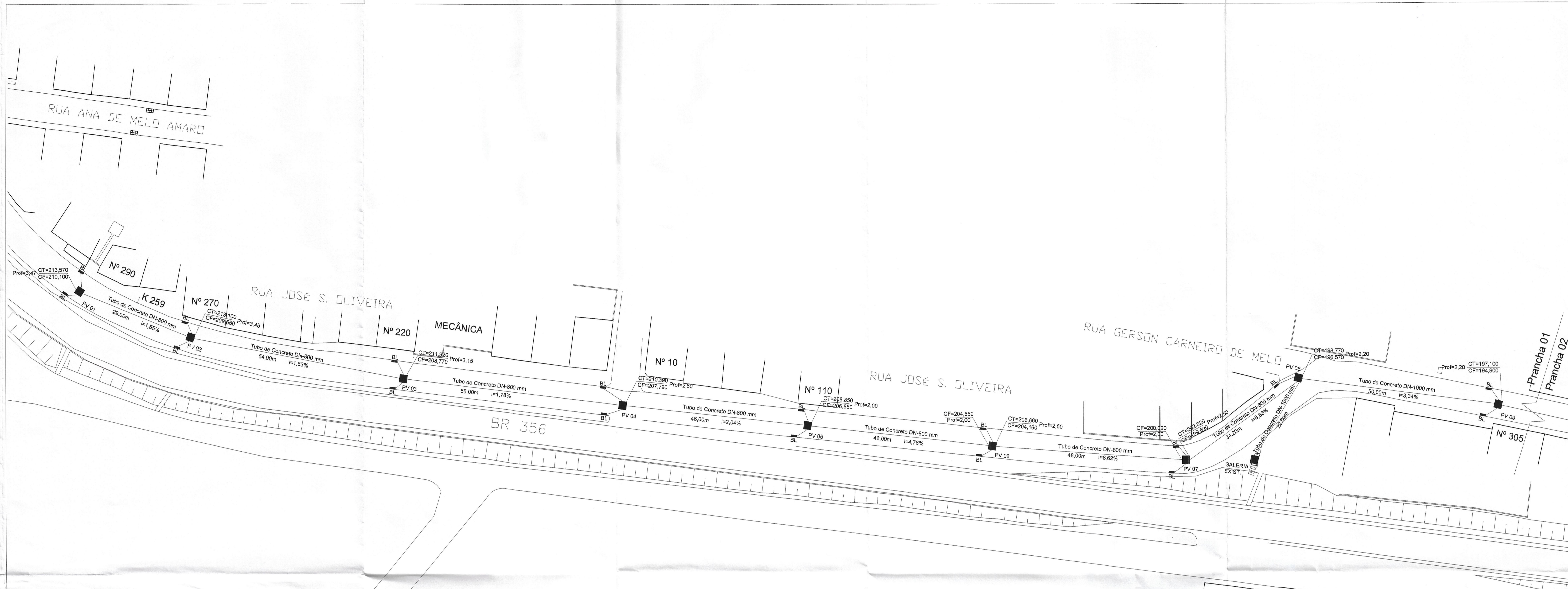

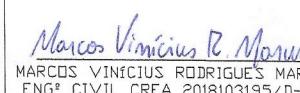




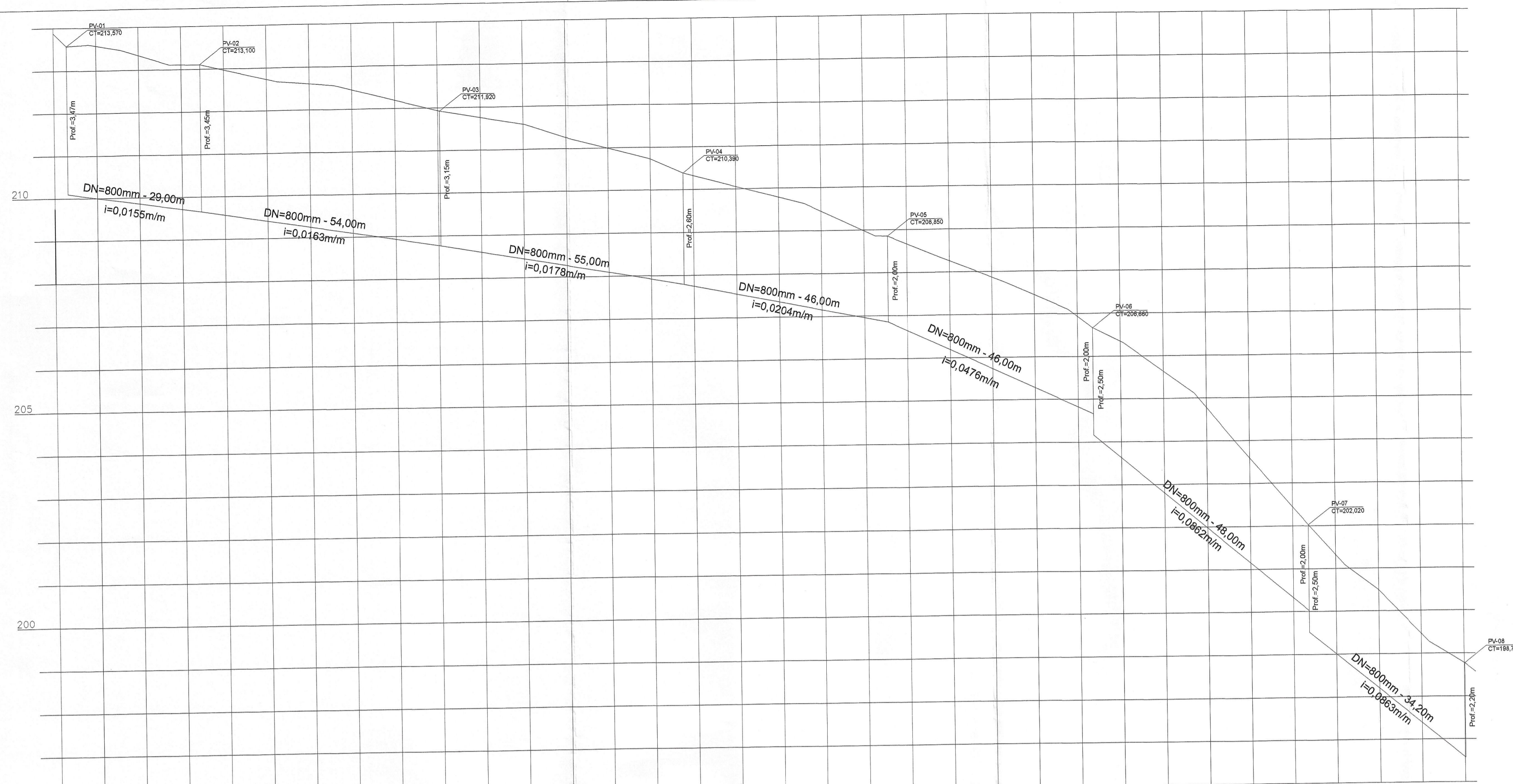
PLANTA
ESCALA: 1:400

 DEMSUR	Projeto de Drenagem Pluvial		DP 884
	LOCAL DA OBRAS Rua José S. Oliveira, Rua Regina Antunes Napoleão e Rua das Drouideas.		
EXTENSÃO DA ÁREA	ESCALA	DATA	
683,20m	INDICADA	20/05/2019	
RESPONSÁVEL:	DEMSUR - DEPARTAMENTO MUNICIPAL DE SANEAMENTO URBANO		
 MARCOS VINÍCIUS RODRIGUES MARIM ENGR. CIVIL CREA 268103195/2-RJ	 GUSTAVO GÓES RODRIGUES DIRETOR DE SERVIÇOS DE ÁGUAS E ESGOTOS	 GERALDO V. DE FREITAS JUNIOR DIRETOR GERAL	



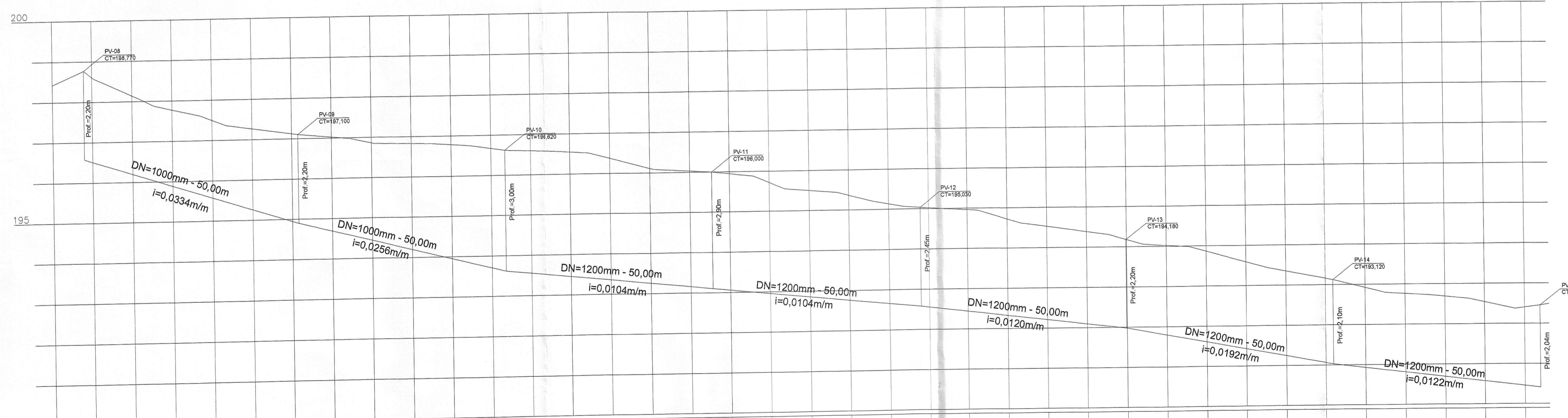
PLANTA
ESCALA: 1:500

	Projeto de Drenagem Pluvial	DP 884
	<small>LOCAL: SA CERA Rua José S. Oliveira, Rua Regina Antunes Napoleão e Rua das Orquídeas</small>	
EXTENSÃO DA ÁREA	ESCALA	DATA
693,20m	INDICADA	20/05/2019
RESPONSÁVEL:	DEMSUR - DEPARTAMENTO MUNICIPAL DE SANEAMENTO URBANO	
 <small>MARCOS VINÍCIUS RODRIGUES MOURÃO ENGRº CIVIL CREA 20180395/D-RJ</small>	 <small>GUSTAVO DUARTE RODRIGUES DIRETOR DE DIVISÃO DE ÁGUAS E ESGOTOS</small>	 <small>GERALDO V. DE FREITAS JUNIOR DIRETOR GERAL</small>



Cotas do terreno	Estaca	Distância
213,880	0	0,000
213,650	0+10,000	10,000
213,470	1	20,000
213,337	1+10,000	30,000
213,110	2	40,000
212,966	2+10,000	50,000
212,731	3	60,000
212,670	3+10,000	70,000
212,608	4	80,000
212,560	4+10,000	90,000
212,459	5	100,000
212,310	5+10,000	110,000
212,190	6	120,000
211,931	6+10,000	130,000
211,756	7	140,000
211,585	7+10,000	150,000
211,289	8	160,000
210,992	8+10,000	170,000
210,728	9	180,000
210,526	9+10,000	190,000
210,268	10	200,000
209,920	10+10,000	210,000
209,791	11	220,000
209,630	11+10,000	230,000
209,417	12	240,000
209,282	12+10,000	250,000
209,092	13	260,000
208,865	13+10,000	270,000
208,540	14	280,000
208,236	14+10,000	290,000
207,965	15	300,000
207,750	15+10,000	310,000
207,441	16	320,000
207,100	16+10,000	330,000
206,930	17	340,000
206,638	17+10,000	350,000
206,370	18	360,000
206,176	18+10,000	370,000
205,950	19	380,000
205,710	19+10,000	390,000
205,440	20	400,000
205,210	20+10,000	410,000
204,970	21	420,000
204,750	21+10,000	430,000
204,441	22	440,000
204,190	22+10,000	450,000
203,930	23	460,000
203,638	23+10,000	470,000
203,370	24	480,000
203,176	24+10,000	490,000
202,950	25	500,000
202,710	25+10,000	510,000
202,440	26	520,000
202,210	26+10,000	530,000
201,970	27	540,000
201,750	27+10,000	550,000
201,441	28	560,000
201,190	28+10,000	570,000
200,930	29	580,000
200,638	29+10,000	590,000
200,370	30	600,000
200,176	30+10,000	610,000
199,950	31	620,000
199,710	31+10,000	630,000
199,440	32	640,000
199,210	32+10,000	650,000
198,970	33	660,000
198,750	33+10,000	670,000
198,520	34	680,000
198,280	34+10,000	690,000
198,050	35	700,000
197,810	35+10,000	710,000
197,540	36	720,000
197,300	36+10,000	730,000
197,070	37	740,000
196,830	37+10,000	750,000
196,570	38	760,000
196,330	38+10,000	770,000
196,070	39	780,000
195,830	39+10,000	790,000
195,570	40	800,000
195,330	40+10,000	810,000
195,070	41	820,000
194,830	41+10,000	830,000
194,570	42	840,000
194,330	42+10,000	850,000
194,070	43	860,000
193,830	43+10,000	870,000
193,570	44	880,000
193,330	44+10,000	890,000
193,070	45	900,000
192,830	45+10,000	910,000
192,570	46	920,000
192,330	46+10,000	930,000
192,070	47	940,000
191,830	47+10,000	950,000
191,570	48	960,000
191,330	48+10,000	970,000
191,070	49	980,000
190,830	49+10,000	990,000
190,570	50	1000,000

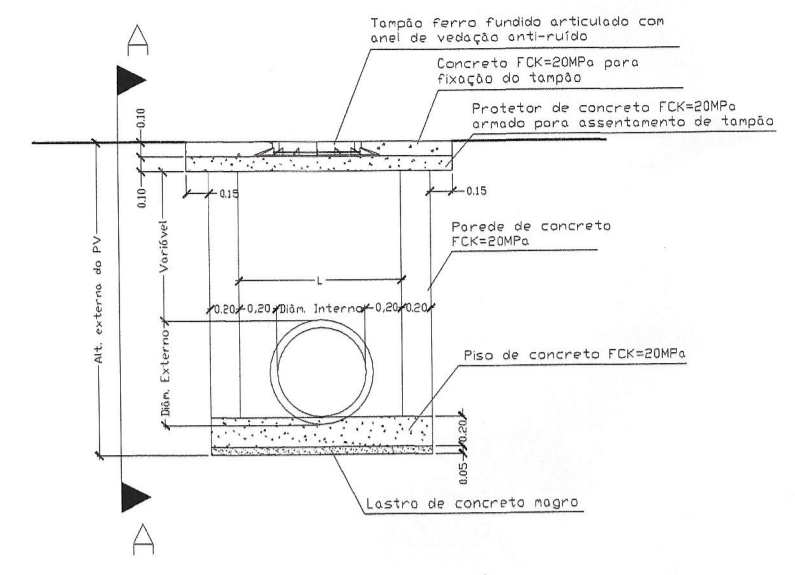
RUA JOSÉ S OLIVEIRA
ESCALA: 1:750



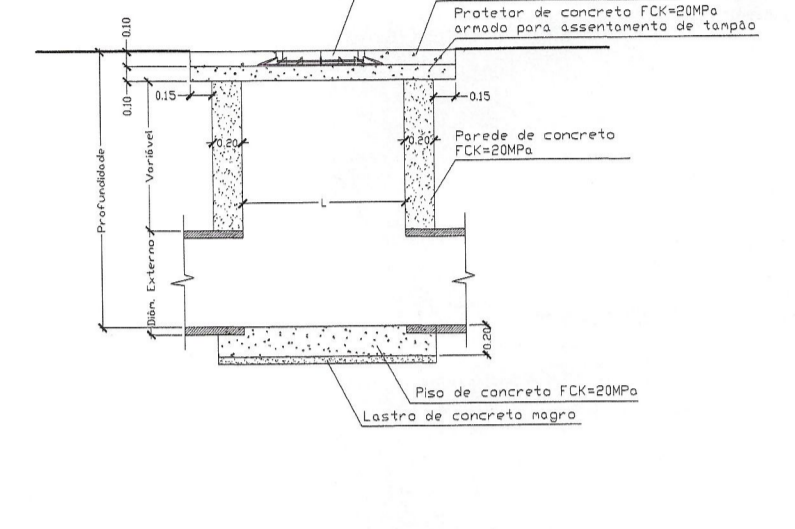
Cotas do terreno	Estaca	Distância
198,430	0	0,000
198,200	0+10,000	10,000
198,138	1	20,000
198,050	1+10,000	30,000
197,880	2	40,000
197,774	2+10,000	50,000
197,610	3	60,000
197,496	3+10,000	70,000
197,360	4	80,000
197,265	4+10,000	90,000
197,122	5	100,000
197,022	5+10,000	110,000
196,980	6	120,000
196,896	6+10,000	130,000
196,827	7	140,000
196,820	7+10,000	150,000
196,785	8	160,000
196,750	8+10,000	170,000
196,673	9	180,000
196,594	9+10,000	190,000
196,570	10	200,000
196,542	10+10,000	210,000
196,510	11	220,000
196,370	11+10,000	230,000
196,288	12	240,000
196,231	12+10,000	250,000
196,031	13	260,000
195,950	13+10,000	270,000
195,880	14	280,000
195,716	14+10,000	290,000
195,550	15	300,000
195,399	15+10,000	310,000
195,440	16	320,000
195,361	16+10,000	330,000
195,210	17	340,000
195,136	17+10,000	350,000
195,070	18	360,000
195,018	18+10,000	370,000
194,964	19	380,000
194,950	19+10,000	390,000
194,772	20	400,000
194,670	20+10,000	410,000
194,570	21	420,000
194,440	21+10,000	430,000
194,310	22	440,000
194,176	22+10,000	450,000
194,050	23	460,000
194,024	23+10,000	470,000
193,990	24	480,000
193,869	24+10,000	490,000
193,590	25	500,000
193,440	25+10,000	510,000
193,350	26	520,000
193,250	26+10,000	530,000
193,157	27	540,000
192,970	27+10,000	550,000
192,790	28	560,000
192,761	28+10,000	570,000
192,720	29	580,000
192,688	29+10,000	590,000
192,630	30	600,000
192,540	30+10,000	610,000
192,370	31	620,000
192,400	31+10,000	630,000
192,490	32	640,000
192,320	32+10,000	650,000

RUA REGINA ANTUNES NAPOLÉÃO
ESCALA: 1:750

PV DRENAGEM BUEIRO SIMPLES PADRÃO
DEMSUR - ESCALA: 1:50

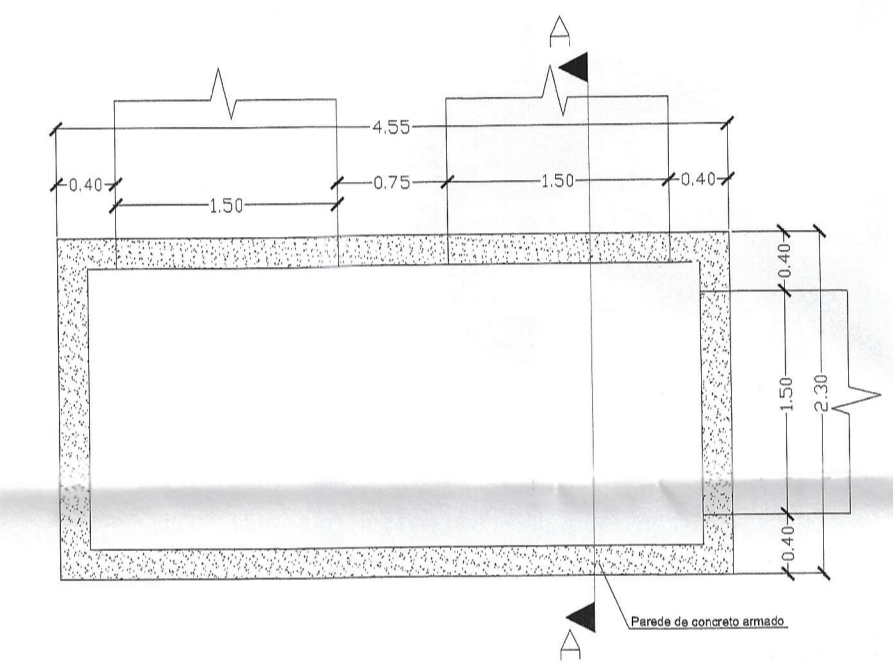


CORTE AA
ESCALA: 1:50

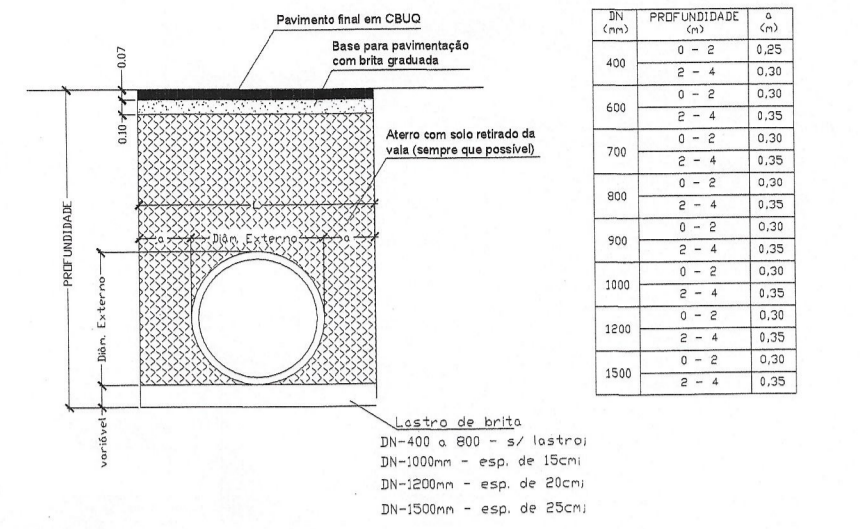


DETALHE DO PV 16 - TRANSIÇÃO DE BUEIRO SIMPLES PARA BUEIRO DUPLO
ESCALA: 1:50

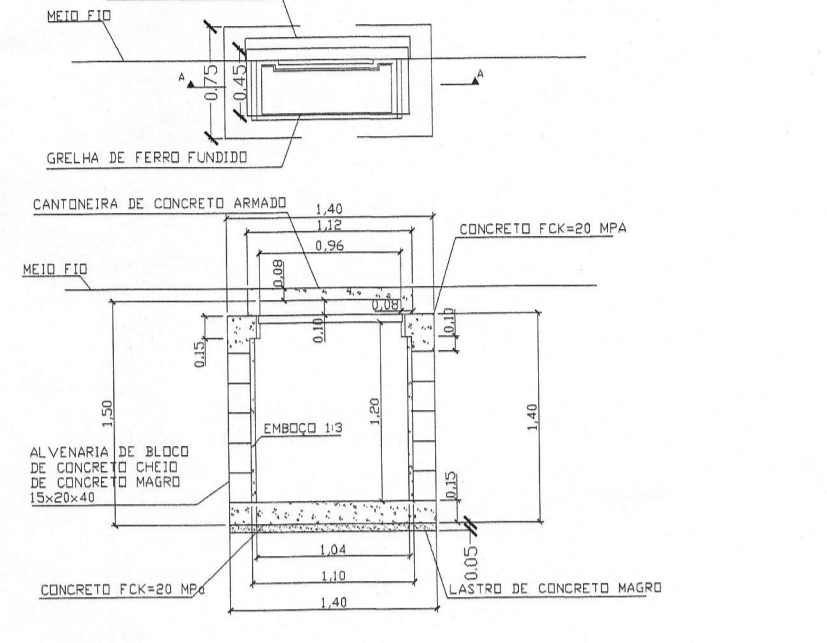
VISTA EM PLANTA



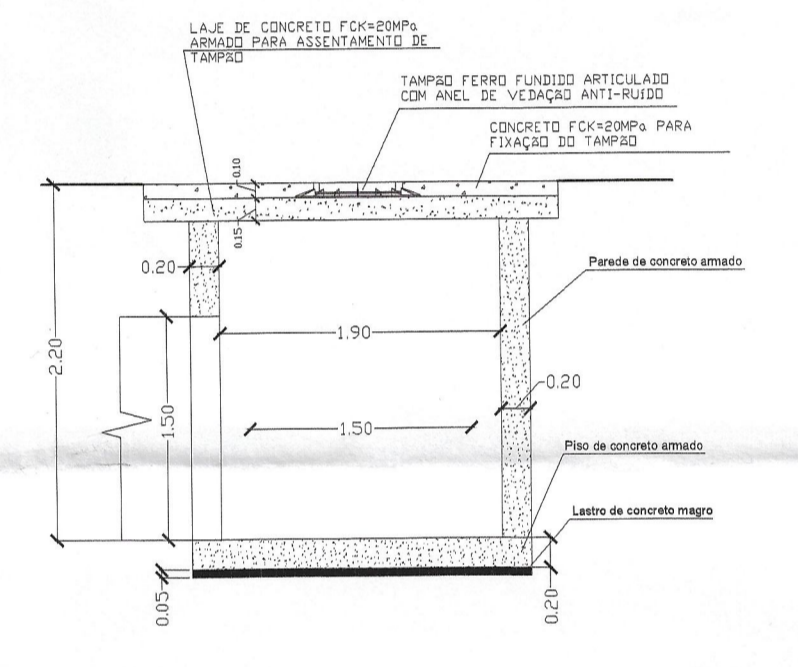
DETALHE DA VALA BUEIRO
SIMPLES DE CONCRETO



BOCA DE LOBO PADRÃO DEMSUR
Escala: 1:50



CORTE AA



Cotas do terreno	Estaca	Distância
193,120	0	0,000
192,650	0+10,000	10,000
192,552	1	20,000
192,490	1+10,000	30,000
192,467	2	40,000
192,500	2+10,000	50,000
192,529	3	60,000
192,320	3+10,000	70,000

RUA DAS ORQUÍDEAS
ESCALA: 1:750

Projeto de Drenagem Pluvial		DP 884
		MURIAE- MG
EXTENSÃO DA ÁREA	ESCALA	DATA
683,20m	INDICADA	20/05/2019
RESPONSÁVEL:	DEMSUR - DEPARTAMENTO MUNICIPAL DE SANEAMENTO URBANO	
 MARCOS VINÍCIUS RODRIGUES MARIM ENGRº CIVIL, CREA 201802195/D-RJ	 GUSTAVO GOBELLI RODRIGUES DIRETOR DE DISTRITO DE ÁGUAS E RESORTOS	 GERALDO V. DE FREITAS JUNIOR DIRETOR GERAL