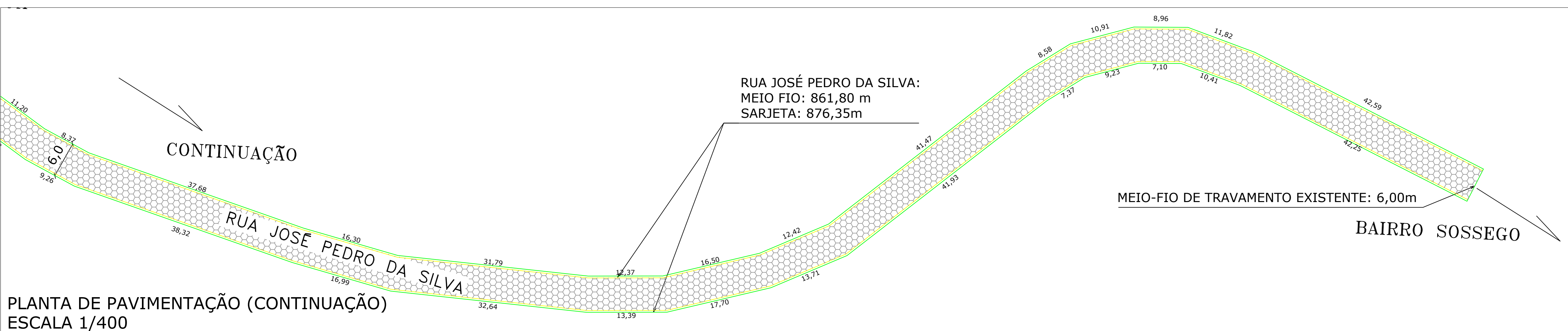
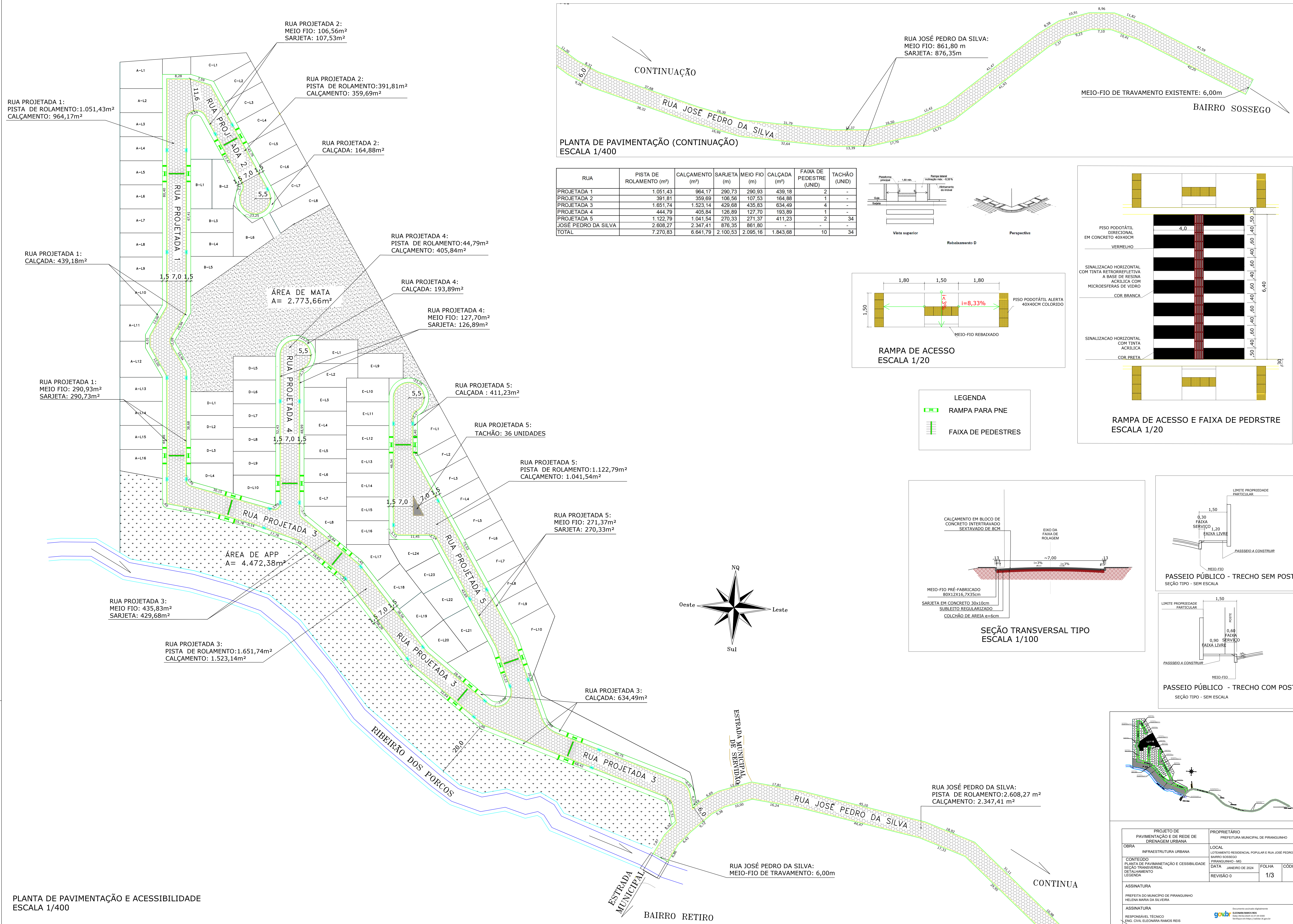
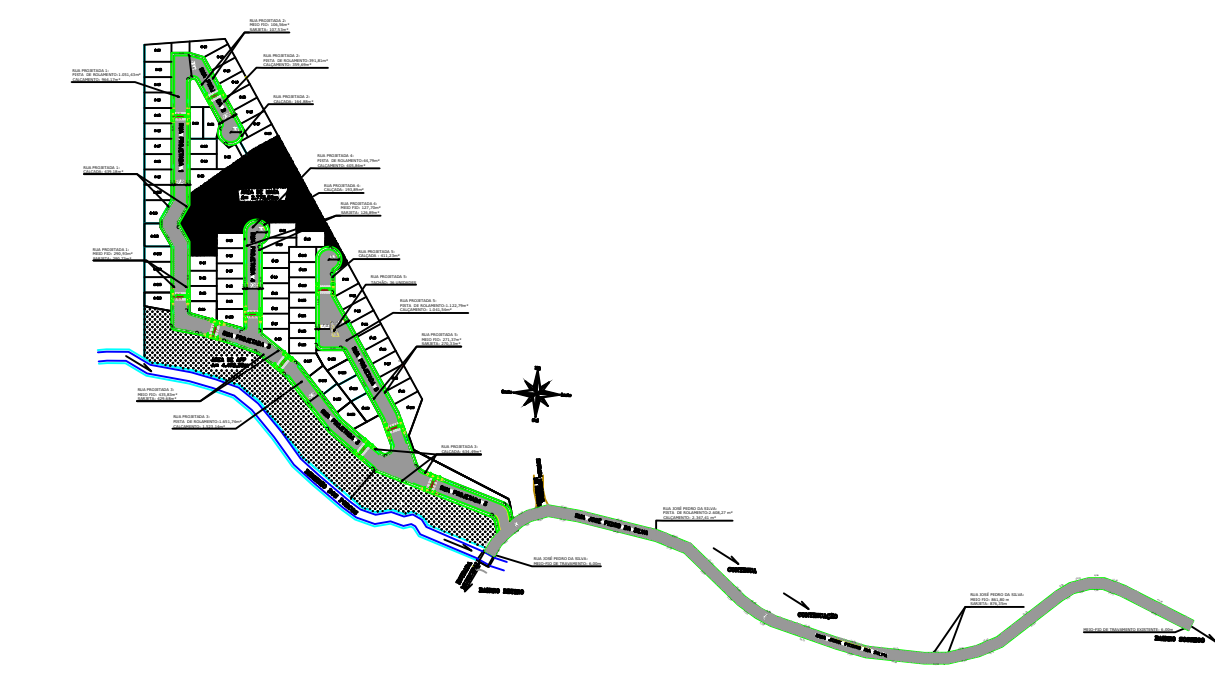
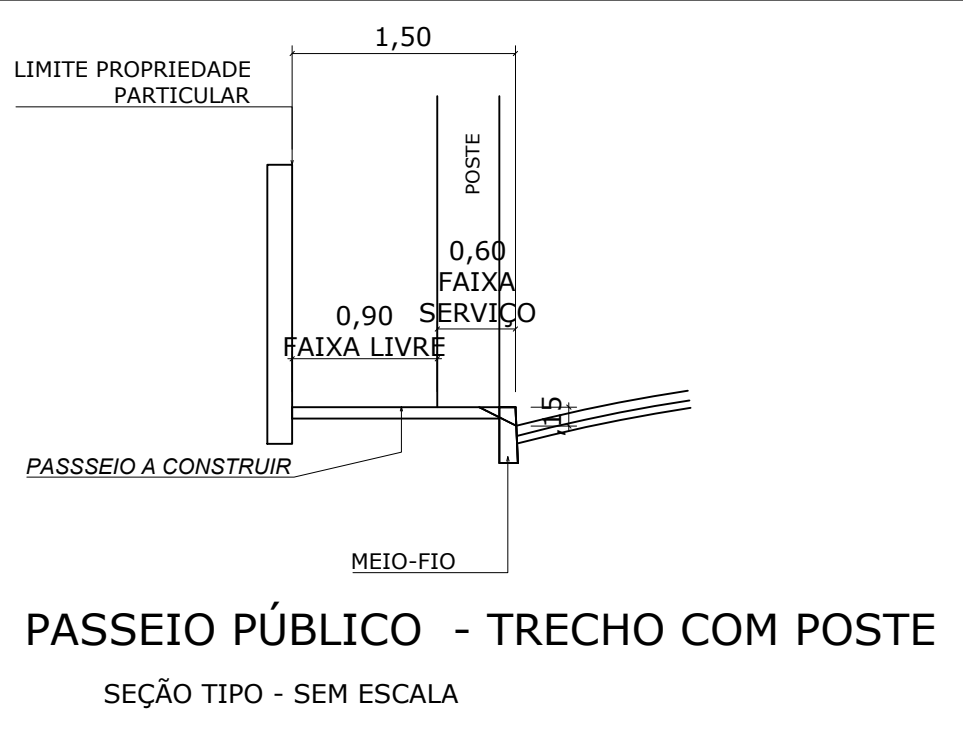
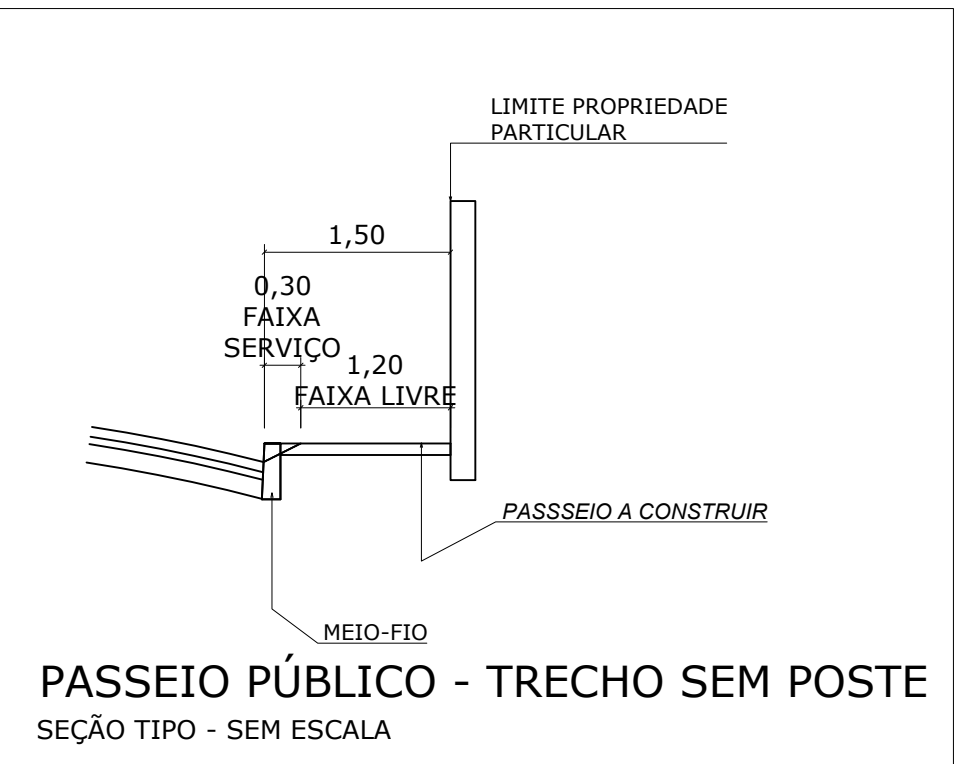
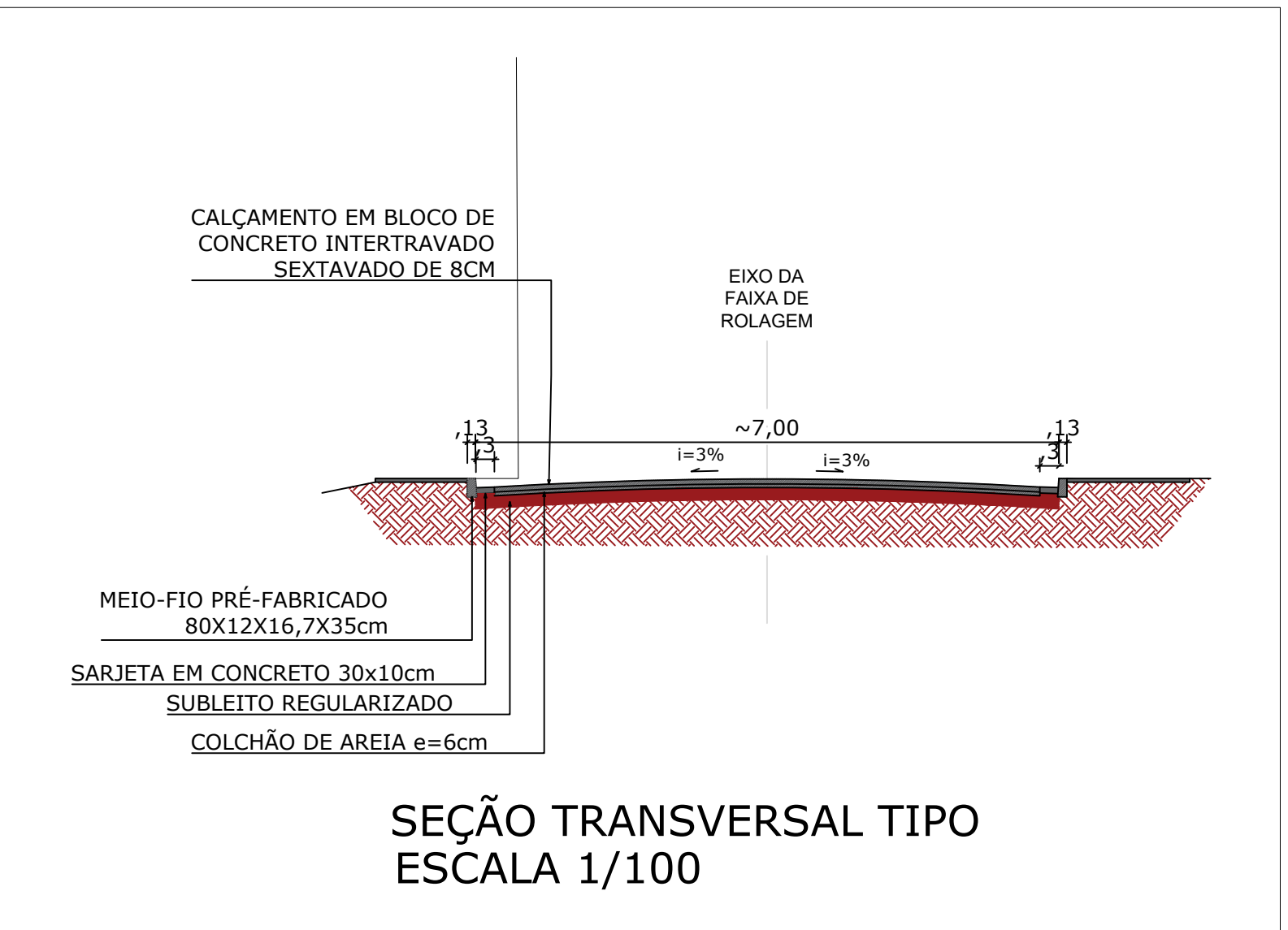
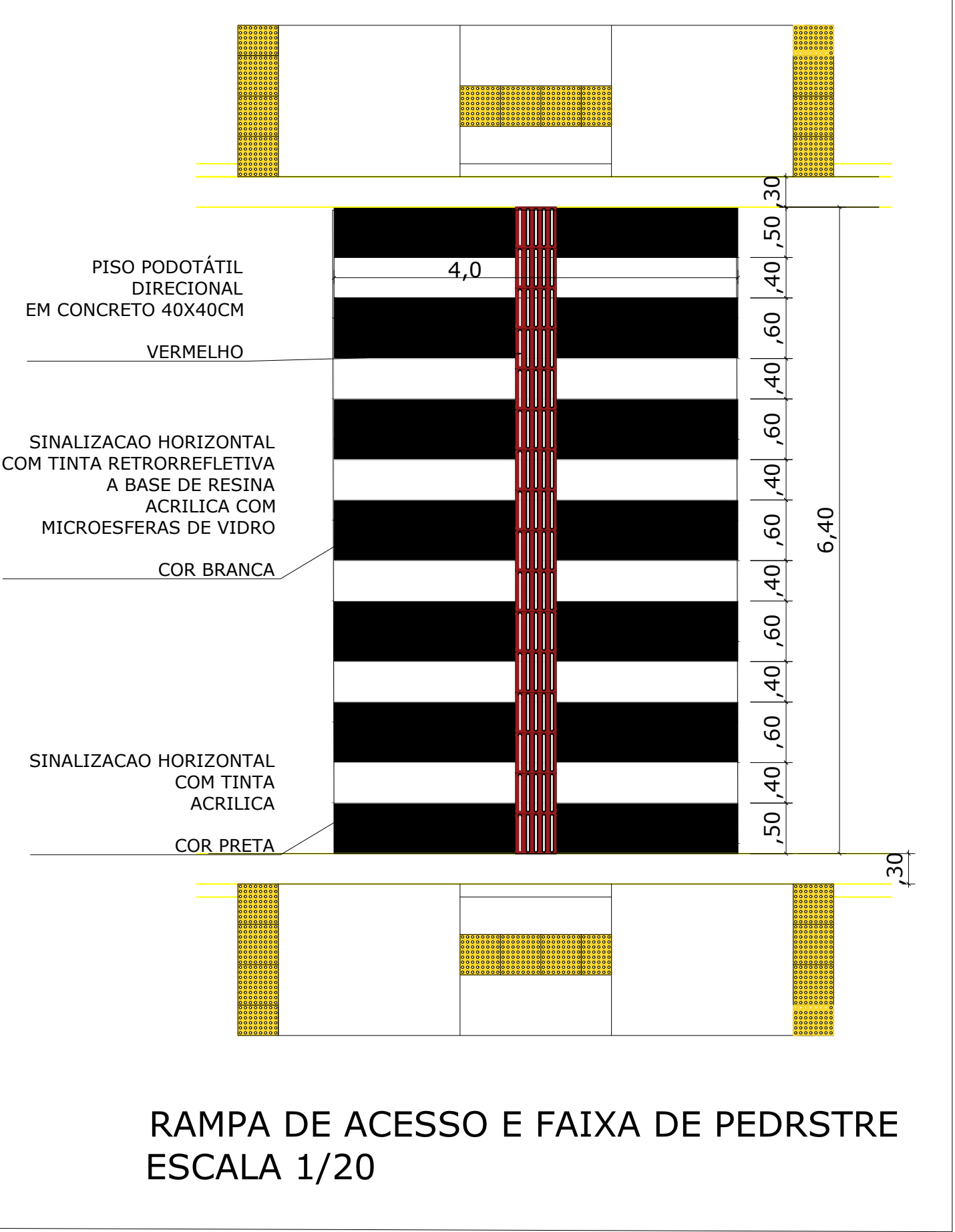
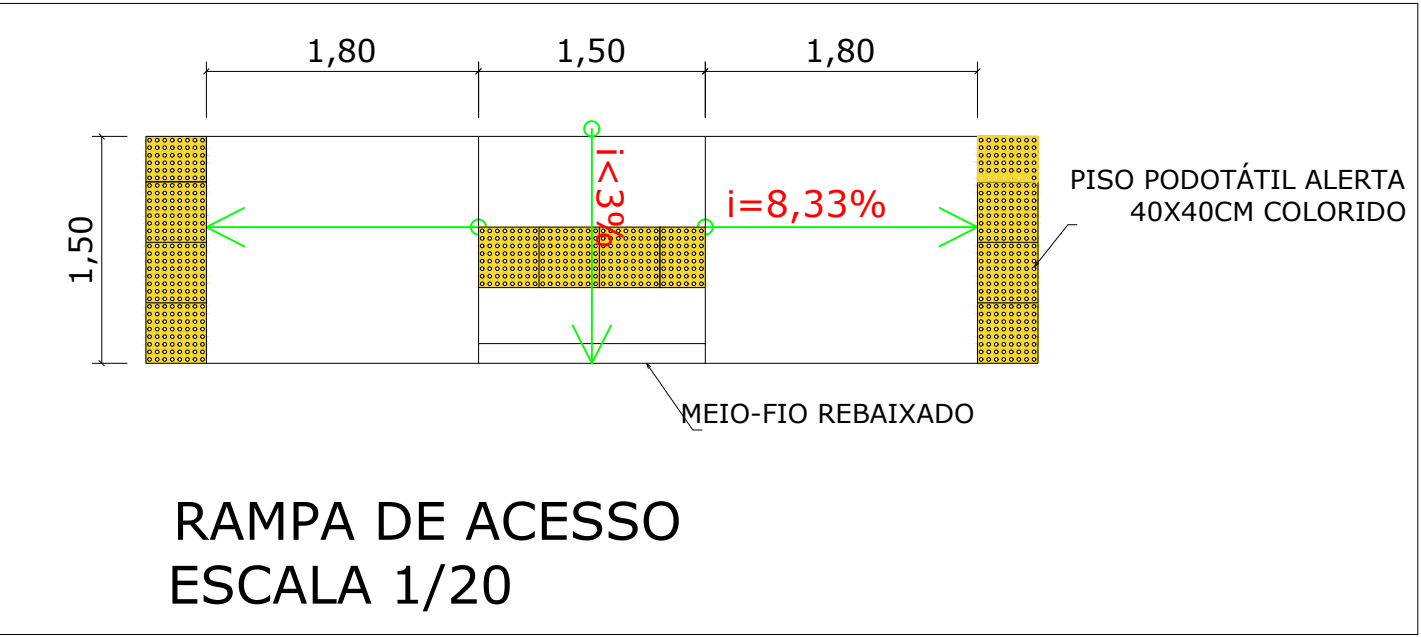
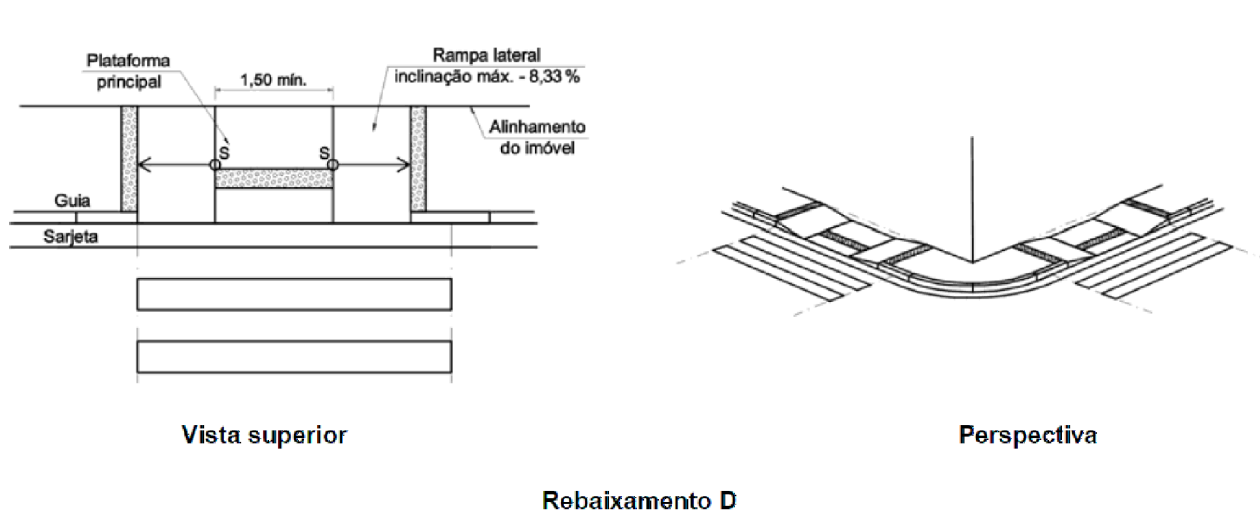


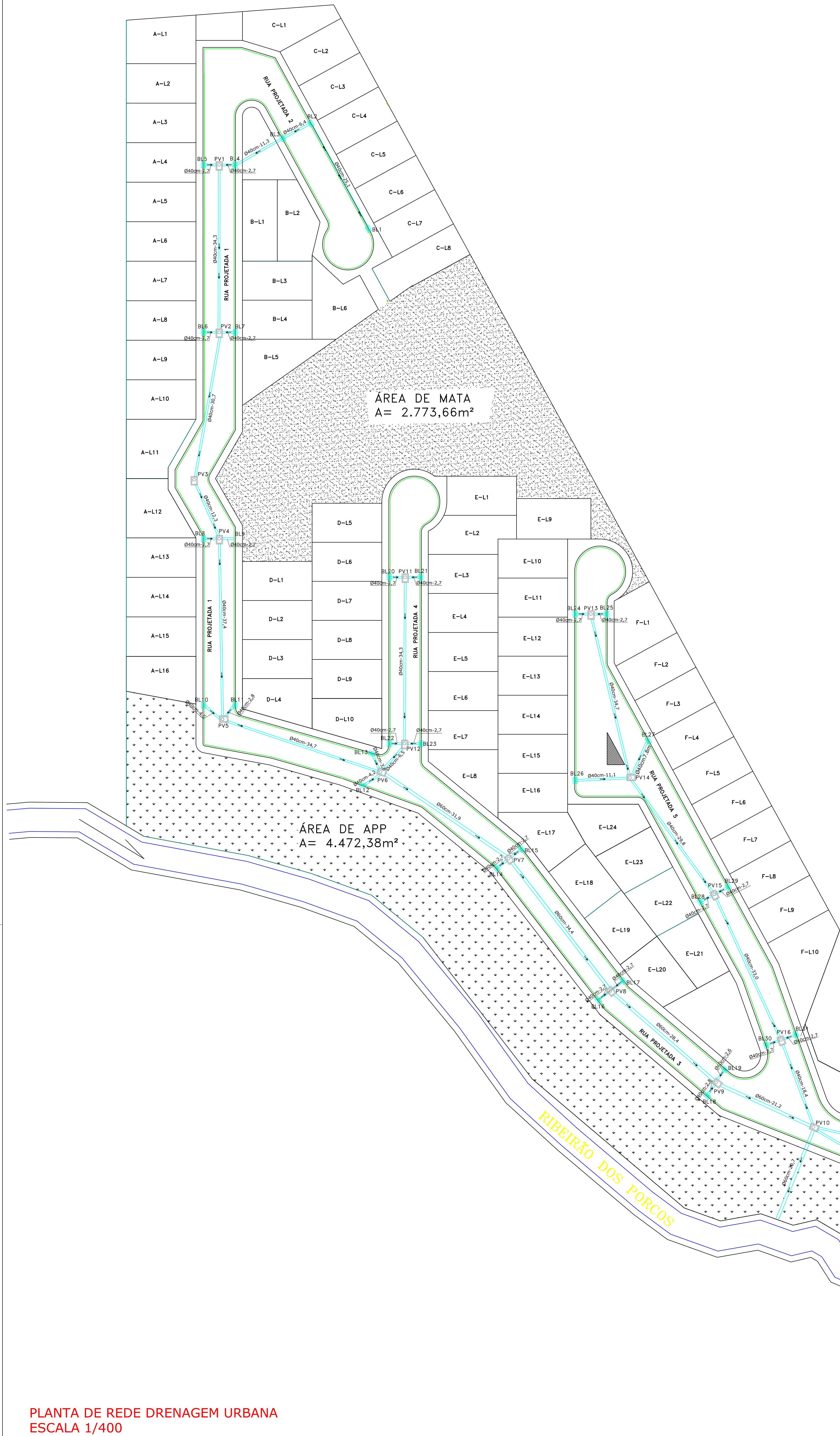


RUA	PISTA DE ROLAMENTO (m²)	CALÇAMENTO (m²)	SARJETA (m)	MEIO FIO (m)	CALÇADA (m²)	FAIXA DE PEDESTRE (UNID)	TACHÃO (UNID)
PROJETADA 1	1.051,43	964,17	290,73	290,93	439,18	2	-
PROJETADA 2	391,81	359,69	106,56	107,53	164,88	1	-
PROJETADA 3	1.651,74	1.523,14	429,68	435,83	634,49	4	-
PROJETADA 4	444,79	405,84	126,89	127,70	193,89	1	-
PROJETADA 5	1.122,79	1.041,54	270,33	271,37	411,23	2	34
JOSÉ PEDRO DA SILVA	2.608,27	2.347,41	876,35	861,80	-	-	-
TOTAL	7.270,83	6.641,79	2.100,53	2.095,16	1.843,68	10	34

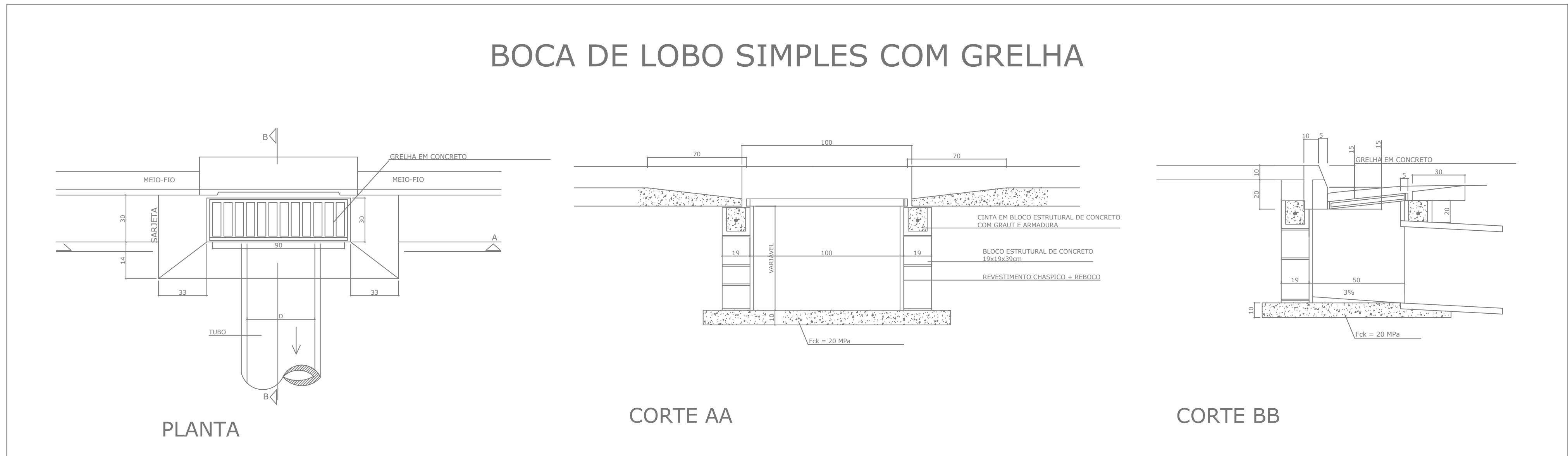


PLANTA DE PAVIMENTAÇÃO E ACESSIBILIDADE
ESCALA 1/400

PROJETO DE PAVIMENTAÇÃO E DE REDE DE DRENAGEM URBANA				PROPRIETÁRIO PREFEITURA MUNICIPAL DE PIRANGUINHO	
OBRA	INFRAESTRUTURA URBANA	LOCAL LOTAMENTO RESIDENCIAL POPULAR E RUA JOSÉ PEDRO DA SILVA BAIRRO SOSSEGO		FOLHA 1/3	
CONTEÚDO PLANTA DE PAVIMENTAÇÃO E CESSIBILIDADE SEÇÃO TRANSVERSAL DETALHAMENTO LEGENDA		DATA JANEIRO DE 2024		CÓDIGO	
ASSINATURA PREFEITA DO MUNICÍPIO DE PIRANGUINHO HELENA MARIA DA SILVEIRA		REVISÃO 0		RESPONSÁVEL TÉCNICO ENG. CIVIL ELEONARA RAMOS REIS	

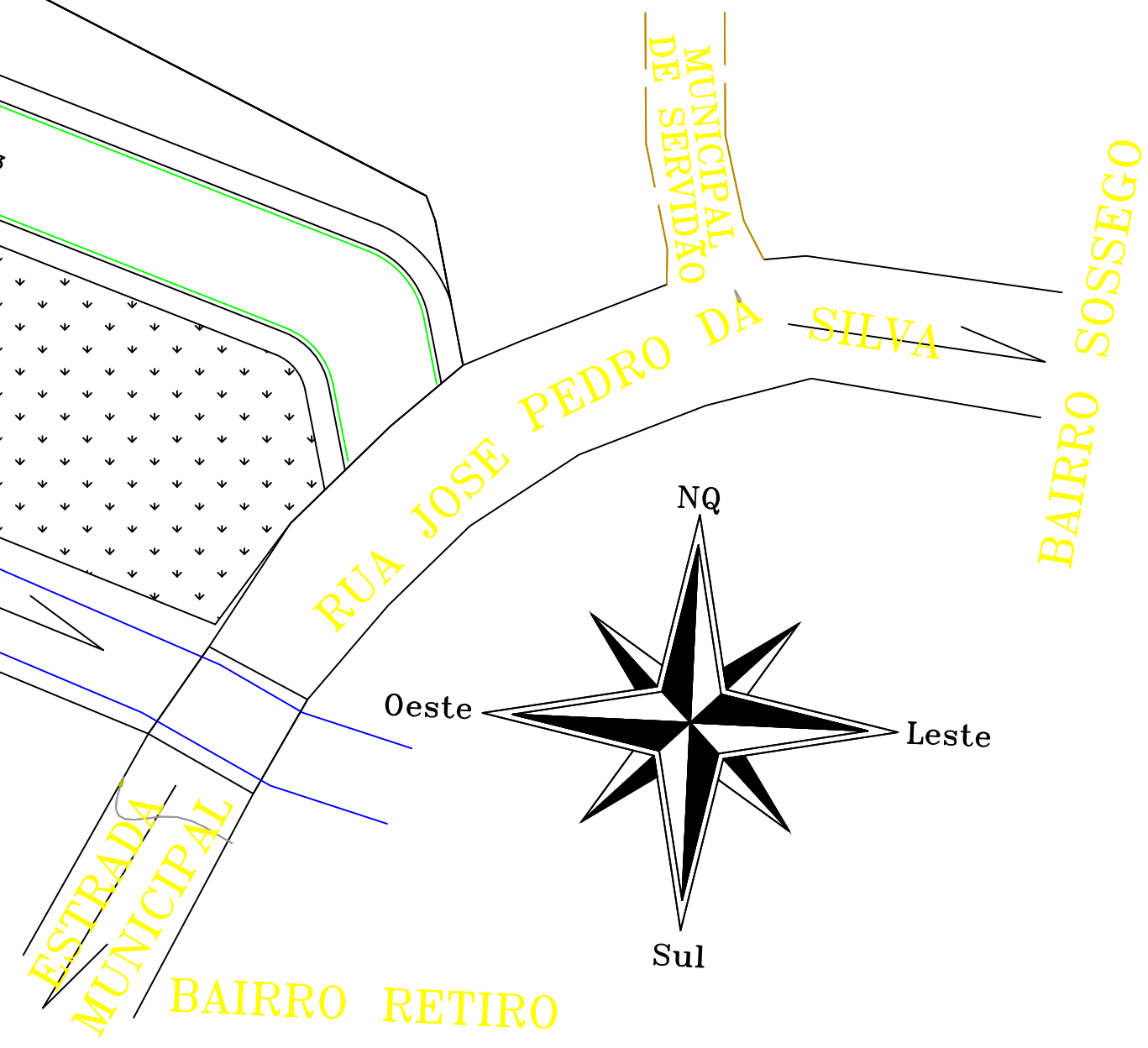
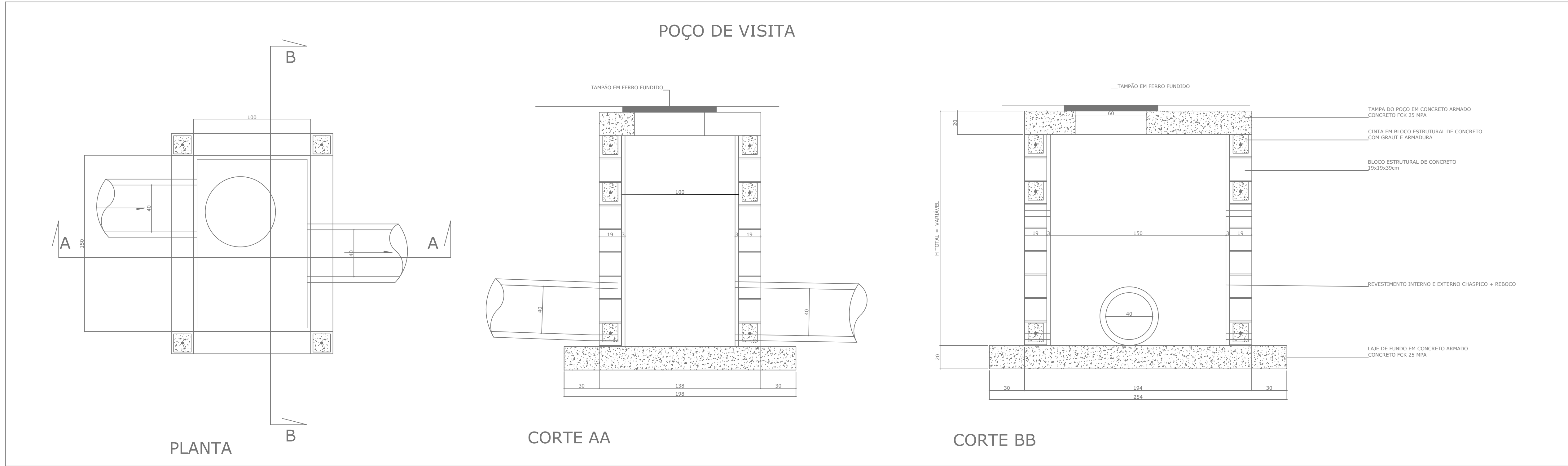


PLANTA DE REDE DRENAGEM URBANA
ESCALA 1/400

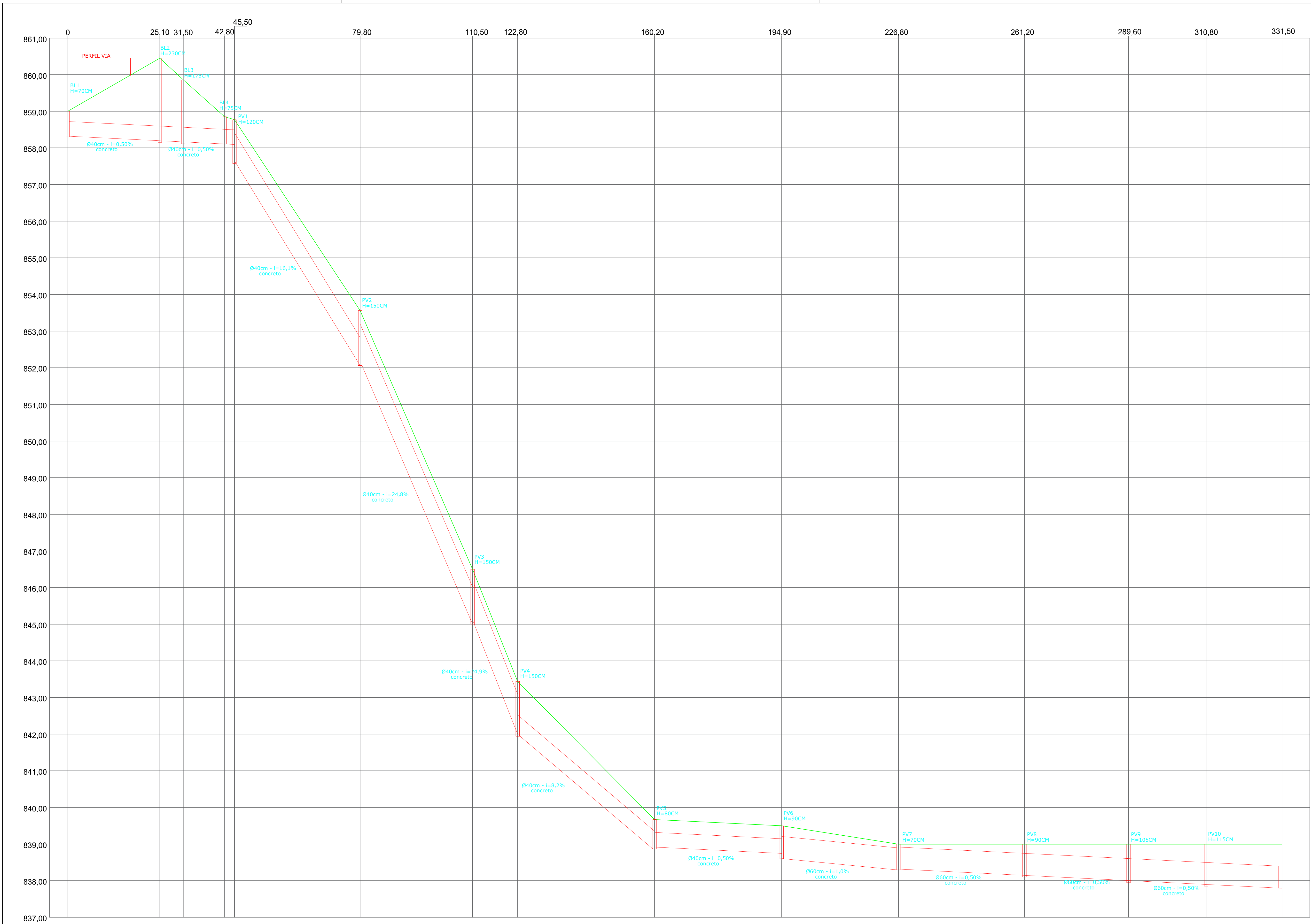


APOIO DA BOCA

CONSUMOS MÉDIOS:
apoio da boca:
CONCRETO = 0,35 m³
FORMA = 5,25 m²



PROJETO DE PAVIMENTAÇÃO E DE REDE DE DRENAGEM URBANA		PROPRIETÁRIO	
OBRAS		PREFEITURA MUNICIPAL DE PIRANGUINHO	
CONTEÚDO		LOCAL	
PLANTA DE DRENAGEM		LOTAMENTO RESIDENCIAL POPULAR	
DETALHAMENTO BOCA DE LOBO		BAIRRO SOSSEGO	
DATA		PIRANGUINHO - MG	
REVISÃO 0		JANEIRO DE 2024	
ASSINATURA		FOLHA	
PREFEITA DO MUNICÍPIO DE PIRANGUINHO		2.3	
HELENA MARIA DA SILVA		CÓDIGO	
ASSINATURA		FOLHA	
RESPONSÁVEL TÉCNICO		2.3	
ENG. CIVIL ELENARA RAMOS REIS		CÓDIGO	
CREA MG 250884/D		2.3	



PERFIL LONGITUDINAL DA REDE URBANA
ESCALA HORIZONTAL 1/500 ESCALA VERTICAL 1/50

TABELA AUXILIAR DE CÁLCULO																ESCORAMENTO DE VALA
DE	PARA	COMPRIMENTO	DIÂMETRO	N. TUBOS	TOTAL	MATERIAL	LARG. VALA	ÁREA FUNDO VALA	PROF. INICIAL	PROF. FINAL	PROF. MÉDIA	VOLUME ESCAVADO	VOLUME DO TUBO	VOLUME REATERRO		
																(m³)
																(m³)
BL1	BL2	25.10	0.40	1.00	25.10	CONCRETO	0.80	20.08	0.70	2.30	1.50	30.12	3.15	26.97	75.3	
BL2	BL3	6.40	0.40	1.00	6.40	CONCRETO	0.80	5.12	2.30	1.75	2.03	10.388	0.80	9.58	25.92	
BL3	BL4	11.30	0.40	1.00	11.30	CONCRETO	0.80	9.04	1.75	0.75	1.25	11.3	1.42	9.88		
BL4	PV1	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.75	1.20	0.98	2.106	0.34	1.77		
BL5	PV1	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.20	0.95	2.052	0.34	1.71		
PV1	PV2	34.30	0.40	1.00	34.30	CONCRETO	0.80	27.44	1.20	1.50	1.35	37.044	4.31	32.74		
BL6	PV2	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.30	1.00	2.16	0.34	1.82		
BL7	PV2	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.30	1.00	2.16	0.34	1.82		
PV2	PV3	30.70	0.40	1.00	30.70	CONCRETO	0.80	24.56	1.50	1.50	1.50	36.84	3.86	32.98	92.1	
PV3	PV4	12.30	0.40	1.00	12.30	CONCRETO	0.80	9.84	1.50	1.50	1.50	14.76	1.54	13.22	36.9	
BL8	PV4	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.50	1.10	2.376	0.34	2.04		
BL9	PV4	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.50	1.10	2.376	0.34	2.04		
PV4	PV5	37.40	0.40	1.00	37.40	CONCRETO	0.80	29.92	1.50	0.80	1.15	34.408	4.70	29.71		
BL10	PV5	4.50	0.40	1.00	4.50	CONCRETO	0.80	3.60	0.70	0.80	0.75	2.7	0.57	2.13		
BL11	PV5	2.80	0.40	1.00	2.80	CONCRETO	0.80	2.24	0.70	0.80	0.75	1.68	0.35	1.33		
PV5	PV6	34.70	0.40	1.00	34.70	CONCRETO	0.80	27.76	0.80	0.90	0.85	23.596	4.36	19.24		
BL12	PV6	4.20	0.40	1.00	4.20	CONCRETO	0.80	3.36	0.70	0.90	0.80	2.688	0.53	2.16		
BL13	PV6	3.80	0.40	1.00	3.80	CONCRETO	0.80	3.04	0.70	0.90	0.80	2.432	0.48	1.95		
PV6	PV7	31.90	0.60	1.00	31.90	CONCRETO	1.00	31.90	0.90	0.70	0.80	25.52	9.01	16.51		
BL14	PV7	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
BL15	PV7	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
PV7	PV8	34.40	0.60	1.00	34.40	CONCRETO	1.00	34.40	0.70	0.90	0.80	27.52	9.72	17.80		
BL16	PV8	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.80	0.80	1.728	0.34	1.39		
BL17	PV8	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.80	0.80	1.728	0.34	1.39		
PV8	PV9	28.40	0.60	1.00	28.40	CONCRETO	1.00	28.40	0.90	1.05	0.98	27.69	8.03	19.66		
BL18	PV9	2.80	0.40	1.00	2.80	CONCRETO	0.80	2.24	0.70	1.05	0.88	1.96	0.35	1.61		
BL19	PV9	2.60	0.40	1.00	2.60	CONCRETO	0.80	2.08	0.70	1.05	0.88	1.82	0.33	1.49		
PV9	PV10	21.20	0.60	1.00	21.20	CONCRETO	1.00	21.20	1.05	1.15	1.10	23.32	5.69	17.33		
BL20	PV10	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
BL21	PV11	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
PV11	PV12	34.30	0.40	1.00	34.30	CONCRETO	0.80	27.44	0.90	0.80	0.85	21.962	4.31	17.64		
BL22	PV12	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
BL23	PV12	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
PV12	PV6	6.50	0.40	1.00	6.50	CONCRETO	0.80	5.20	0.90	1.05	0.98	5.07	0.62	4.25		
BL24	PV13	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
BL25	PV13	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	0.70	0.70	1.512	0.34	1.17		
PV13	PV14	34.70	0.40	1.00	34.70	CONCRETO	0.80	27.76	0.70	0.80	0.80	22.208	4.36	17.85		
BL26	PV14	11.10	0.40	1.00	11.10	CONCRETO	0.80	8.88	0.70	0.90	0.80	7.104	1.39	5.71		
BL27	PV14	7.80	0.40	1.00	7.80	CONCRETO	0.80	6.24	0.70	0.80	0.80	4.992	0.98	4.01		
PV14	PV15	29.80	0.40	1.00	29.80	CONCRETO	0.80	23.84	0.90	1.05	0.98	23.244	3.74	19.50		
BL28	PV15	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.35	0.88	1.89	0.34	1.55		
BL29	PV15	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.05	0.88	1.89	0.34	1.55		
PV15	PV16	33.00	0.40	1.00	33.00	CONCRETO	0.80	26.40	1.05	0.70	0.86	23.1	4.14	18.96		
BL30	PV16	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.05	0.88	1.89	0.34	1.55		
BL31	PV16	2.70	0.40	1.00	2.70	CONCRETO	0.80	2.16	0.70	1.05	0.88	1.89	0.34	1.55		
PV16	PV10	18.40	0.40	1.00	18.40	CONCRETO	0.80	14.72	0.70	1.15	0.93	13.62	2.31	11.30		
P32	PV10	20.40	0.40	1.00	20.40	CONCRETO	0.80	16.32	0.70	1.15	0.93	15.10	2.56	12.53		
P33	PV10	20.50	0.40	1.00	20.50	CONCRETO	1.00	20.50	0.70	1.15	0.93	18.96	2.57	16.39		
PV10	FINAL	20.70	0.60	1.00	20.70	CONCRETO	1.00	20.70	1.15	1.20	1.18	24.32	5.85	18.47		
SOMA					620.00			527.42				531.78	99.3182	432.46	230.22	

ESCAVAÇÃO PARA POÇO DE VISITA										
PEÇA			VALA					ESCORAMENTO (m³)		
PV	LARGURA X COMPRIMENTO EXTERNO (m)	PROFUNDIDADE INTERNA (m)	LARGURA (m)*	COMPRIMENTO (m)*	PROFUNDIDADE (m)**	VOLUME ESCAVAÇÃO (m³)**	VOLUME DO PV (m³)**		VOLUME REATERRO (m³)**	
PV1	1,40X1,90	1,2	2,4	2,9	1,4	9,74	3,724	6,02		
PV2	1,40X1,90	1,5	2,4	2,9	1,7	11,83	4,522	7,31	18,02	
PV3	1,40X1,90	1,5	2,4	2,9	1,7	11,83	4,522	7,31	18,02	
PV4	1,40X1,90	1,5	2,4	2,9	1,7	11,83	4,522	7,31	18,02	
PV5	1,40X1,90	0,8	2,4	2,9	1	6,96	2,66	4,30		
PV6	1,40X1,90	0,9	2,4	2,9	1,1	7,66	2,926	4,73		
PV7	1,40X1,90	0,7	2,4	2,9	0,9	6,26	2,394	3,87		
PV8	1,40X1,90	0,8	2,4	2,9	1	6,96	2,66	4,30		
PV9	1,40X1,90	1,05	2,4	2,9	1,25	8,70	3,325	5,38		
PV10	1,40X1,90	1,15	2,4	2,9	1,35	9,40	3,591	5,81		
PV11	1,40X1,90	0,7	2,4	2,9	0,9	6,26	2,394	3,87		
PV12	1,40X1,90	0,9	2,4	2,9	1,1	7,66	2,926	4,73		
PV13	1,40X1,90	0,7	2,4	2,9	0,9	6,26	2,394	3,87		
PV14	1,40X1,90	0,9	2,4	2,9	1,1	7,66	2,926	4,73		
PV15	1,40X1,90	1,05	2,4	2,9	1,25	8,70	3,325	5,38		
PV16	1,40X1,90	0,70	2,40	2,90	0,9	6,26	2,394	3,87		
SOMA						133,98	51,21	82,78	54,06	
ESCAVAÇÃO PARA BOCAS DE LOBO										
PEÇA			VALA					ESCORAMENTO (m³)		
BL	LARGURA X COMPRIMENTO EXTERNO (m)	PROFUNDIDADE INTERNA (m)	LARGURA (m)*	COMPRIMENTO (m)*	PROFUNDIDADE (m)**	VOLUME ESCAVAÇÃO (m³)**	VOLUME DA BL (m³)**		VOLUME REATERRO (m³)**	
BL 1	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 2	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 3	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96	21,5	
BL 4	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96	16,77	
BL 5	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 6	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 7	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 8	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 9	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 10	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 11	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 12	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 13	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 14	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 15	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 16	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 17	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 18	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 19	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 20	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 21	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 22	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 23	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 24	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 25	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 26	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 27	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 28	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 29	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 30	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 31	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 32	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
BL 33	1,40X0,90	0,70	2,40	1,90	0,90	4,10	2,14	1,96		
SOMA						147,52	76,99	70,52	38,27	