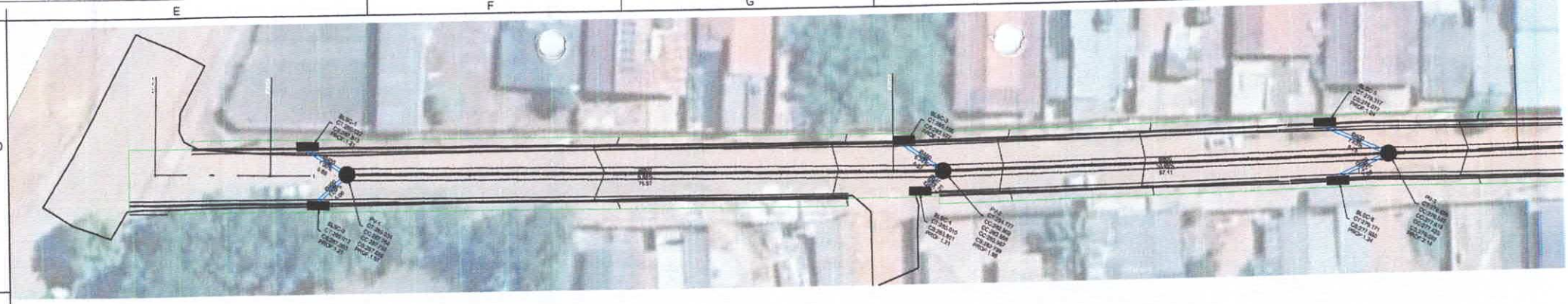
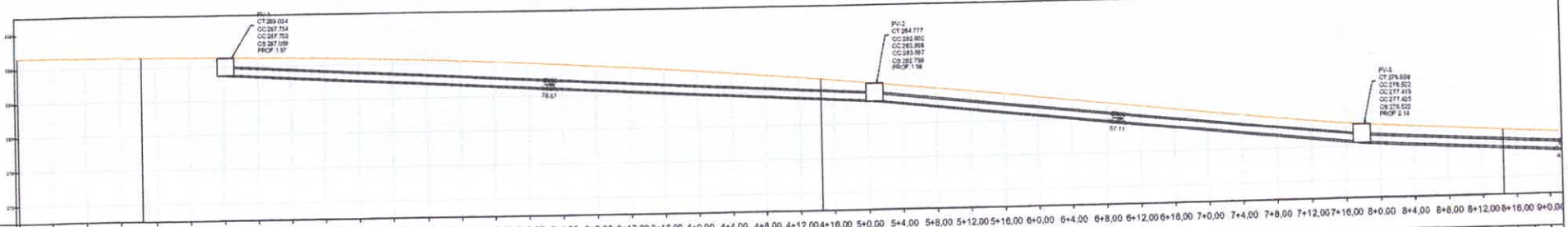
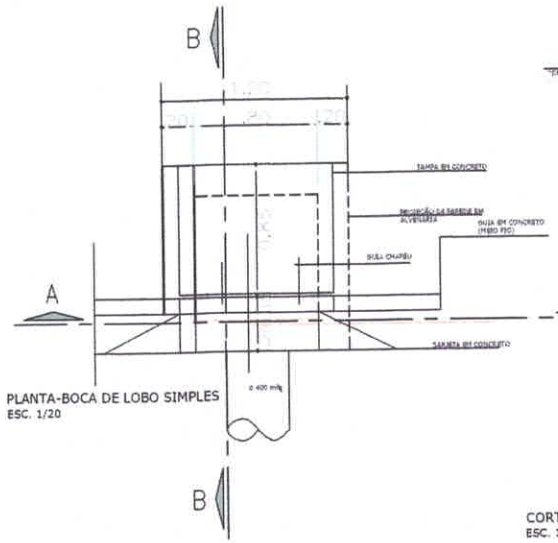
RUA BRAGANÇA

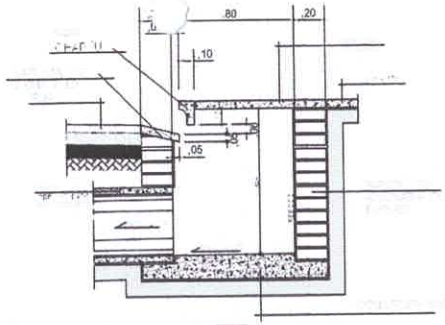




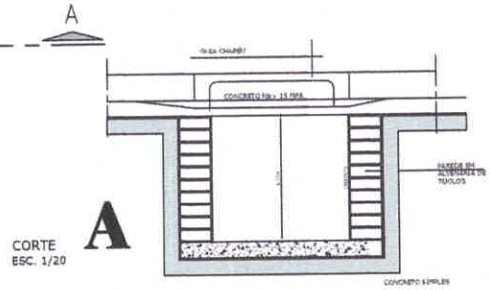
ESTACAS	0+0,00	0+4,00	0+8,00	0+12,00	0+16,00	1+0,00	1+4,00	1+8,00	1+12,00	1+16,00	2+0,00	2+4,00	2+8,00	2+12,00	2+16,00	3+0,00	3+4,00	3+8,00	3+12,00	3+16,00	4+0,00	4+4,00	4+8,00	4+12,00	4+16,00	5+0,00	5+4,00	5+8,00	5+12,00	5+16,00	6+0,00	6+4,00	6+8,00	6+12,00	6+16,00	7+0,00	7+4,00	7+8,00	7+12,00	7+16,00	8+0,00	8+4,00	8+8,00	8+12,00	8+16,00	9+0,00
COTAS DE TERRENO (m)	289,23	289,22	289,20	289,19	289,17	289,16	289,14	289,13	289,11	289,10	289,08	289,06	289,04	289,01	288,98	288,94	288,90	288,86	288,81	288,75	288,69	288,63	288,58	288,49	288,41	288,33	288,24	288,15	288,06	287,98	287,86	287,75	287,64	287,52	287,40	287,27	287,14	287,01	286,87	286,73	286,58	286,43	286,27	286,11	285,94	285,77	285,60	285,42	285,24	285,05	284,86	284,66	284,46	284,25	284,05	283,84	283,64	283,43	283,22	282,99	282,77	282,54	282,31	282,09	281,86	281,63	281,41	281,18	280,96	280,73	280,50	280,28	280,05	279,82	279,60	279,37	279,16	278,97	278,80	278,65	278,52	278,39	278,26	278,13	278,00	277,87	277,74	277,61	277,48	277,35	277,25
COTAS DE PROJETO TERRAPLENAGEM (m)	289,23	289,22	289,20	289,19	289,17	289,16	289,14	289,13	289,11	289,10	289,08	289,06	289,04	289,01	288,98	288,94	288,90	288,86	288,81	288,75	288,69	288,63	288,58	288,49	288,41	288,33	288,24	288,15	288,06	287,98	287,86	287,75	287,64	287,52	287,40	287,27	287,14	287,01	286,87	286,73	286,58	286,43	286,27	286,11	285,94	285,77	285,60	285,42	285,24	285,05	284,86	284,66	284,46	284,25	284,05	283,84	283,64	283,43	283,22	282,99	282,77	282,54	282,31	282,09	281,86	281,63	281,41	281,18	280,96	280,73	280,50	280,28	280,05	279,82	279,60	279,37	279,16	278,97	278,80	278,65	278,52	278,39	278,26	278,13	278,00	277,87	277,74	277,61	277,48	277,35	277,25
RECOBRIMENTO(m)								1,16	1,23	1,30	1,37	1,45	1,46	1,54	1,64	1,64	1,72	1,65	1,61	1,70	1,74	1,72	1,65	1,61	1,70	1,75	1,76	1,76	1,79	1,81	1,81	1,82	1,82	1,81	1,80	1,79	1,77	1,77	1,74	1,72	1,65	1,65	1,61	1,61	1,56	1,51	1,46	1,40	1,34	1,27	1,29	1,32	1,35	1,35	1,35



PLANTA-BOCA DE LOBO SIMPLES
ESC. 1/20

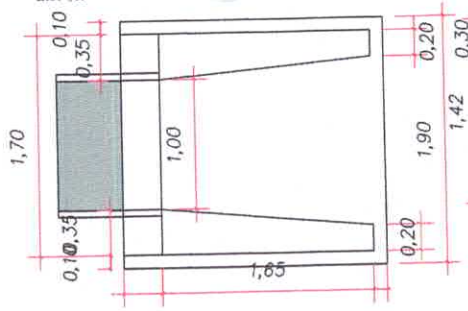


CORTE **B**
ESC. 1/20



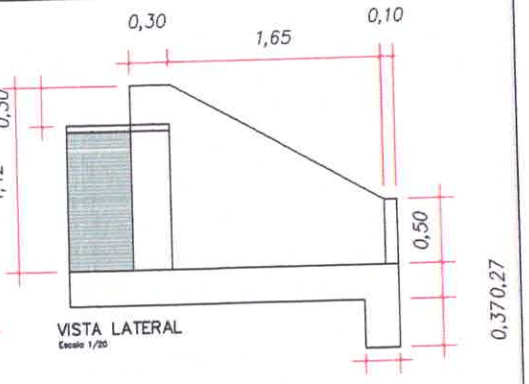
CORTE **A**
ESC. 1/20

ALA BSTC ø 1,00m
Escala 1/20



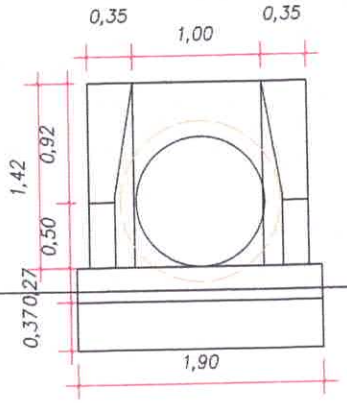
VISTA FRONTAL
Escala 1/20

0,30 0,10

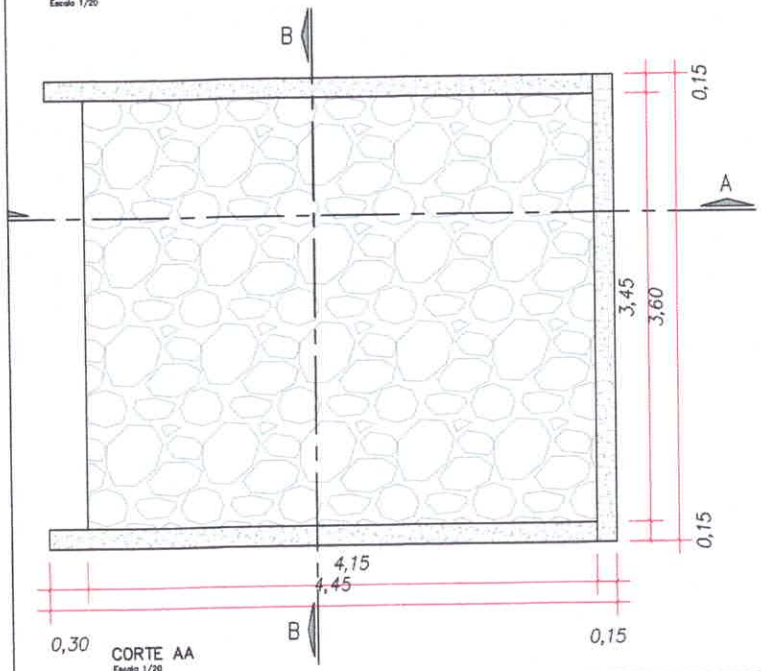


VISTA LATERAL
Escala 1/20

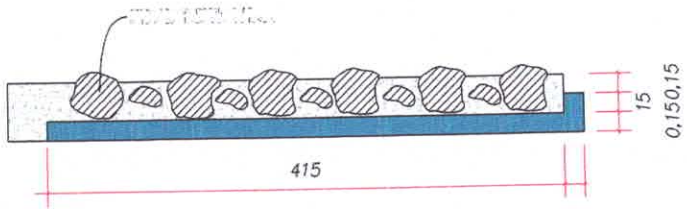
0,27



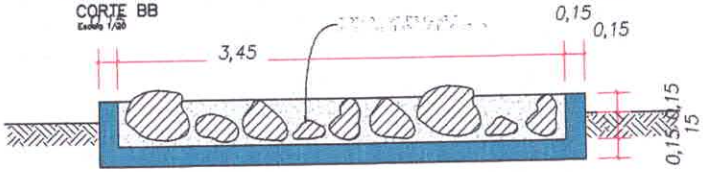
DISSIPADOR DE ENERGIA – PLANTA
Escala 1/20



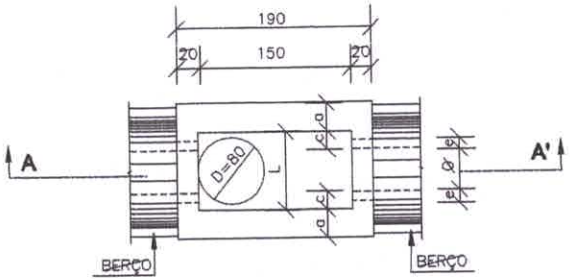
CORTE AA
Escala 1/20



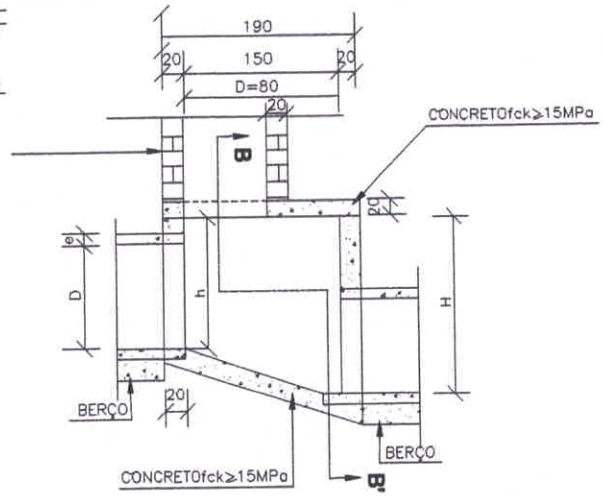
CORTE BB
Escala 1/20



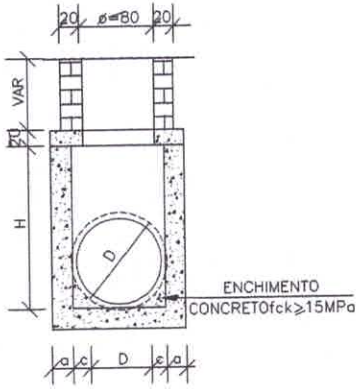
PREFEITURA DE TUCUMÃ	AUTOR DO PROJETO: CLAUDIO RONIZ DE PAULA CREA 25412/D-DF
	RUA / AVENIDA: RUA BRAGANÇA
FASE: PROJETO EXECUTIVO	
ÉPURA: PROJETO DE DRENAGEM SEÇÕES/TABELA	
ESCALA: 1:20 · DATA: MAR/2024 · SISTEMA DE COORDENADA: SIRGAS 2000 PCS · PRANCHA: 03/04 · REVISÃO: 00	



CORTE AA'



CORTE BB'



TAMPA DOS POÇOS DE VISITA

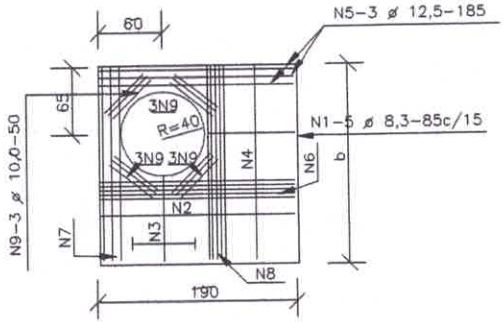


TABELA DE ARMADURAS DA TAMPA

D	POSIÇÃO								
	N1	N2	N3	N4	N5	N6	N7	N8	N9
40	6,3c/15	–	–	6,3c/15	3 ø 12,5	–	3 ø 12,5	4 ø 6,3	12 ø 10
60	6,3c/15	–	–	6,3c/15	3 ø 12,5	–	3 ø 12,5	4 ø 6,3	12 ø 10
80	6,3c/15	–	–	6,3c/15	3 ø 12,5	–	3 ø 12,5	4 ø 6,3	12 ø 10
100	6,3c/15	–	–	6,3c/15	3 ø 12,5	–	3 ø 12,5	4 ø 6,3	12 ø 10
120	6,3c/15	4,0c/12,5	6,3c/20	6,3c/15	3 ø 12,5	4 ø 10	3 ø 12,5	5 ø 6,3	12 ø 10
150	6,3c/15	6,3c/15	6,3c/15	4,0c/15	3 ø 12,5	5 ø 10	3 ø 12,5	6 ø 8,0	12 ø 10

DIMENSÕES E QUANTIDADES APROXIMADAS PARA UMA UNIDADE

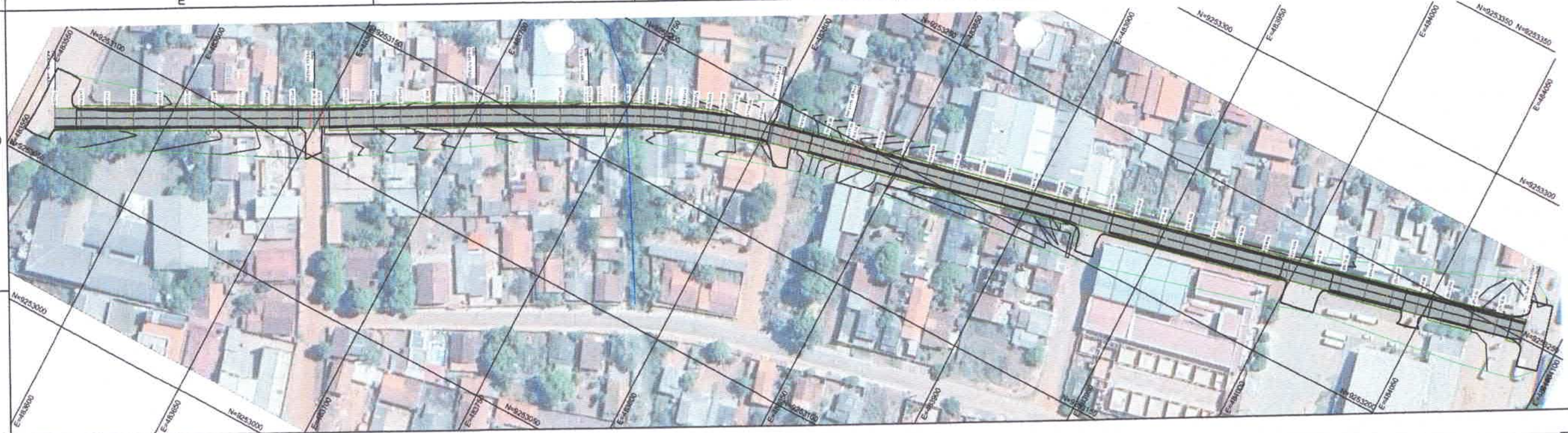
CÓDIGO	DIMENSÕES							QUANTIDADES		
	D	a	b	c	h	H	L	FORMAS (m^2)	AÇO (kg)	CONCRETO (m^3)
POÇOS DE VISITA SEM DISPOSITIVO INTERNO DE QUEDA										
PVI01	40	20	130	25	80	80	90	15,05	17,0	1,740
PVI02	60	20	130	15	80	80	90	15,05	17,0	1,670
PVI03	80	25	140	5	100	100	90	16,63	17,5	2,080
PVI04	100	25	150	–	130	130	100	19,64	22,9	2.480
PVI05	120	25	170	–	150	150	120	23,62	25,7	2,890
PVI06	150	25	200	–	180	180	150	30,19	31,6	3,500
POÇOS DE VISITA COM DISPOSITIVO INTERNO DE QUEDA DE 50cm										
PVI07	40	20	130	25	80	130	90	17,85	17,0	2,030
PVI08	60	20	130	15	80	130	90	17,85	17,0	1,970
PVI09	80	25	140	5	100	150	90	19,48	17,5	2,420
PVI10	100	25	150	–	130	180	100	20,57	22,9	2,840
PVI11	120	25	170	–	150	200	120	26,77	25,7	3,270
PVI12	150	25	200	–	180	230	150	33,64	31,6	3,920
POÇOS DE VISITA COM DISPOSITIVO INTERNO DE QUEDA DE 100cm										
PVI13	40	20	130	25	80	180	90	20,65	17,0	2,360
PVI14	60	20	130	15	80	180	90	20,65	17,0	2,300
PVI15	80	25	140	5	100	200	90	22,33	17,5	2,800
PVI16	100	25	150	–	130	230	100	25,54	22,9	3,240
PVI17	120	25	170	–	150	250	120	29,92	25,7	3,690
PVI18	150	25	200	–	180	280	150	37,09	31,6	4,380

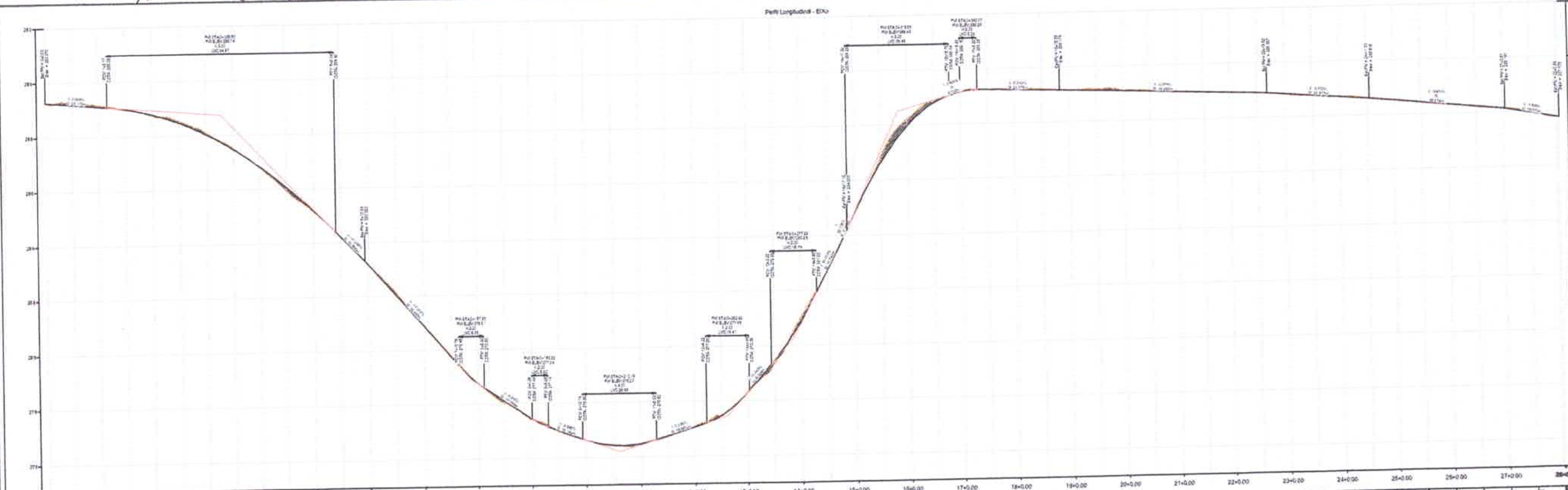
NOTAS:

1 – Dimensões em cm;
2 – Bitolas em aço CA-60;
3 – Recobrimento das armaduras 2,5cm;
3 – As quantidades apresentadas não incluem a chaminé.

POÇOS DE VISITA – PV

PREFEITURA DE TUCUMÃ	AUTOR DO PROJETO: CLAUDIO RORIZ DE PAULA CREA 25412/D-DF RUA / AVENIDA: RUA BRAGANÇA
FASE	PROJETO EXECUTIVO
ENTIDADE	PROJETO DE DRENAGEM DETALHE PVs
ESCALA 1:25	DATA MAR/2020 · SISTEMA DE COORDENADAS SIRGAS 2000 PCS · PRANCHA 04/04 · REVISÃO 00





ACAS	AS DE ENO (m)	E PROJETO LENAGEM (m)	RENÇA TAS (m)
0+0.00	289.27	289.27	0.000
	289.26	289.19	-0.072
1+0.00	289.16	289.11	-0.053
	288.99	289.00	0.010
2+0.00	288.75	288.79	0.036
	288.53	288.47	-0.060
3+0.00	288.09	288.03	-0.061
	287.53	287.49	-0.029
4+0.00	286.61	286.63	0.025
	285.95	286.06	0.110
5+0.00	286.15	286.18	0.038
	284.21	284.20	-0.008
6+0.00	283.17	283.16	-0.009
	282.11	282.02	-0.083
7+0.00	280.91	280.89	-0.019
	279.81	279.76	-0.045
8+0.00	278.75	278.75	0.002
	278.09	278.09	0.000
9+0.00	277.42	277.44	0.022
	276.97	276.99	0.024
10+0.00	276.53	276.53	0.006
	276.45	276.43	-0.021
11+0.00	276.49	276.48	-0.009
	276.74	276.75	0.018
12+0.00	277.09	277.07	-0.022
	277.46	277.47	0.008
13+0.00	278.26	278.32	0.054
	279.33	279.46	0.126
14+0.00	281.04	280.88	-0.145
	282.78	282.79	0.008
15+0.00	284.79	284.81	0.011
	286.55	286.49	-0.210
16+0.00	288.20	287.96	-0.231
	288.88	288.79	-0.084
17+0.00	289.16	289.17	0.002
	289.23	289.24	0.000
18+0.00	289.20	289.21	0.011
	289.21	289.19	-0.021
19+0.00	289.15	289.15	0.007
	289.10	289.12	0.020
20+0.00	289.10	289.09	-0.017
	289.07	289.09	-0.022
21+0.00	289.00	289.01	0.014
	288.95	288.97	0.011
22+0.00	288.94	288.94	-0.002
	288.90	288.90	0.000
23+0.00	288.82	288.84	0.017
	288.75	288.77	0.000
24+0.00	288.70	288.70	-0.004
	288.63	288.62	-0.003
25+0.00	288.54	288.53	-0.007
	288.43	288.42	0.007
26+0.00	288.33	288.34	0.000
	288.22	288.24	0.009
27+0.00	288.15	288.15	0.001
	288.02	287.97	-0.051
28+0.00	287.76	287.76	-0.001

ETRIA ONTAL

PREFEITURA DE TUCUMÃ

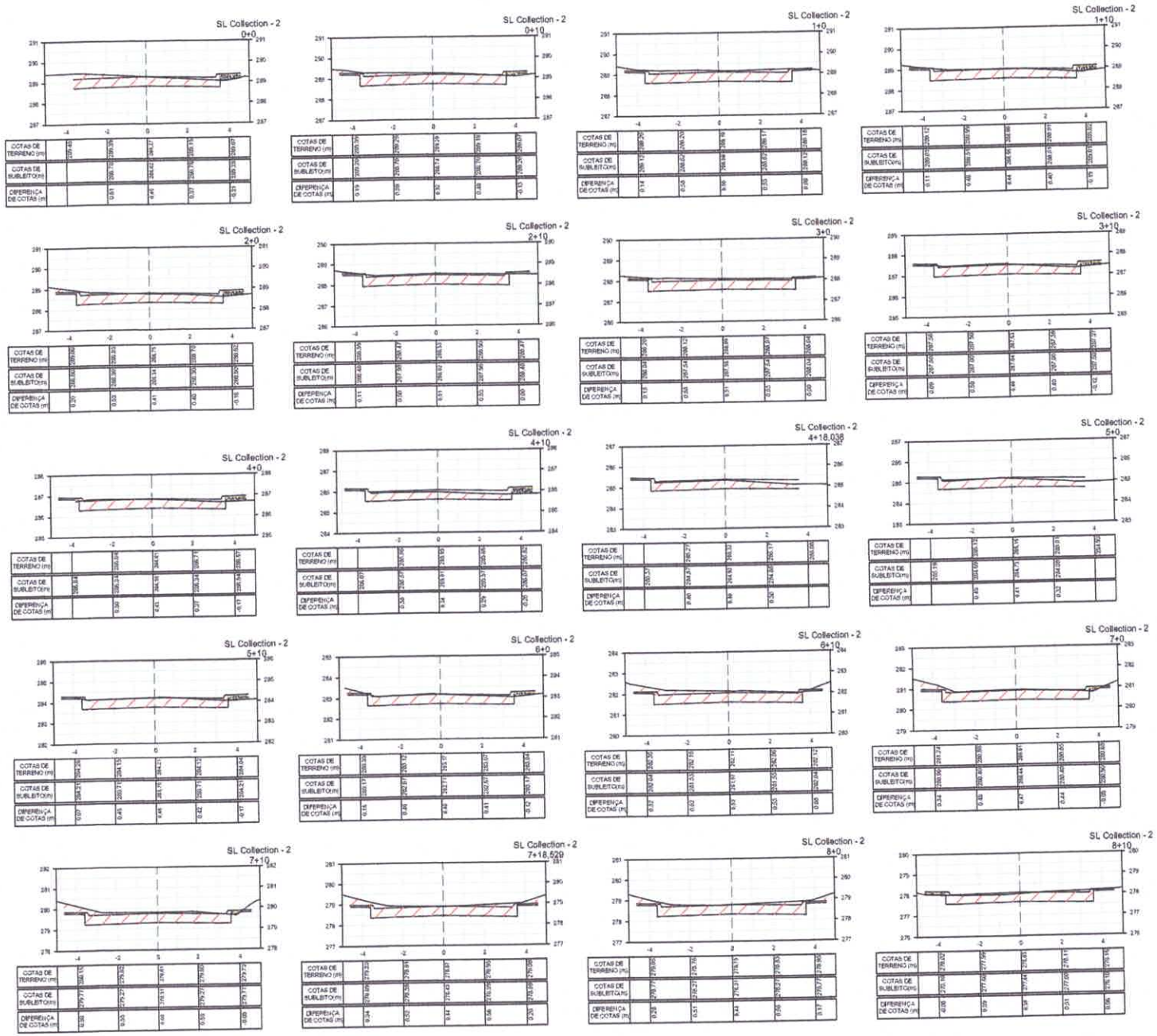
AUTOR DO PROJETO:
CLAUDIO RORIZ DE PAULA
CREA 25412/D-DF

RUA / AVENIDA:
RUA BRAGANÇA

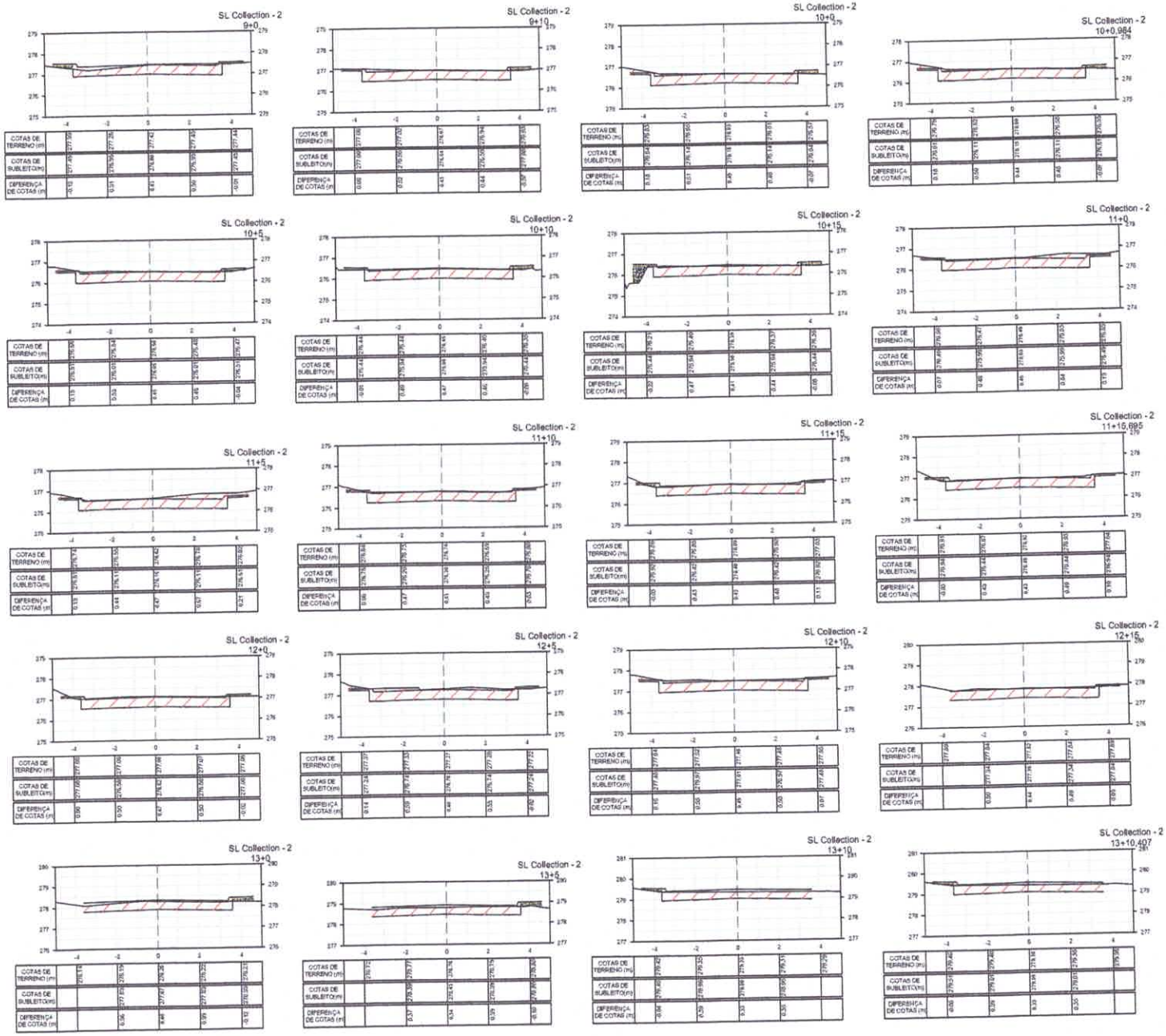
FASE: PROJETO EXECUTIVO

ETAPA: PROJETO DE TERRAPLENAGEM
PLANTA / PERFIL LONGITUDINAL

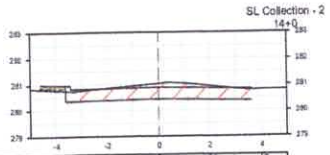
ESCALA: 1:750 | PRANCHA: 01/05 | REVISÃO: 00



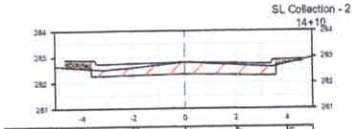
PREFEITURA DE TUCUMÃ	AUTOR DO PROJETO: CLAUDIO RONIZ DE PAULA CREA 25412/D-DF
	RUA / AVENIDA: RUA BRAGANÇA
FASE:	PROJETO EXECUTIVO
ESTUD:	PROJETO DE TERRAPLENAGEM SEÇÕES
ESCALA: 1:100	DATA: MAR/2022 · SISTEMA DE COORDENADAS: SIRGAS 2000/TM29 · PRANCHA: 02/05 · REVISÃO: 00



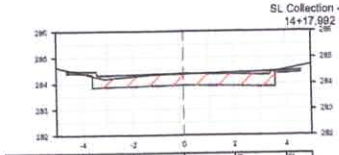
PREFEITURA DE TUCUMÃ	AUTOR DO PROJETO: CLAUDIO RONIZ DE PAULA CREA 25412/D-DF
	RUA / AVENIDA: RUA BRAGANÇA
FASE:	PROJETO EXECUTIVO
ESCOPO:	PROJETO DE TERRAPLENAGEM SEÇÕES
ESCALA: 1:100	DATA: MAR/2025
SISTEMA DE COORDENADA: SIRGAS 2000 PZ25	PRANCHA: 03/05
REVISÃO: 00	



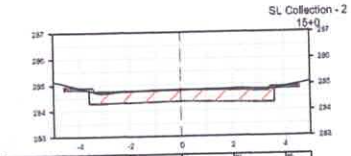
COTAS DE TERRENO (m)	280.79	280.60	281.64	280.33	280.79
COTAS DE SUBLEITO(m)	280.90	280.40	280.41	280.43	280.90
DIFERENÇA DE COTAS (m)	-0.12	0.20	0.00	0.33	



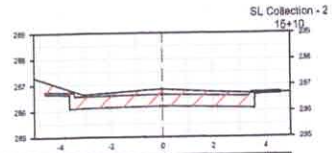
COTAS DE TERRENO (m)	282.95	282.59	282.15	282.37	282.71
COTAS DE SUBLEITO(m)	282.70	282.39	282.33	282.79	282.71
DIFERENÇA DE COTAS (m)	0.25	0.20	0.14	0.37	0.00



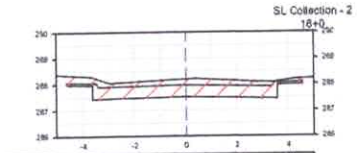
COTAS DE TERRENO (m)	284.40	284.23	284.37	284.41	284.32
COTAS DE SUBLEITO(m)	284.39	283.70	283.93	283.89	284.31
DIFERENÇA DE COTAS (m)	0.01	0.53	0.44	0.52	0.01



COTAS DE TERRENO (m)	284.88	284.25	284.16	284.32	284.88
COTAS DE SUBLEITO(m)	284.87	283.93	284.34	283.93	284.87
DIFERENÇA DE COTAS (m)	0.01	0.32	0.44	0.39	0.01

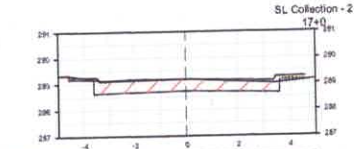


COTAS DE TERRENO (m)	286.90	286.72	286.63	286.74	286.89
COTAS DE SUBLEITO(m)	286.54	286.14	286.16	286.14	286.54
DIFERENÇA DE COTAS (m)	0.36	0.57	0.46	0.60	0.34

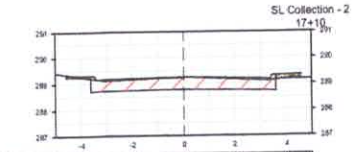


COTAS DE TERRENO (m)	288.55	288.16	288.29	288.15	288.52
COTAS DE SUBLEITO(m)	287.90	287.47	287.61	287.47	287.90
DIFERENÇA DE COTAS (m)	0.35	0.69	0.68	0.68	0.62

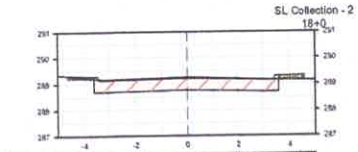
COTAS DE TERRENO (m)	289.51	289.75	289.88	289.58	289.50
COTAS DE SUBLEITO(m)	288.41	289.07	289.34	289.00	289.50
DIFERENÇA DE COTAS (m)	0.10	0.68	0.54	0.58	0.00



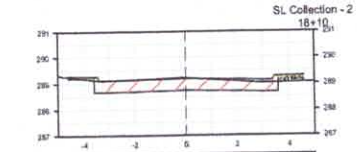
COTAS DE TERRENO (m)	290.42	289.77	289.15	289.50	290.00
COTAS DE SUBLEITO(m)	290.19	289.28	289.72	289.33	290.19
DIFERENÇA DE COTAS (m)	0.07	0.49	0.43	0.49	-0.12



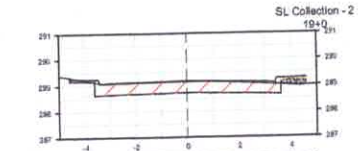
COTAS DE TERRENO (m)	290.79	290.17	289.72	290.10	290.10
COTAS DE SUBLEITO(m)	290.25	289.75	289.30	289.68	290.10
DIFERENÇA DE COTAS (m)	0.52	0.42	0.42	0.42	0.00



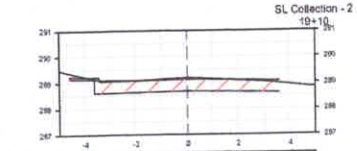
COTAS DE TERRENO (m)	290.23	290.55	290.25	290.19	290.13
COTAS DE SUBLEITO(m)	289.22	289.75	289.79	289.75	289.13
DIFERENÇA DE COTAS (m)	0.03	0.80	0.46	0.45	0.00



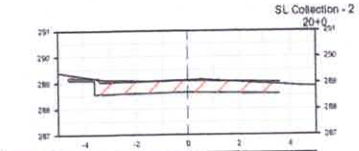
COTAS DE TERRENO (m)	290.19	290.15	290.79	290.00	290.03
COTAS DE SUBLEITO(m)	290.20	289.70	289.79	289.70	290.20
DIFERENÇA DE COTAS (m)	-0.01	0.45	0.47	0.30	-0.17



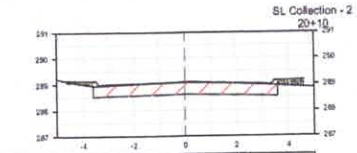
COTAS DE TERRENO (m)	290.22	290.11	290.15	290.10	290.30
COTAS DE SUBLEITO(m)	289.17	289.67	289.71	289.67	290.17
DIFERENÇA DE COTAS (m)	0.05	0.44	0.44	0.43	-0.13



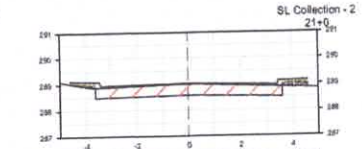
COTAS DE TERRENO (m)	290.25	290.07	290.10	290.05	290.53
COTAS DE SUBLEITO(m)	289.33	289.63	289.67	289.63	290.33
DIFERENÇA DE COTAS (m)	0.92	0.45	0.44	0.42	0.20



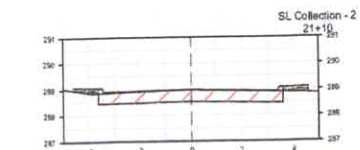
COTAS DE TERRENO (m)	290.72	290.06	290.19	290.05	290.05
COTAS DE SUBLEITO(m)	290.60	289.60	289.64	289.60	290.05
DIFERENÇA DE COTAS (m)	0.12	0.47	0.47	0.43	



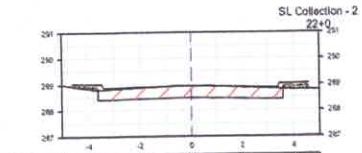
COTAS DE TERRENO (m)	290.02	290.00	290.07	290.01	290.51
COTAS DE SUBLEITO(m)	289.98	289.55	289.63	289.56	290.46
DIFERENÇA DE COTAS (m)	0.04	0.44	0.43	0.45	-0.15



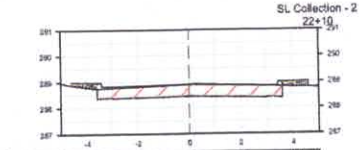
COTAS DE TERRENO (m)	289.92	290.03	289.69	290.05	290.53
COTAS DE SUBLEITO(m)	290.02	289.53	289.19	289.52	290.70
DIFERENÇA DE COTAS (m)	-0.09	0.51	0.44	0.41	-0.17



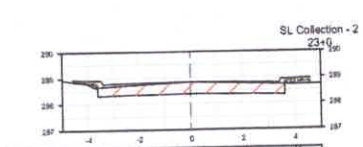
COTAS DE TERRENO (m)	290.68	290.61	290.16	290.00	290.53
COTAS DE SUBLEITO(m)	290.68	290.18	289.72	290.18	290.53
DIFERENÇA DE COTAS (m)	-0.10	0.43	0.44	0.42	-0.17



COTAS DE TERRENO (m)	290.24	290.17	290.16	290.20	290.07
COTAS DE SUBLEITO(m)	290.25	289.75	289.79	289.75	290.07
DIFERENÇA DE COTAS (m)	-0.01	0.42	0.37	0.45	-0.13

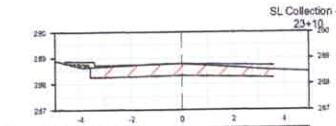


COTAS DE TERRENO (m)	290.07	289.71	289.45	290.00	290.70
COTAS DE SUBLEITO(m)	289.97	289.30	289.45	289.45	290.70
DIFERENÇA DE COTAS (m)	0.11	0.41	0.00	0.45	-0.12

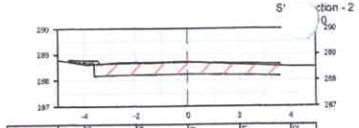


COTAS DE TERRENO (m)	290.70	290.74	290.22	290.70	290.70
COTAS DE SUBLEITO(m)	290.70	290.33	290.29	290.29	290.70
DIFERENÇA DE COTAS (m)	-0.01	0.39	0.43	0.41	-0.10

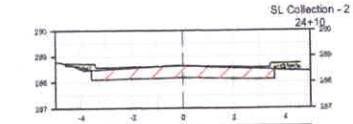
PREFEITURA DE TUCUMÃ		AUTOR DO PROJETO: CLAUDIO RUBIZ DE PAULA CREA 25412/D-DF	
		RUA / AVENIDA: RUA BRAGANÇA	
PROJETO EXECUTIVO			
PROJETO DE TERRAPLENAGEM SEÇÕES			
ESCALA 1:100	DATA	SISTEMA DE COORDENADA	PRANCHA 04/05	REVISÃO 00



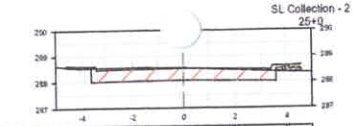
COTAS DE TERRENO (m)	290.64	290.71	290.76	290.63	290.50
COTAS DE SUBLEITO(m)	290.79	290.29	290.32	290.30	290.30
DIFERENÇA DE COTAS (m)	-0.15	0.42	0.44	0.33	



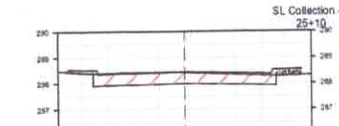
COTAS DE TERRENO (m)	290.63	290.71	290.76	290.63	290.52
COTAS DE SUBLEITO(m)	290.71	290.29	290.32	290.31	290.30
DIFERENÇA DE COTAS (m)	-0.08	0.42	0.44	0.32	



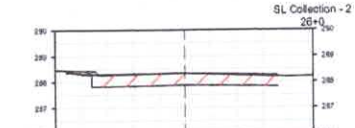
COTAS DE TERRENO (m)	290.37	290.50	290.63	290.34	290.63
COTAS DE SUBLEITO(m)	290.53	290.13	290.17	290.15	290.63
DIFERENÇA DE COTAS (m)	-0.16	0.42	0.46	0.41	-0.18



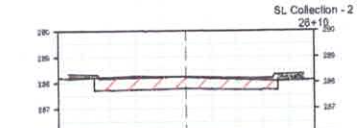
COTAS DE TERRENO (m)	290.50	290.50	290.34	290.20	290.37
COTAS DE SUBLEITO(m)	290.34	290.08	290.48	290.03	290.54
DIFERENÇA DE COTAS (m)	0.01	0.22	0.46	0.17	-0.17



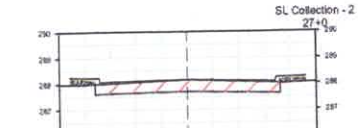
COTAS DE TERRENO (m)	290.42	290.42	290.43	290.35	290.35
COTAS DE SUBLEITO(m)	290.44	290.34	290.88	290.34	290.44
DIFERENÇA DE COTAS (m)	-0.02	0.08	0.45	0.00	-0.10



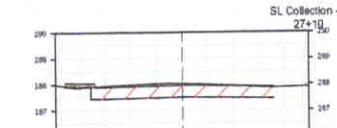
COTAS DE TERRENO (m)	290.35	290.37	290.32	290.33	290.35
COTAS DE SUBLEITO(m)	290.35	290.35	290.87	290.88	290.19
DIFERENÇA DE COTAS (m)	-0.04	0.02	0.45	0.45	



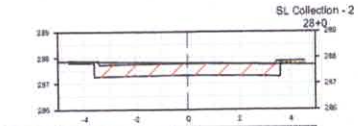
COTAS DE TERRENO (m)	290.19	290.25	290.23	290.19	
COTAS DE SUBLEITO(m)	290.25	287.79	287.78	287.79	290.25
DIFERENÇA DE COTAS (m)	-0.06	0.50	0.43	0.39	-0.17



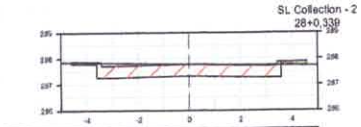
COTAS DE TERRENO (m)	290.09	290.15	290.05	290.05	290.10
COTAS DE SUBLEITO(m)	287.89	287.89	290.48	287.89	290.19
DIFERENÇA DE COTAS (m)	-0.17	0.41	0.57	0.42	-0.14



COTAS DE TERRENO (m)	287.89	287.90	287.92	287.84	287.88
COTAS DE SUBLEITO(m)	287.90	287.48	287.93	287.49	287.88
DIFERENÇA DE COTAS (m)	-0.09	0.50	0.00	0.45	



COTAS DE TERRENO (m)	287.83	287.82	287.78	287.76	287.73
COTAS DE SUBLEITO(m)	287.88	287.88	287.34	287.38	287.73
DIFERENÇA DE COTAS (m)	-0.05	-0.06	0.45	0.45	-0.06



COTAS DE TERRENO (m)	287.83	287.82	287.78	287.75	287.73
COTAS DE SUBLEITO(m)	287.79	287.29	287.33	287.29	287.73
DIFERENÇA DE COTAS (m)	0.06	0.52	0.45	0.46	-0.00

VOLUME DE CORTE DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE ATERRO DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE CBUQ DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE BASE DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE SUBBASE DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE MEIO FIO SARJETA DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

VOLUME DE CALÇADA DO EIXO EIXO

ESTACA	ÁREA (m²)	VOLUME (m³)	VOLUME ACUMULADO (m³)
[illegible]	[illegible]	[illegible]	[illegible]

PREFEITURA DE TUCUMÃ

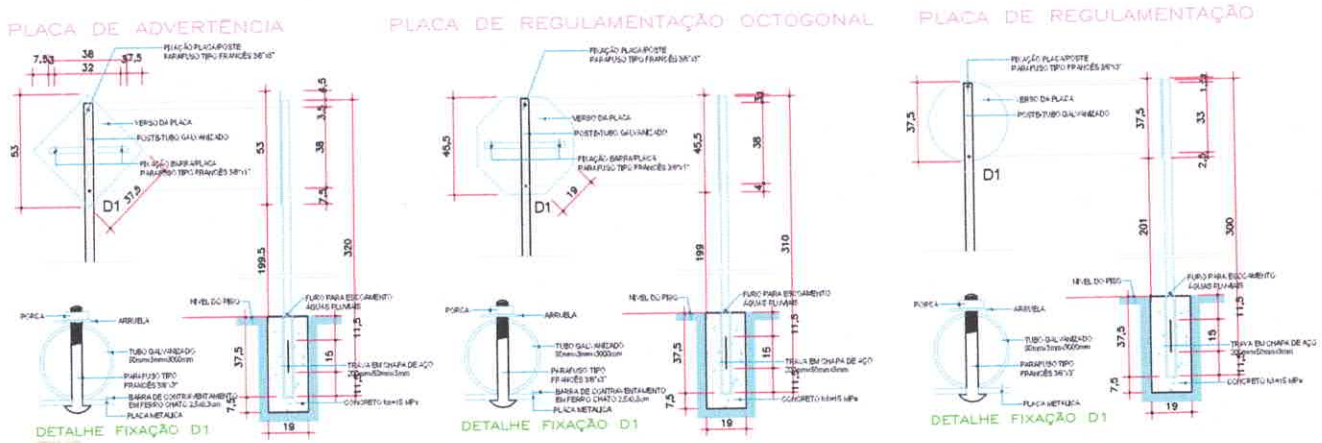
AUTOR DO PROJETO:
CLAUDIO RORIZ DE PAULA
CREA 254120 GF

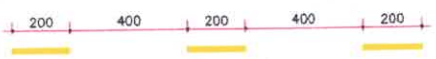
RUA / AVENIDA:
RUA BRAGANÇA

PLTA: PROJETO EXECUTIVO

ENUN: PROJETO DE TERRAPLENAGEM
SEÇÕES/ TABELA

ESCALA	DATA	FOLHA DE DESENHO	PRANCHA	REVISÃO
1:100	[illegible]	[illegible]	05/05	00





COR : AMARELA – e=10cm

FAIXA TRACEJADA AMARELA

ESCALA 1:100

PREFEITURA DE TUCUMÃ	AUTOR DO PROJETO: CLAUDIO POPIU DE PAULA CREA: 2512/DOP
	RUA / AVENIDA: RUA BRAGANÇA
FASE:	PROJETO EXECUTIVO
TÍTULO:	PROJETO DE SINALIZAÇÃO PLANTA / DETALHES
ESCALA: 1/750	DATA: MAIO/2024 · RESPONSÁVEL TÉCNICO: CREA-PR 2512/D · PRANCHA: 01/01 · REVISÃO: 00