

Vigas		Elevação (cm)	Nível (cm)
Nome	Seção (cm)		
V1	15x50	0	0
V2	15x50	0	0
V3	15x50	0	0
V4	15x40	0	0
V5	15x40	0	0
V6	15x50	0	0
V7	15x50	0	0
V8	15x50	0	0
V9	15x50	0	0
V10	15x40	0	0
V11	15x40	0	0
V12	15x50	0	0
V13	15x50	0	0
V14	15x50	0	0
V15	15x50	0	0
V16	15x50	0	0
V17	15x50	0	0
V18	15x50	0	0
V19	15x50	0	0
V20	15x40	0	0
V21	15x40	0	0
V22	15x50	0	0
V23	15x50	0	0
V24	15x50	0	0
V25	15x50	0	0
V26	15x50	0	0
V27	15x50	0	0
V28	15x50	0	0
V29	15x40	0	0
V30	15x40	0	0
V31	15x40	0	0
V32	15x50	0	0

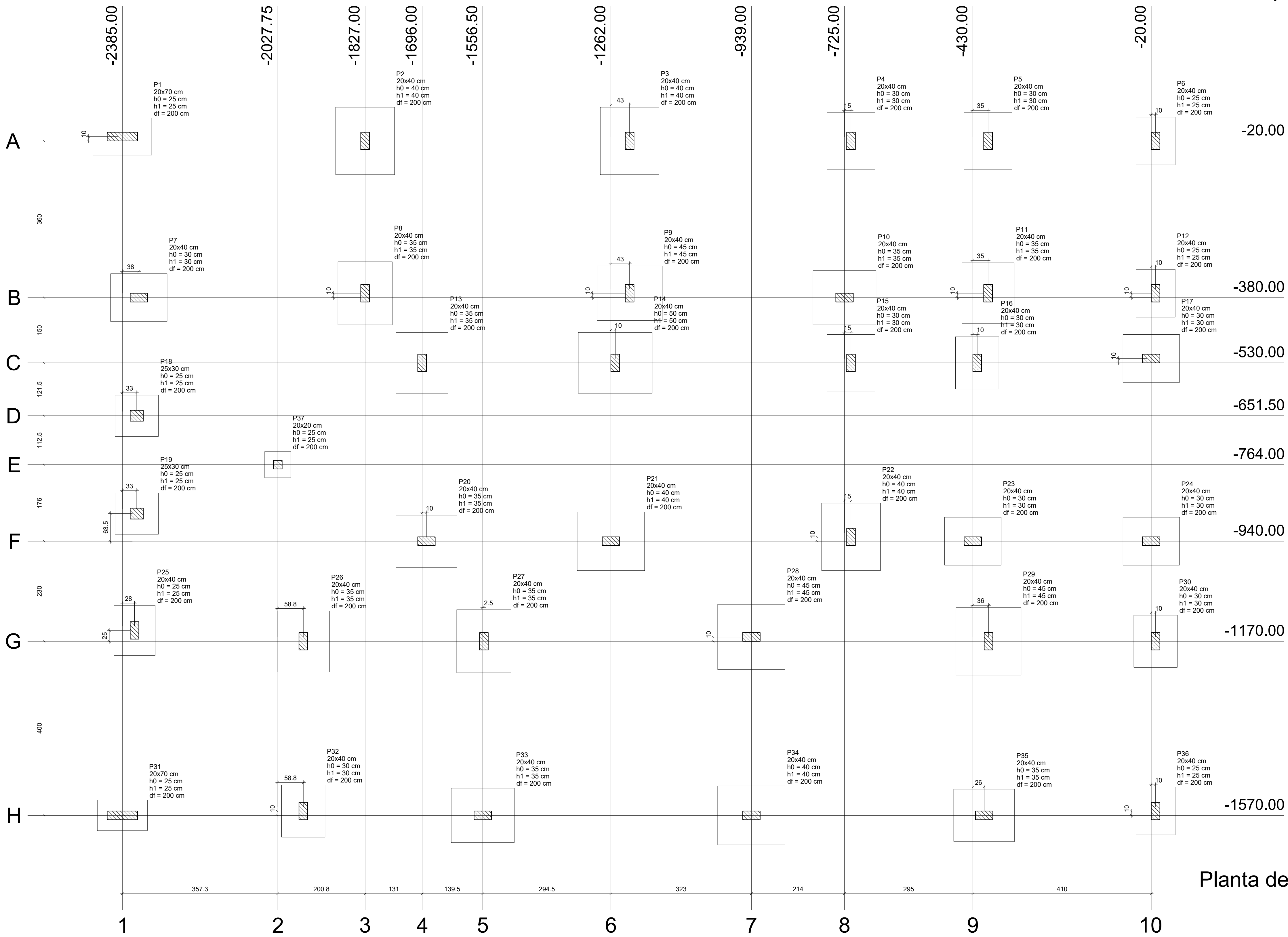
Características dos materiais			Eixo
Elemento	fcd (kgf/cm²)	fctd (kgf/cm²)	
Vigas	300	300	260716
Pilares	300	300	260716
Placas	200	200	212074
Sapatas	300	300	260716

Pilares		Elevação (cm)	Nível (cm)
Nome	Seção (cm)		
P1	20 x 70	0	0
P2	20 x 40	0	0
P3	20 x 40	0	0
P4	20 x 40	0	0
P5	20 x 40	0	0
P6	20 x 40	0	0
P7	20 x 40	0	0
P8	20 x 40	0	0
P9	20 x 40	0	0
P10	20 x 40	0	0
P11	20 x 40	0	0
P12	20 x 40	0	0
P13	20 x 40	0	0
P14	20 x 40	0	0
P15	20 x 40	0	0
P16	20 x 40	0	0
P17	20 x 40	0	0
P18	25 x 30	0	0
P19	25 x 30	0	0
P20	20 x 40	0	0
P21	20 x 40	0	0
P22	20 x 40	0	0
P23	20 x 40	0	0
P24	20 x 40	0	0
P25	20 x 40	0	0
P26	20 x 40	0	0
P27	20 x 40	0	0
P28	20 x 40	0	0
P29	20 x 40	0	0
P30	20 x 40	0	0
P31	20 x 70	0	0
P32	20 x 40	0	0
P33	20 x 40	0	0
P34	20 x 40	0	0
P35	20 x 40	0	0
P36	20 x 40	0	0
P37	20 x 20	0	0

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção

Forma do pavimento baldrame

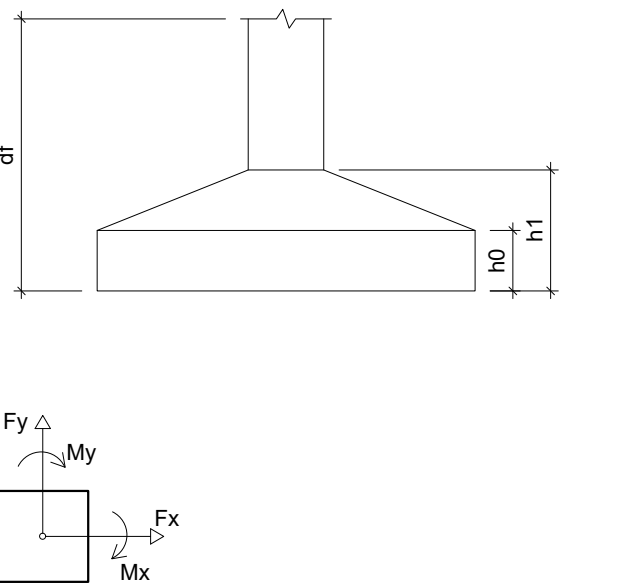
escala 1:50



Planta de localização

escala 1:50

Pilar		Fundação									
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Max. (tf)	Carga Min. (tf)	Mx (tf.m)	My (tf.m)	Fx (tf)	Fy (tf)	Lado B (cm)	Lado H (cm)
P1	20x70	-2385.00	-10.00	8.9	7.7	0.0	0.0	1.0	0.1	85	135
P2	20x40	-1827.00	-20.00	14.5	13.0	0.0	0.0	0.1	0.3	135	155
P3	20x40	-1219.00	-20.00	15.6	14.1	0.0	0.0	0.1	0.2	135	155
P4	20x40	-710.00	-20.00	10.0	8.9	0.0	0.0	0.2	0.2	110	130
P5	20x40	-395.00	-20.00	10.1	9.0	0.0	0.0	0.2	0.2	110	130
P6	20x40	-10.00	-20.00	6.5	5.8	0.0	0.0	0.3	0.1	90	110
P7	20x40	-5347.00	-380.00	10.8	9.3	0.0	0.0	0.6	0.1	110	130
P8	20x40	-1827.00	-370.00	14.1	12.2	0.0	0.0	0.1	0.3	125	145
P9	20x40	-1219.00	-370.00	14.5	12.8	0.0	0.0	0.1	0.2	150	125
P10	20x40	-725.00	-380.00	12.4	10.8	0.0	0.0	0.3	0.1	125	145
P11	20x40	-395.00	-370.00	11.5	10.1	0.0	0.0	0.2	0.2	120	140
P12	20x40	-10.00	-370.00	7.4	6.6	0.0	0.0	0.1	0.2	90	110
P13	20x40	-1696.00	-530.00	12.6	10.8	0.0	0.0	0.1	0.2	120	140
P14	20x40	-1252.00	-530.00	18.5	16.7	0.0	0.0	0.1	0.1	170	140
P15	20x40	-710.00	-530.00	11.3	9.4	0.0	0.0	0.3	0.1	110	130
P16	20x40	-420.00	-530.00	9.1	7.8	0.0	0.0	0.2	0.1	100	120
P17	20x40	-20.00	-520.00	9.8	8.7	0.0	0.0	0.3	0.1	110	130
P18	25x30	-2352.00	-651.50	7.5	6.1	0.0	0.0	0.4	0.1	95	100
P19	25x30	-2352.00	-676.50	7.3	5.9	0.0	0.0	0.4	0.1	95	100
P20	20x40	-1696.00	-840.00	12.8	10.9	0.0	0.0	0.3	0.2	120	140
P21	20x40	-1262.00	-840.00	16.1	14.3	0.0	0.0	0.3	0.1	135	155
P22	20x40	-710.00	-830.00	14.7	12.9	0.0	0.0	0.3	0.3	135	155
P23	20x40	-430.00	-840.00	10.1	8.6	0.0	0.0	0.3	0.1	110	130
P24	20x40	-20.00	-840.00	11.0	9.7	0.0	0.0	0.3	0.1	110	130
P25	20x40	-2357.00	-1145.00	8.1	6.8	0.0	0.0	0.1	0.1	95	115
P26	20x40	-1969.00	-1170.00	12.4	10.5	0.0	0.0	0.1	0.1	120	140
P27	20x40	-1554.00	-1170.00	14.4	12.4	0.0	0.0	0.3	0.2	125	145
P28	20x40	-939.00	-1160.00	17.9	15.6	0.0	0.0	0.2	0.1	150	155
P29	20x40	-394.00	-1170.00	18.2	15.2	0.0	0.0	0.2	0.2	150	155
P30	20x40	-10.00	-1170.00	9.5	8.0	0.0	0.0	0.1	0.2	100	120
P31	20x70	-2385.00	-1570.00	6.1	5.0	0.0	0.0	0.1	0.1	70	115
P32	20x40	-1969.00	-1560.00	9.0	7.8	0.0	0.0	0.1	0.1	100	120
P33	20x40	-1556.50	-1570.00	13.7	12.2	0.0	0.0	0.5	0.1	125	145
P34	20x40	-939.00	-1570.00	16.2	14.5	0.0	0.0	0.1	0.1	135	155
P35	20x40	-404.00	-1570.00	12.8	11.4	0.0	0.0	0.3	0.1	120	140
P36	20x40	-10.00	-1560.00	6.5	5.7	0.0	0.0	0.1	0.1	90	110
P37	20x20	-2027.75	-764.00	2.8	2.6	0.0	0.0	0.1	0.1	60	60



Localização no eixo X		Localização no eixo Y	
Coordenadas (cm)	Nome	Coordenadas (cm)	Nome
-2385.00	P1, P31	-10.00	P1
-2357.00	P2, P3, P4, P5, P6	-20.00	P2, P3, P4, P5, P6
-2352.00	P18, P19	-370.00	P8, P9, P11, P12
-2347.00	P7	-380.00	P7, P10
-2027.75	P37	-520.00	P17
-1827.00	P26, P32	-530.00	P13, P14, P15, P16
-1696.00	P20	-651.50	P18
-1696.00	P13	-764.00	P37
-1556.50	P25	-840.00	P20, P21, P23, P24
-1556.50	P33	-930.00	P22
-1554.00	P27	-940.00	P20, P21, P23, P24
-1502.00	P21	-1145.00	P25
-1252.00	P14	-1160.00	P28
-1219.00	P3, P9	-1170.00	P26, P27, P29, P30
-839.00	P28, P34	-1560.00	P32, P36
-725.00	P10	-1570.00	P31, P33, P34, P35
-710.00	P4, P15, P22		
-430.00	P23		
-420.00	P16		
-404.00	P26		
-395.00	P5, P11		
-394.00	P29		
-20.00	P17, P24		
-10.00	P6, P12, P30, P36		

PROJETO DE ESTRUTURA UBS RETIRO

Assunto: PLANTA DE FORMA BALDRAME E LOCAÇÃO DA FUNDAÇÃO

Local: Rua Beira Linha s/nº, Esquina com Rua Antonio de O. Gabeto - Distrito de Retiro do Muriae - Itaperuna / RJ

Proprietário: PREFEITURA MUNICIPAL DE ITAPERUNA/RJ  
CPF: 28.916.716/0001-52

Autor do projeto: Maxwell Carlos Pereira Couto  
CREA 2012116600 RJ

Data: 2025  
Escala: Indicada  
Folha: A0  
Prancha: 01/09