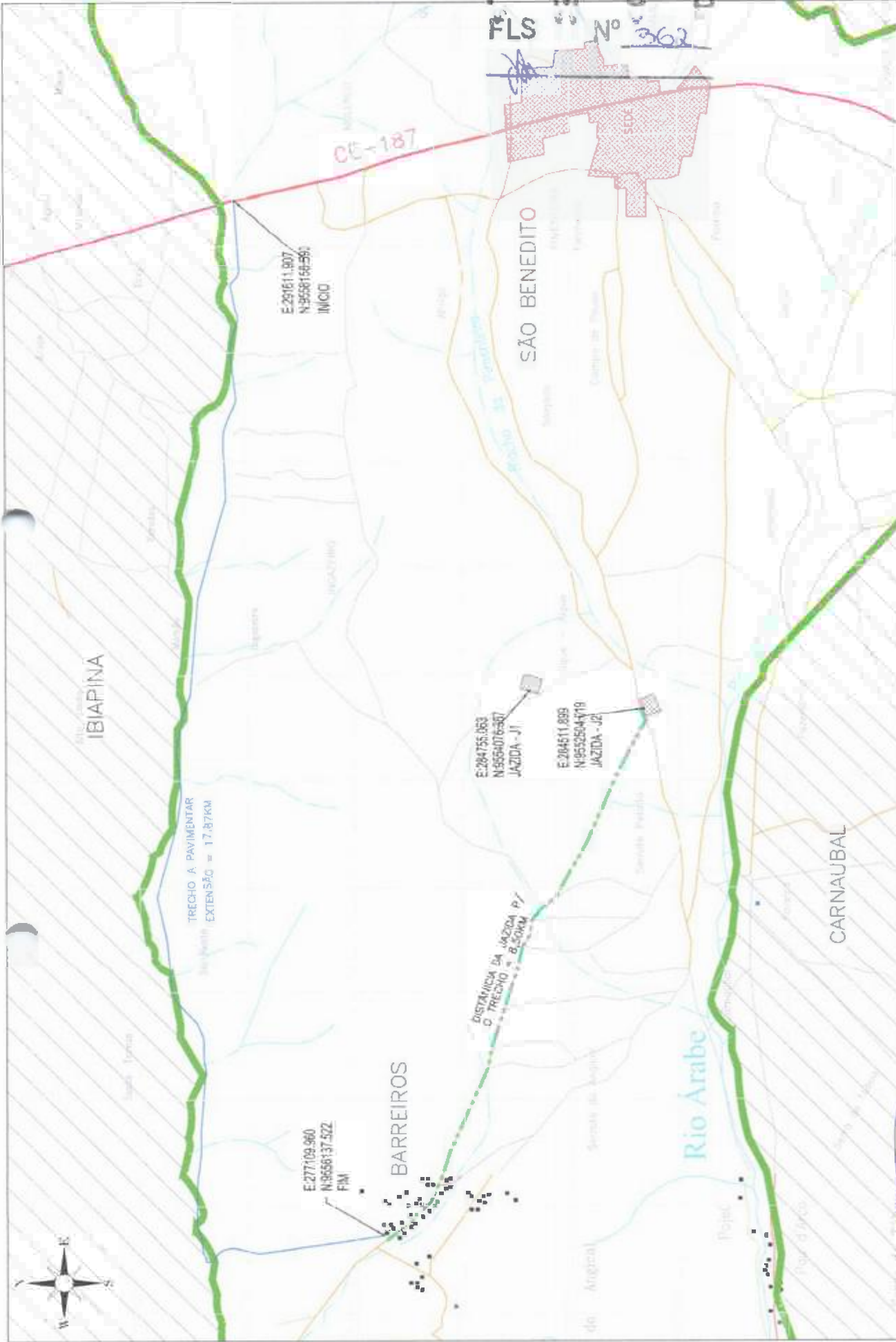





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FLS " " Nº 361
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5.- PEÇAS GRÁFICAS

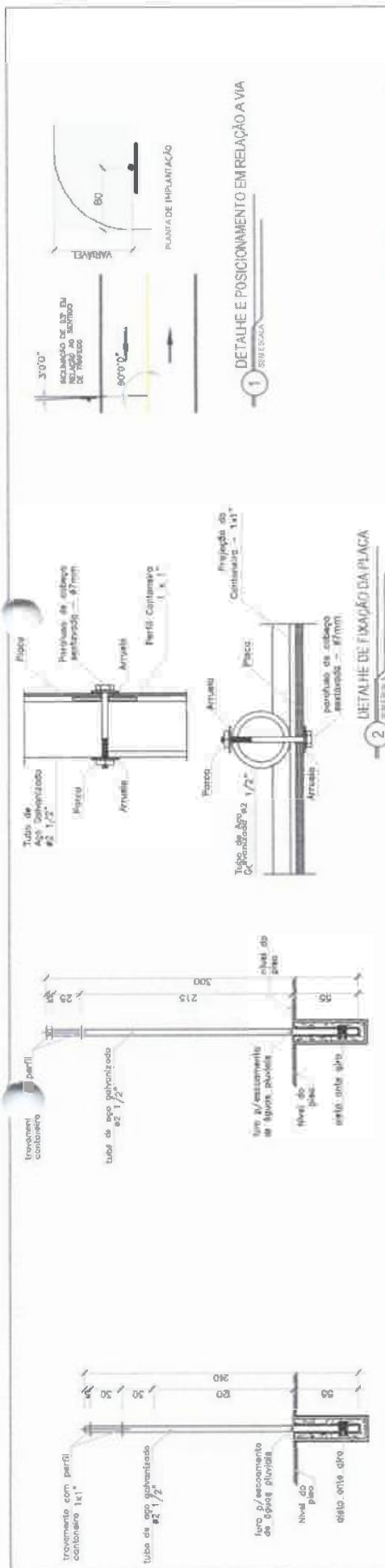
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JOTA BRUNO FERRETO S
Arquiteto e Engenheiro
Eng. Civil - CREA/CE



FLS. N° 362

		PLANILHA 1 / 1 ESCALA 1:500000
PREFEITURA MUNICIPAL DE SÃO BENEDITO PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE-187 AO DISTRITO DE BARREIROS PLANTA GERAL		
PROJETADELA	ENG. CIVIL AFFRIGER MOURA TORQUATO - OMA 117000222 AV. ADOLFO AMARAL, 811, JARDIM BOA VISTA	
APROVADO		


 Affrigger Moura Torquato
 Eng. Civil - OMA 117000222



David Rosalva Autran
 Engenheiro Civil
 CREA 14884-D-CE
 00011-0001

JOSÉ CARLOS PROJETO
 Arquitetura Topografia
 Eng. Car. CASARIMDO-CE



1 INCLINAÇÃO HORIZONTAL

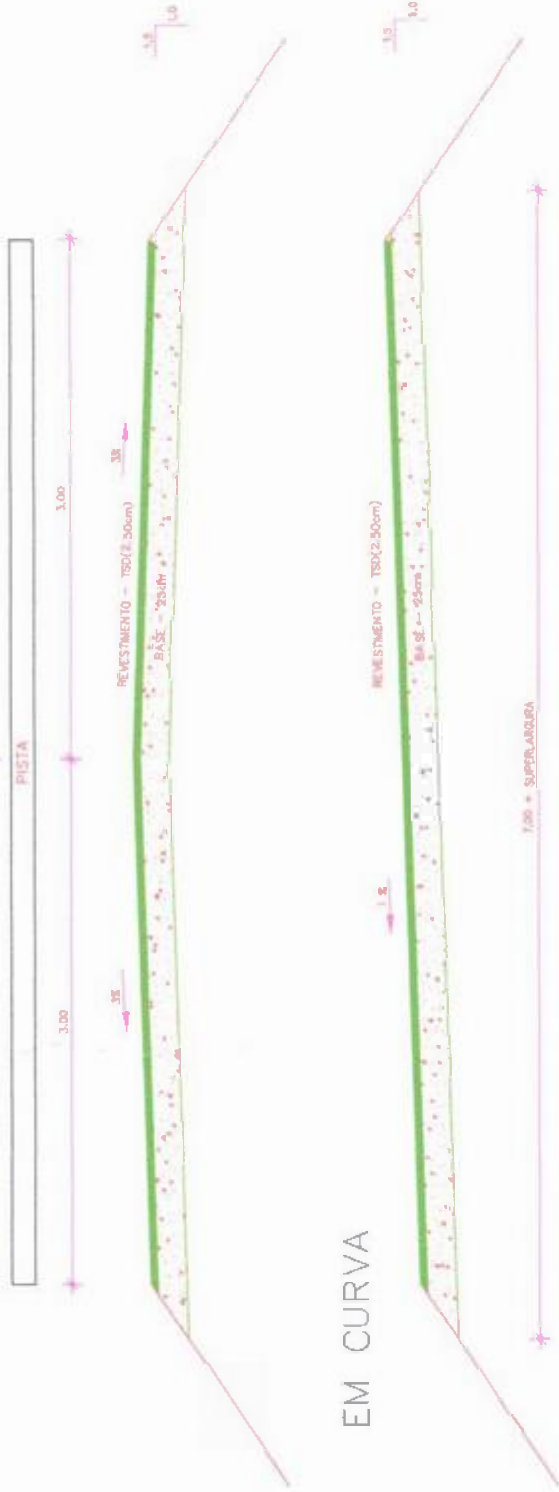
PREFEITURA MUNICIPAL DE SÃO BENEDITO
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE-167 AO DISTRITO DE BARREIROS

PROJETO DE SINALIZAÇÃO

PROJETISTA: ENG. CIV. ARTUR GONCALVES TORQUATO - CREA 33.002/CE
 ARQUIVO: PAV. ASP. MAR 1988, U. 11, S/N. 02 SVS

PRIMEIRA 1 / 1
 ESCALA INDICADA

EM TANGENTE



SEQÜÊNCIA EXECUTIVA

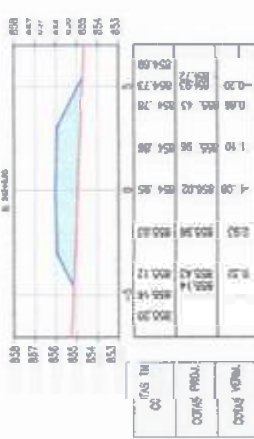
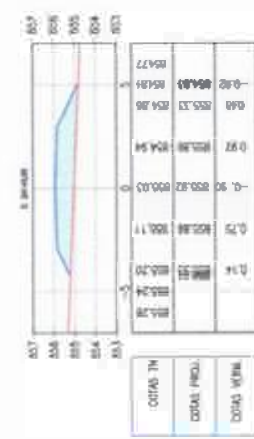
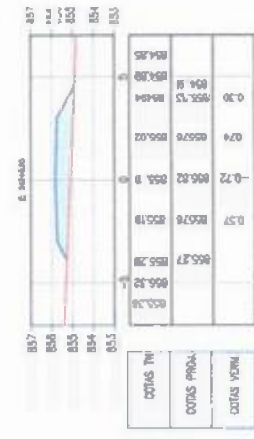
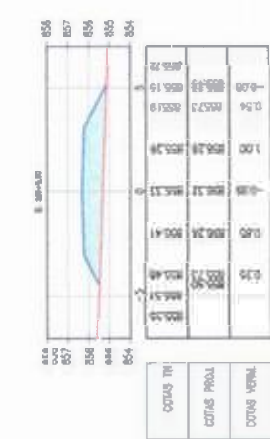
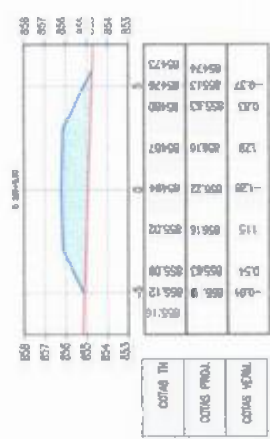
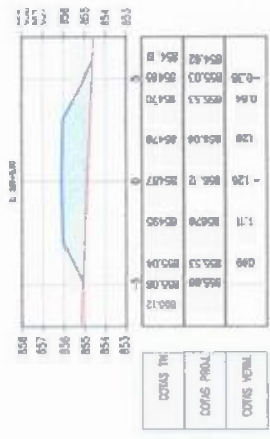
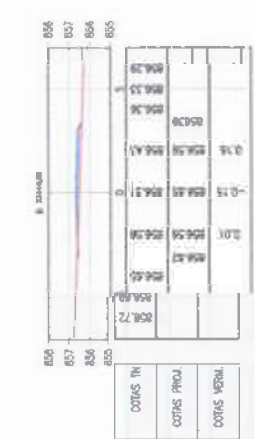
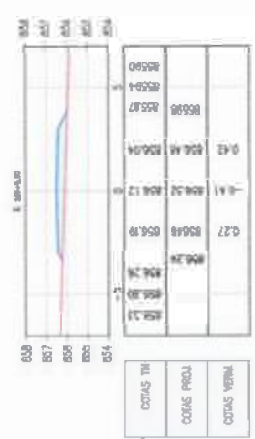
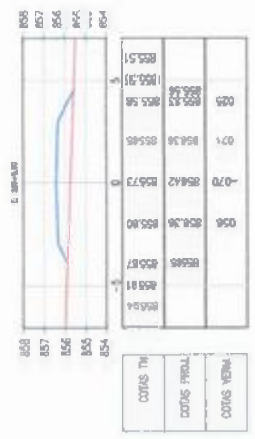
- 1 - EXECUÇÃO DA REGULAZIÇÃO DO SUBLEITO (UMP) OR ELIMINAR 20cm DA IMPERMEABILIZIÇÃO
- 2 - EXECUÇÃO DA BASE (P&M) COM SOLUS 23cm JAZIDA
- 3 - APRIMORAZIÃO DA BASE
- 4 - EXECUÇÃO DO REVESTIMENTO TSD NA LARGURA DA PISTA-ACOSTAMENTO

Direção de Engenharia e Planejamento
 Engenharia Civil
 CREA 140887/CE
 [Assinatura]



FLS Nº 364
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PREFEITURA MUNICIPAL DE SÃO BENEDITO PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE-187 AO DISTRITO DE BARREIROS		PRANCHAS 1 / 1
PROJETADE ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 63.900/CE		ESCALA
ARQUIVO PAV ASF BAR 88EN 01 01_8 TIPO_00 DWG		INDICADA
SEÇÃO TIPO		



PREFEITURA MUNICIPAL DE SÃO BENEITO, CE
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS.
SEÇÕES TRANSVERSAIS


PROJETO: ENG. CIVIL, ARQUITETA TEREZINHA TAVARES VIEIRA
AUTOR: WAGNER JARDIM DE SA, MSc, RUPROD

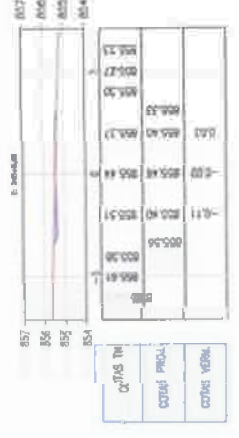
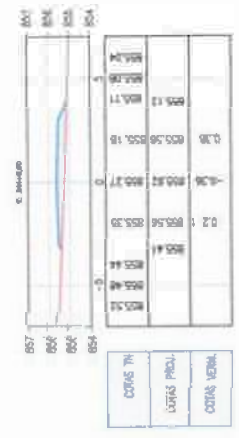
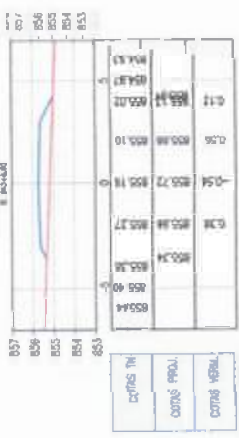


JOIA BARROS PROJETOS
Atua em: Engenharia, Arquitetura, Topografia, Geodésia, Geomorfologia, Geotécnica, Hidrologia, Hidráulica, Saneamento, Meio Ambiente, Planejamento Urbano, Paisagismo, Urbanismo, Obras de Infraestrutura, etc.

Divisão de Engenharia Civil

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David da Silva
 Coordenador de Obras
 Prefeitura Municipal de São Benedito/CE

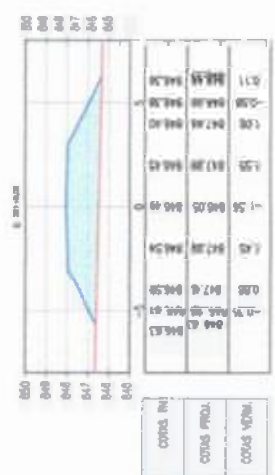
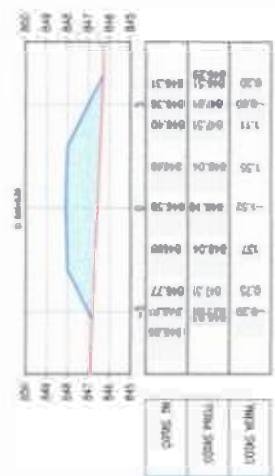
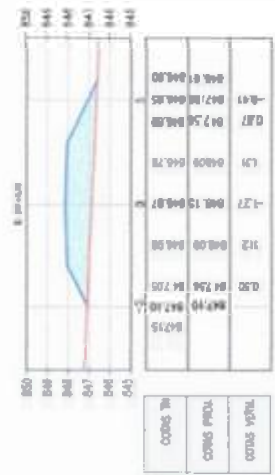
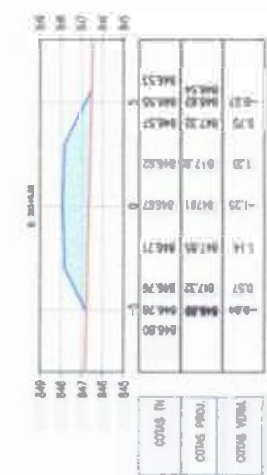
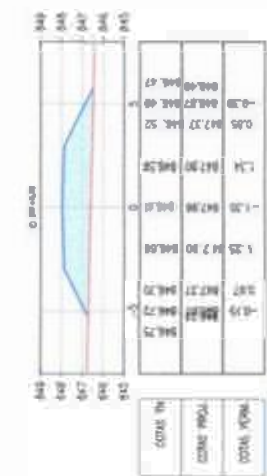
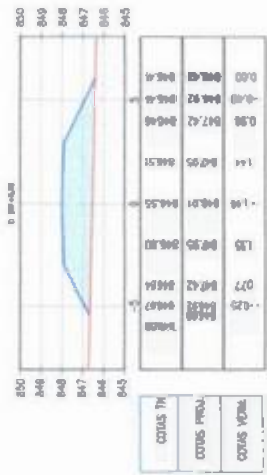
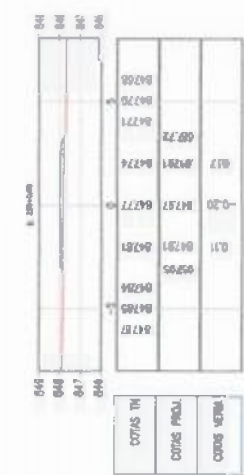
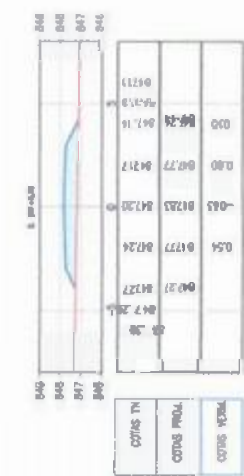
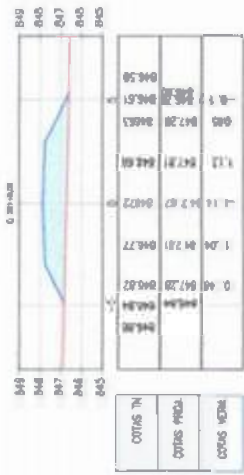



JOTA BARROS CONSULTORIA
 Av. Almeida Lima, 100
 Tel: 33-3324-0260-CE

PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS.
 SEÇÕES TRANSVERSAIS

PROJETA: ENG. CIVIL, REGISTRO Nº 108.811 - CREA/CE
 ARQUIVO: HWY/ARQ. SÁBIO DA SILVA, SEC. 01/10/10

BRANCO: 2 / 14
 ESCALA: 1/250



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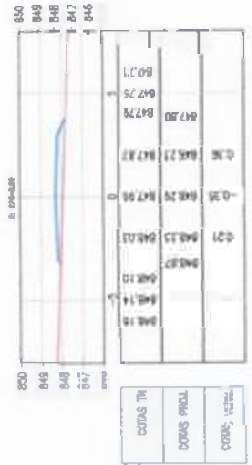
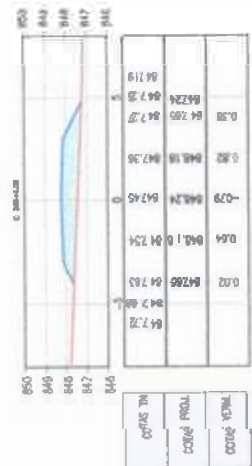
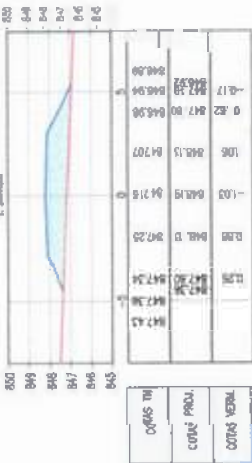
PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE.
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
 SEÇÕES TRANSVERSAIS
 PROJETO: ENG. CIVIL ANTONIO MOREIRA TORQUATO - CRFA 33883/CE
 EXECUÇÃO: ENG. CIVIL ANTONIO MOREIRA TORQUATO - CRFA 33883/CE



JOTA BARROS PROJETOS
 Av. Af. Moreira Torquato
 850-040-0000-00

Deputado Estadual
 ANTONIO MOREIRA TORQUATO
 CRFA 33883/CE

PÁGINA 3 / 14
 ESCALA: 1/250



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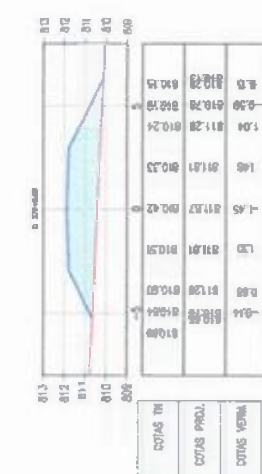
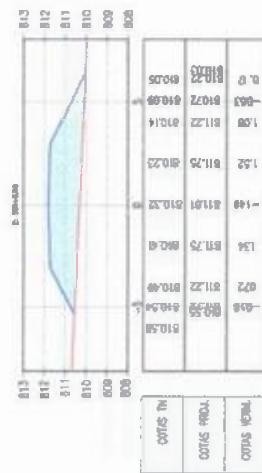
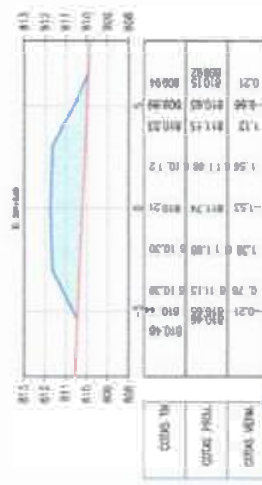
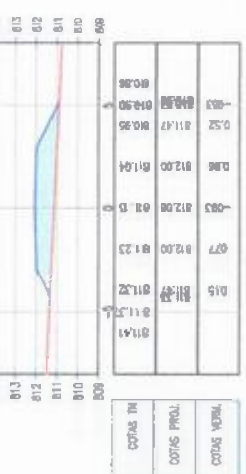
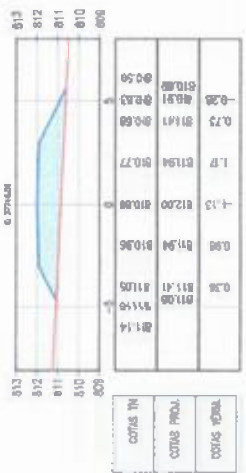
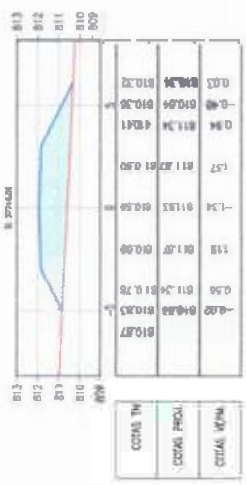
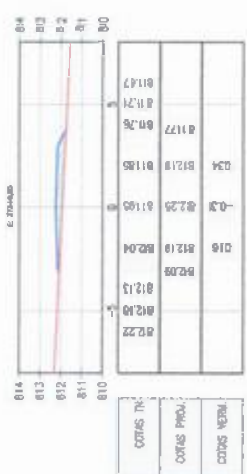
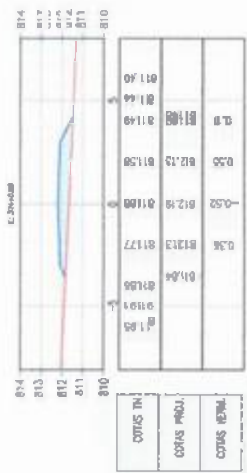
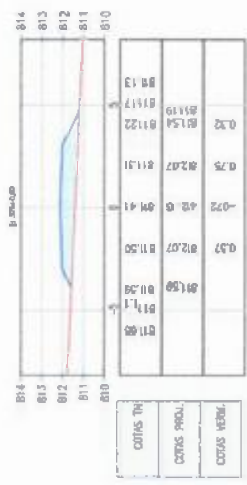
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JOTA BARROS
 P. O. Box 1111, R. C. 1111, 01010-000



PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 167 AO DISTRITO DE BARREIROS
SEÇÕES TRANSVERSAIS

EMBRALHA 4 / 14
 ESCALA 1/250


 T.S. M S B
 N° 369

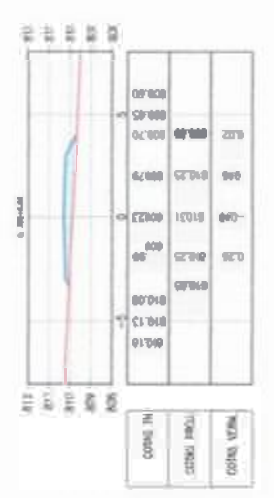
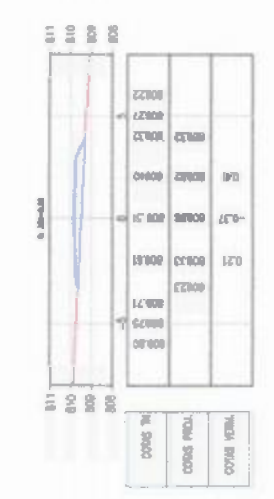
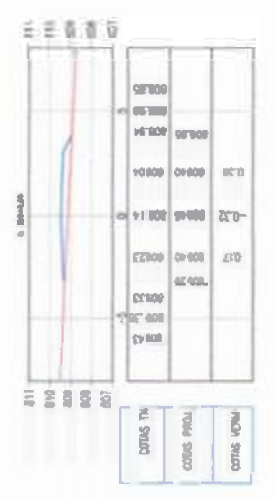
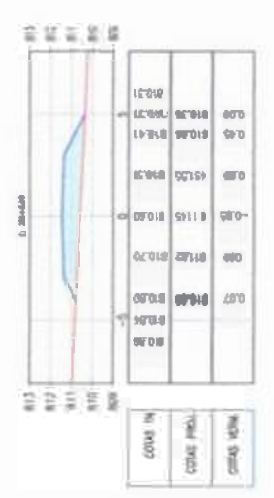
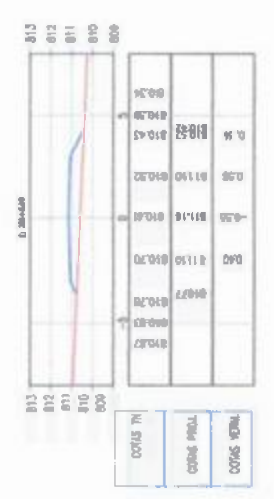
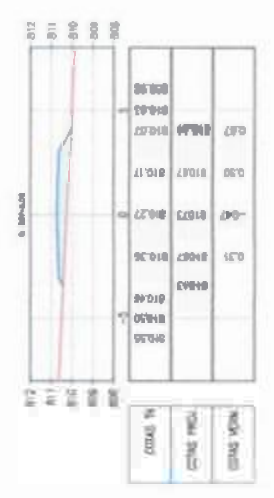
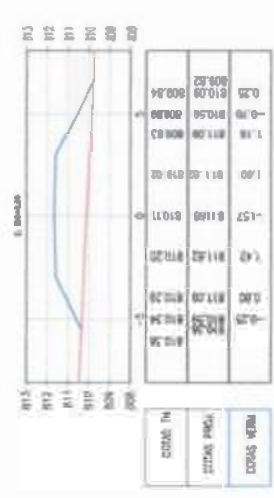
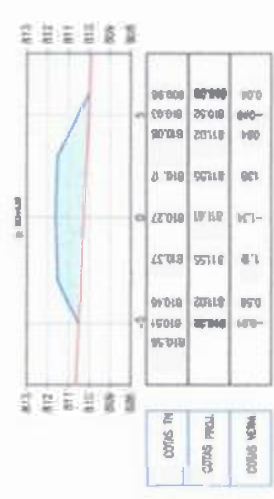
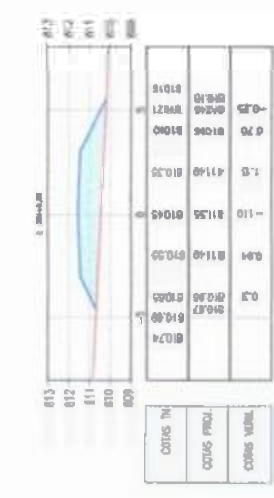


David de Sousa Furtado
 Engenharia Civil




JOTA BARRUS PROJETOS
 Av. das Américas, 1000 - Jd. São José - São Paulo - SP
 Tel: (11) 3033-0000

P **M** **S** **B**
FLS **Nº** **370**



PREFEITURA MUNICIPAL DE SÃO BENEDITO/CE
PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
SEÇÕES TRANSVERSAIS

PROJETISTA: ENG. CARLOS ALBERTO FERREIRA FERREIRA - CREA 100.000/00-0
 ALUNO: JAYRSON DA SILVA - RA 14.364.881/0001

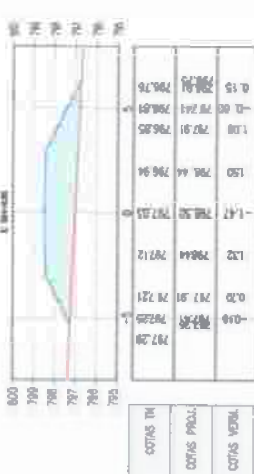
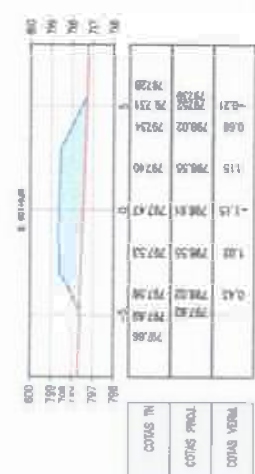
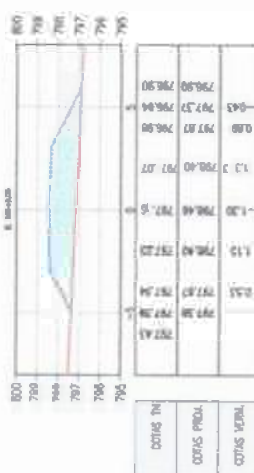
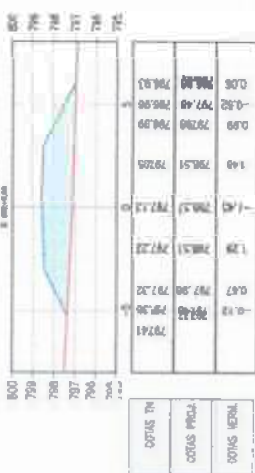
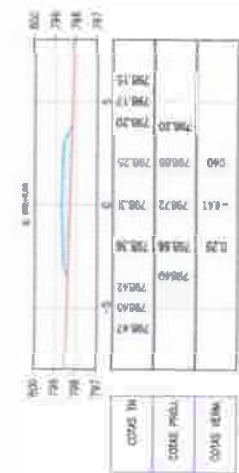
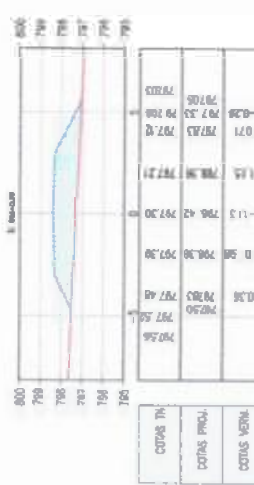
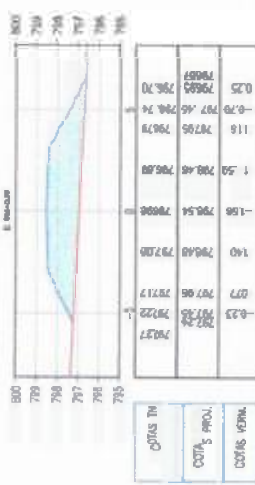
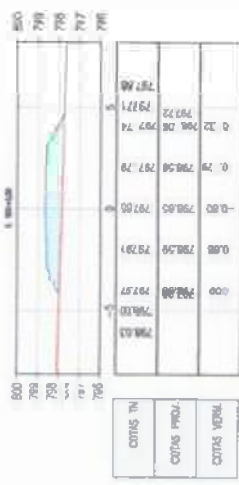


JOTA BARROS
ENGENHARIA CIVIL
 Rua da Indústria, 100 - Jd. São José - São Benedito - CE

David de Souza Farias
 Engenheiro Civil
 CREA 100.000/00-0

PLANHA 6 / 14
 ESCALA 1/250

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PREFEITURA MUNICIPAL DE SÃO BENEDITO DO CE
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A-CE 187 AO DISTRITO DE BARREIROS

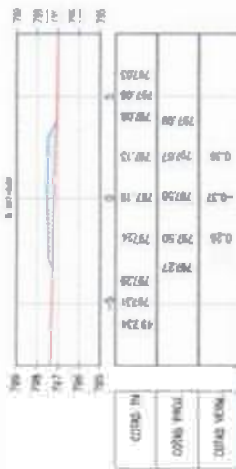
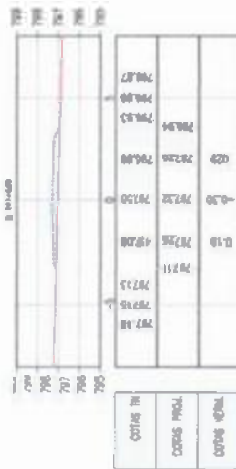
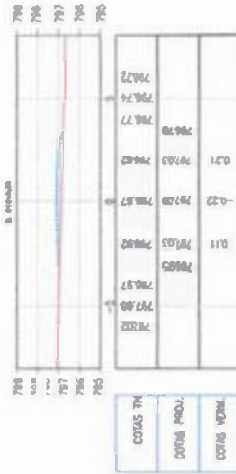
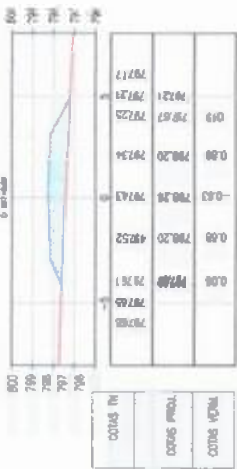
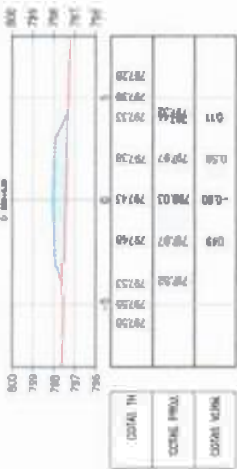
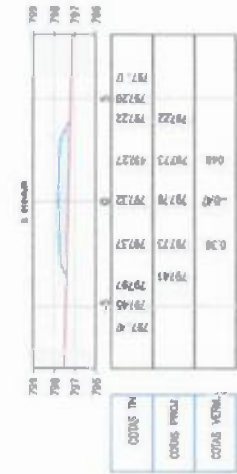
PROJETO: RPO CIVIL, ARQUITETURA, MECÂNICA, ELÉTRICA, SANEAMENTO
AUTOR: FAYANZ BARROS JUNIOR, JOTA BARROS



JOTA BARROS PROJETOS
Arquiteta, Engenheira, Topógrafa
Eng. 04-000-0000-00

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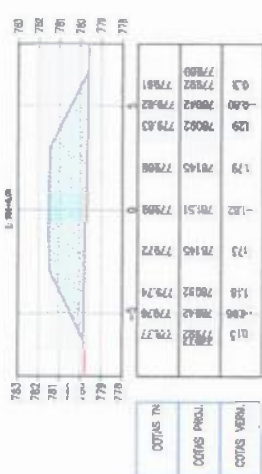
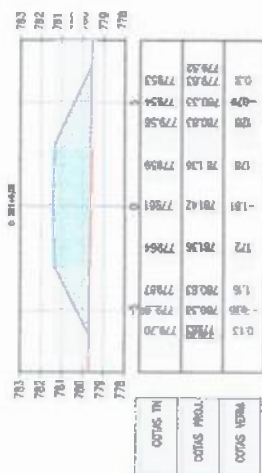
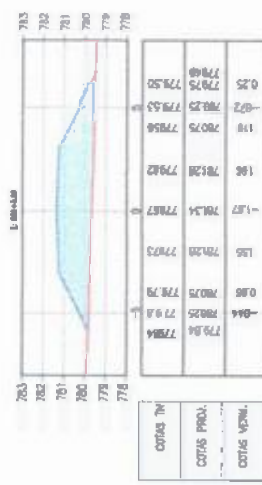
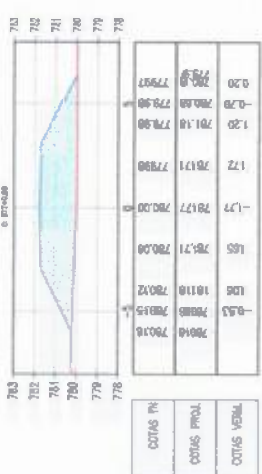
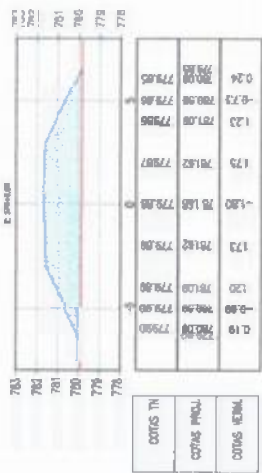
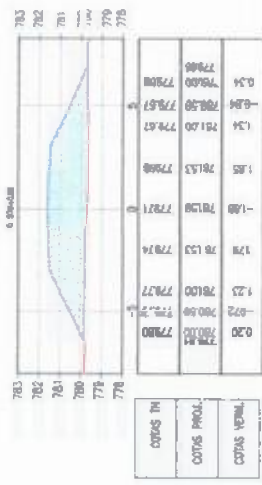
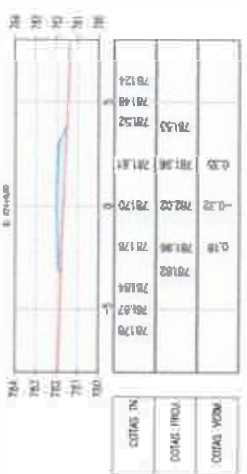
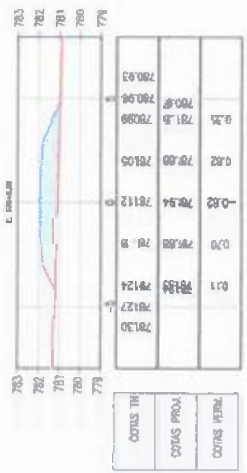
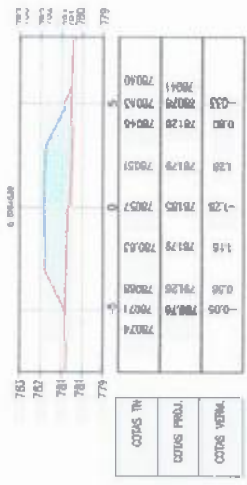
PRANCHA 8 / 14
ESCALA 1/250

PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE.
PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE-187 AO DISTRITO DE BARREIROS DE BARREIROS
SEÇÕES TRANSVERSAIS
EMP. CIVIL-ARQUITETURA E URBANISMO - CREA-15/1800-01
FAVARE, ROBERTO DE ALMEIDA, ENG. DE ENGENHARIA



JOTA BARROS PROJETA
Av. José Martins Tompkins
s/n - 041-000-000-00

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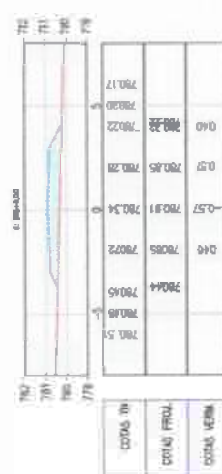
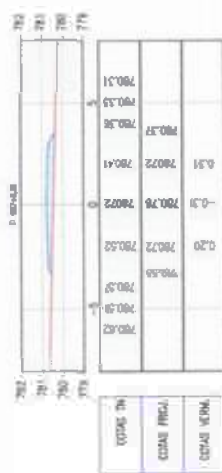
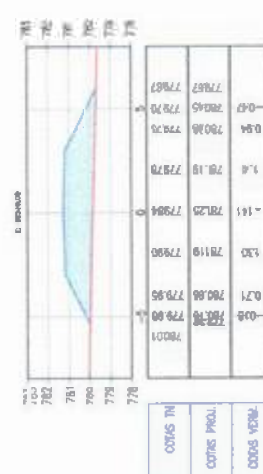
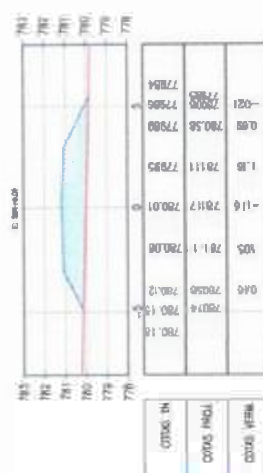
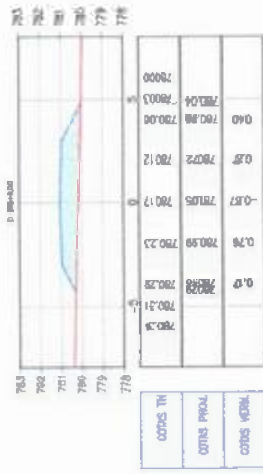


PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE-187 AO DISTRITO DE BARREIROS.
 SEÇÕES TRANSVERSAIS
 PROJETO: ENO CHIL ANTONIO BERNARDO TORQUATO - CRHA-03.000-CE
 ARQUITETO: RAYSSA MARIN DE JESUS JUNIOR



JOTA BARROS PROJETOS
 Av. Araceli Torquato
 Ed. Gal. Cel. 2200-4E

David de Sousa Fernandes
 CR: 1000000000
 RUA: 1000000000



PRANCHA
10 / 14
ESCALA
1/250

PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS.

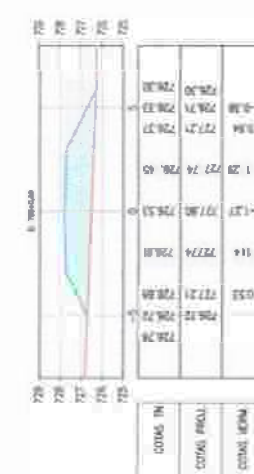
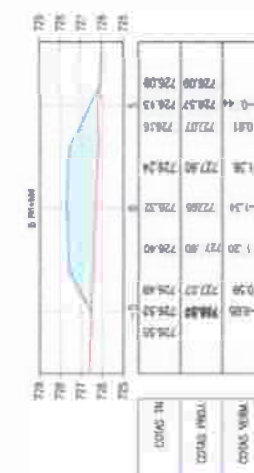
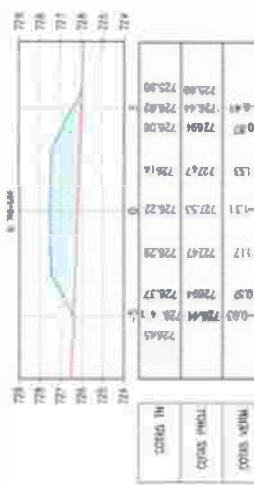
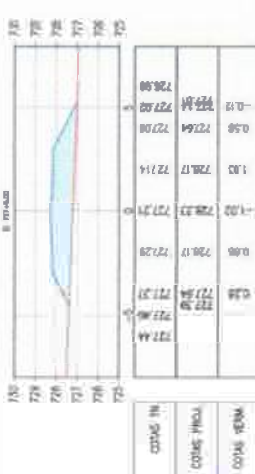
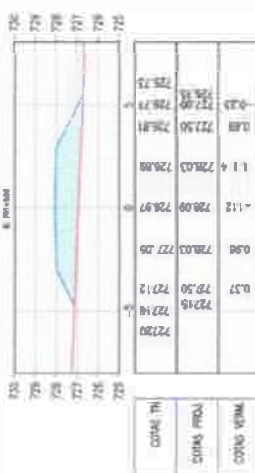
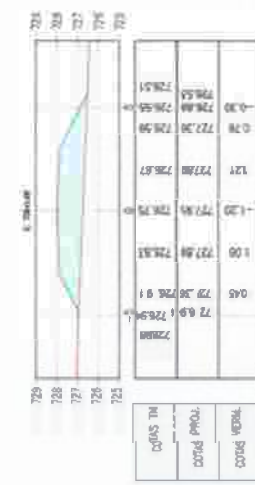
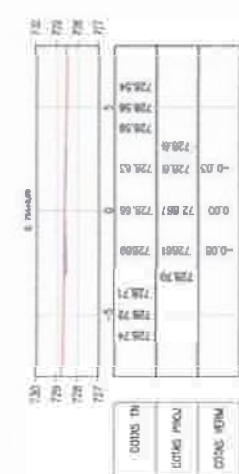
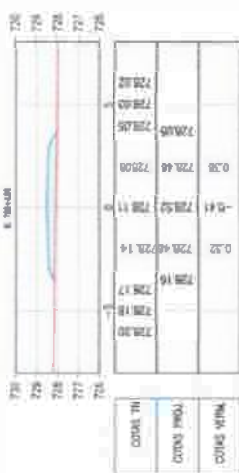
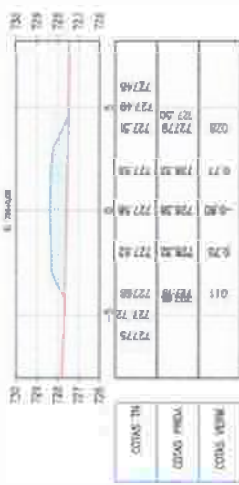
PROJETO EM: EMB. CIVIL, MEDIDA MODERNA TORQUATO, DRENAÇÃO E SIFONAGEM
AUTOR: MAYNIF JAMBEI (01/1414, 020, 30/04/01)



JOTA BARROS PROJETOS
Av. Arapuaia Torquato
54 04-04444444-CE

Projeto de Engenharia Civil
Especialidade: Saneamento Básico
MAYNIF JAMBEI

FLS Nº 375

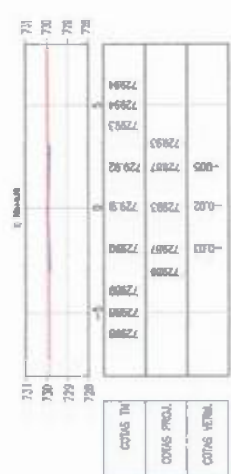
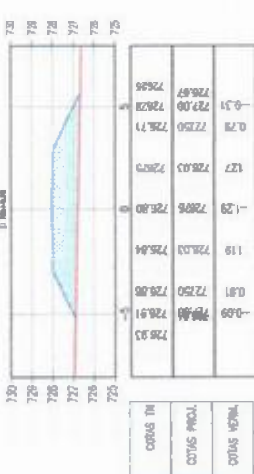
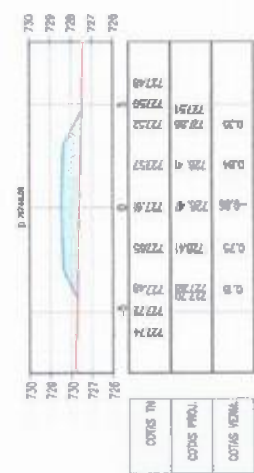
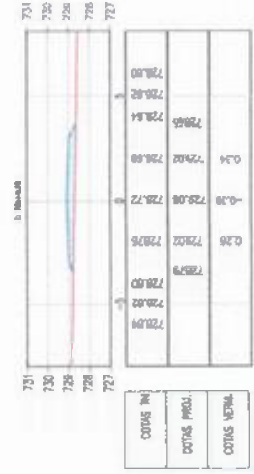
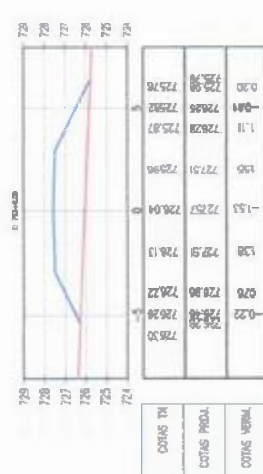
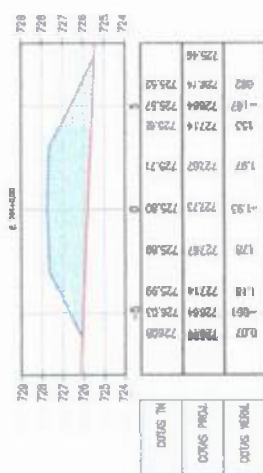
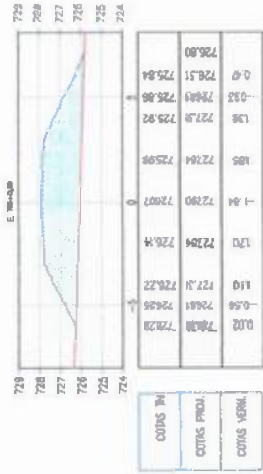


PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE.
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS:
SEÇÕES TRANSVERSAIS
PROJETO: ENG. CIVIL ANTONIO GONCALVES TORQUATO - CPA 13.000-CE
AUTOR: ENG. ABR. JAMILSON SILVA DE SAZ, JR. CIVIS



JOTA BARROS PROJETO
Ativ. Urbaniz. Torquato
R. da S. 111 - 11111-111

Antonio Fernandes
CNPJ: 06.907.000/0001
CPF: 000.000.000-00
R. 000.000.000-00

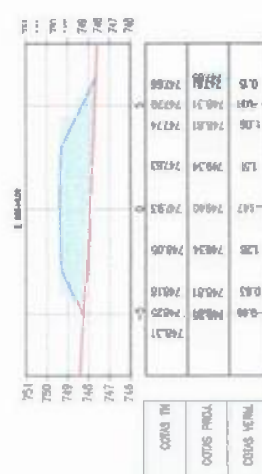
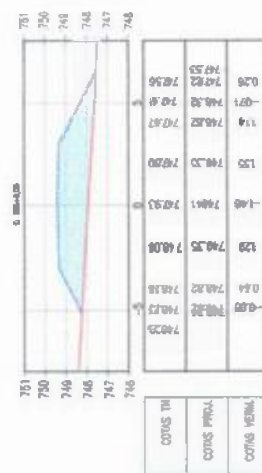
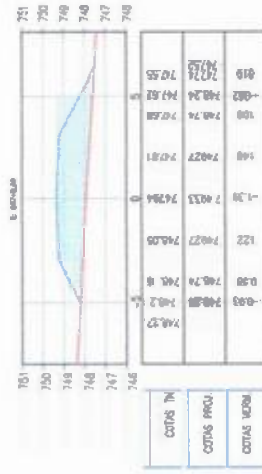
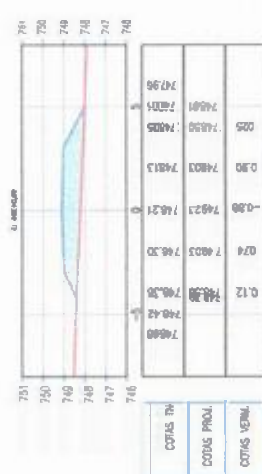
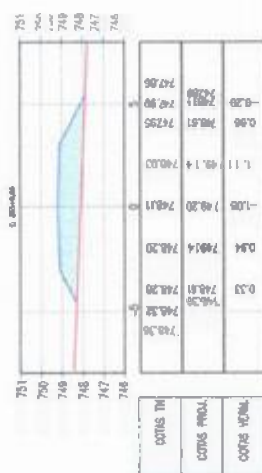
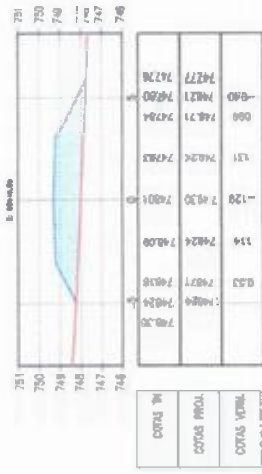
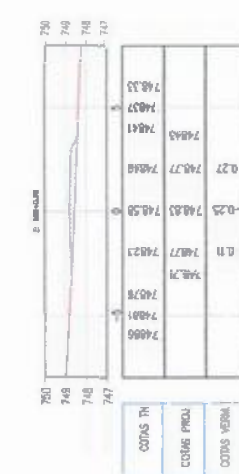
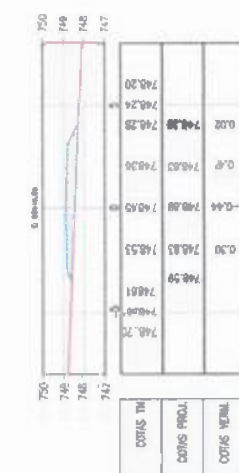
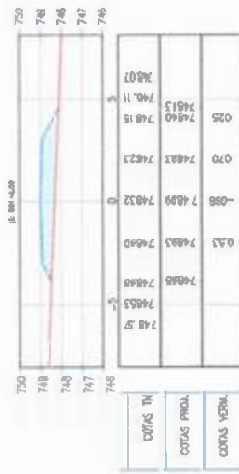


PRANCHA: 12 / 14
 ESCALA: 1/250
 PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE.
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE-187 AO DISTRITO DE BARREIROS
 SEÇÕES TRANSVERSAIS
 PROJETA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 53.900-CE
 APROVA: PAVASF_BARR_05_1114_1_SEC_R0200



JOYTA BARREIROS CONSULTORIA E PROJETOS
 R. José Francisco Torquato
 Log. 04 - CAJATIARA - CE

Eng. Arthuro Moreira Torquato
 CREA 53.900-CE
 332237



PRANCHA
13 / 14
ESCALA
1/250

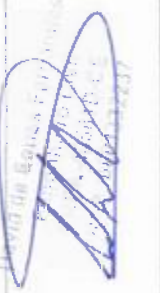
PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS

PROJETISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - CREA 13.900/02E
ARQUIVO: PAVABE_BARR 98 0114 14_SEC RD.DWG

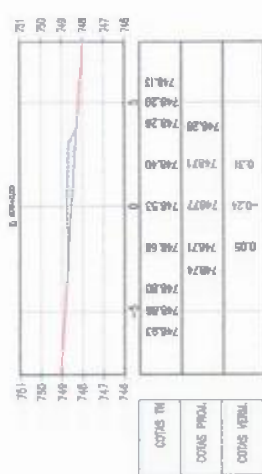
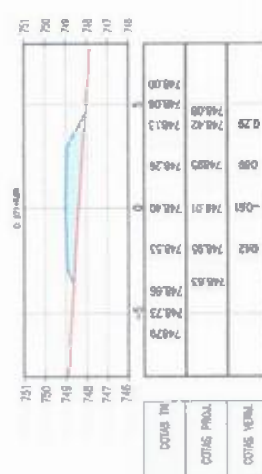
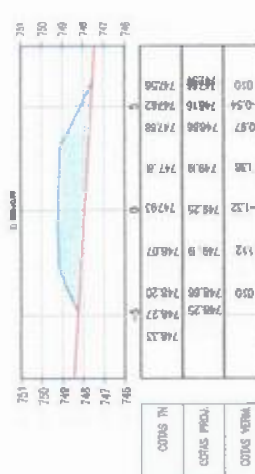
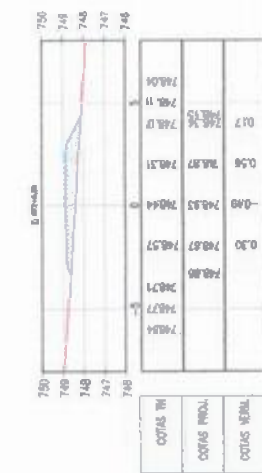
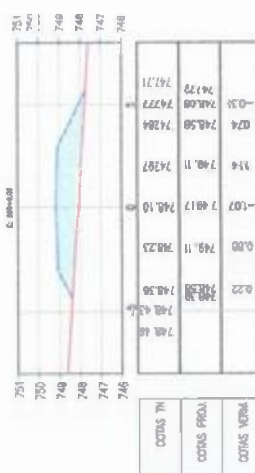
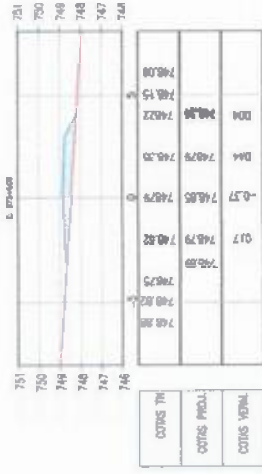
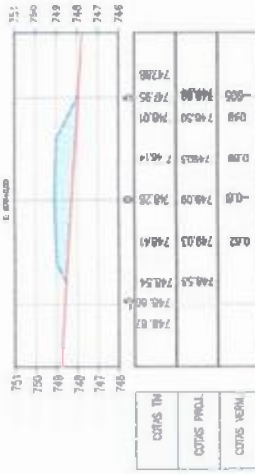
SEÇÕES TRANSVERSAIS



2017 - JOYÁ PROJETOS
Arquitetura, Engenharia e Urbanismo - LTDA



P. P. VI S B
 FLS Nº 338

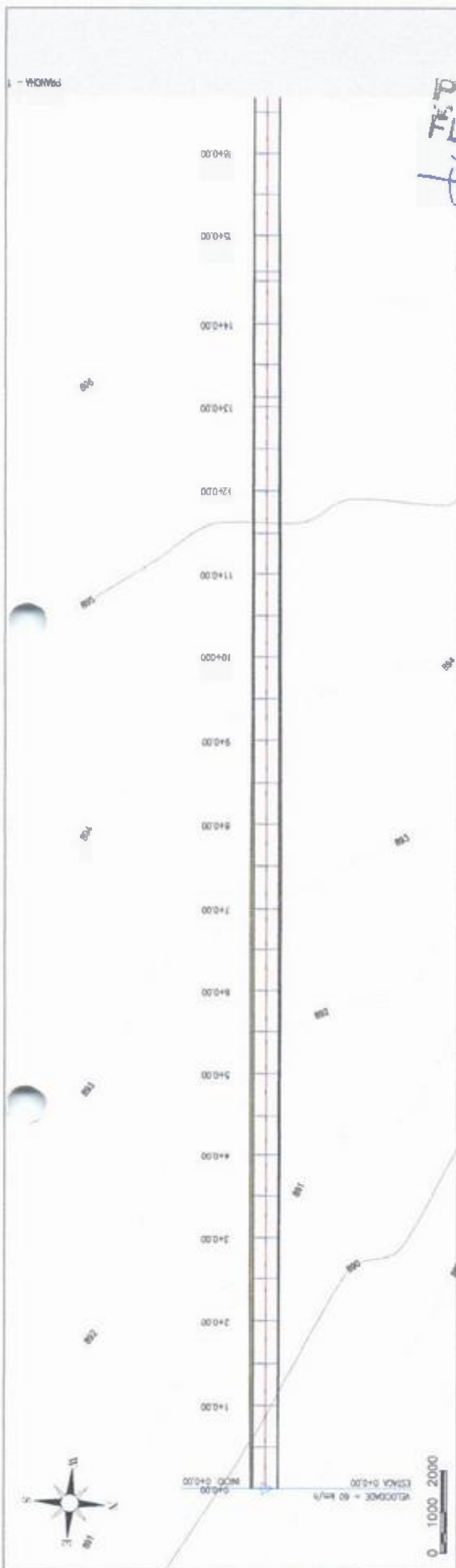


PRANCHA 14 / 14
 ESCALA 1/250
 PREFEITURA MUNICIPAL DE SÃO BENEDITO / CE
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS.
 SEÇÕES TRANSVERSAIS
 PROJETA: ENG. CIBIL ARTHUR MOREIRA TORQUATO - CREA(S) 8908-CE
 ARQUIVO: PAV/ASF/BAER/88/0114/14_14_SEC_ROD.WG



JOTA & BARRIOS PRODUÇÃO
 Arquitetura, Engenharia e Urbanismo
 Rua da Liberdade, 100 - Jd. São José - Fortaleza - CE





Estação	Alt. (m)	Alt. (m)
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0+10	98,517	98,517
0+20	98,517	98,517
0+30	98,517	98,517
0+40	98,517	98,517
0+50	98,517	98,517
0+60	98,517	98,517
0+70	98,517	98,517
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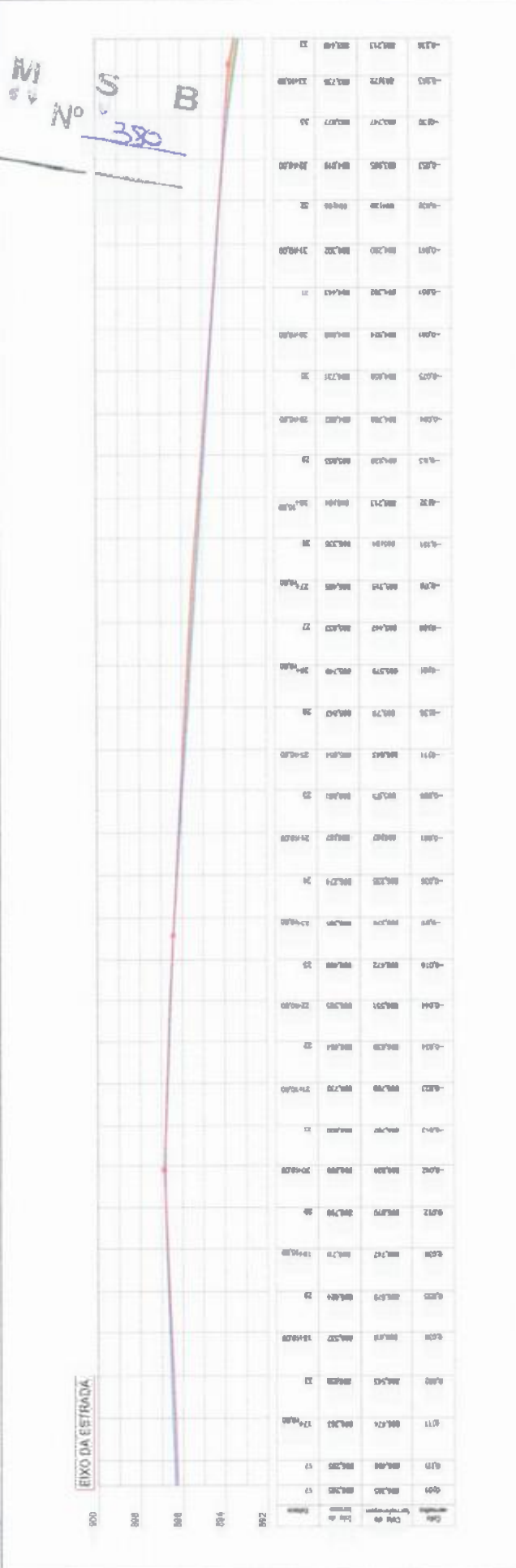
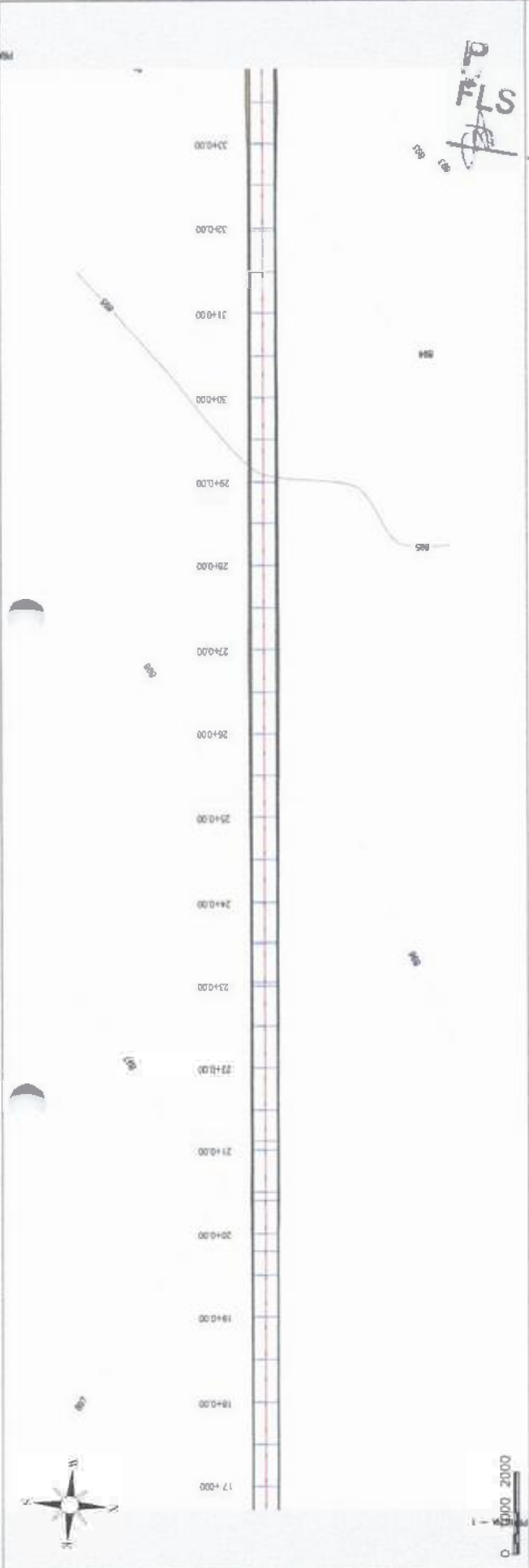
PREFEITURA MUNICIPAL DE SÃO BENEDITO
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 167 AO DISTRITO DE BARREIROS
 ESTAQUEAMENTO E PERFIL LONGITUDINAL

1 / 52
 ESCALA: 1/1000



JOTA BARREIROS
PROJETOS





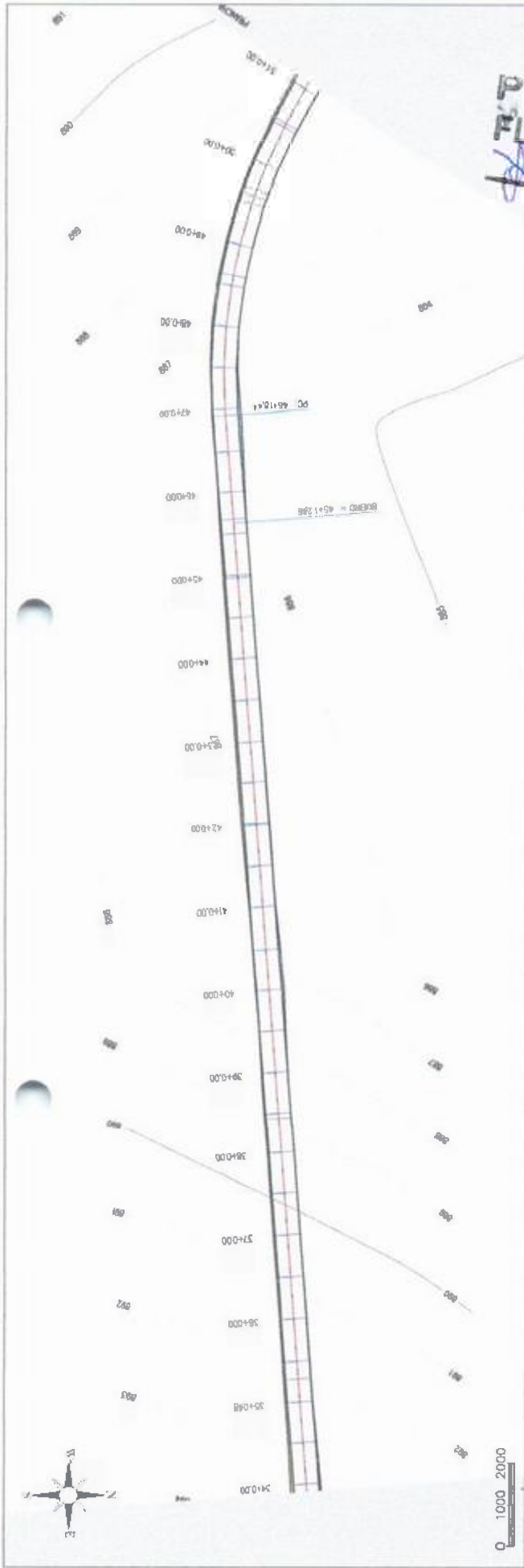
PREFEITURA MUNICIPAL DE SÃO BENEDITO PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 167 AO DISTRITO DE BARREIROS		PLANÍCIA 2 / 52
ESTAOQUEAMENTO E PERFIL LONGITUDINAL		ESCALA 1/1000
PROJETISTA ANDRÉO	PROJETO ENL. CHE. ARTHUR MOREIRA TORQUATO, DREN. A3, BRG. CE	

Est. (m)	Alt. (m)	Est. (m)	Alt. (m)
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17+050	900,305	27+050	900,305
17+100	900,305	27+100	900,305
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17+200	900,305	27+200	900,305
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17+350	900,305	27+350	900,305
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19+000	900,305	29+000	900,305
19+050	900,305	29+050	900,305
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20+500	900,305	30+500	900,305



JOTA BARROS PROJETOS
 Av. Arthur Moreira Torquato
 147 - 041-050/050 - CE

João Zia Soares Ferraz
 Engenheiro Civil
 CRP 10.333/2017



Q 1:000 2000

EIXO DA ESTRADA



Estação	Elevação	Estação	Elevação
34+00	894.48	44+00	900.48
35+00	894.58	45+00	900.58
36+00	894.68	46+00	900.68
37+00	894.78	47+00	900.78
38+00	894.88	48+00	900.88
39+00	894.98	49+00	900.98
40+00	895.08	50+00	901.08
41+00	895.18		
42+00	895.28		
43+00	895.38		
44+00	895.48		
45+00	895.58		
46+00	895.68		
47+00	895.78		
48+00	895.88		
49+00	895.98		
50+00	900.08		
51+00	900.18		

Handwritten notes: 'M N° 381', '381', and a signature.

FRANCHA 3 / 52
ESCALA 1/1000

PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS

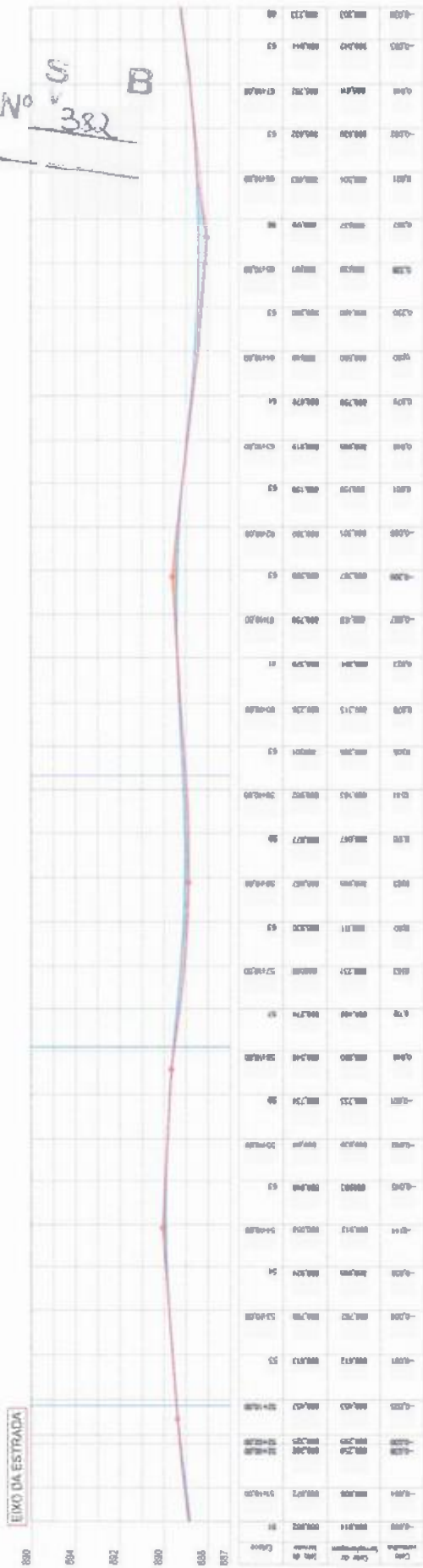
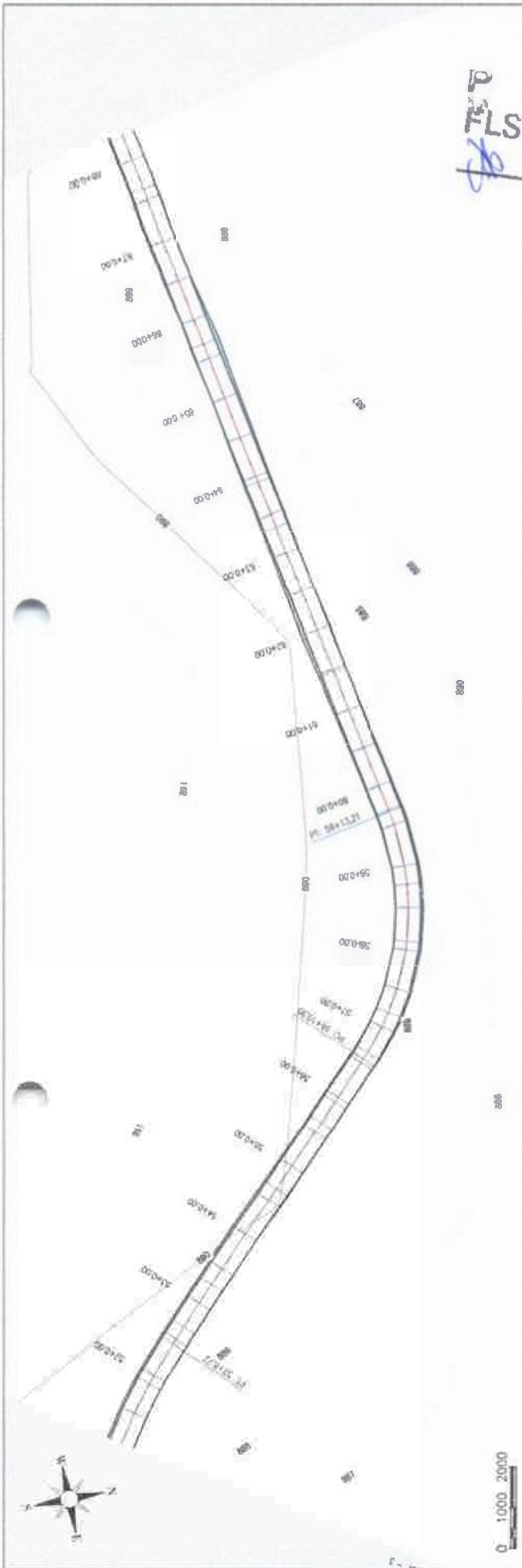
ESTACQUEAMENTO E PERFIL LONGITUDINAL

PROJETADEIRA: ARQUIVO
ENGENHEIRO: ENGR. CIVIL ARTUR MOREIRA TORQUATO - CREA 03.9903-CE
PAV. ASF. BARR. SB. 01-12-02. GEOM. 60 DWG



JOÃO CARLOS RODRIGUES
Arquiteto
C.R.C.A. 000000-0E

Handwritten signature and stamp.



PRIMEIRO	SEGUNDO	TERCEIRO	QUARTO	QUINTO	SEXTO	SÉTIMO	ÓTIMO	NONO	DÉCIMO	ONZAVO	DOZAVO
887,00	887,00	887,00	887,00	887,00	887,00	887,00	887,00	887,00	887,00	887,00	887,00



JOTA BARROS CONSULTORIA E PROJETOS
Av. Afonso Pena, 110 - Centro - Curitiba - PR - Brasil
Fone: (41) 3333-1111

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

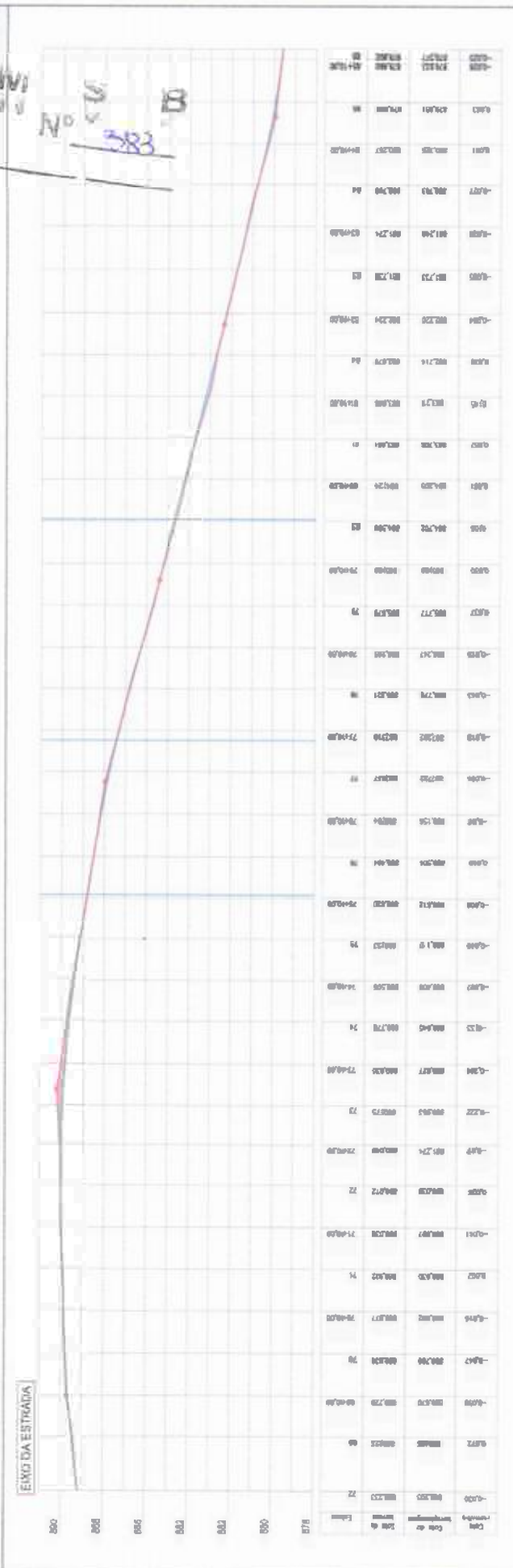
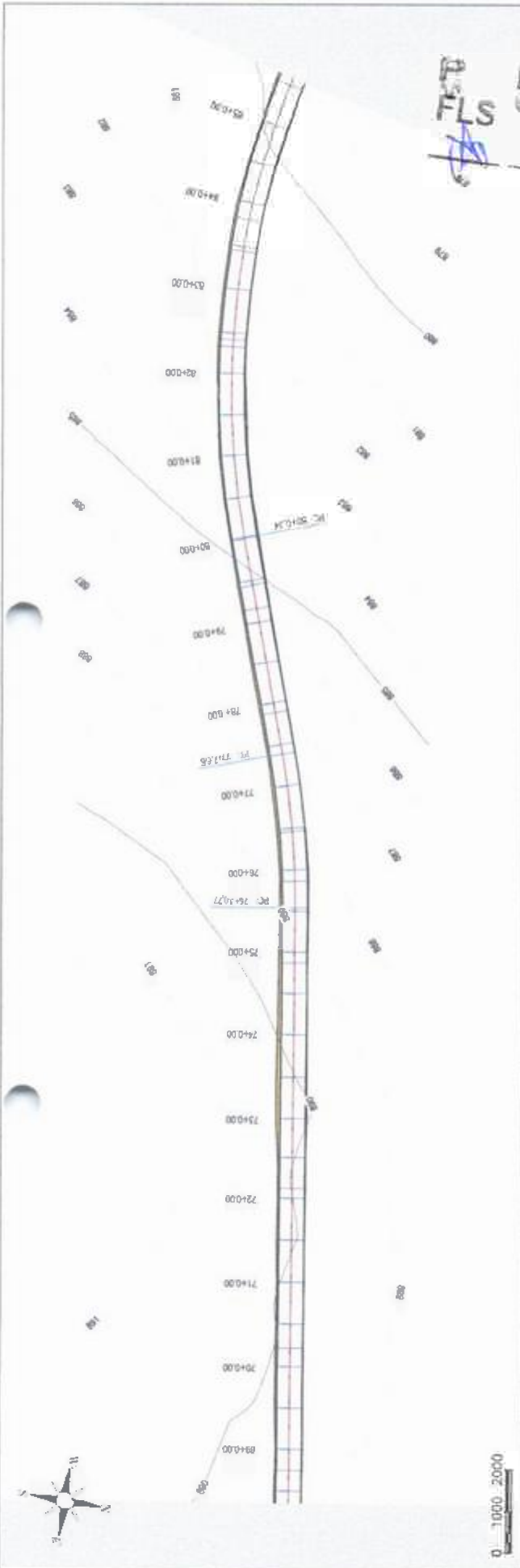
PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO

PROJETO DE PAVIMENTAÇÃO DE BARRIO



Estação	Elevação	Projeto	Terreno
69+00	0.530	0.530	0.530
69+20	0.530	0.530	0.530
69+40	0.530	0.530	0.530
69+60	0.530	0.530	0.530
69+80	0.530	0.530	0.530
70+00	0.530	0.530	0.530
70+20	0.530	0.530	0.530
70+40	0.530	0.530	0.530
70+60	0.530	0.530	0.530
70+80	0.530	0.530	0.530
71+00	0.530	0.530	0.530
71+20	0.530	0.530	0.530
71+40	0.530	0.530	0.530
71+60	0.530	0.530	0.530
71+80	0.530	0.530	0.530
72+00	0.530	0.530	0.530
72+20	0.530	0.530	0.530
72+40	0.530	0.530	0.530
72+60	0.530	0.530	0.530
72+80	0.530	0.530	0.530
73+00	0.530	0.530	0.530
73+20	0.530	0.530	0.530
73+40	0.530	0.530	0.530
73+60	0.530	0.530	0.530
73+80	0.530	0.530	0.530
74+00	0.530	0.530	0.530
74+20	0.530	0.530	0.530
74+40	0.530	0.530	0.530
74+60	0.530	0.530	0.530
74+80	0.530	0.530	0.530
75+00	0.530	0.530	0.530
75+20	0.530	0.530	0.530
75+40	0.530	0.530	0.530
75+60	0.530	0.530	0.530
75+80	0.530	0.530	0.530
76+00	0.530	0.530	0.530
76+20	0.530	0.530	0.530
76+40	0.530	0.530	0.530
76+60	0.530	0.530	0.530
76+80	0.530	0.530	0.530
77+00	0.530	0.530	0.530
77+20	0.530	0.530	0.530
77+40	0.530	0.530	0.530
77+60	0.530	0.530	0.530
77+80	0.530	0.530	0.530
78+00	0.530	0.530	0.530
78+20	0.530	0.530	0.530
78+40	0.530	0.530	0.530
78+60	0.530	0.530	0.530
78+80	0.530	0.530	0.530
79+00	0.530	0.530	0.530
79+20	0.530	0.530	0.530
79+40	0.530	0.530	0.530
79+60	0.530	0.530	0.530
79+80	0.530	0.530	0.530
80+00	0.530	0.530	0.530
80+20	0.530	0.530	0.530
80+40	0.530	0.530	0.530
80+60	0.530	0.530	0.530
80+80	0.530	0.530	0.530
81+00	0.530	0.530	0.530
81+20	0.530	0.530	0.530
81+40	0.530	0.530	0.530
81+60	0.530	0.530	0.530
81+80	0.530	0.530	0.530
82+00	0.530	0.530	0.530
82+20	0.530	0.530	0.530
82+40	0.530	0.530	0.530
82+60	0.530	0.530	0.530
82+80	0.530	0.530	0.530
83+00	0.530	0.530	0.530
83+20	0.530	0.530	0.530
83+40	0.530	0.530	0.530
83+60	0.530	0.530	0.530
83+80	0.530	0.530	0.530
84+00	0.530	0.530	0.530
84+20	0.530	0.530	0.530
84+40	0.530	0.530	0.530
84+60	0.530	0.530	0.530
84+80	0.530	0.530	0.530
85+00	0.530	0.530	0.530

PRANCHA
5 / 52
ESCALA
1/1.000

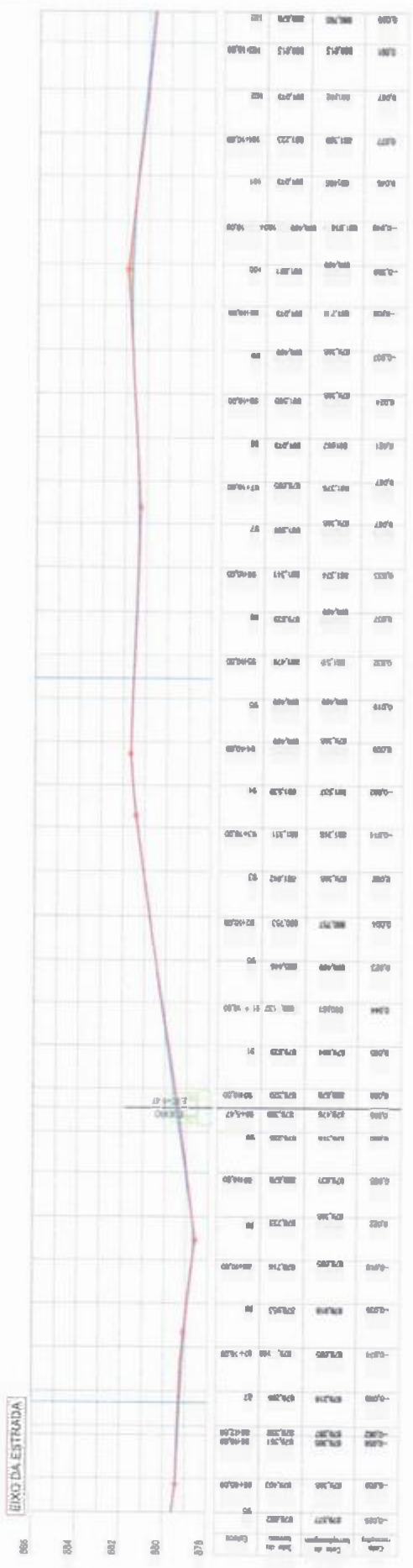
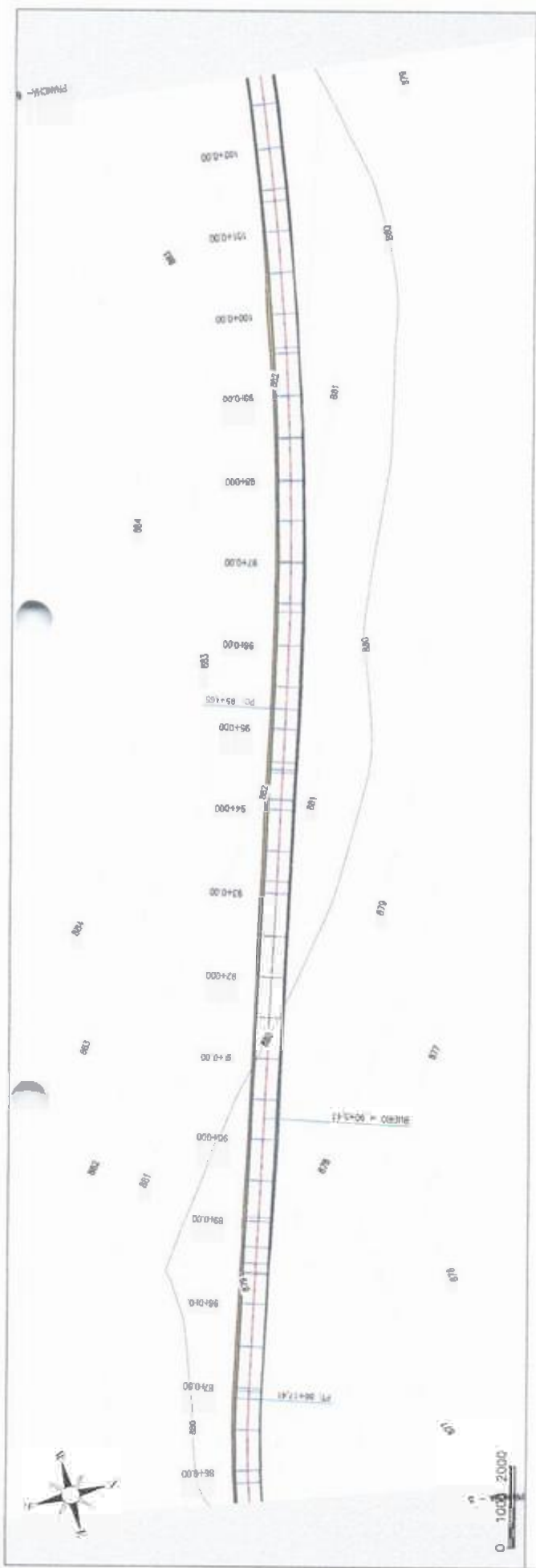
PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A DE 187 AO DISTRITO DE BARREIROS
ESTAQUEAMENTO E PERFIL LONGITUDINAL
PROJETO DE ARQUITETURA TORQUES E SOARES CONSULTORIA
ARQUITETO: HIRAPY JUNIOR DE SOUZA CECOM 1010810



JOTA BARROS PROJETO
ARQUITETOS TORQUES E SOARES CONSULTORIA
R. DA C. S. 200 - 02

Projeto de Arquitetura
TORQUES E SOARES CONSULTORIA
R. DA C. S. 200 - 02

FLS ¹⁴¹ 324



PRANCHA
6 / 52
 PROJETA
 1/1000

PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS

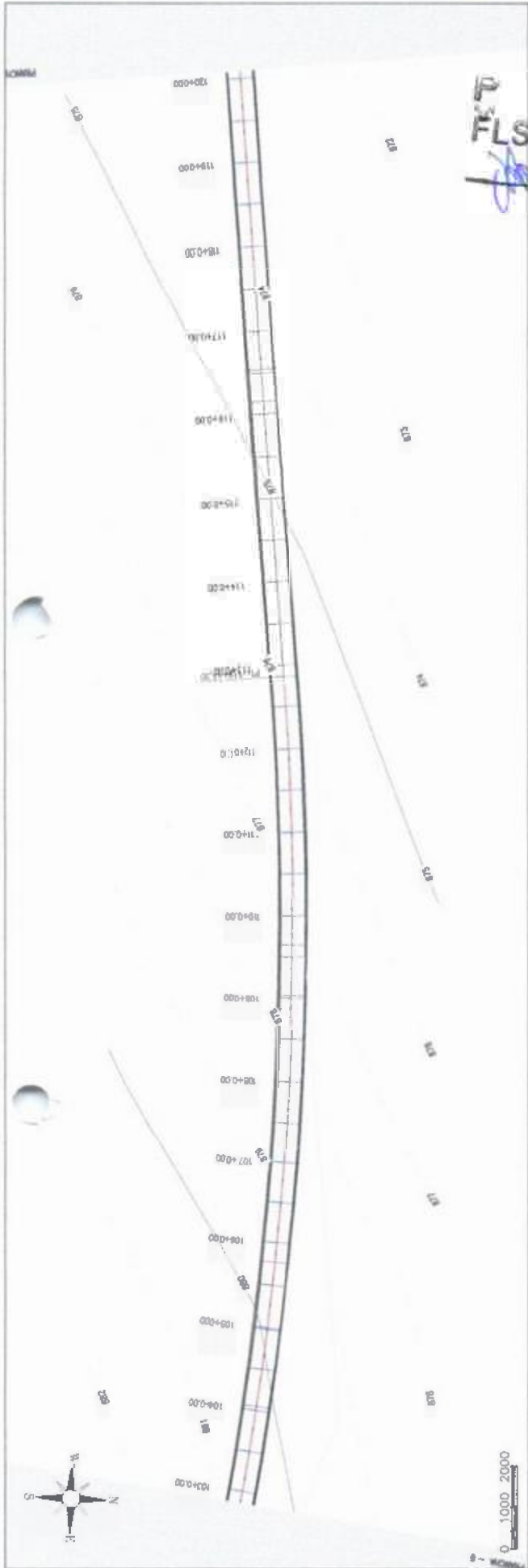
ESTACQUEAMENTO E PERFIL LONGITUDINAL

PROJETISTA: ENR. 0109 ARTUR MOURA TORCHIATO - CREA 03.000-CE
 ARQUIVO: 441-03_0001-00_01-02-00_0001-00.dwg



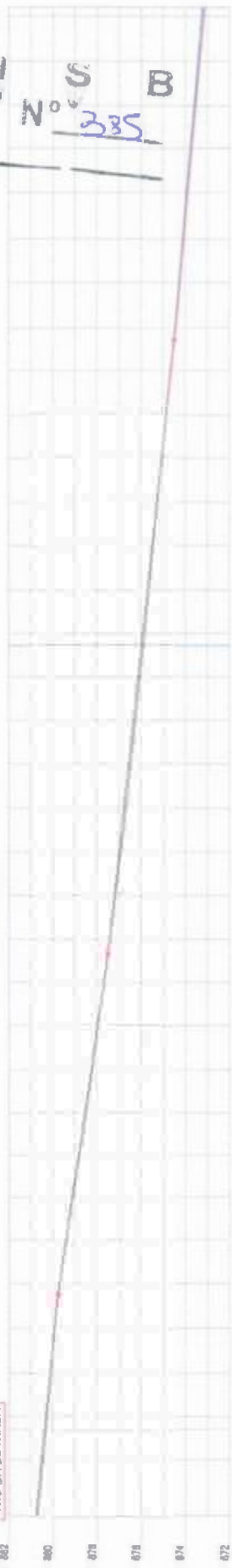
JOTA BARRIOS PROJETOS
 Artur Moura Torchiato
 Eng. Civil - CREA 03.000-CE

David da Silva
 ENR. 0109 (01/2017)



FLS
M
Nº 335
S
B

EIXO DA ESTRADA



Est. (m)	Alt. (m)	Alt. (m)	Alt. (m)
103+00	672,75	672,75	672,75
104+00	672,75	672,75	672,75
105+00	672,75	672,75	672,75
106+00	672,75	672,75	672,75
107+00	672,75	672,75	672,75
108+00	672,75	672,75	672,75
109+00	672,75	672,75	672,75
110+00	672,75	672,75	672,75
111+00	672,75	672,75	672,75
112+00	672,75	672,75	672,75
113+00	672,75	672,75	672,75
114+00	672,75	672,75	672,75
115+00	672,75	672,75	672,75
116+00	672,75	672,75	672,75
117+00	672,75	672,75	672,75
118+00	672,75	672,75	672,75
119+00	672,75	672,75	672,75
120+00	672,75	672,75	672,75

PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS

7 / 52

ESTACQUEAMENTO E PERFIL LONGITUDINAL

PROJETO: ENG. CIVIL ANTONIO VENTURA TORQUATO - OMA/CE/PRO/07
ARQUIVADO: PROJ. 001-000000-01

ESCALA: 1/1000



JOTA BARROS ENGENHARIA

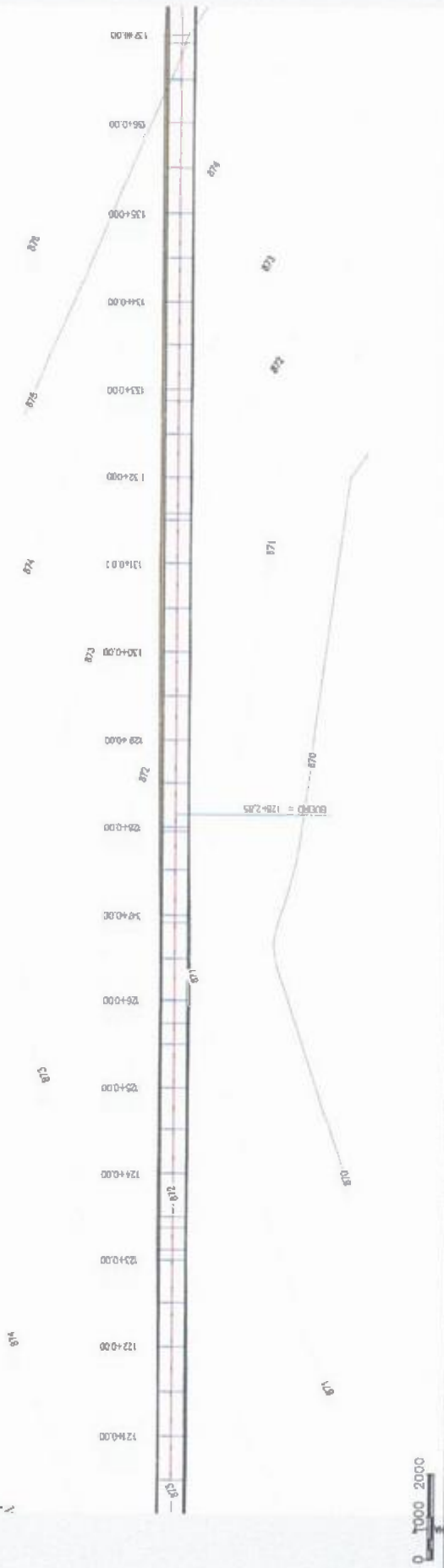


Antonio Ventura Torquato
Eng. Civil - OMA/CE/PRO/07

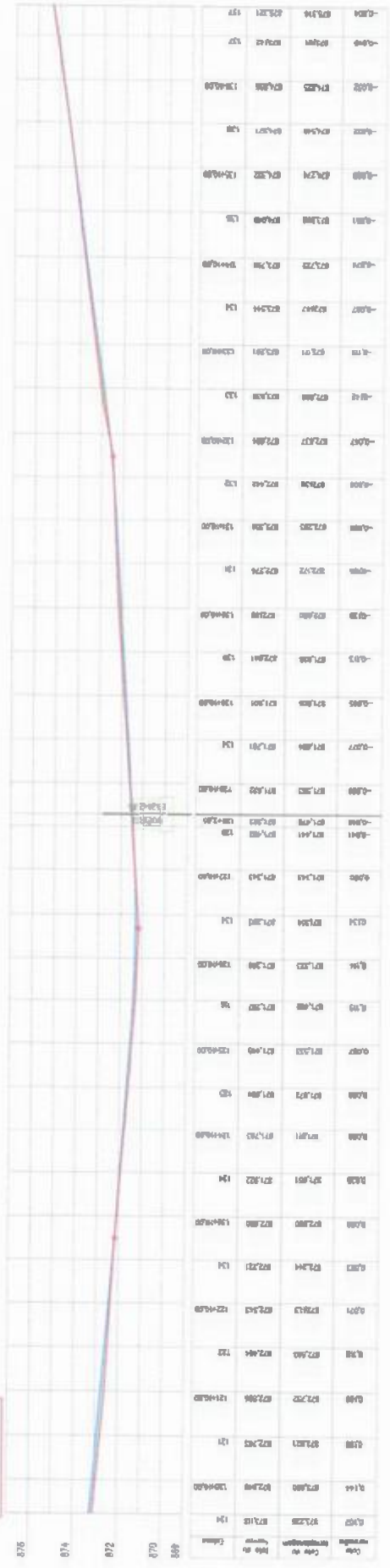


David de Fátima
Engenheira Civil
OAB/CE 112277/07

PRANCHA - 8



EIXO DA ESTRADA



Est. (m)	Alt. (m)	Est. (m)	Alt. (m)
124+00	876	137+00	899
124+10	877	137+10	900
124+20	878	137+20	901
124+30	879	137+30	902
124+40	880	137+40	903
124+50	881	137+50	904
124+60	882	137+60	905
124+70	883	137+70	906
124+80	884	137+80	907
124+90	885	137+90	908
125+00	886	138+00	909
125+10	887	138+10	910
125+20	888	138+20	911
125+30	889	138+30	912
125+40	890	138+40	913
125+50	891	138+50	914
125+60	892	138+60	915
125+70	893	138+70	916
125+80	894	138+80	917
125+90	895	138+90	918
126+00	896	139+00	919
126+10	897	139+10	920
126+20	898	139+20	921
126+30	899	139+30	922
126+40	900	139+40	923
126+50	901	139+50	924
126+60	902	139+60	925
126+70	903	139+70	926
126+80	904	139+80	927
126+90	905	139+90	928
127+00	906	140+00	929
127+10	907	140+10	930
127+20	908	140+20	931
127+30	909	140+30	932
127+40	910	140+40	933
127+50	911	140+50	934
127+60	912	140+60	935
127+70	913	140+70	936
127+80	914	140+80	937
127+90	915	140+90	938
128+00	916	141+00	939
128+10	917	141+10	940
128+20	918	141+20	941
128+30	919	141+30	942
128+40	920	141+40	943
128+50	921	141+50	944
128+60	922	141+60	945
128+70	923	141+70	946
128+80	924	141+80	947
128+90	925	141+90	948
129+00	926	142+00	949
129+10	927	142+10	950
129+20	928	142+20	951
129+30	929	142+30	952
129+40	930	142+40	953
129+50	931	142+50	954
129+60	932	142+60	955
129+70	933	142+70	956
129+80	934	142+80	957
129+90	935	142+90	958
130+00	936	143+00	959
130+10	937	143+10	960
130+20	938	143+20	961
130+30	939	143+30	962
130+40	940	143+40	963
130+50	941	143+50	964
130+60	942	143+60	965
130+70	943	143+70	966
130+80	944	143+80	967
130+90	945	143+90	968
131+00	946	144+00	969
131+10	947	144+10	970
131+20	948	144+20	971
131+30	949	144+30	972
131+40	950	144+40	973
131+50	951	144+50	974
131+60	952	144+60	975
131+70	953	144+70	976
131+80	954	144+80	977
131+90	955	144+90	978
132+00	956	145+00	979
132+10	957	145+10	980
132+20	958	145+20	981
132+30	959	145+30	982
132+40	960	145+40	983
132+50	961	145+50	984
132+60	962	145+60	985
132+70	963	145+70	986
132+80	964	145+80	987
132+90	965	145+90	988
133+00	966	146+00	989
133+10	967	146+10	990
133+20	968	146+20	991
133+30	969	146+30	992
133+40	970	146+40	993
133+50	971	146+50	994
133+60	972	146+60	995
133+70	973	146+70	996
133+80	974	146+80	997
133+90	975	146+90	998
134+00	976	147+00	999
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134+20	978	147+20	1001
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134+60	982	147+60	1005
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134+80	984	147+80	1007
134+90	985	147+90	1008
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135+10	987	148+10	1010
135+20	988	148+20	1011
135+30	989	148+30	1012
135+40	990	148+40	1013
135+50	991	148+50	1014
135+60	992	148+60	1015
135+70	993	148+70	1016
135+80	994	148+80	1017
135+90	995	148+90	1018
136+00	996	149+00	1019
136+10	997	149+10	1020
136+20	998	149+20	1021
136+30	999	149+30	1022
136+40	1000	149+40	1023
136+50	1001	149+50	1024
136+60	1002	149+60	1025
136+70	1003	149+70	1026
136+80	1004	149+80	1027
136+90	1005	149+90	1028
137+00	1006	150+00	1029

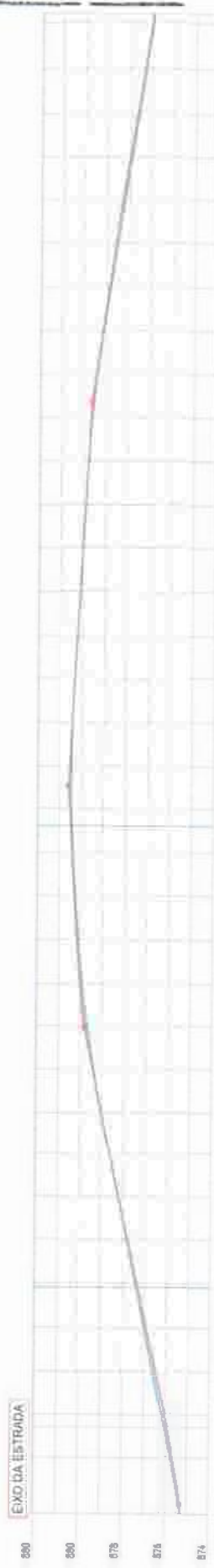
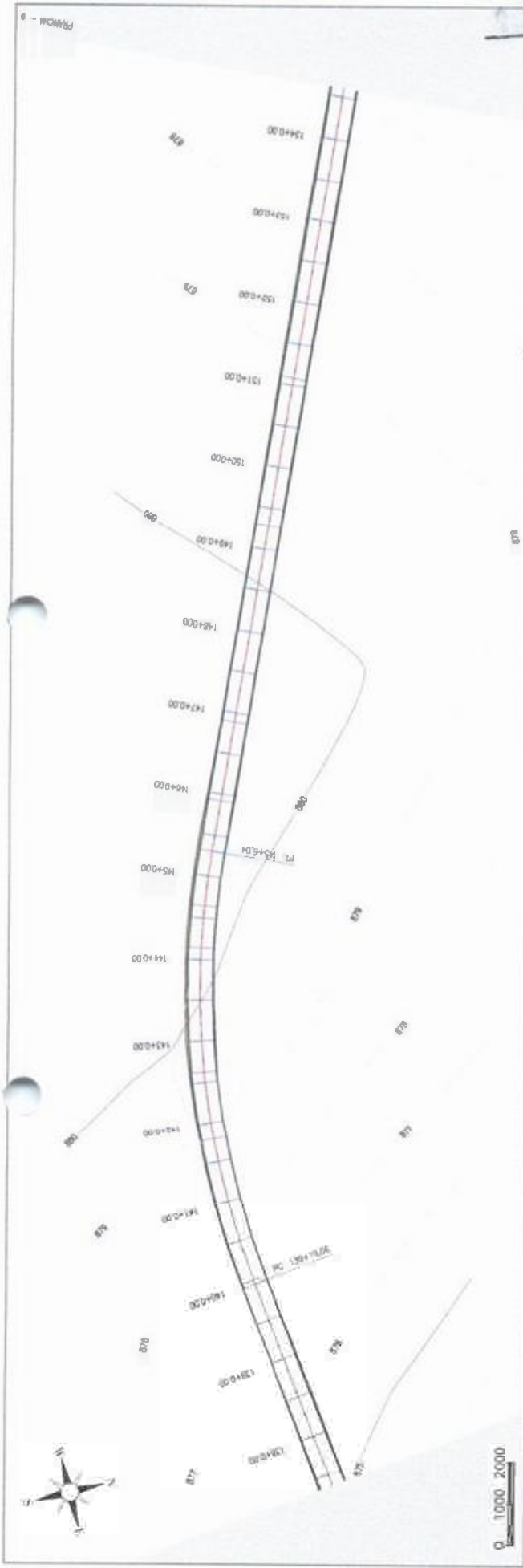
PRANCHA 8 / 52
ESCALA 1/1000

PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
ESTAQUEAMENTO E PERFIL LONGITUDINAL
PROJETOISTA: ENG. CIVIL ARTHUR MOREIRA TORQUATO - ORIA B00003-CE
ARQUIVO: PAV ASF. BARR. SB. 01.02.02 - SECOM. RD.010



JOTA BARRIOS PROJETO
Arthur Moreira Torquato
Eng. Civil - CREA 000003-CE

Handwritten signature in blue ink.



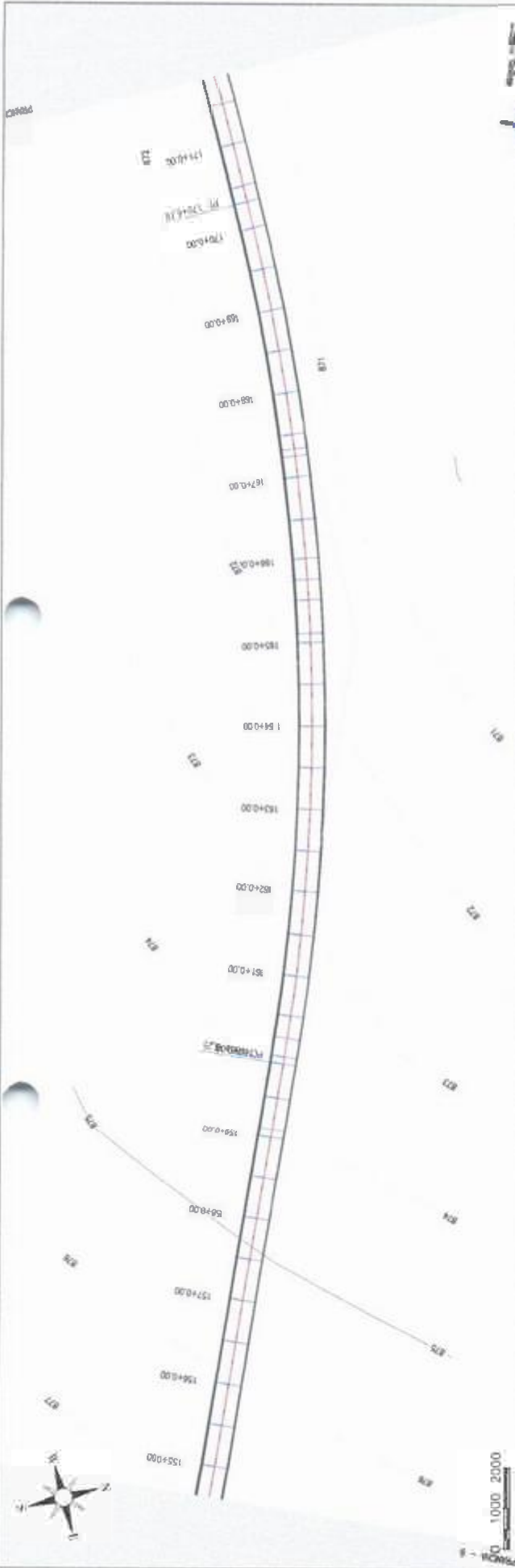
Estação	Alt. Terreno (m)	Alt. Projeto (m)	Alt. Pavimento (m)
128+00	75.20	75.20	75.20
128+20	75.30	75.30	75.30
128+40	75.40	75.40	75.40
128+60	75.50	75.50	75.50
128+80	75.60	75.60	75.60
129+00	75.70	75.70	75.70
129+20	75.80	75.80	75.80
129+40	75.90	75.90	75.90
129+60	76.00	76.00	76.00
129+80	76.10	76.10	76.10
130+00	76.20	76.20	76.20
130+20	76.30	76.30	76.30
130+40	76.40	76.40	76.40
130+60	76.50	76.50	76.50
130+80	76.60	76.60	76.60
131+00	76.70	76.70	76.70
131+20	76.80	76.80	76.80
131+40	76.90	76.90	76.90
131+60	77.00	77.00	77.00
131+80	77.10	77.10	77.10
132+00	77.20	77.20	77.20
132+20	77.30	77.30	77.30
132+40	77.40	77.40	77.40
132+60	77.50	77.50	77.50
132+80	77.60	77.60	77.60
133+00	77.70	77.70	77.70
133+20	77.80	77.80	77.80
133+40	77.90	77.90	77.90
133+60	78.00	78.00	78.00
133+80	78.10	78.10	78.10
134+00	78.20	78.20	78.20

PRANCHA: 9 / 52
 ESCALA: 1/1000
 PREFEITURA MUNICIPAL DE SÃO BENEDITO
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
 ESTAQUEAMENTO E PERFIL LONGITUDINAL
 PROJETISTA: ENG. CIVIL AFFRIGIO BERNARDI CORREIA - CRIB 10000-CE
 ARQUIVO: FALCÃO BARREIROS, PAULO JOSÉ, JR (PJM)



JOIA BARROS P.B.O.
 Av. ...
 ...

David de ...
 ...
 ...



P
 FLS
 M
 S
 B
 Nº 388

1:1000
 1:2000
 20000

Estação	Altura (m)	Estação	Altura (m)
155+00	071,00	166+00	071,00
155+10	071,00	166+10	071,00
155+20	071,00	166+20	071,00
155+30	071,00	166+30	071,00
155+40	071,00	166+40	071,00
155+50	071,00	166+50	071,00
155+60	071,00	166+60	071,00
155+70	071,00	166+70	071,00
155+80	071,00	166+80	071,00
155+90	071,00	166+90	071,00
156+00	071,00	167+00	071,00
156+10	071,00		
156+20	071,00		
156+30	071,00		
156+40	071,00		
156+50	071,00		
156+60	071,00		
156+70	071,00		
156+80	071,00		
156+90	071,00		
157+00	071,00		
157+10	071,00		
157+20	071,00		
157+30	071,00		
157+40	071,00		
157+50	071,00		
157+60	071,00		
157+70	071,00		
157+80	071,00		
157+90	071,00		
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158+10	071,00		
158+20	071,00		
158+30	071,00		
158+40	071,00		
158+50	071,00		
158+60	071,00		
158+70	071,00		
158+80	071,00		
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160+60	071,00		
160+70	071,00		
160+80	071,00		
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163+70	071,00		
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163+90	071,00		
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164+10	071,00		
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166+80	071,00		
166+90	071,00		
167+00	071,00		



JOTA BARROS PROJETO
 Av. Manoel Teodoro
 nº 44 - Colônia - CE

David de...
 Engenheiro Civil
 CRP 10.123/CE

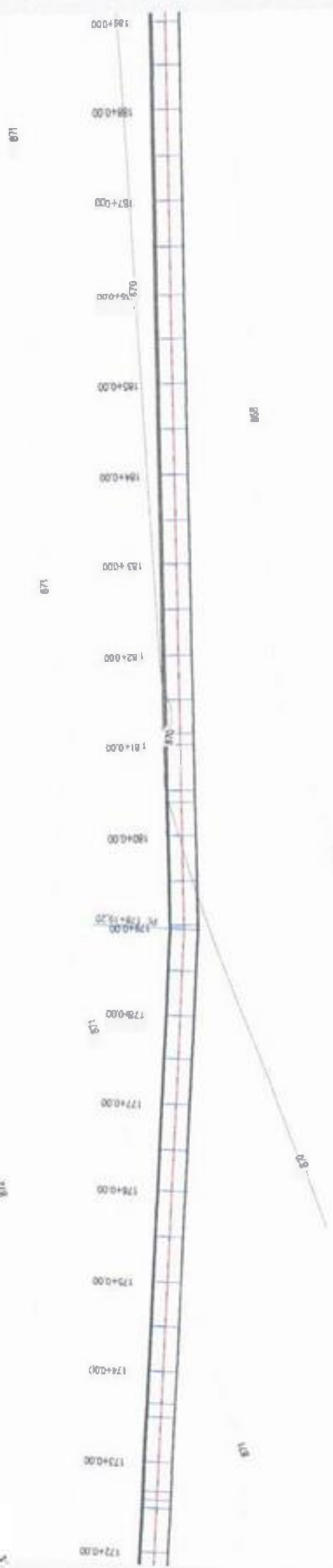
PRANCHA
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 ESCALA
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PREFEITURA MUNICIPAL DE SÃO BENEDITO
 PAVIMENTAÇÃO ASFÁLTICA DA ESTRADA QUE LIGA A CE 167 AO DISTRITO DE BARREIROS

ESTACQUEAMENTO E PERFIL LONGITUDINAL

PROJETO: JOTA BARROS PROJETO
 ENG. CIVIL: JOTA BARROS PROJETO - CREA 11.400/CE

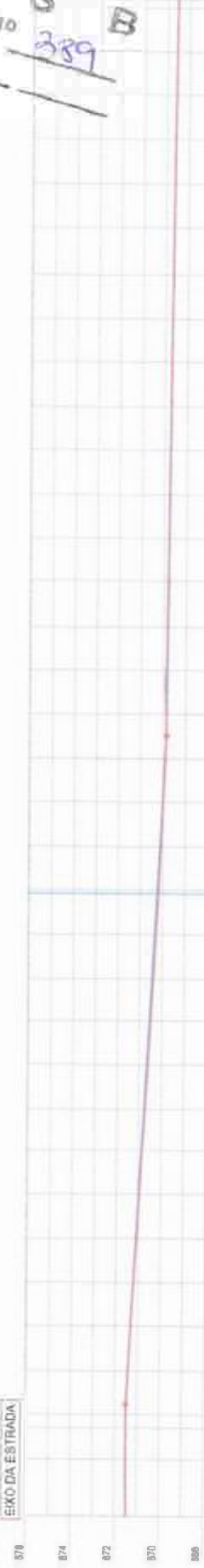
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FLS ^{IV} ^S ^B
 No 389

0 1000 2000
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EIXO DA ESTRADA



Estação	Altura (m)	Estação	Altura (m)
172+00	172.00	185+00	185.00
172+10	172.10	185+10	185.10
172+20	172.20	185+20	185.20
172+30	172.30	185+30	185.30
172+40	172.40	185+40	185.40
172+50	172.50	185+50	185.50
172+60	172.60	185+60	185.60
172+70	172.70	185+70	185.70
172+80	172.80	185+80	185.80
172+90	172.90	185+90	185.90
173+00	173.00	186+00	186.00
173+10	173.10		
173+20	173.20		
173+30	173.30		
173+40	173.40		
173+50	173.50		
173+60	173.60		
173+70	173.70		
173+80	173.80		
173+90	173.90		
174+00	174.00		
174+10	174.10		
174+20	174.20		
174+30	174.30		
174+40	174.40		
174+50	174.50		
174+60	174.60		
174+70	174.70		
174+80	174.80		
174+90	174.90		
175+00	175.00		
175+10	175.10		
175+20	175.20		
175+30	175.30		
175+40	175.40		
175+50	175.50		
175+60	175.60		
175+70	175.70		
175+80	175.80		
175+90	175.90		
176+00	176.00		
176+10	176.10		
176+20	176.20		
176+30	176.30		
176+40	176.40		
176+50	176.50		
176+60	176.60		
176+70	176.70		
176+80	176.80		
176+90	176.90		
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184+90	184.90		
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185+20	185.20		
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185+90	185.90		
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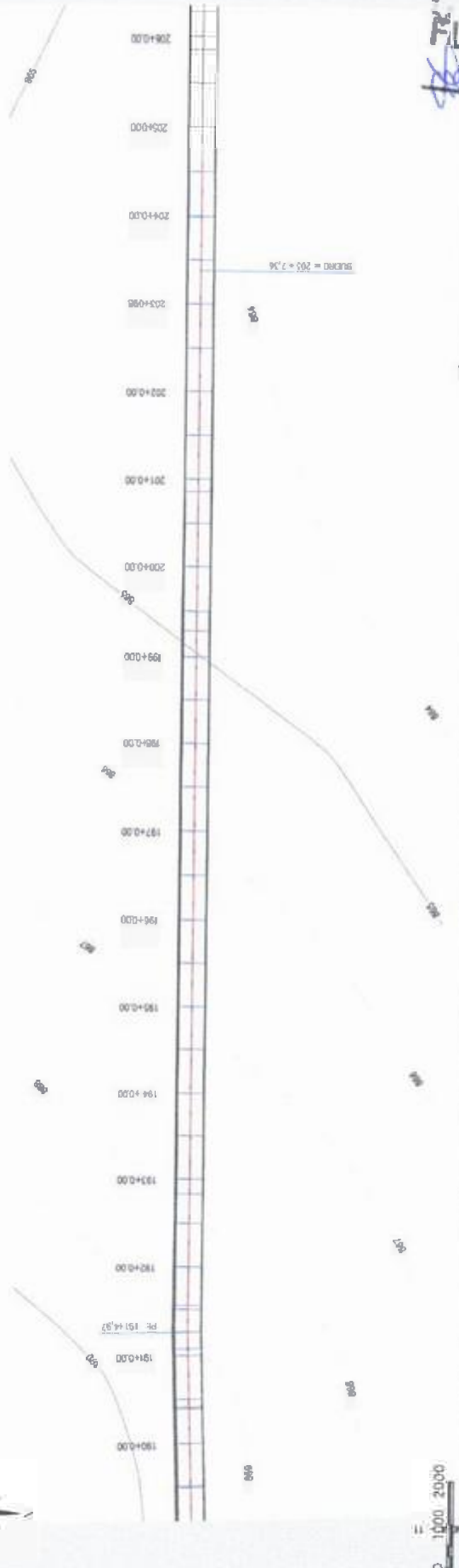
PRANCHA
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 ESCALA
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PREFEITURA MUNICIPAL DE SÃO BENEDITO
 PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
 ESTADUEAMENTO E PERFIL LONGITUDINAL
 PROJETO EM: 14/05/2014
 AUTORIZADO: JOTA BARROS



JOTA BARROS PROJETOS
 Av. Brasil, 1000 - Jd. Santa Helena
 São Benedito, RJ - CEP: 24110-000
 Fone: (24) 3322-1111

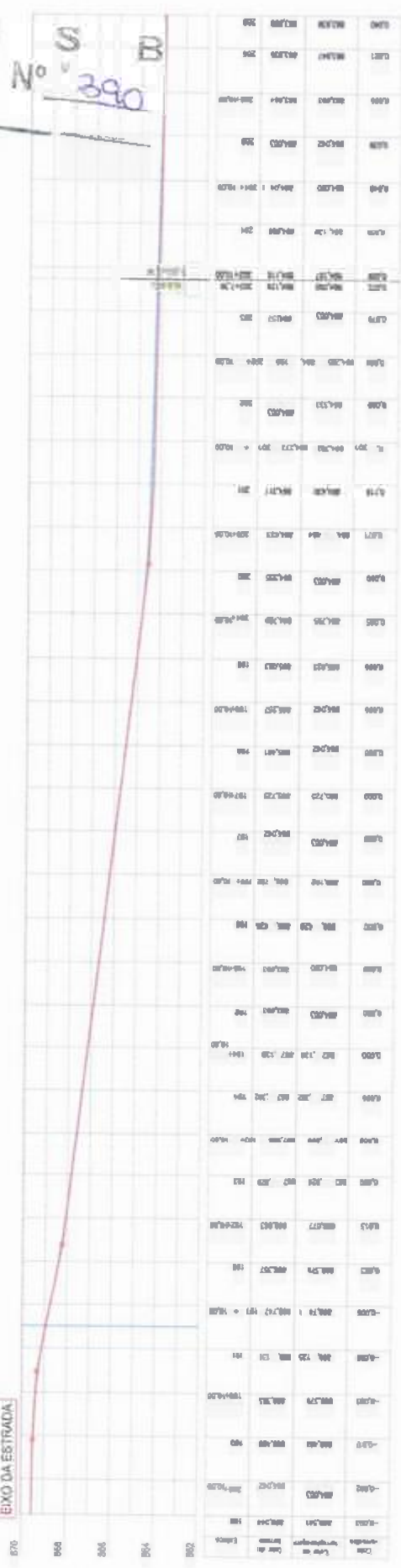
Projeto de Engenharia Civil
 JOTA BARROS PROJETOS
 14/05/2014



0 1000 2000

PLS
M
S B
Nº 390

EIXO DA ESTRADA



Estação	Elevação (m)	Estação	Elevação (m)
190+00	200.00	198+00	208.00
191+00	201.00	199+00	209.00
192+00	202.00	200+00	210.00
193+00	203.00	201+00	211.00
194+00	204.00	202+00	212.00
195+00	205.00	203+00	213.00
196+00	206.00	204+00	214.00
197+00	207.00	205+00	215.00
198+00	208.00	206+00	216.00
199+00	209.00	207+00	217.00
200+00	210.00	208+00	218.00
201+00	211.00	209+00	219.00
202+00	212.00	210+00	220.00
203+00	213.00	211+00	221.00
204+00	214.00	212+00	222.00
205+00	215.00	213+00	223.00
206+00	216.00	214+00	224.00



JOTA BARRIOS PROJETO
Arquitetos Associados
R. ...
Tel: ...

(Handwritten signature)
R. ...

PREFEITURA MUNICIPAL DE SÃO BENEDITO
PAVIMENTAÇÃO ASFALTICA DA ESTRADA QUE LIGA A CE 187 AO DISTRITO DE BARREIROS
ESTACAMENTO E PERFIL LONGITUDINAL
PRIMEIRA FASE: PROJETO DE PAVIMENTAÇÃO ASFALTICA
AUTOR: ...
ESCALA: 1/1000
FOLHA: 12 / 52