

55	1,2	10	12	672	
56	1,2	10	12	684	
57	1,2	10	12	684	
58	1,2	10	12	696	
59	1,2	10	12	708	
60	1,2	10	12	720	
61	1,2	10	12	732	
62	1,2	10	12	744	
63	1,2	10	12	756	
64	1,2	10	12	768	
65	1,2	10	12	780	
66	1,2	10	12	792	
67	1,2	10	12	804	
68	1,2	10	12	816	
69	1,2	10	12	828	
70	1,2	10	12	840	
71	1,2	10	12	852	
72	1,2	10	12	864	
73	1,2	10	12	876	
74	1,2	10	12	888	
75	1,2	10	12	900	
76	1,2	10	12	912	
77	1,2	10	12	924	
78	1,2	10	12	936	
79	1,2	10	12	948	
80	1,2	10	12	960	
81	1,2	10	12	972	
82	1,2	10	12	984	
83	1,2	10	12	996	
84	1,2	10	12	1008	
85	1,2	10	12	1020	
86	1,2	10	12	1032	
87	1,2	10	12	1044	
88	1,2	10	12	1056	
89	1,2	10	12	1068	
90	1,2	10	12	1080	
91	1,2	10	12	1092	
92	1,2	10	12	1104	
93	1,2	10	12	1116	
94	1,2	10	12	1128	
95	1,2	10	12	1140	
96	1,2	10	12	1152	
97	1,2	10	6,86	1164	
97+0,57				1170,86	
				1170,86	Empolamento 25%

Handwritten signatures and initials in blue ink.

Handwritten signature: **Marcelo Rebouças Melo**
 Engenheiro Civil
 RNP 061045228-2
 CREA 48634-D





Governo Municipal de
Acaraú
Secretaria de Infraestrutura



CUBAGEM - PARA REGULARIZAÇÃO DO SUB-LEITO

Tabela Fonte: SINAPI 08/2019 FORTALEZA/CE (COM DESONERAÇÃO)
Cliente: PREFEITURA MUNICIPAL DO ACARAÚ
Obr: RECUPERAÇÃO DE ESTRADA VICINAL

ESTACA	LARGURAS (M)	SOMA DAS ÁREAS (M²)	SEMI-DISTÂNCIAS (M)	VOLUMES PARCIAS (M³)	VOLUMES ACUMULADOS (M³)	OBSERVAÇÃO
0	6					
1	6	12	10	120	120	
2	6	12	10	120	240	
3	6	12	10	120	360	
4	6	12	10	120	480	
5	6	12	10	120	600	
6	6	12	10	120	720	
7	6	12	10	120	840	
8	6	12	10	120	960	
9	6	12	10	120	1080	
10	6	12	10	120	1200	
11	6	12	10	120	1320	
12	6	12	10	120	1440	
13	6	12	10	120	1560	
14	6	12	10	120	1680	
15	6	12	10	120	1800	
16	6	12	10	120	1920	
17	6	12	10	120	2040	
18	6	12	10	120	2160	
19	6	12	10	120	2280	
20	6	12	10	120	2400	
21	6	12	10	120	2520	
22	6	12	10	120	2640	
23	6	12	10	120	2760	
24	6	12	10	120	2880	
25	6	12	10	120	3000	
26	6	12	10	120	3120	
27	6	12	10	120	3240	
28	6	12	10	120	3360	
29	6	12	10	120	3480	
30	6	12	10	120	3600	
31	6	12	10	120	3720	
32	6	12	10	120	3840	
33	6	12	10	120	3960	
34	6	12	10	120	4080	
35	6	12	10	120	4200	
36	6	12	10	120	4320	
37	6	12	10	120	4440	
38	6	12	10	120	4560	
39	6	12	10	120	4680	
40	6	12	10	120	4800	
41	6	12	10	120	4920	
42	6	12	10	120	5040	
43	6	12	10	120	5160	
44	6	12	10	120	5280	
45	6	12	10	120	5400	
46	6	12	10	120	5520	
47	6	12	10	120	5640	
48	6	12	10	120	5760	
49	6	12	10	120	5880	
50	6	12	10	120	6000	
51	6	12	10	120	6120	
52	6	12	10	120	6240	
53	6	12	10	120	6360	
54	6	12	10	120	6480	
55	6	12	10	120	6600	
56	6	12	10	120	6720	


Comissão Permanente de Licitação
944
Folha
Assinatura
Prefeitura Municipal de Acaraú

19/11



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57	6	12	10	120	6
58	6	12	10	120	6960
59	6	12	10	120	7080
60	6	12	10	120	7200
61	6	12	10	120	7320
62	6	12	10	120	7440
63	6	12	10	120	7560
64	6	12	10	120	7680
65	6	12	10	120	7800
66	6	12	10	120	7920
67	6	12	10	120	8040
68	6	12	10	120	8160
69	6	12	10	120	8280
70	6	12	10	120	8400
71	6	12	10	120	8520
72	6	12	10	120	8640
73	6	12	10	120	8760
74	6	12	10	120	8880
75	6	12	10	120	9000
76	6	12	10	120	9120
77	6	12	10	120	9240
78	6	12	10	120	9360
79	6	12	10	120	9480
80	6	12	10	120	9600
81	6	12	10	120	9720
82	6	12	10	120	9840
83	6	12	10	120	9960
84	6	12	10	120	10080
85	6	12	10	120	10200
86	6	12	10	120	10320
87	6	12	10	120	10440
88	6	12	10	120	10560
89	6	12	10	120	10680
90	6	12	10	120	10800
91	6	12	10	120	10920
92	6	12	10	120	11040
93	6	12	10	120	11160
94	6	12	10	120	11280
95	6	12	10	120	11400
96	6	12	10	120	11520
97	6	12	10	120	11640
97 + 0.57	6	12	10	68.57	11708.57
					Empolamento 25%


 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D





BENEFÍCIOS E DESPESAS INDIRETAS - B.D.I					
DEMONSTRATIVO DE TAXA DE B.D.I			VARIÇÃO		
CÁLCULO DO B.D.I. TCU - TC 036.076/2011-2 - ACÓRDÃO 2622/2013			MÍNIMO	MÉDIA	MÁXIMA
I - PARCELAS INCIDENTES SOBRE O CUSTO DIRETO					
1 - ADMINISTRAÇÃO CENTRAL - AC		4,01%	3,80%	4,01%	4,67%
II - PARCELAS INCIDENTES SOBRE DESPESAS FINANCEIRAS					
2 - DESPESAS FINANCEIRAS					
2.1 - DESPESAS FINANCEIRAS - DF		1,11%	1,02%	1,11%	1,21%
III - PARCELAS INCIDENTES SOBRE O FATURAMENTO					
3.1 - RISCO - R		0,56%	0,50%	0,56%	0,97%
3.2 - LUCRO - L		7,30%	6,64%	7,30%	8,69%
3.3 - TRIBUTOS - I					
3.4 - ISSQN	3,50%		1,20%	3,00%	5,00%
3.5 - PIS	0,65%		0,65%	0,65%	0,65%
3.6 - COFINS	3,00%		3,00%	3,00%	3,00%
3.7 - CPRB	4,50%		0,00%	4,50%	4,50%
		11,65%			
4 - SEGURO E GARANTIA - SG		0,40%	0,32%	0,40%	0,74%
IV - TOTAL DO B.D.I. CORRIGIDO (INCIDÊNCIA SOBRE CUSTO DIRETO)					
B.D.I. = (1+AC+SG+R)*(1+DF)*(1+L)/(1-I)-1					
AC= ADMINISTRAÇÃO CENTRAL; DF- DESPESAS FINANCEIRAS; R-RISCO; I=TRIBUTOS E L-LUCRO					
B.D.I. = (1+3%+0,59%+0,97%)*(1+0,59%)*(1+6,16%)/(1-(10,15%))-1			28,90%	19,60%	20,97%
B.D.I. = ADOTADO			28,90%		

ISS PREFEITURA					
ADMINISTRAÇÃO CENTRAL (MÃO DE OBRA)	5,00%	x	70,00%	=	3,50%
CONTRIBUIÇÃO PREVIDENCIÁRIA BRUTA (CPRB) DE 4,50% SEMPRE QUANDO HOUVER DESONERAÇÃO INSS					

VALORES DE BDI POR TIPO DE OBRA			
TIPO DE OBRA	1 Quartil	Médio	3 Quartil
Construção de Rodovias e Ferrovias	19,60%	20,97%	24,23%

$$BDI = \frac{(1 + AC + S + R + G)(1 + DF)(1 + L)}{(1 - I)} - 1$$

2.3. Para o tipo de obra "Construção de Rodovias e Ferrovias":

PARCELA DO BDI	1 Quartil	Médio	3 Quartil
Administração Central	3,80%	4,01%	4,67%
Seguro e Garantia	0,32%	0,40%	0,74%
Risco	0,50%	0,56%	0,97%
Despesas Financeiras	1,02%	1,11%	1,21%
Lucro	6,64%	7,30%	8,69%
PIS, COFINS e ISSQN	Conforme legislação específica		

Onde:

AC: taxa de administração central;
S: taxa de seguros;
R: taxa de riscos;
G: taxa de garantias;
DF: taxa de despesas financeiras;
L: taxa de lucro/remuneração;
I: taxa de incidência de impostos (PIS, COFINS, ISS).

Igor Marcilio Rebouças Melo
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COMPOSIÇÃO DE BDI POR TIPO DE OBRA

(Conforme Acórdão 2622/13 - TCU - Plenário)

BDI para: CONSTRUÇÃO DE RODOVIAS E FERROVIAS

(aplicável também a: construção, pavimentação e sinalização de vias urbanas, ruas e locais para estacionamento de veículos; construção de praças e calçadas; elevadores, passarelas e ciclovias etc.)

ITEM	INFORMAR PERCENTUAL DE CADA ITEM COMPONENTE DO BDI			VERIFICAÇÃO DE ATENDIMENTO AO ACÓRDÃO DO TCU
	Mínimo	Médio	Máximo	
Administração Central (AC)	3,80%	4,01%	4,67%	OK
Seguro (S) e Garantia (G)	0,32%	0,40%	0,74%	OK
Risco (R)	0,50%	0,56%	0,97%	OK
Despesas Financeiras (DF)	1,02%	1,11%	1,21%	OK
Lucro (L)	6,64%	7,30%	8,69%	OK
Impostos (I)	PIS (0,65%)			OK
	COFINS (3,00%)			OK
	ISS (aliquota x base de cálculo)			conferir base de cálculo e alíquota informada
	TOTAL IMPOSTOS			conferir adequação do PIS, COFINS e ISS


 Eng.º Marcilio Rebouças Melo
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Fórmula indicada pelo TCU:
 $BDI = [(1+AC+S+G+R) * (1+DF) * (1+L) / (1-I)] - 1$

BDI CALCULADO SEM CPRB	VERIFICAÇÃO DE ATENDIMENTO AO ACÓRDÃO DO TCU
22,65%	OK

INTERVALO BDI ADMISSÍVEL		
Mínimo	Médio	Máximo
19,60%	20,97%	24,23%

INFORMAR ABAIXO O PERCENTUAL DE CPRB	BDI CALCULADO COM CPRB
4,5%	28,90%

Comissão Permanente de Licitação
 947
 Folha
 Assinatura
 Prefeitura Municipal de Recife



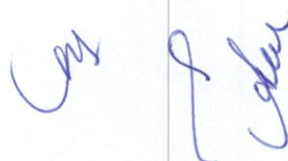
CEARÁ

VIGÊNCIA A PARTIR DE 10/2018

ENCARGOS SOCIAIS SOBRE A MÃO DE OBRA					
CÓDIGO	DESCRIÇÃO	COM DESONERAÇÃO		SEM DESONERAÇÃO	
		HORISTA %	MENSALISTA %	HORISTA %	MENSALISTA %
GRUPO A					
A1	INSS	0,00%	0,00%	20,00%	20,00%
A2	SESI	1,50%	1,50%	1,50%	1,50%
A3	SENAI	1,00%	1,00%	1,00%	1,00%
A4	INCRA	0,20%	0,20%	0,20%	0,20%
A5	SEBRAE	0,60%	0,60%	0,60%	0,60%
A6	Salário Educação	2,50%	2,50%	2,50%	2,50%
A7	Seguro Contra Acidentes de Trabalho	3,00%	3,00%	3,00%	3,00%
A8	FGTS	8,00%	8,00%	8,00%	8,00%
A9	SECONCI	0,00%	0,00%	0,00%	0,00%
A	Total	16,80%	16,80%	36,80%	36,80%
GRUPO B					
B1	Repouso Semanal Remunerado	17,85%	Não incide	17,85%	Não incide
B2	Feriados	3,71%	Não incide	3,71%	Não incide
B3	Auxílio - Enfermidade	0,92%	0,71%	0,92%	0,71%
B4	13º Salário	10,83%	8,33%	10,83%	8,33%
B5	Licença Paternidade	0,07%	0,06%	0,07%	0,06%
B6	Faltas Justificadas	0,72%	0,56%	0,72%	0,56%
B7	Dias de Chuvas	1,55%	Não incide	1,55%	Não incide
B8	Auxílio Acidente de Trabalho	0,11%	0,09%	0,11%	0,09%
B9	Férias Gozadas	9,18%	7,07%	9,18%	7,07%
B10	Salário Maternidade	0,03%	0,02%	0,03%	0,02%
B	Total	44,97%	16,84%	44,97%	16,84%
GRUPO C					
C1	Aviso Prévio Indenizado	5,60%	4,31%	5,60%	4,31%
C2	Aviso Prévio Trabalhado	0,13%	0,10%	0,13%	0,10%
C3	Férias Indenizadas	4,40%	3,39%	4,40%	3,39%
C4	Depósito Rescisão Sem Justa Causa	4,81%	3,70%	4,81%	3,70%
C5	Indenização Adicional	0,47%	0,36%	0,47%	0,36%
C	Total	15,41%	11,86%	15,41%	11,86%
GRUPO D					
D1	Reincidência de Grupo A sobre Grupo B	7,55%	2,83%	16,55%	6,20%
D2	Reincidência de Grupo A sobre Aviso Prévio Trabalhado e Reincidência do FGTS sobre Aviso Prévio Indenizado	0,47%	0,36%	0,50%	0,38%
D	Total	8,02%	3,19%	17,05%	6,58%
TOTAL(A+B+C+D)		85,20%	48,69%	114,23%	72,08%

Fonte: Informação Dias de Chuva - INMET


 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 06 1045228-2
 CREA 48684-D





Anotação de Responsabilidade Técnica - ART
Lei nº 6.496, de 7 de dezembro de 1977

CREA-CE

ART OBRA / SERVIÇO
Nº CE20200589902

Conselho Regional de Engenharia e Agronomia do Ceará

INICIAL

1. Responsável Técnico

IGOR MARCÍLIO REBOUÇAS MELO

Título profissional: **ENGENHEIRO CIVIL**

RNP: **0610452282**

Registro: **48684D CE**

2. Dados do Contrato

Contratante: **PREFEITURA MUNICIPAL DE ACARAÚ**

AVENIDA CAPITÃO DIOGO LOPES

Complemento:

Cidade: **Acaraú**

CPF/CNPJ: **07.547.821/0001-91**

Nº: **2105**

Bairro: **VEREADOR ANTÔNIO LIVINO DA SILVA**
UF: **CE**

CEP: **62580000**

Contrato: **Não especificado**

Celebrado em: **01/09/2019**

Valor: **R\$ 3.004.466,75**

Tipo de contratante: **PESSOA JURÍDICA DE DIREITO PÚBLICO**

Ação Institucional: **NENHUMA - NÃO OPTANTE**



3. Dados da Obra/Serviço

SEM DEFINIÇÃO Diversos Trechos do município de Acaraú/CE

Complemento:

Cidade: **Acaraú**

Data de Início: **01/09/2019**

Previsão de término: **31/01/2020**

Finalidade: **Infraestrutura**

Proprietário: **PREFEITURA MUNICIPAL DE ACARAÚ**

Nº: **SN**

Bairro: **Diversos Trechos do município de Acaraú/CE**

UF: **CE**

CEP: **62580000**

Coordenadas Geográficas: **0, 0**

Código: **Não especificado**

CPF/CNPJ: **07.547.821/0001-91**

4. Atividade Técnica

15 - **Elaboração**

80 - Projeto > TOS CONFEA -> TRANSPORTES -> INFRAESTRUTURA RODOVIÁRIA -> #TOS_4.1.5 - DE TRAÇADO VIÁRIO PARA RODOVIAS

Quantidade

Unidade

15,00

un

35 - Elaboração de orçamento > TOS CONFEA -> TRANSPORTES -> INFRAESTRUTURA RODOVIÁRIA -> #TOS_4.1.5 - DE TRAÇADO VIÁRIO PARA RODOVIAS

15,00

un

Após a conclusão das atividades técnicas o profissional deverá proceder a baixa desta ART

5. Observações

ART REFERENTE A ELABORAÇÃO DE PROJETOS E ORÇAMENTOS DAS Restaurações de Estradas Vicinais em Diversos Trechos do município de Acaraú/CE

6. Declarações

- Declaro que estou cumprindo as regras de acessibilidade previstas nas normas técnicas da ABNT, na legislação específica e no decreto n. 5296/2004.

7. Entidade de Classe

CLUBE DE ENGENHARIA DO CEARÁ (CEC)

8. Assinaturas

Declaro serem verdadeiras as informações acima

IGOR MARCÍLIO REBOUÇAS MELO - CPF: 016.029.713-31

Local

data

PREFEITURA MUNICIPAL DE ACARAÚ - CNPJ: 07.547.821/0001-91

9. Informações

* A ART é válida somente quando quitada, mediante apresentação do comprovante do pagamento ou conferência no site do Crea.

* Somente é considerada válida a ART quando estiver cadastrada no CREA, quitada, possuir as assinaturas originais do profissional e contratante.

10. Valor

Valor da ART: **R\$ 233,94**

Registrada em: **08/01/2020**

Valor pago: **R\$ 233,94**

Nosso Número: **8213729074**

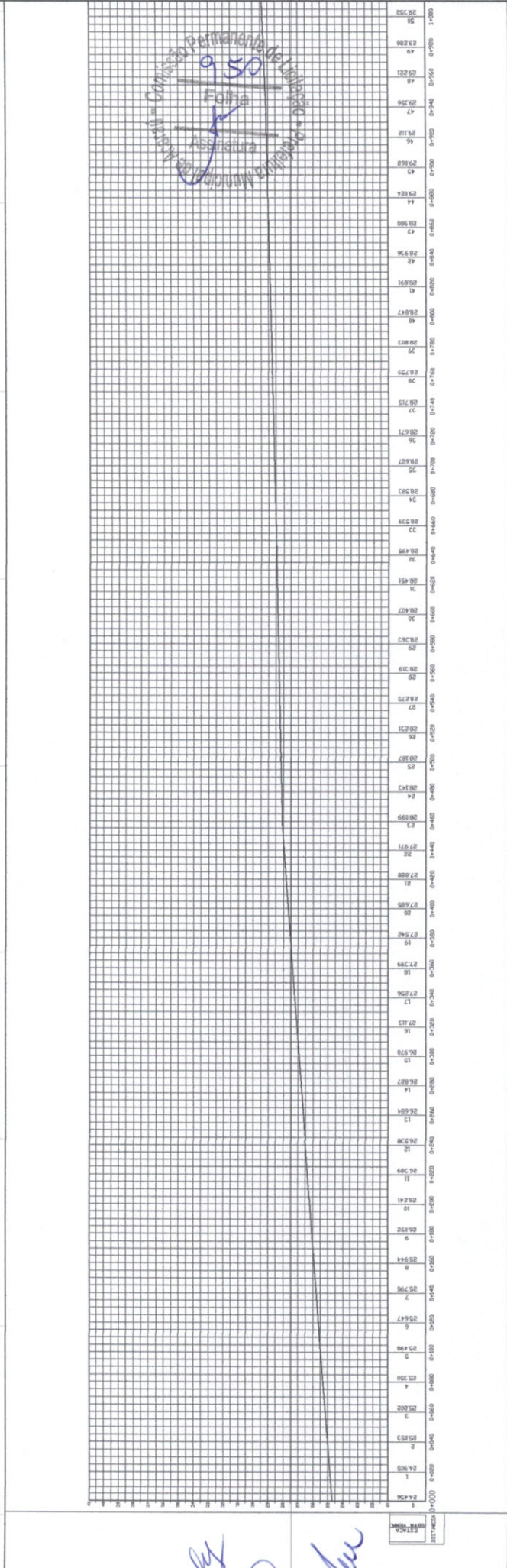
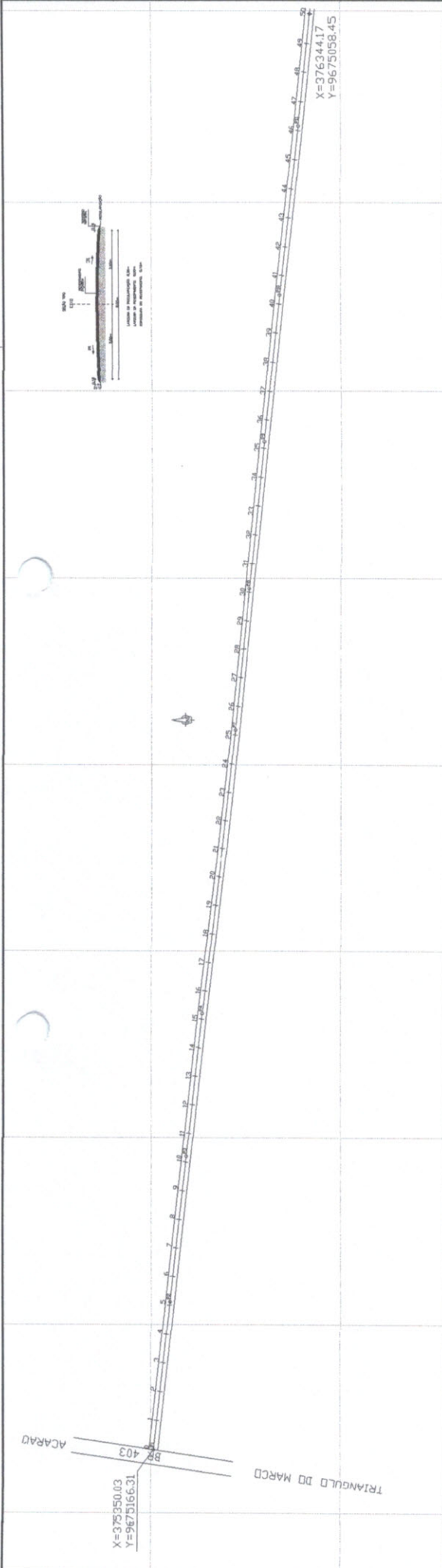
A autenticidade desta ART pode ser verificada em: <https://crea-ce.sitac.com.br/publico/>, com a chave: 9z8cd
Impresso em: 31/01/2020 às 12:52:10 por: , ip: 177.21.96.214

www.crea.org.br
Tel: (85) 3453-5800

faleconosco@crea.org.br
Fax: (85) 3453-5804

CREA-CE
Conselho Regional de Engenharia e Agronomia do Ceará





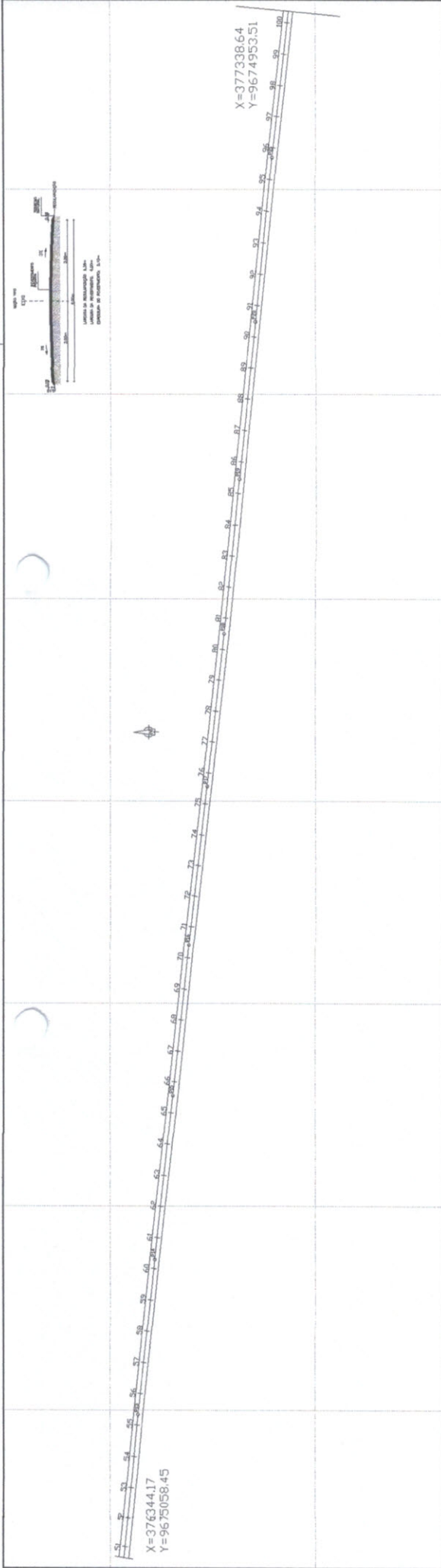
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1+00	84.900	26+00	85.500
2+00	84.900	27+00	85.500
3+00	84.900	28+00	85.500
4+00	84.900	29+00	85.500
5+00	84.900	30+00	85.500
6+00	84.900	31+00	85.500
7+00	84.900	32+00	85.500
8+00	84.900	33+00	85.500
9+00	84.900	34+00	85.500
10+00	84.900	35+00	85.500
11+00	84.900	36+00	85.500
12+00	84.900	37+00	85.500
13+00	84.900	38+00	85.500
14+00	84.900	39+00	85.500
15+00	84.900	40+00	85.500
16+00	84.900	41+00	85.500
17+00	84.900	42+00	85.500
18+00	84.900	43+00	85.500
19+00	84.900	44+00	85.500
20+00	84.900	45+00	85.500
21+00	84.900	46+00	85.500
22+00	84.900	47+00	85.500
23+00	84.900	48+00	85.500
24+00	84.900	49+00	85.500
25+00	84.900	50+00	85.500


 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

LEGENDA
 — TERRENO NATURAL

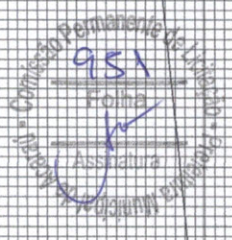
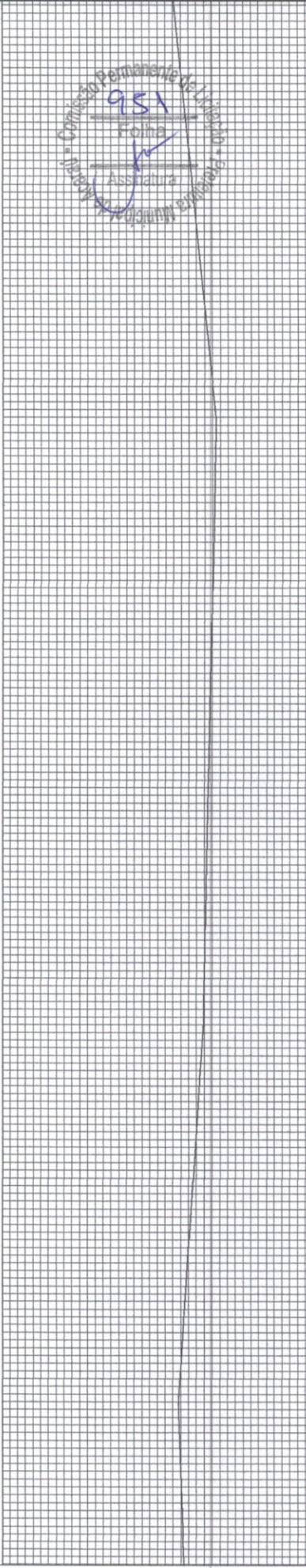
PREFEITURA MUNICIPAL DE ACARÁ

TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMECEGAS
 EXTENSÃO: 12,8KM
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL



X=3777386,4
Y=9674933,51

X=376344,17
Y=9675058,45



ESTACÃO	1+00	1+10	1+20	1+30	1+40	1+50	1+60	1+70	1+80	1+90	2+00
20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	21.00	21.10
21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	22.00	22.10	22.20	22.30
22.40	22.50	22.60	22.70	22.80	22.90	23.00	23.10	23.20	23.30	23.40	23.50
23.60	23.70	23.80	23.90	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70
24.80	24.90	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90
26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	27.00	27.10
27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	28.00	28.10	28.20	28.30
28.40	28.50	28.60	28.70	28.80	28.90	29.00	29.10	29.20	29.30	29.40	29.50
29.60	29.70	29.80	29.90	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70
30.80	30.90	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90
32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	33.00	33.10
33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	34.00	34.10	34.20	34.30
34.40	34.50	34.60	34.70	34.80	34.90	35.00	35.10	35.20	35.30	35.40	35.50
35.60	35.70	35.80	35.90	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70
36.80	36.90	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90
38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	39.00	39.10
39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	40.00	40.10	40.20	40.30
40.40	40.50	40.60	40.70	40.80	40.90	41.00	41.10	41.20	41.30	41.40	41.50
41.60	41.70	41.80	41.90	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70
42.80	42.90	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90
44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	45.00	45.10
45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	46.00	46.10	46.20	46.30
46.40	46.50	46.60	46.70	46.80	46.90	47.00	47.10	47.20	47.30	47.40	47.50
47.60	47.70	47.80	47.90	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70
48.80	48.90	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90
50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	51.00	51.10
51.20	51.30	51.40	51.50	51.60	51.70	51.80	51.90	52.00	52.10	52.20	52.30
52.40	52.50	52.60	52.70	52.80	52.90	53.00	53.10	53.20	53.30	53.40	53.50
53.60	53.70	53.80	53.90	54.00	54.10	54.20	54.30	54.40	54.50	54.60	54.70
54.80	54.90	55.00	55.10	55.20	55.30	55.40	55.50	55.60	55.70	55.80	55.90
56.00	56.10	56.20	56.30	56.40	56.50	56.60	56.70	56.80	56.90	57.00	57.10
57.20	57.30	57.40	57.50	57.60	57.70	57.80	57.90	58.00	58.10	58.20	58.30
58.40	58.50	58.60	58.70	58.80	58.90	59.00	59.10	59.20	59.30	59.40	59.50
59.60	59.70	59.80	59.90	60.00	60.10	60.20	60.30	60.40	60.50	60.60	60.70
60.80	60.90	61.00	61.10	61.20	61.30	61.40	61.50	61.60	61.70	61.80	61.90
62.00	62.10	62.20	62.30	62.40	62.50	62.60	62.70	62.80	62.90	63.00	63.10
63.20	63.30	63.40	63.50	63.60	63.70	63.80	63.90	64.00	64.10	64.20	64.30
64.40	64.50	64.60	64.70	64.80	64.90	65.00	65.10	65.20	65.30	65.40	65.50
65.60	65.70	65.80	65.90	66.00	66.10	66.20	66.30	66.40	66.50	66.60	66.70
66.80	66.90	67.00	67.10	67.20	67.30	67.40	67.50	67.60	67.70	67.80	67.90
68.00	68.10	68.20	68.30	68.40	68.50	68.60	68.70	68.80	68.90	69.00	69.10
69.20	69.30	69.40	69.50	69.60	69.70	69.80	69.90	70.00	70.10	70.20	70.30
70.40	70.50	70.60	70.70	70.80	70.90	71.00	71.10	71.20	71.30	71.40	71.50
71.60	71.70	71.80	71.90	72.00	72.10	72.20	72.30	72.40	72.50	72.60	72.70
72.80	72.90	73.00	73.10	73.20	73.30	73.40	73.50	73.60	73.70	73.80	73.90
74.00	74.10	74.20	74.30	74.40	74.50	74.60	74.70	74.80	74.90	75.00	75.10
75.20	75.30	75.40	75.50	75.60	75.70	75.80	75.90	76.00	76.10	76.20	76.30
76.40	76.50	76.60	76.70	76.80	76.90	77.00	77.10	77.20	77.30	77.40	77.50
77.60	77.70	77.80	77.90	78.00	78.10	78.20	78.30	78.40	78.50	78.60	78.70
78.80	78.90	79.00	79.10	79.20	79.30	79.40	79.50	79.60	79.70	79.80	79.90
80.00	80.10	80.20	80.30	80.40	80.50	80.60	80.70	80.80	80.90	81.00	81.10
81.20	81.30	81.40	81.50	81.60	81.70	81.80	81.90	82.00	82.10	82.20	82.30
82.40	82.50	82.60	82.70	82.80	82.90	83.00	83.10	83.20	83.30	83.40	83.50
83.60	83.70	83.80	83.90	84.00	84.10	84.20	84.30	84.40	84.50	84.60	84.70
84.80	84.90	85.00	85.10	85.20	85.30	85.40	85.50	85.60	85.70	85.80	85.90
86.00	86.10	86.20	86.30	86.40	86.50	86.60	86.70	86.80	86.90	87.00	87.10
87.20	87.30	87.40	87.50	87.60	87.70	87.80	87.90	88.00	88.10	88.20	88.30
88.40	88.50	88.60	88.70	88.80	88.90	89.00	89.10	89.20	89.30	89.40	89.50
89.60	89.70	89.80	89.90	90.00	90.10	90.20	90.30	90.40	90.50	90.60	90.70
90.80	90.90	91.00	91.10	91.20	91.30	91.40	91.50	91.60	91.70	91.80	91.90
92.00	92.10	92.20	92.30	92.40	92.50	92.60	92.70	92.80	92.90	93.00	93.10
93.20	93.30	93.40	93.50	93.60	93.70	93.80	93.90	94.00	94.10	94.20	94.30
94.40	94.50	94.60	94.70	94.80	94.90	95.00	95.10	95.20	95.30	95.40	95.50
95.60	95.70	95.80	95.90	96.00	96.10	96.20	96.30	96.40	96.50	96.60	96.70
96.80	96.90	97.00	97.10	97.20	97.30	97.40	97.50	97.60	97.70	97.80	97.90
98.00	98.10	98.20	98.30	98.40	98.50	98.60	98.70	98.80	98.90	99.00	99.10
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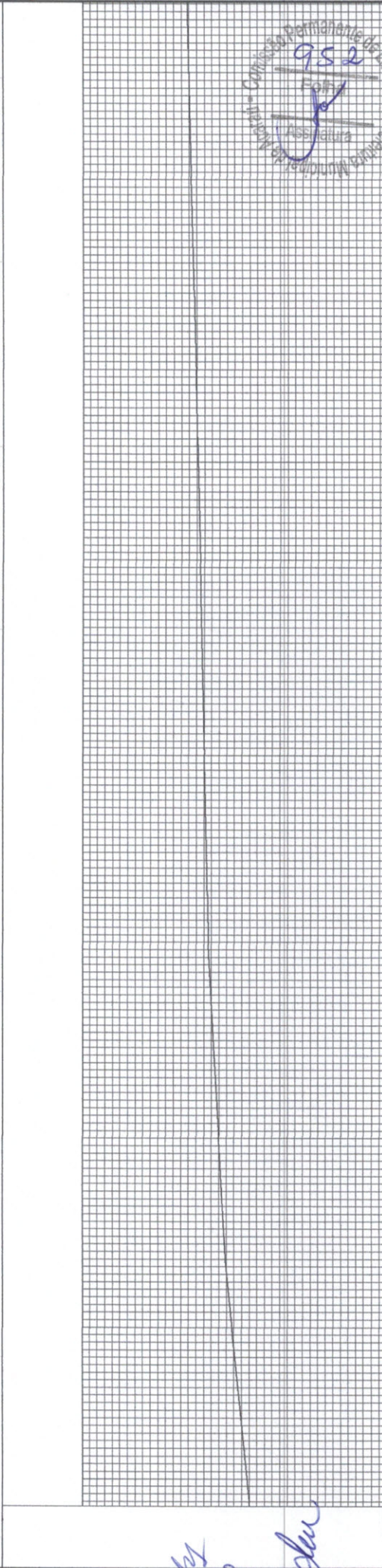
LEGENDA

 TERRENO NATURAL

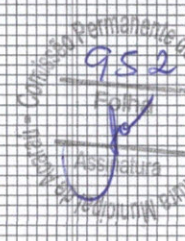
Igor
 Igor Marçilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÚ
 TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMECEGAS
 EXTENSÃO: 12,2 KM
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST. 51+000 a EST. 100+000


Igor
Assisida



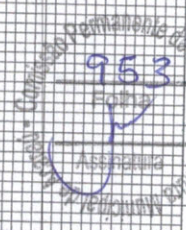
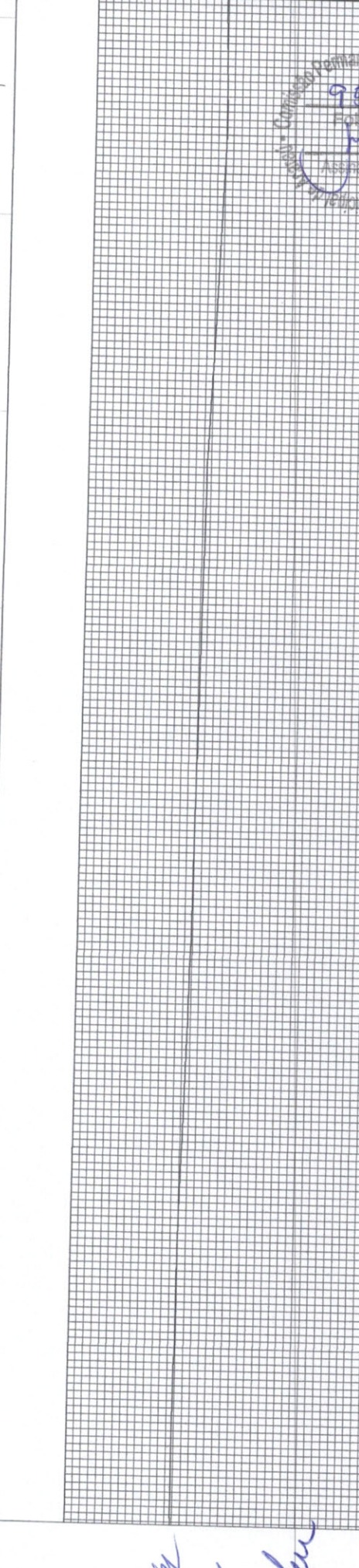
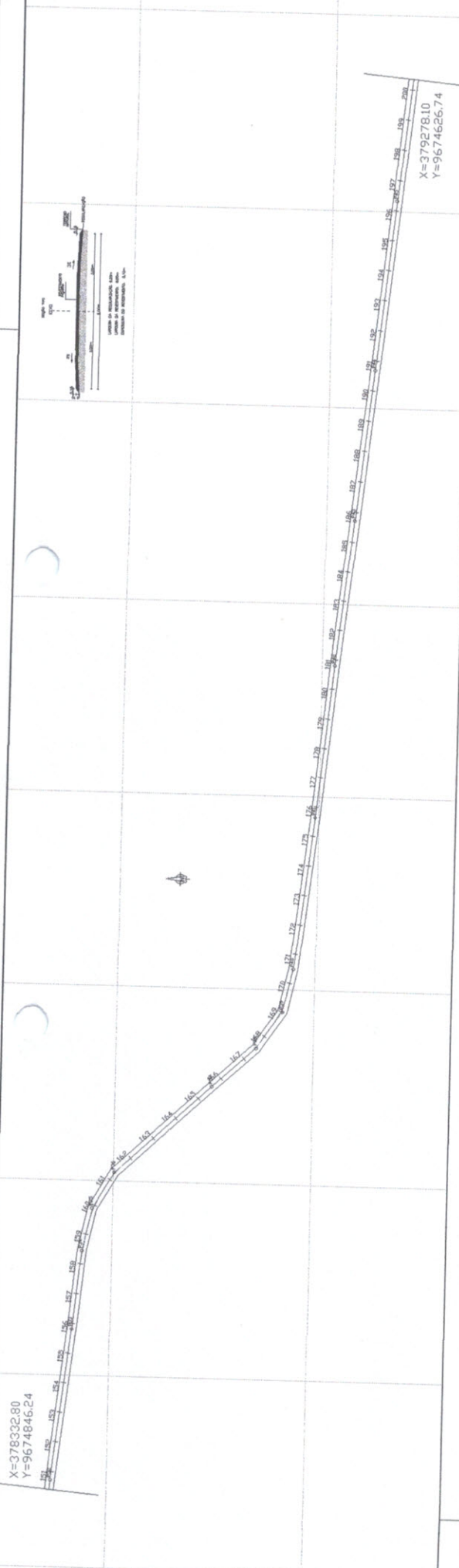
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ALTURA	100	104	108	112	116	120	124	128	132	136	140	144	148	152	156	160	164	168	172	176	180	184	188	192	196	200	204	208	212	216	220	224	228	232	236	240	244	248	252	256	260	264	268	272	276	280	284	288	292	296	300	304	308	312	316	320	324	328	332	336	340	344	348	352	356	360	364	368	372	376	380	384	388	392	396	400	404	408	412	416	420	424	428	432	436	440	444	448	452	456	460	464	468	472	476	480	484	488	492	496	500



LEGENDA
 ——— TERRENO NATURAL


 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÚ
 TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMECEGAS
 EXTENSAO: 12,2KM
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST: 101-H/03 e EST: 150-H/08



34200	31440	31460	31480	31500	31520	31540	31560	31580	31600	31620	31640	31660	31680	31700	31720	31740	31760	31780	31800	31820	31840	31860	31880	31900	31920	31940	31960	31980	4000	
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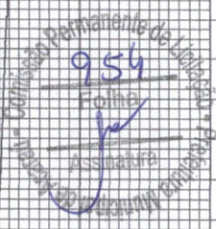
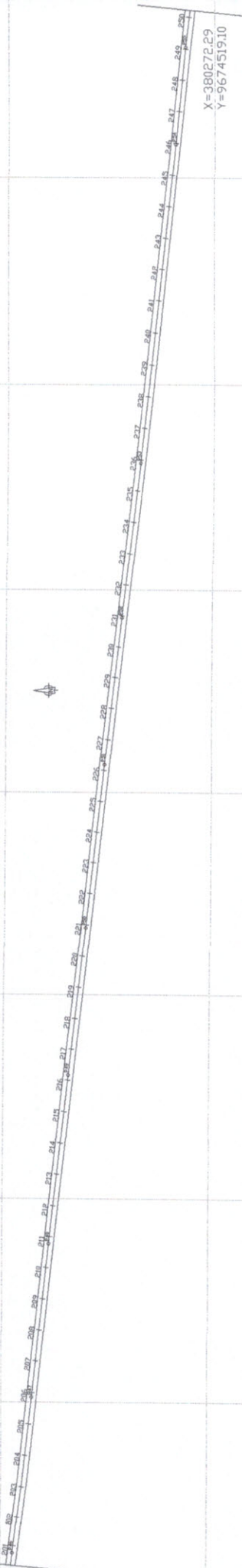
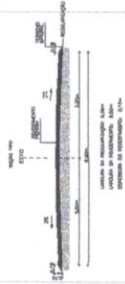
LEGENDA
 TERRENO NATURAL

Igor
 Igor Marçilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARÁ
 TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMECÉGAS
 EXTENSÃO: 0260M
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST. 15+0,00 e EST. 20+0,00

X=379278.10
Y=9674626.74

X=380278.29
Y=9674519.10



ESTACA	1000	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000
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[Handwritten signatures]

LEGENDA
 TERRENO NATURAL

[Handwritten signature]
 Igor Marcilio Reboucas Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

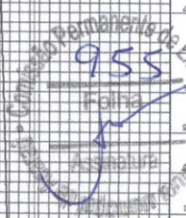
PREFEITURA MUNICIPAL DE ACARAO

TRECHO DE LIGACAO
 BR 403 - TUCUNZEIROS - ALMECEGAS
 EXTENSÃO: 12,62KM
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST. 201+00,00 a EST. 220+00,00

X=380861.25
Y=9675134.98


X=380272.29
Y=9674519.10

TUCUNZEIRO



ESTACÃO	0+000	0+005	0+010	0+015	0+020	0+025	0+030	0+035	0+040	0+045	0+050	0+055	0+060	0+065	0+070	0+075	0+080	0+085	0+090	0+095	0+100	0+105	0+110	0+115	0+120	0+125	0+130	0+135	0+140	0+145	0+150	0+155	0+160	0+165	0+170	0+175	0+180	0+185	0+190	0+195	0+200	0+205	0+210	0+215	0+220	0+225	0+230	0+235	0+240	0+245	0+250	0+255	0+260	0+265	0+270	0+275	0+280	0+285	0+290	0+295	0+300	0+305	0+310	0+315	0+320	0+325	0+330	0+335	0+340	0+345	0+350	0+355	0+360	0+365	0+370	0+375	0+380	0+385	0+390	0+395	0+400	0+405	0+410	0+415	0+420	0+425	0+430	0+435	0+440	0+445	0+450	0+455	0+460	0+465	0+470	0+475	0+480	0+485	0+490	0+495	0+500	0+505	0+510	0+515	0+520	0+525	0+530	0+535	0+540	0+545	0+550	0+555	0+560	0+565	0+570	0+575	0+580	0+585	0+590	0+595	0+600	0+605	0+610	0+615	0+620	0+625	0+630	0+635	0+640	0+645	0+650	0+655	0+660	0+665	0+670	0+675	0+680	0+685	0+690	0+695	0+700	0+705	0+710	0+715	0+720	0+725	0+730	0+735	0+740	0+745	0+750	0+755	0+760	0+765	0+770	0+775	0+780	0+785	0+790	0+795	0+800	0+805	0+810	0+815	0+820	0+825	0+830	0+835	0+840	0+845	0+850	0+855	0+860	0+865	0+870	0+875	0+880	0+885	0+890	0+895	0+900	0+905	0+910	0+915	0+920	0+925	0+930	0+935	0+940	0+945	0+950	0+955	0+960	0+965	0+970	0+975	0+980	0+985	0+990	0+995	1+000
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LEGENDA
— TERRENO NATURAL

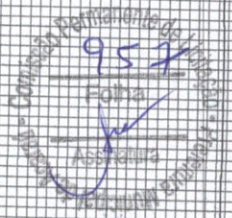
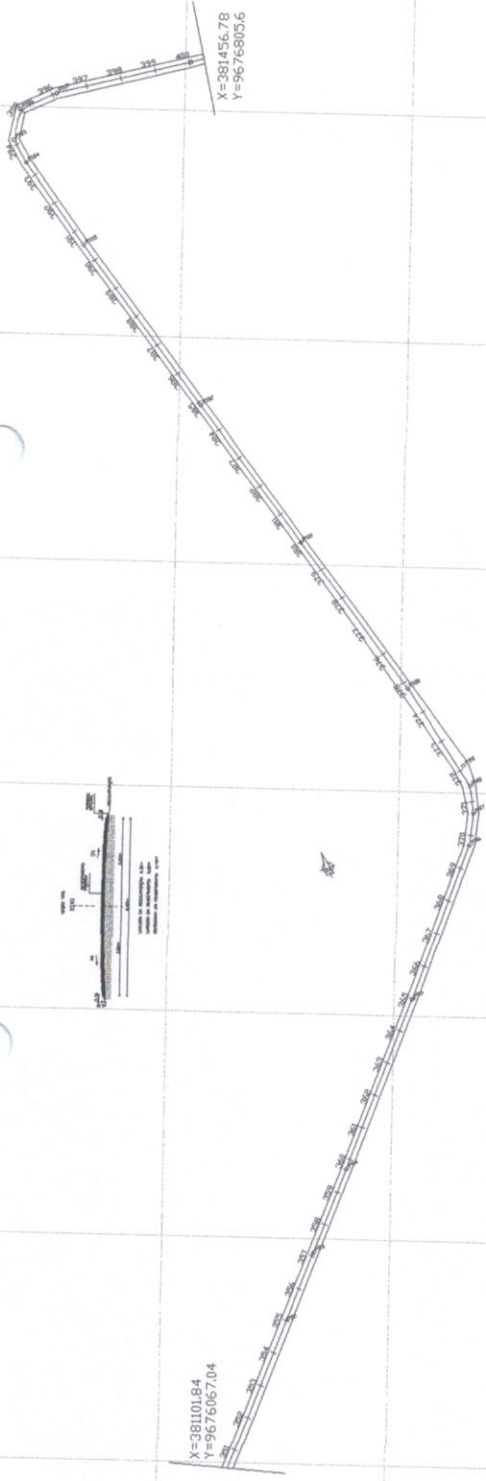

 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÚ

TRECHO DE LIGAÇÃO
BR 403 - TUCUNZEIROS - ALMECEGAS
EXTENSÃO: 12,2KM

ESTRADA TUCUNZEIROS - PLANTA E PERFIL
EST: 20H/07M e EST: 30P/00R

Handwritten signature in blue ink.



Handwritten signatures and initials in blue ink.

ESTACÃO	ALTIMETRIA
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7+010	883,95
7+020	883,95
7+030	883,95
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7+490	883,95
7+500	883,95

LEGENDA

 TERRENO NATURAL

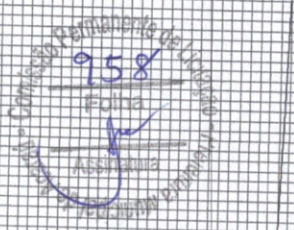
Handwritten signature of Igor Marcilio Rebouças Melo
 Igor Marcilio Rebouças Melo
 Engenheiro Civil
 RNP 06 10452228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÓ
 TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMECEGAS
 EXTENSÃO: 12,60M
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST. 351+0,00 a EST. 400+0,00

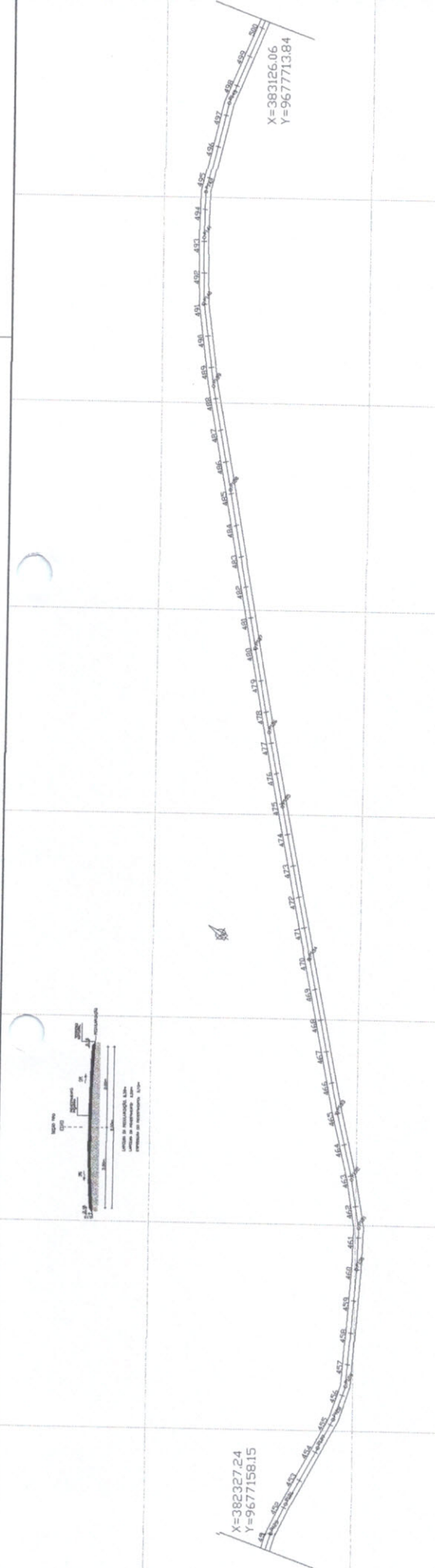


X=381456.78
 Y=9676805.6

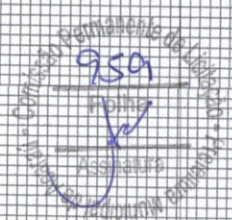
X=382327.24
 Y=9677158.15



ESTACÃO	2+24	2+25	2+26	2+27	2+28	2+29	2+30	2+31	2+32	2+33	2+34	2+35	2+36	2+37	2+38	2+39	2+40	2+41	2+42	2+43	2+44	2+45	2+46	2+47	2+48	2+49	2+50	2+51	2+52	2+53	2+54	2+55	2+56	2+57	2+58	2+59	2+60	2+61	2+62	2+63	2+64	2+65	2+66	2+67	2+68	2+69	2+70	2+71	2+72	2+73	2+74	2+75	2+76	2+77	2+78	2+79	2+80	2+81	2+82	2+83	2+84	2+85	2+86	2+87	2+88	2+89	2+90	2+91	2+92	2+93	2+94	2+95	2+96	2+97	2+98	2+99	3+00	3+01	3+02	3+03	3+04	3+05	3+06	3+07	3+08	3+09	3+10	3+11	3+12	3+13	3+14	3+15	3+16	3+17	3+18	3+19	3+20	3+21	3+22	3+23	3+24	3+25	3+26	3+27	3+28	3+29	3+30	3+31	3+32	3+33	3+34	3+35	3+36	3+37	3+38	3+39	3+40	3+41	3+42	3+43	3+44	3+45	3+46	3+47	3+48	3+49	3+50	3+51	3+52	3+53	3+54	3+55	3+56	3+57	3+58	3+59	3+60	3+61	3+62	3+63	3+64	3+65	3+66	3+67	3+68	3+69	3+70	3+71	3+72	3+73	3+74	3+75	3+76	3+77	3+78	3+79	3+80	3+81	3+82	3+83	3+84	3+85	3+86	3+87	3+88	3+89	3+90	3+91	3+92	3+93	3+94	3+95	3+96	3+97	3+98	3+99	4+00	4+01	4+02	4+03	4+04	4+05	4+06	4+07	4+08	4+09	4+10	4+11	4+12	4+13	4+14	4+15	4+16	4+17	4+18	4+19	4+20	4+21	4+22	4+23	4+24	4+25	4+26	4+27	4+28	4+29	4+30	4+31	4+32	4+33	4+34	4+35	4+36	4+37	4+38	4+39	4+40	4+41	4+42	4+43	4+44	4+45	4+46	4+47	4+48	4+49	4+50	4+51	4+52	4+53	4+54	4+55	4+56	4+57	4+58	4+59	4+60	4+61	4+62	4+63	4+64	4+65	4+66	4+67	4+68	4+69	4+70	4+71	4+72	4+73	4+74	4+75	4+76	4+77	4+78	4+79	4+80	4+81	4+82	4+83	4+84	4+85	4+86	4+87	4+88	4+89	4+90	4+91	4+92	4+93	4+94	4+95	4+96	4+97	4+98	4+99	5+00	5+01	5+02	5+03	5+04	5+05	5+06	5+07	5+08	5+09	5+10	5+11	5+12	5+13	5+14	5+15	5+16	5+17	5+18	5+19	5+20	5+21	5+22	5+23	5+24	5+25	5+26	5+27	5+28	5+29	5+30	5+31	5+32	5+33	5+34	5+35	5+36	5+37	5+38	5+39	5+40	5+41	5+42	5+43	5+44	5+45	5+46	5+47	5+48	5+49	5+50	5+51	5+52	5+53	5+54	5+55	5+56	5+57	5+58	5+59	5+60	5+61	5+62	5+63	5+64	5+65	5+66	5+67	5+68	5+69	5+70	5+71	5+72	5+73	5+74	5+75	5+76	5+77	5+78	5+79	5+80	5+81	5+82	5+83	5+84	5+85	5+86	5+87	5+88	5+89	5+90	5+91	5+92	5+93	5+94	5+95	5+96	5+97	5+98	5+99	6+00	6+01	6+02	6+03	6+04	6+05	6+06	6+07	6+08	6+09	6+10	6+11	6+12	6+13	6+14	6+15	6+16	6+17	6+18	6+19	6+20	6+21	6+22	6+23	6+24	6+25	6+26	6+27	6+28	6+29	6+30	6+31	6+32	6+33	6+34	6+35	6+36	6+37	6+38	6+39	6+40	6+41	6+42	6+43	6+44	6+45	6+46	6+47	6+48	6+49	6+50	6+51	6+52	6+53	6+54	6+55	6+56	6+57	6+58	6+59	6+60	6+61	6+62	6+63	6+64	6+65	6+66	6+67	6+68	6+69	6+70	6+71	6+72	6+73	6+74	6+75	6+76	6+77	6+78	6+79	6+80	6+81	6+82	6+83	6+84	6+85	6+86	6+87	6+88	6+89	6+90	6+91	6+92	6+93	6+94	6+95	6+96	6+97	6+98	6+99	7+00	7+01	7+02	7+03	7+04	7+05	7+06	7+07	7+08	7+09	7+10	7+11	7+12	7+13	7+14	7+15	7+16	7+17	7+18	7+19	7+20	7+21	7+22	7+23	7+24	7+25	7+26	7+27	7+28	7+29	7+30	7+31	7+32	7+33	7+34	7+35	7+36	7+37	7+38	7+39	7+40	7+41	7+42	7+43	7+44	7+45	7+46	7+47	7+48	7+49	7+50	7+51	7+52	7+53	7+54	7+55	7+56	7+57	7+58	7+59	7+60	7+61	7+62	7+63	7+64	7+65	7+66	7+67	7+68	7+69	7+70	7+71	7+72	7+73	7+74	7+75	7+76	7+77	7+78	7+79	7+80	7+81	7+82	7+83	7+84	7+85	7+86	7+87	7+88	7+89	7+90	7+91	7+92	7+93	7+94	7+95	7+96	7+97	7+98	7+99	8+00	8+01	8+02	8+03	8+04	8+05	8+06	8+07	8+08	8+09	8+10	8+11	8+12	8+13	8+14	8+15	8+16	8+17	8+18	8+19	8+20	8+21	8+22	8+23	8+24	8+25	8+26	8+27	8+28	8+29	8+30	8+31	8+32	8+33	8+34	8+35	8+36	8+37	8+38	8+39	8+40	8+41	8+42	8+43	8+44	8+45	8+46	8+47	8+48	8+49	8+50	8+51	8+52	8+53	8+54	8+55	8+56	8+57	8+58	8+59	8+60	8+61	8+62	8+63	8+64	8+65	8+66	8+67	8+68	8+69	8+70	8+71	8+72	8+73	8+74	8+75	8+76	8+77	8+78	8+79	8+80	8+81	8+82	8+83	8+84	8+85	8+86	8+87	8+88	8+89	8+90	8+91	8+92	8+93	8+94	8+95	8+96	8+97	8+98	8+99	9+00	9+01	9+02	9+03	9+04	9+05	9+06	9+07	9+08	9+09	9+10	9+11	9+12	9+13	9+14	9+15	9+16	9+17	9+18	9+19	9+20	9+21	9+22	9+23	9+24	9+25	9+26	9+27	9+28	9+29	9+30	9+31	9+32	9+33	9+34	9+35	9+36	9+37	9+38	9+39	9+40	9+41	9+42	9+43	9+44	9+45	9+46	9+47	9+48	9+49	9+50	9+51	9+52	9+53	9+54	9+55	9+56	9+57	9+58	9+59	9+60	9+61	9+62	9+63	9+64	9+65	9+66	9+67	9+68	9+69	9+70	9+71	9+72	9+73	9+74	9+75	9+76	9+77	9+78	9+79	9+80	9+81	9+82	9+83	9+84	9+85	9+86	9+87	9+88	9+89	9+90	9+91	9+92	9+93	9+94	9+95	9+96	9+97	9+98	9+99	10+00	10+01	10+02	10+03	10+04	10+05	10+06	10+07	10+08	10+09	10+10	10+11	10+12	10+13	10+14	10+15	10+16	10+17	10+18	10+19	10+20	10+21	10+22	10+23	10+24	10+25	10+26	10+27	10+28	10+29	10+30	10+31	10+32	10+33	10+34	10+35	10+36	10+37	10+38	10+39	10+40	10+41	10+42	10+43	10+44	10+45	10+46	10+47	10+48	10+49	10+50	10+51	10+52	10+53	10+54	10+55	10+56	10+57	10+58	10+59	10+60	10+61	10+62	10+63	10+64	10+65	10+66	10+67	10+68	10+69	10+70	10+71	10+72	10+73	10+74	10+75	10+76	10+77	10+78	10+79	10+80	10+81	10+82	10+83	10+84	10+85	10+86	10+87	10+88	10+89	10+90	10+91	10+92	10+93	10+94	10+95	10+96	10+97	10+98	10+99	11+00	11+01	11+02	11+03	11+04	11+05	11+06	11+07	11+08	11+09	11+10	11+11	11+12	11+13	11+14	11+15	11+16	11+17	11+18	11+19	11+20	11+21	11+22	11+23	11+24	11+25	11+26	11+27	11+28	11+29	11+30	11+31	11+32	11+33	11+34	11+35	11+36	11+37	11+38	11+39	11+40	11+41	11+42	11+43	11+44	11+45	11+46	11+47	11+48	11+49	11+50	11+51	11+52	11+53	11+54	11+55	11+56	11+57	11+58	11+59	11+60	11+61	11+62	11+63	11+64	11+65	11+66	11+67	11+68	11+69	11+70	11+71	11+72	11+73	11+74	11+75	11+76	11+77	11+78	11+79	11+80	11+81	11+82	11+83	11+84	11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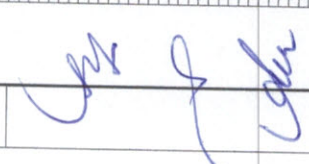
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91880	376
91885	374
91890	372
91895	370
91900	368




 Igor Marcilio Reboças Melo
 Engenheiro Civil
 RNP 061045228-2
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LEGENDA
 — TERRENO NATURAL

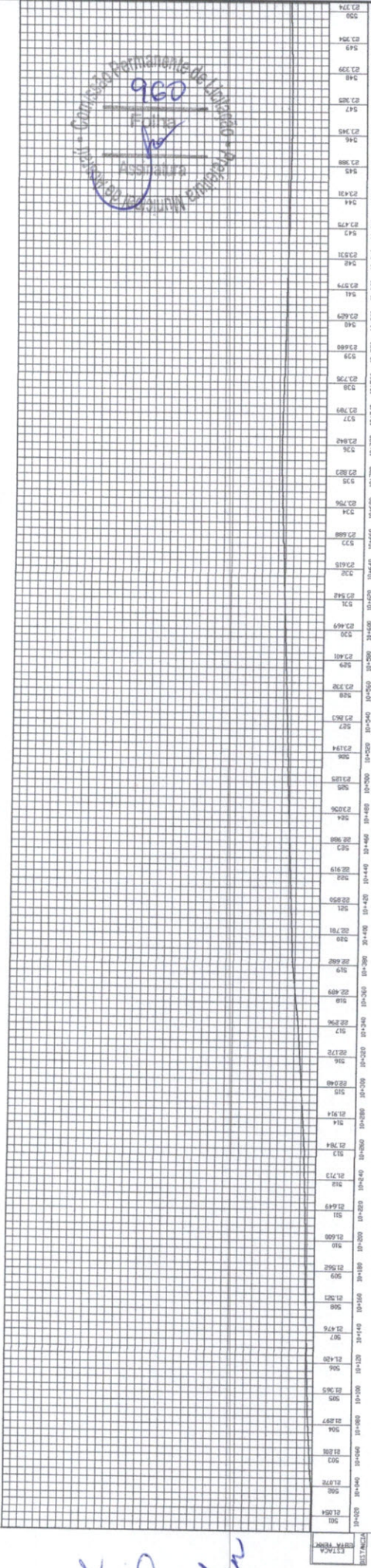
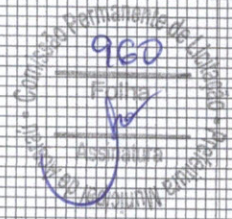
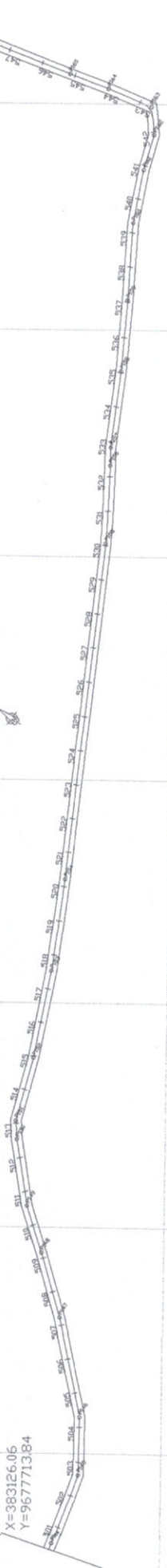
PREFEITURA MUNICIPAL DE ACARAÚ
 TRECHO DE LIGAÇÃO
 BR 403 - TUCUNZEIROS - ALMEIDEGAS
 EXTENSÃO: 12,6KM
 ESTRADA TUCUNZEIROS - PLANTA E PERFIL
 EST. 451+0,00 a EST. 500+0,00



X=383831.17
Y=9678264.30



X=383126.05
Y=967713.84



ESTAC.
ELEV. TERMO.

LEGENDA

— TERRENO NATURAL

Igor
Igor Marcilio Rebouças Melo
Engenheiro Civil
RNP 061045228-2
CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÚ

TRECHO DE LIGAÇÃO
BR 403 - TUCUNZEIROS - ALMECEGAS
EXTENSÃO: 12,6KM
ESTRADA TUCUNZEIROS - PLANTA E PERFIL
EST. 501+0,00 @ EST. 509+0,00

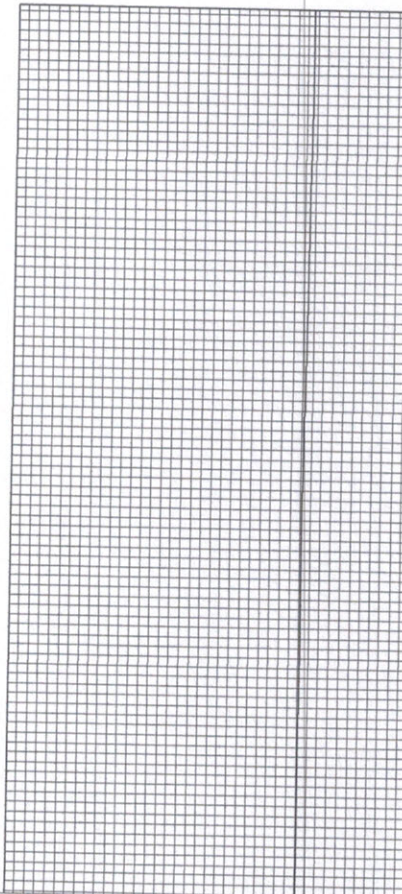
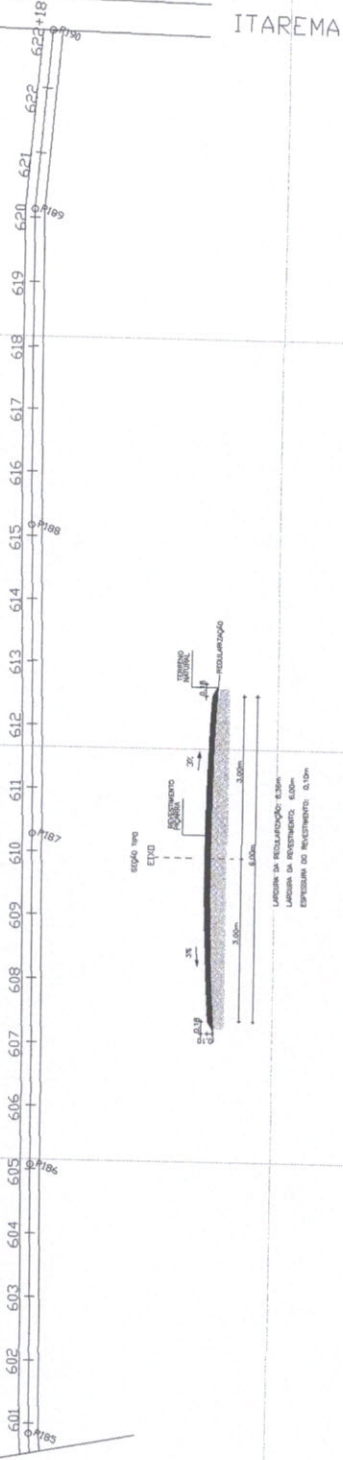
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ACARAU ITAREMA

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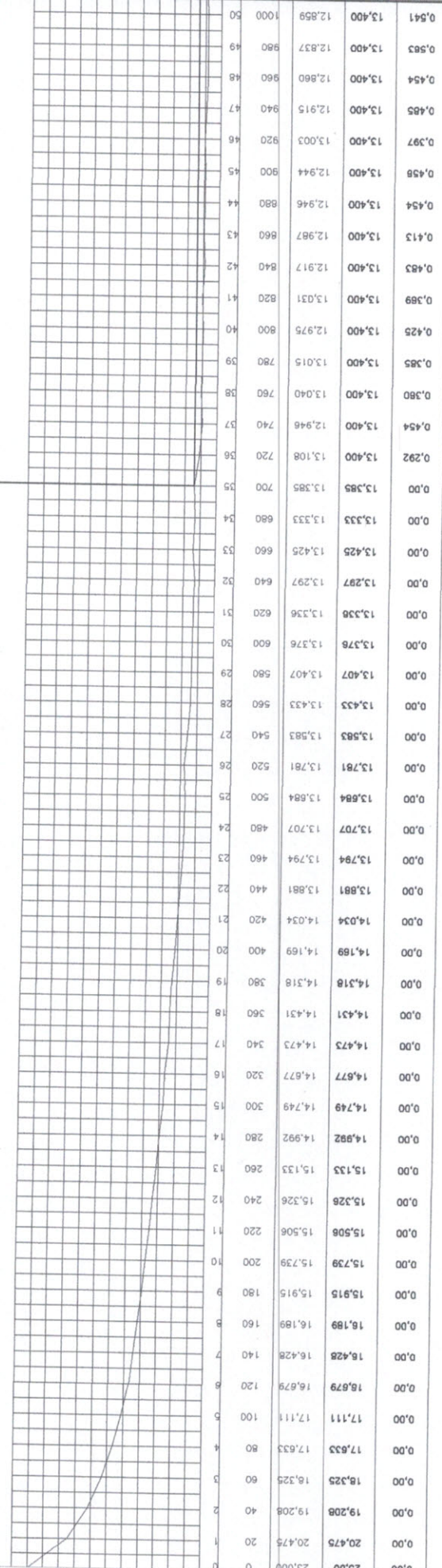
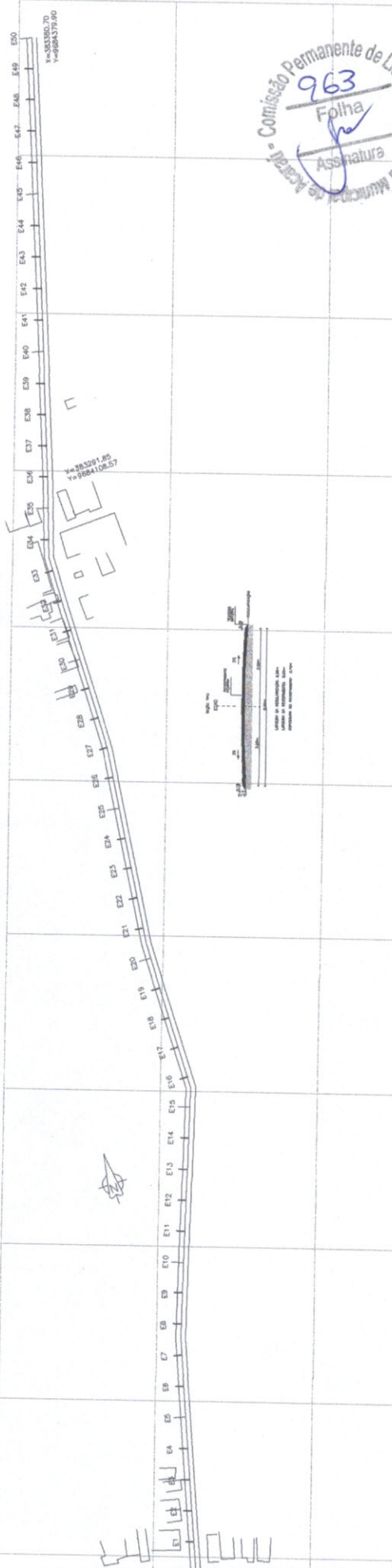
CE 085

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602	622.18	612	611.10	622	622.08
603	622.08	613	611.00	623	621.98
604	621.98	614	610.90	624	621.88
605	621.88	615	610.80	625	621.78
606	621.78	616	610.70	626	621.68
607	621.68	617	610.60	627	621.58
608	621.58	618	610.50	628	621.48
609	621.48	619	610.40	629	621.38
610	621.38	620	610.30	630	621.28
611	621.28	621	610.20	631	621.18
612	621.18	622	610.10	632	621.08
613	621.08	623	610.00	633	620.98
614	620.98	624	609.90	634	620.88
615	620.88	625	609.80	635	620.78
616	620.78	626	609.70	636	620.68
617	620.68	627	609.60	637	620.58
618	620.58	628	609.50	638	620.48
619	620.48	629	609.40	639	620.38
620	620.38	630	609.30	640	620.28
621	620.28	631	609.20	641	620.18
622	620.18	632	609.10	642	620.08
623	620.08	633	609.00	643	619.98
624	619.98	634	608.90	644	619.88
625	619.88	635	608.80	645	619.78
626	619.78	636	608.70	646	619.68
627	619.68	637	608.60	647	619.58
628	619.58	638	608.50	648	619.48
629	619.48	639	608.40	649	619.38
630	619.38	640	608.30	650	619.28
631	619.28	641	608.20	651	619.18
632	619.18	642	608.10	652	619.08
633	619.08	643	608.00	653	618.98
634	618.98	644	607.90	654	618.88
635	618.88	645	607.80	655	618.78
636	618.78	646	607.70	656	618.68
637	618.68	647	607.60	657	618.58
638	618.58	648	607.50	658	618.48
639	618.48	649	607.40	659	618.38
640	618.38	650	607.30	660	618.28
641	618.28	651	607.20	661	618.18
642	618.18	652	607.10	662	618.08
643	618.08	653	607.00	663	617.98
644	617.98	654	606.90	664	617.88
645	617.88	655	606.80	665	617.78
646	617.78	656	606.70	666	617.68
647	617.68	657	606.60	667	617.58
648	617.58	658	606.50	668	617.48
649	617.48	659	606.40	669	617.38
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651	617.28	661	606.20	671	617.18
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653	617.08	663	606.00	673	616.98
654	616.98	664	605.90	674	616.88
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659	616.48	669	605.40	679	616.38
660	616.38	670	605.30	680	616.28
661	616.28	671	605.20	681	616.18
662	616.18	672	605.10	682	616.08
663	616.08	673	605.00	683	615.98
664	615.98	674	604.90	684	615.88
665	615.88	675	604.80	685	615.78
666	615.78	676	604.70	686	615.68
667	615.68	677	604.60	687	615.58
668	615.58	678	604.50	688	615.48
669	615.48	679	604.40	689	615.38
670	615.38	680	604.30	690	615.28
671	615.28	681	604.20	691	615.18
672	615.18	682	604.10	692	615.08
673	615.08	683	604.00	693	614.98
674	614.98	684	603.90	694	614.88
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682	614.18	692	603.10	702	614.08
683	614.08	693	603.00	703	613.98
684	613.98	694	602.90	704	613.88
685	613.88	695	602.80	705	613.78
686	613.78	696	602.70	706	613.68
687	613.68	697	602.60	707	613.58
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692	613.18	702	602.10	712	613.08
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697	612.68	707	601.60	717	612.58
698	612.58	708	601.50	718	612.48
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700	612.38	710	601.30	720	612.28
701	612.28	711	601.20	721	612.18
702	612.18	712	601.10	722	612.08
703	612.08	713	601.00	723	611.98
704	611.98	714	600.90	724	611.88
705	611.88	715	600.80	725	611.78
706	611.78	716	600.70	726	611.68
707	611.68	717	600.60	727	611.58
708	611.58	718	600.50	728	611.48
709	611.48	719	600.40	729	611.38
710	611.38	720	600.30	730	611.28
711	611.28	721	600.20	731	611.18
712	611.18	722	600.10	732	611.08
713	611.08	723	600.00	733	610.98
714	610.98	724	599.90	734	610.88
715	610.88	725	599.80	735	610.78
716	610.78	726	599.70	736	610.68
717	610.68	727	599.60	737	610.58
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719	610.48	729	599.40	739	610.38
720	610.38	730	599.30	740	610.28
721	610.28	731	599.20	741	610.18
722	610.18	732	599.10	742	610.08
723	610.08	733	599.00	743	609.98
724	609.98	734	598.90	744	609.88
725	609.88	735	598.80	745	609.78
726	609.78	736	598.70	746	609.68
727	609.68	737	598.60	747	609.58
728	609.58	738	598.50	748	609.48
729	609.48	739	598.40	749	609.38
730	609.38	740	598.30	750	609.28
731	609.28	741	598.20	751	609.18
732	609.18	742	598.10	752	609.08
733	609.08	743	598.00	753	608.98
734	608.98	744	597.90	754	608.88
735	608.88	745	597.80	755	608.78
736	608.78	746	597.70	756	608.68
737	608.68	747	597.60	757	608.58
738	608.58	748	597.50	758	608.48
739	608.48	749	597.40	759	608.38
740	608.38	750	597.30	760	608.28
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742	608.18	752	597.10	762	608.08
743	608.08	753	597.00	763	607.98
744	607.98	754	596.90	764	607.88
745	607.88	755	596.80	765	607.78
746	607.78	756	596.70	766	607.68
747	607.68	757	596.60	767	607.58
748	607.58	758	596.50	768	607.48
749	607.48	759	596.40	769	607.38
750	607.38	760	596.30	770	607.28
751	607.28	761	596.20	771	607.18
752	607.18	762	596.10	772	607.08
753	607.08	763	596.00	773	606.98
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760	606.38	770	595.30	780	606.28
761	606.28	771	595.20	781	606.18
762	606.18	772	595.10	782	606.08
763	606.08	773	595.00	783	605.98
764	605.98	774	594.90	784	605.88
765	605.88	775	594.80	785	605.78
766	605.78	776	594.70	786	605.68
767	605.68	777	594.60	787	605.58
768	605.58	778	594.50	788	605.48
769	605.48	779	594.40	789	605.38
770	605.38	780	594.30	790	605.28
771	605.28	781	594.20	791	605.18
772	605.18	782	594.10	792	605.08
773	605.08	783	594.00	793	604.98
774	604.98	784	593.90	794	604.88
775	604.88	785	593.80	795	604.78
776	604.78	786	593.70	796	604.68
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779	604.48	789	593.40	799	604.38
780	604.38	790	593.30	800	604.28
781	604.28	791	593.20	801	604.18
782	604.18	792	593.10	802	604.08
783	604.08	793	593.00	803	603.98
784	603.98	794	592.90	804	603.88
785	603.88	795	592.80	805	603.78
786	603.78	796	592.70	806	603.68
787	603.68	797	592.60	807	603.58
788	603.58	798	592.50	808	603.48
789	603.48	799	592.40	809	603.38
790	603.38	800	592.30	810	

Comissão Permanente de Licitação
 963
 Folha
 Assinatura

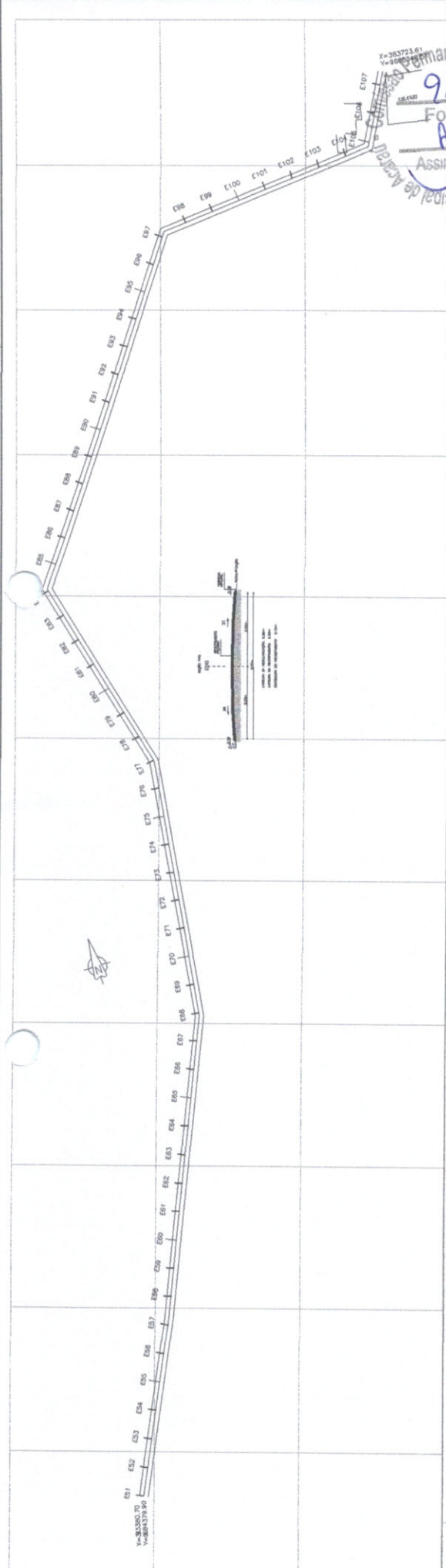


COTA PROJETO	COTA TERRENO	DISTÂNCIA	ALTURA
13,400	12,859	1000	0,541
13,400	12,837	980	0,563
13,400	12,860	960	0,454
13,400	12,915	940	0,485
13,400	13,003	920	0,397
13,400	12,944	900	0,456
13,400	12,946	880	0,454
13,400	12,987	860	0,413
13,400	12,917	840	0,483
13,400	13,031	820	0,369
13,400	12,975	800	0,425
13,400	13,015	780	0,385
13,400	13,040	760	0,360
13,400	12,946	740	0,454
13,400	13,108	720	0,292
13,385	13,385	700	0,00
13,333	13,333	680	0,00
13,425	13,425	660	0,00
13,297	13,297	640	0,00
13,336	13,336	620	0,00
13,376	13,376	600	0,00
13,407	13,407	580	0,00
13,433	13,433	560	0,00
13,583	13,583	540	0,00
13,781	13,781	520	0,00
13,684	13,684	500	0,00
13,707	13,707	480	0,00
13,794	13,794	460	0,00
13,881	13,881	440	0,00
14,034	14,034	420	0,00
14,169	14,169	400	0,00
14,318	14,318	380	0,00
14,431	14,431	360	0,00
14,473	14,473	340	0,00
14,677	14,677	320	0,00
14,749	14,749	300	0,00
14,982	14,982	280	0,00
15,133	15,133	260	0,00
15,326	15,326	240	0,00
15,508	15,508	220	0,00
15,739	15,739	200	0,00
15,915	15,915	180	0,00
16,189	16,189	160	0,00
16,428	16,428	140	0,00
16,679	16,679	120	0,00
17,111	17,111	100	0,00
17,633	17,633	80	0,00
18,325	18,325	60	0,00
19,208	19,208	40	0,00
20,475	20,475	20	0,00
23,000	23,000	0	0,00

LEGENDA
 — TERRENO NATURAL

Igor
 Igor Márcilio Rebouças Melo
 Engenheiro Civil
 RNP 061045228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ACARAÚ
 TRECHO DE LIGAÇÃO
 CAJASSU - ILHA DOS COQUEIROS
 EXTENSÃO: 2,1KM
 ESTRADA ILHA DOS COQUEIROS - PLANTA E PERFIL
 EST. 040,00 à EST. 390,00



Prefeitura Municipal de Aracatuba
 Comissão Permanente de Licitação nº 964
 Folha
 Assinatura

ESTACIA	DISTÂNCIA	COTA TERRENO	COTA PROJETO	ALTURA
1020	12,809	13,400	13,400	0,491
1019	12,800	13,400	13,400	0,500
1018	12,805	13,400	13,400	0,595
1017	12,822	13,400	13,400	0,478
1016	12,981	13,400	13,400	0,419
1015	12,992	13,400	13,400	0,408
1014	13,000	13,400	13,400	0,579
1013	12,902	13,400	13,400	0,498
1012	12,826	13,400	13,400	0,574
1011	12,904	13,400	13,400	0,498
1010	12,851	13,400	13,400	0,549
1009	12,799	13,400	13,400	0,501
1008	12,891	13,400	13,400	0,508
1007	12,961	13,400	13,400	0,439
1006	14,400	13,400	13,400	0,441
1005	14,400	12,862	13,400	0,538
1004	15,000	13,182	13,400	0,218
1003	15,200	13,418	13,400	-0,016
1002	15,400	13,498	13,400	0,000
1001	15,645	13,845	13,400	0,000
1000	15,842	13,842	13,400	0,000
999	16,000	14,150	13,400	0,000
998	16,200	14,350	13,400	0,000
997	16,400	14,085	13,400	0,000
996	16,600	13,799	13,400	0,000
995	16,800	13,533	13,400	0,000
994	17,000	13,310	13,400	0,000
993	17,200	13,259	13,400	0,000
992	17,400	13,185	13,400	0,000
991	17,600	13,394	13,400	0,000
990	17,800	13,339	13,400	0,000
989	18,000	13,439	13,400	0,000
988	18,200	13,491	13,400	0,000
987	18,400	13,467	13,400	0,000
986	18,600	13,439	13,400	0,000
985	18,800	13,500	13,400	0,000
984	19,000	13,517	13,400	0,000
983	19,200	13,377	13,400	0,000
982	19,400	13,270	13,400	0,000
981	19,600	13,327	13,400	0,000
980	19,800	13,411	13,400	0,000
979	20,000	13,284	13,400	0,000
978	20,200	13,399	13,400	0,000
977	20,400	13,394	13,400	0,000
976	20,600	13,271	13,400	0,000
975	20,800	13,410	13,400	0,000
974	21,000	13,418	13,400	0,000
973	21,200	13,430	13,400	0,000
972	21,400	13,430	13,400	0,000
971	21,600	13,430	13,400	0,000

LEGENDA
 — TERRENO NATURAL

Igor Marçilio Rebouças Melo
 Engenheiro Civil
 RNP 0610452228-2
 CREA 48684-D

PREFEITURA MUNICIPAL DE ARACATUBA
 TRECHO DE LIGAÇÃO
 CAUASSU - ILHA DOS COQUEIROS
 EXTENSÃO: 2,54KM
 ESTRADA ILHA DOS COQUEIROS - PLANTA E PERFIL
 EST. 5140,00 a EST. 107,40/00

ANTONIO CARLOS ESTIMADO/2010 02/00

