

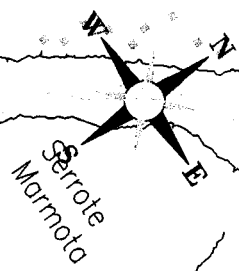
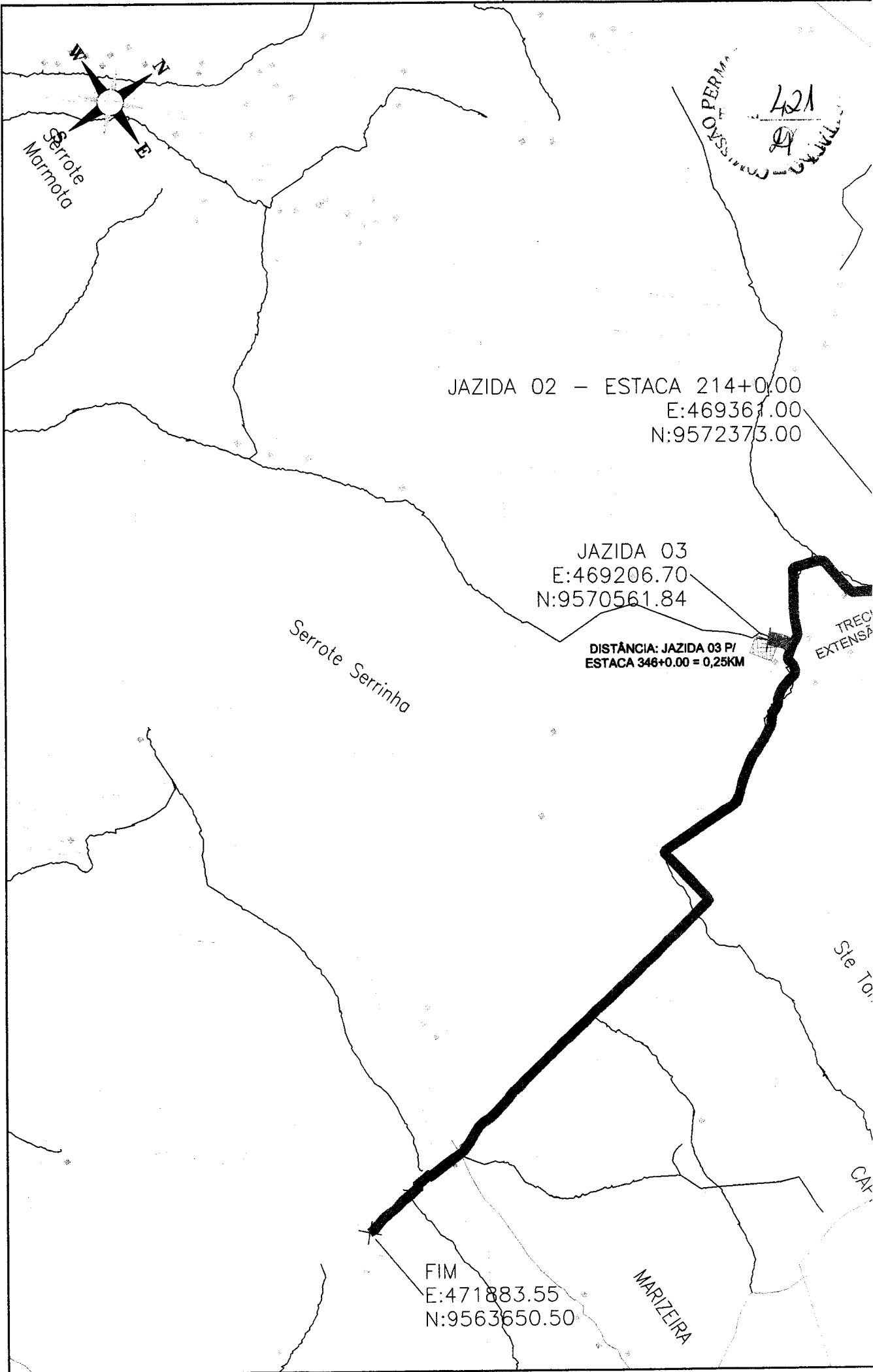


PREFEITURA MUNICIPAL

**RECUPERAÇÃO DE ESTRADA
PENTECC**

TRECHO 02: CE 341 AS LOCALIDAD

PEÇAS G



COMISSÃO PERMANENTE
421
D

JAZIDA 02 - ESTACA 214+0.00
E:469361.00
N:9572373.00

JAZIDA 03
E:469206.70
N:9570561.84

DISTÂNCIA: JAZIDA 03 P/
ESTACA 346+0.00 = 0,25KM

TREC.
EXTENS.

Serrate Serrinha

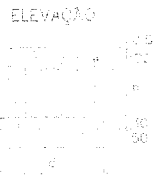
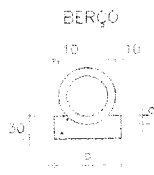
Sle To.

CAT.

FIM
E:471883.55
N:9563650.50

MARIZERA

SIMPLES



PLANTA NORMAL



PLANTA ESCONSO



BERÇO

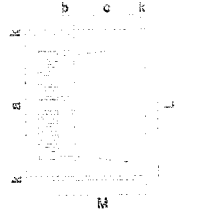
tipo	a	b	c	CONSUMO (m³)
BSM - 0,60	0,35	1,20	0,15	0,420 m³
BSM - 0,95	0,45	1,10	0,20	0,430 m³
BSM - 1,00	0,58	1,44	0,25	0,636 m³

BOCA - TABELA DE DIMENSÕES

Esp	BSM - 0,60						BSM - 1,00						
	d	e	f	g	h	k	d	e	f	g	h	k	
0	15	1,90	0,30	0,30	0,40	0,10	15	2,10	0,40	0,50	0,45	1,42	0,10
15	30	2,13	0,34	0,23	0,43	0,11	30	2,31	0,44	0,33	0,48	1,42	0,11
30	45	2,49	0,39	0,37	0,51	0,12	30	2,58	0,48	0,37	0,57	1,42	0,12

DUPLO

PLANTA NORMAL



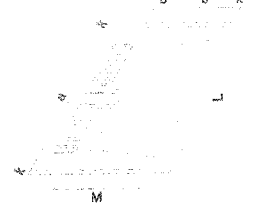
VISTA LATERAL



VISTA FRONTAL



PLANTA ESCONSO



DIMENSÕES E CONSUMOS MÉDIOS PARA UMA UNIDADE

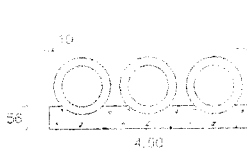
Esp	BUEIRO DUPLO TUBULAR Ø = 80													formaço m²	concreto m³	cimento saco 50kg	area m²	bita 1 m³	bita 2 m³	opus m³	tubo m³
	a	b	c	d	e	f	g	h	k	m	n	p	L								
0°	240			30										280	8,25	1,957	0,588	1,331	1,448	0,313	0,200
5°	241			30										281	8,27	1,956	0,592	1,331	1,449	0,313	0,207
10°	244			30										284	8,34	1,961	0,607	1,333	1,451	0,314	0,209
15°	246			31										289	8,46	1,985	0,630	1,336	1,464	0,314	0,212
20°	255	23	145	32	25	15	120	10	30	30	20			277	8,65	1,972	0,663	1,341	1,459	0,316	0,216
25°	285			33										287	8,90	1,981	0,704	1,347	1,466	0,317	0,222
30°	277			35										300	9,24	1,981	0,766	1,354	1,473	0,319	0,231
35°	263			37										317	9,71	2,003	0,813	1,362	1,482	0,320	0,243
40°	313			38										339	10,34	2,016	0,878	1,371	1,492	0,323	0,259
45°	339			42										389	11,22	2,031	0,953	1,381	1,503	0,325	0,281

Nota:

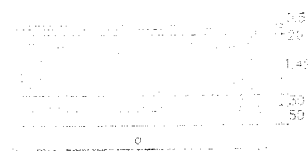
- 1 - Dimensões em cm
- 2 - Utilizar concreto ciclópico fck e 18 MPa
- 3 - Utilizar preferencialmente peças normais para bueiros esconso, ajustando o talude de acordo com as alas e/ou prolongando o corpo do bueiro

TRIPLO

BERÇO



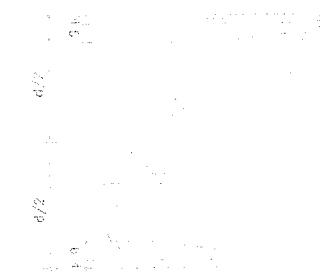
ELEVACÃO



PLANTA NORMAL



PLANTA ESCONSO

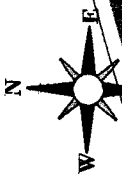


BOCA - TABELA DE DIMENSÕES

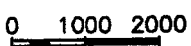
Esp	BSM - 0,60					
	d	e	f	g	h	
0	15	4,10	0,40	0,50	0,45	0,10
15	30	5,25	0,44	0,33	0,48	0,11
30	45	5,83	0,48	0,31	0,56	0,12

BERÇO

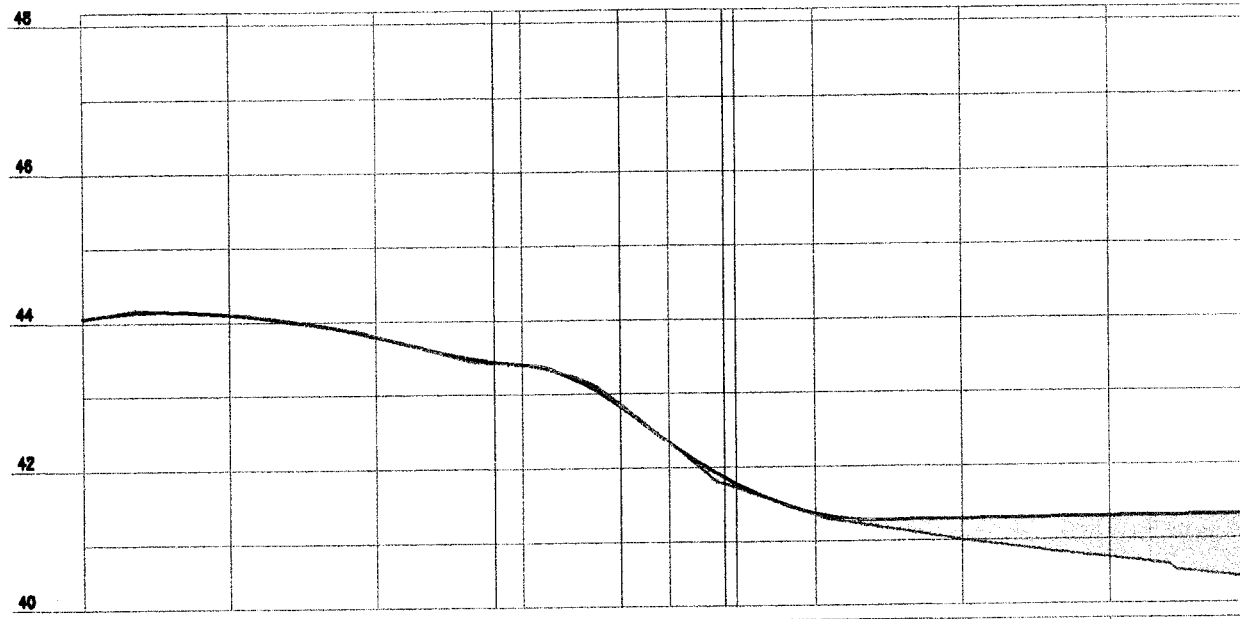
CONCRETO P.M.L.
 1,687m³



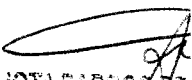
INICIO DO TRECHO:
 Coordenadas
 E: 489440.788
 N: 9576280.324

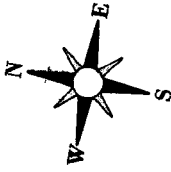


EIXO DA ESTRADA: FOFO - ALIANÇA - SERRINHA

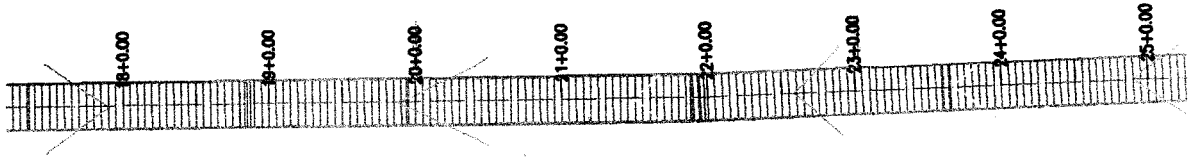


Clas. vertical	Cota de Intersección	Cota de Barrido	Estatos
0.000	44.008	44.008	0
-0.009	44.108	44.115	1
-0.009	43.008	43.815	2
0.005	43.407	43.404	3
-0.010	42.342	42.352	4
0.007	41.387	41.381	5
0.294	41.305	41.011	6
0.572	41.323	40.751	7

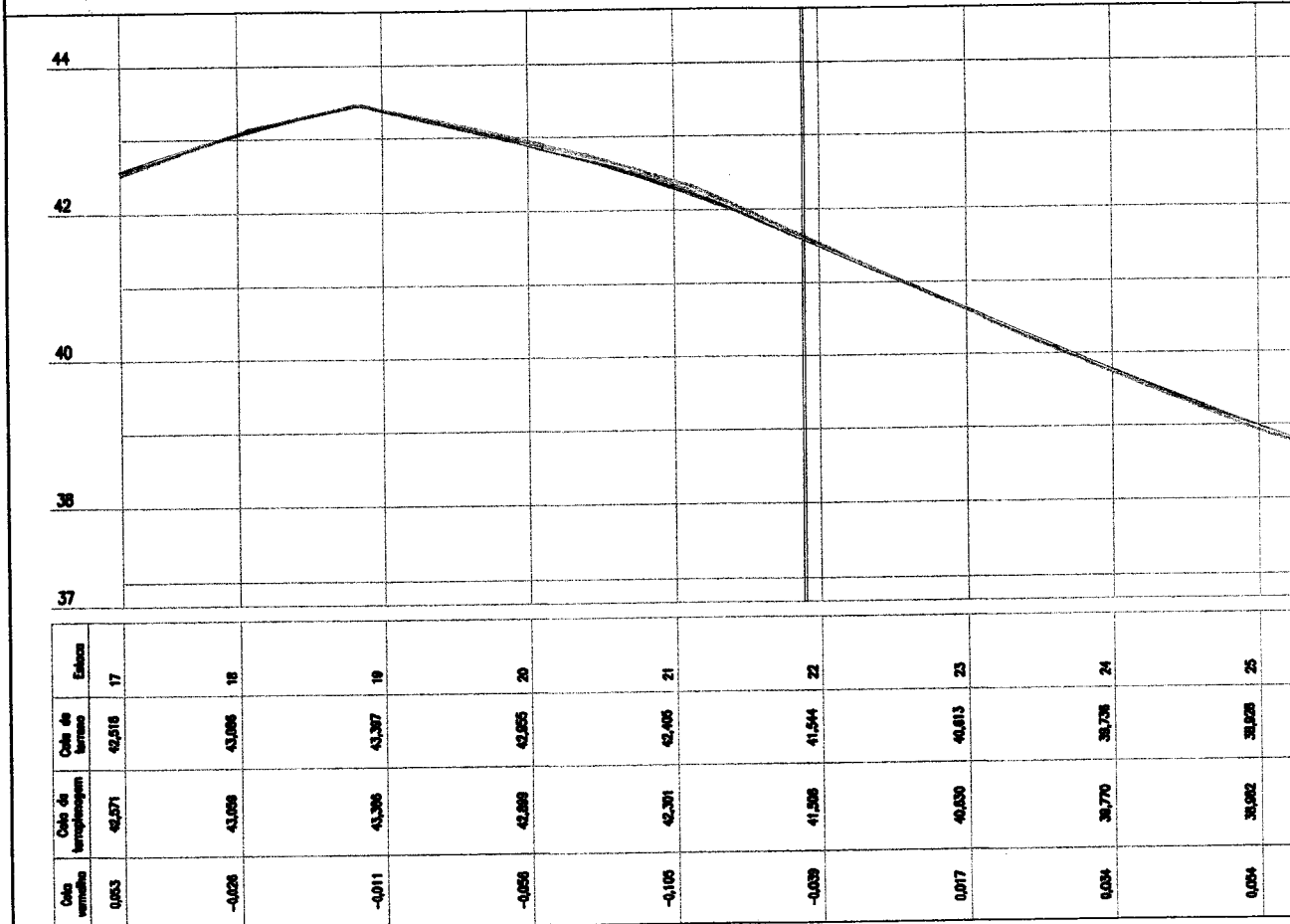

 JOTA BARROS PR
 Arthur Moreira TC
 Engº CIVIL - CREA 530



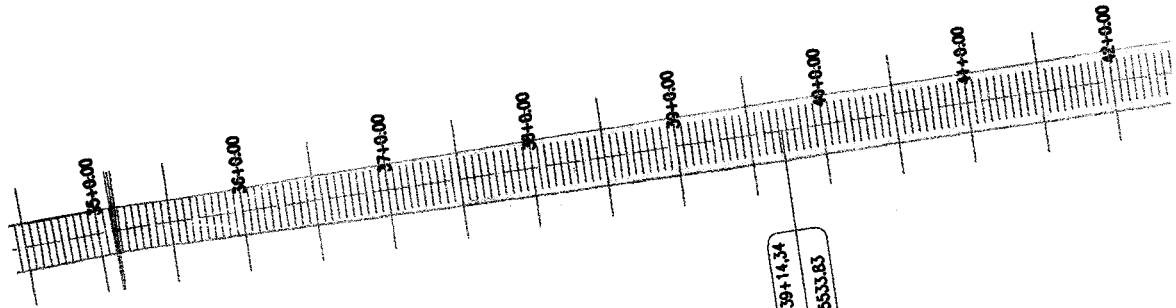
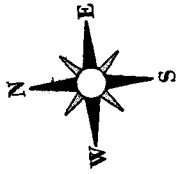
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 424
 P



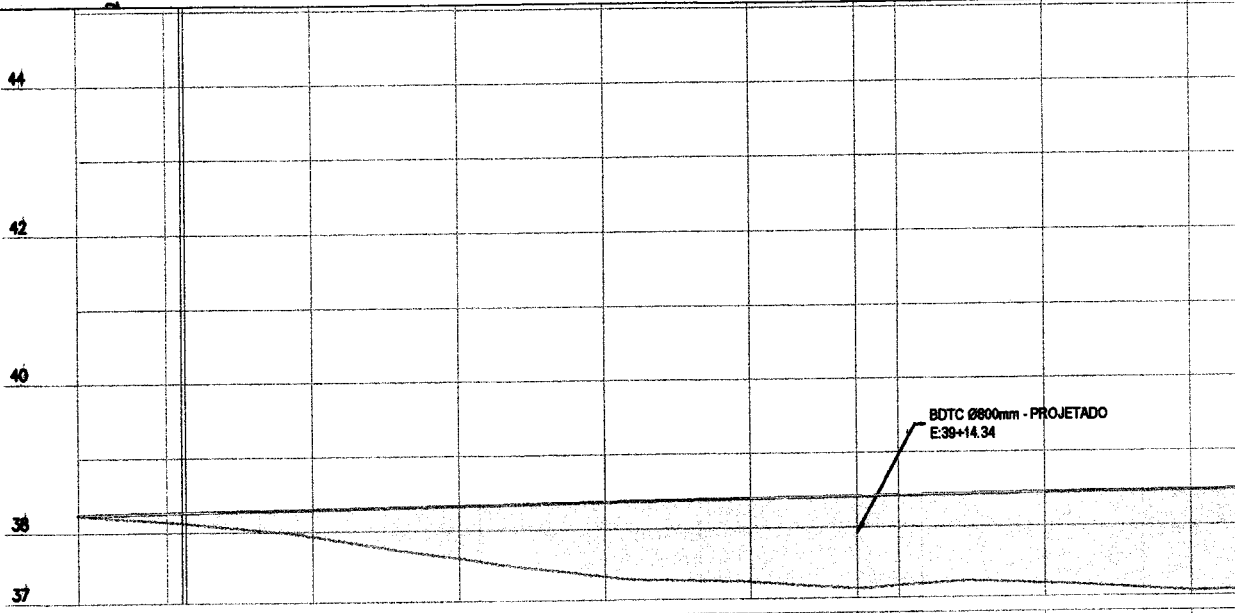
0 1000 2000



JOTA BARRON PROJ
 Arthur Moreira Torq
 Engº CIVIL - CREA 53600

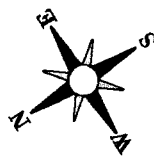


0 1000 2000

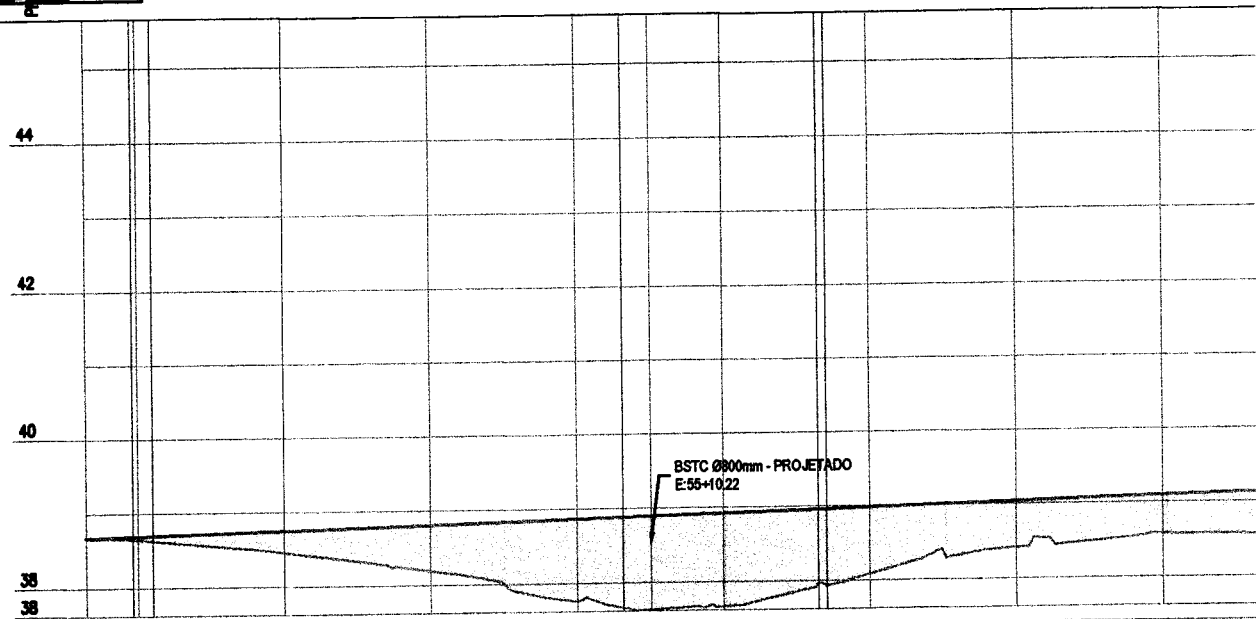
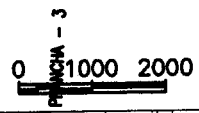
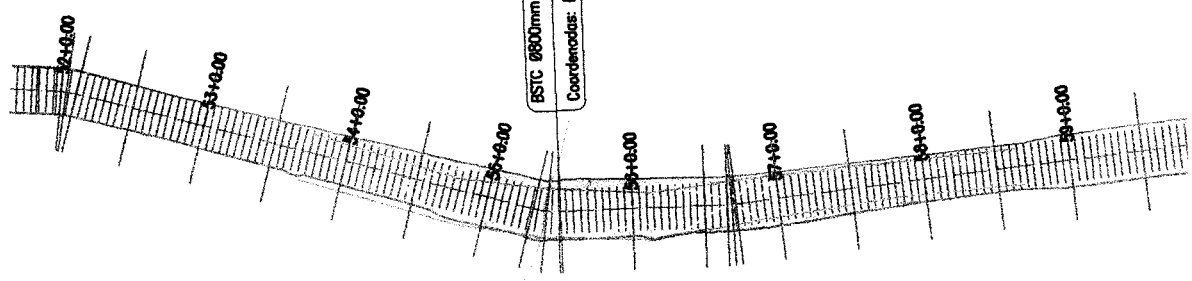


Oslo verticais	Oslo de interseções	Oslo de terreno	Estaca
0,005	38,241	38,226	34
0,122	38,288	38,146	35
0,304	38,371	37,837	36
0,716	38,335	37,819	37
1,017	38,388	37,881	38
1,141	38,402	37,881	39
1,288	38,484	37,188	39+14,34
1,238	38,432	37,183	40
1,243	38,483	37,211	41
1,378	38,071	37,683	42

JOIA BASTOS PROJ.
Arquit. Acrofta Torq
Eng. CIVIL - CREA 58600

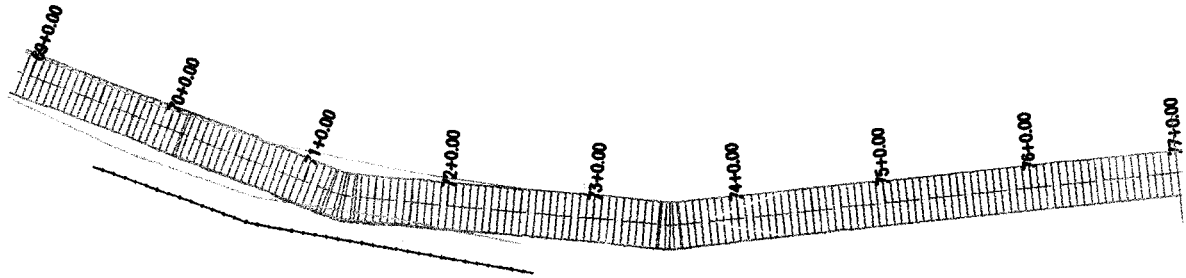
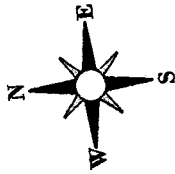


BSTC Ø800mm - PROJETADO = 55+10,22
 Coordenadas: E:469434,98; N:9575248,13

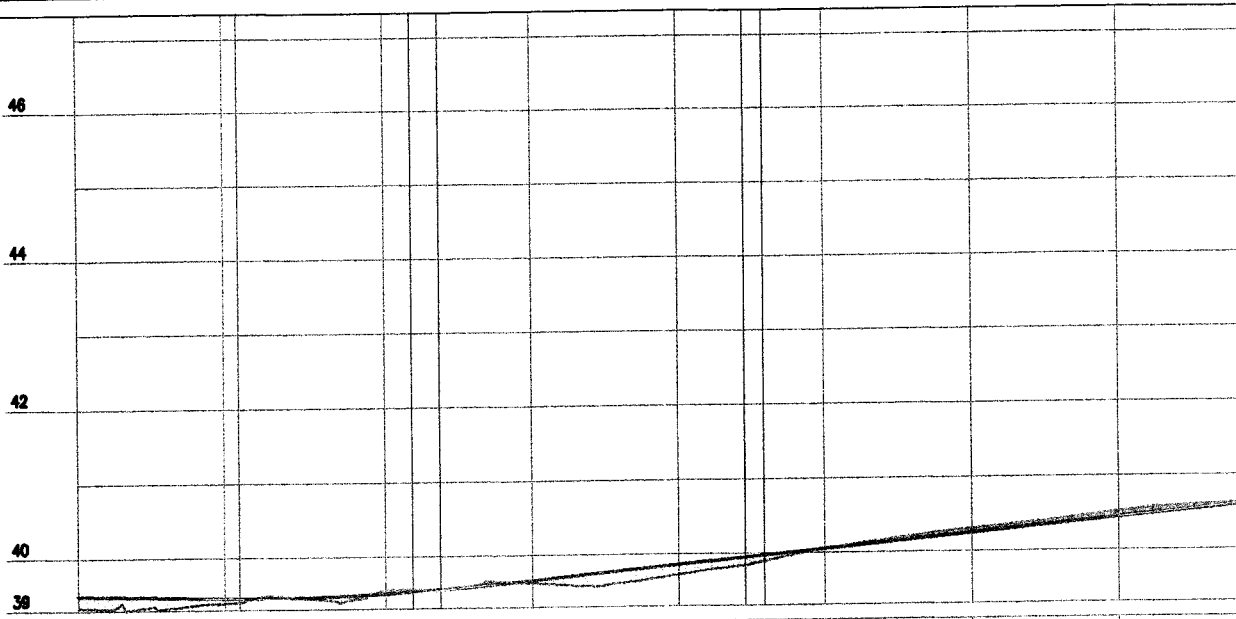


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,000	38,675	38,680	51
0,007	38,685	38,698	52
0,296	38,702	38,698	53
0,616	38,810	38,182	54
1,105	38,888	37,783	55
1,258	38,897	37,830	55+10,22
1,253	38,828	37,672	56
0,000	38,983	38,085	57
0,626	38,041	38,415	58
0,522	38,008	38,578	59

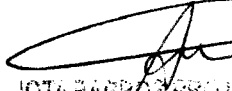
JOTA BARRA PRO.
 Arthur Moreira Ton
 Eng. CIV. CREA 5360

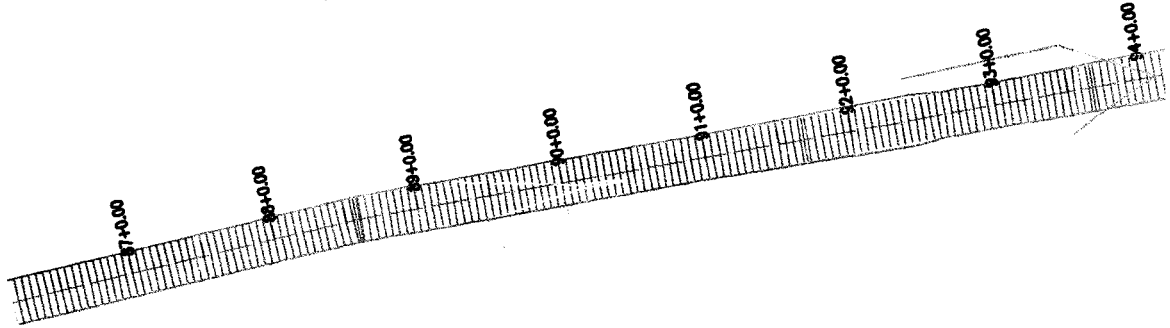
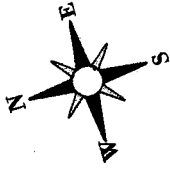


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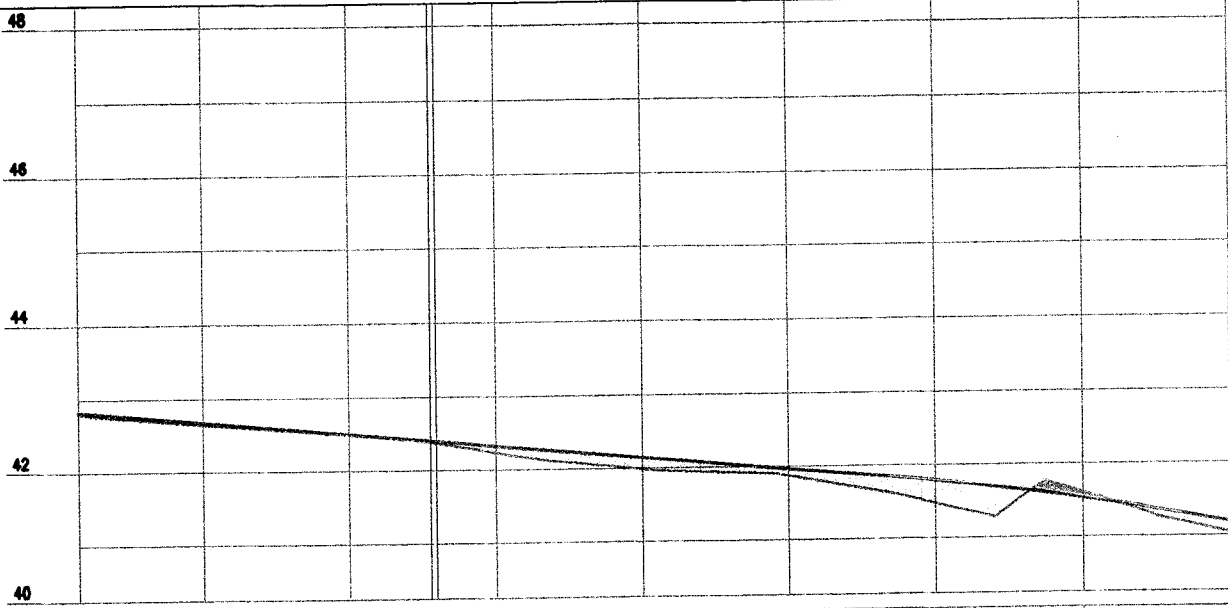


Coef. vertical	Coef. de transposição	Coef. de tarçamento	Estatos
0,126	39,400	39,540	69
0,085	39,455	39,595	69+10,00
0,080	39,464	39,565	70
-0,031	39,590	39,551	71
0,041	39,652	39,622	72
0,141	39,838	39,716	73
-0,027	40,025	40,022	74
-0,085	40,251	40,316	75
-0,077	40,447	40,534	76

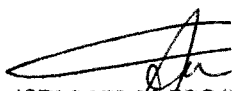

 JOTA BANKING PROJ
 Arthur Moreira Torquato
 Eng.º CIVIL - CREA 51001

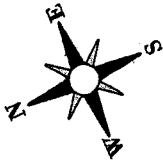


0 1000 2000

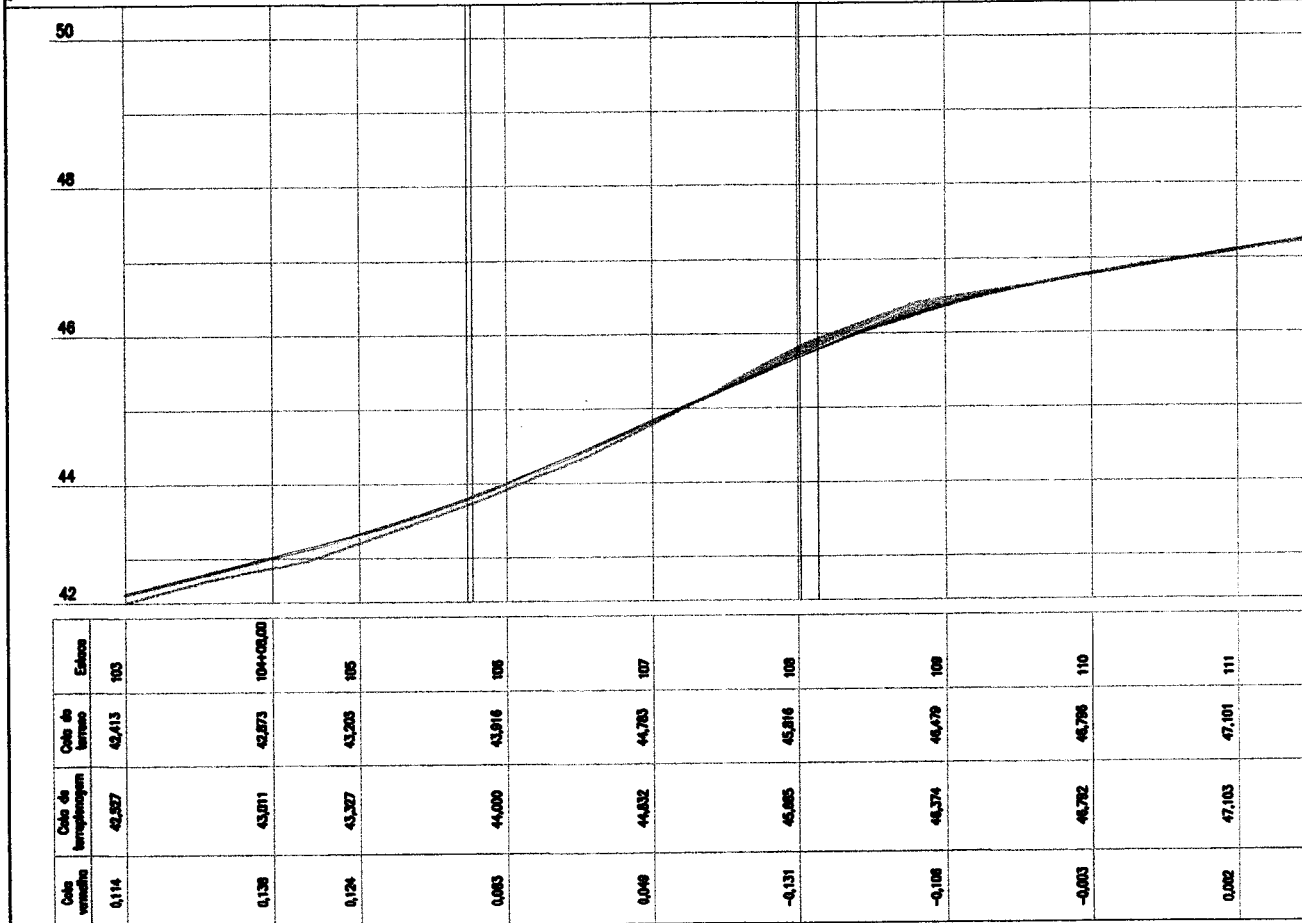
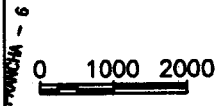
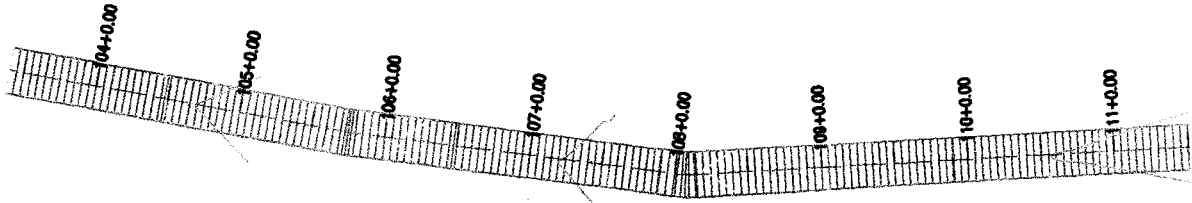


Coef. de variação	Coef. de terraplenagem	Coef. de terraplenagem	Estaca
0,021	42,830	42,898	86
0,032	42,878	42,917	87
0,085	42,502	42,987	88
0,081	42,325	42,234	89
0,156	42,148	41,980	90
0,077	41,570	41,574	91
0,312	41,708	41,478	92
-0,084	41,538	41,620	93
0,195	41,188	41,593	94

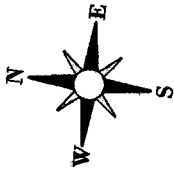

 JOTA BARRIOS-FRONS
 Arthur Moreira Torq
 Engº CIVIL / CREA 53008



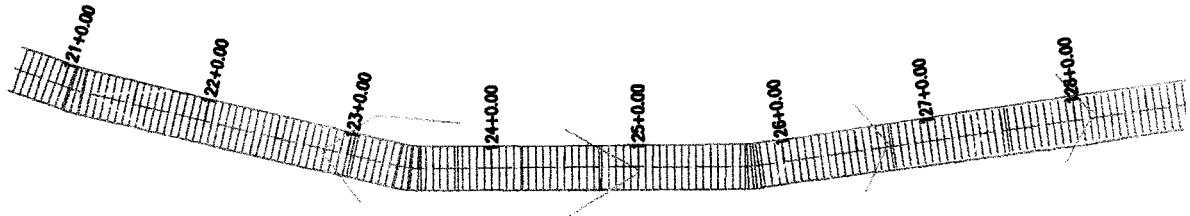
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 429
 [Signature]



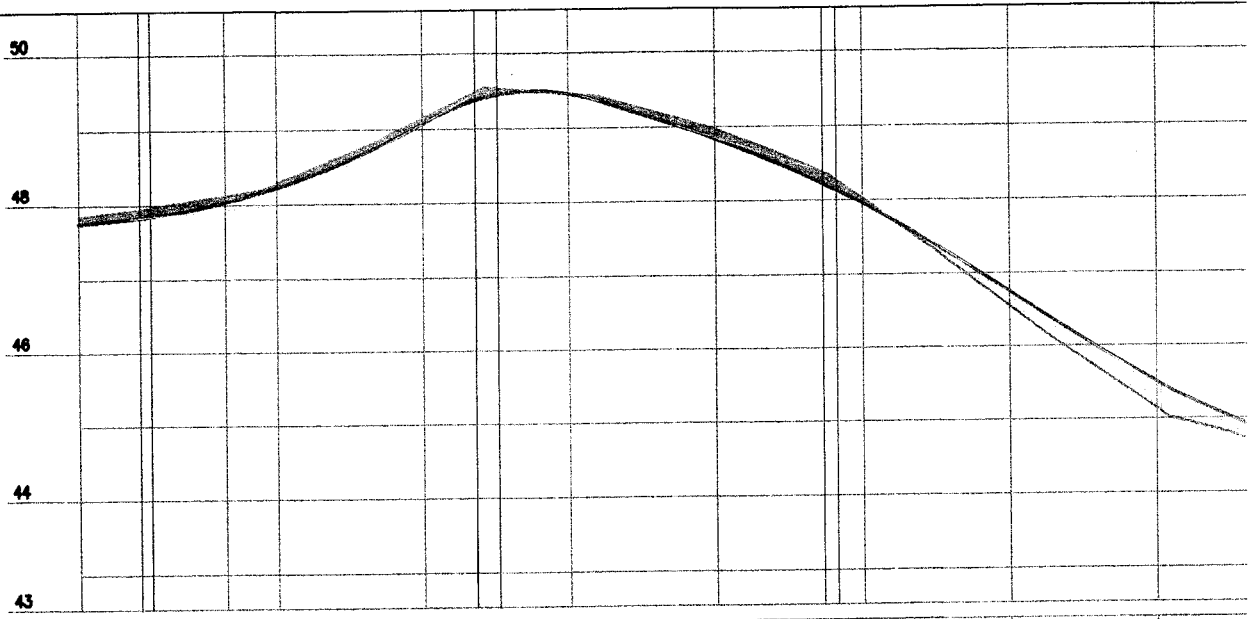
JOTA BARROS FROU
 Arthur Moreira Torq
 Eng.º Civil - CREA 53600



COMISSÃO PERMANENTE DE LICITAÇÃO
Folha 430
D

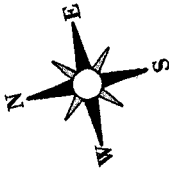


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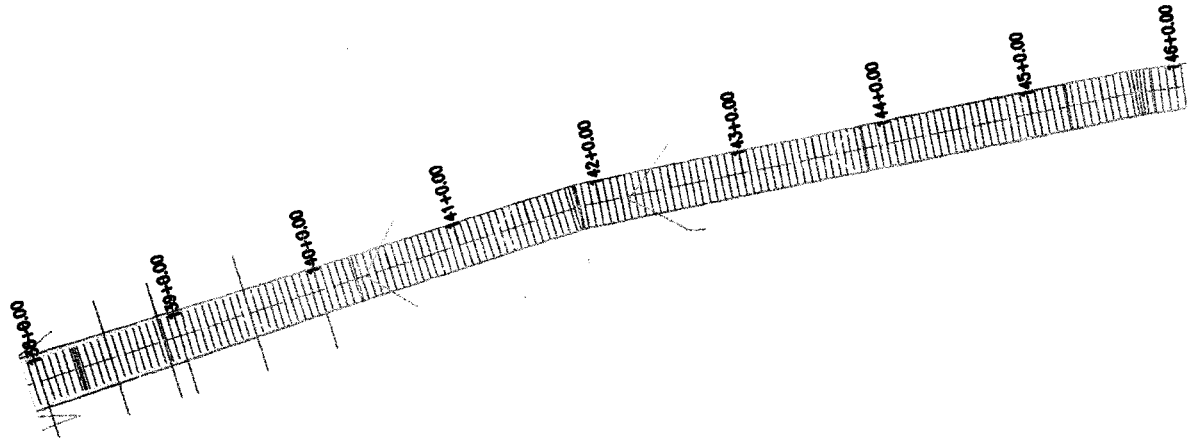


Cota vertical	Cota de terraplenagem	Cota de terreno	Estatos
-0,088	47,782	47,870	120
-0,060	48,033	48,123	121+13,00
-0,091	48,225	48,298	122
-0,074	48,075	48,150	123
0,002	48,467	48,464	124
-0,132	48,947	48,979	125
-0,088	47,988	48,028	126
0,200	44,764	44,964	127
0,368	45,510	45,143	128

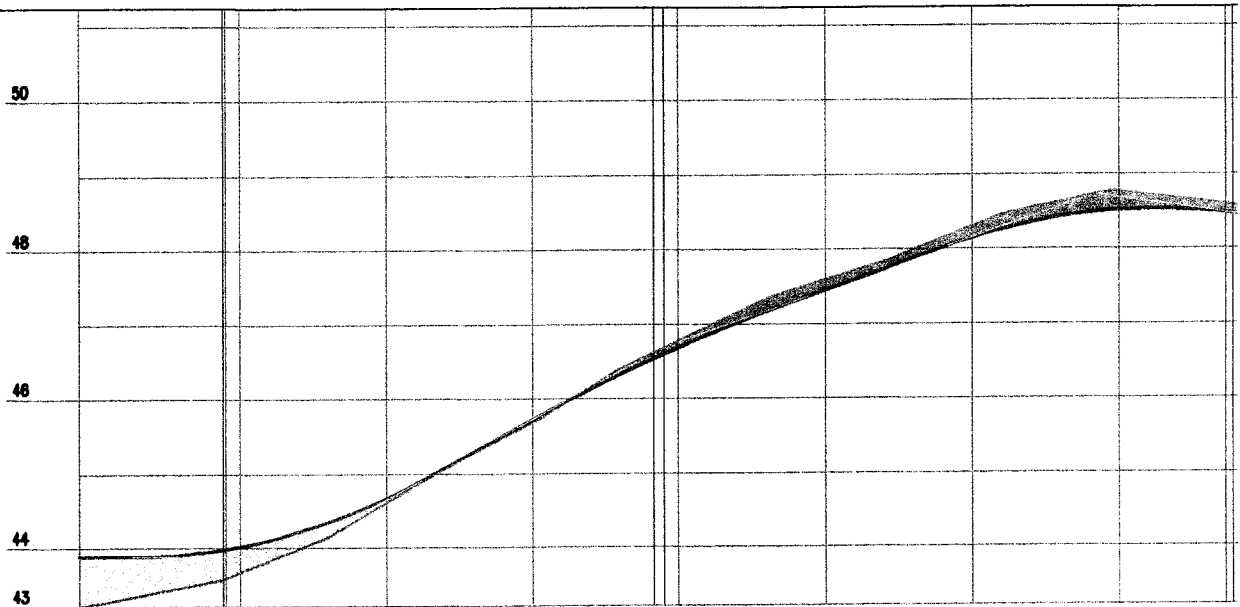
JOTA BAYRÃO PER
Arthur Aguiar Te
ENRº CIM - CREA 536




COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 431

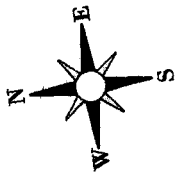


0 1000 2000

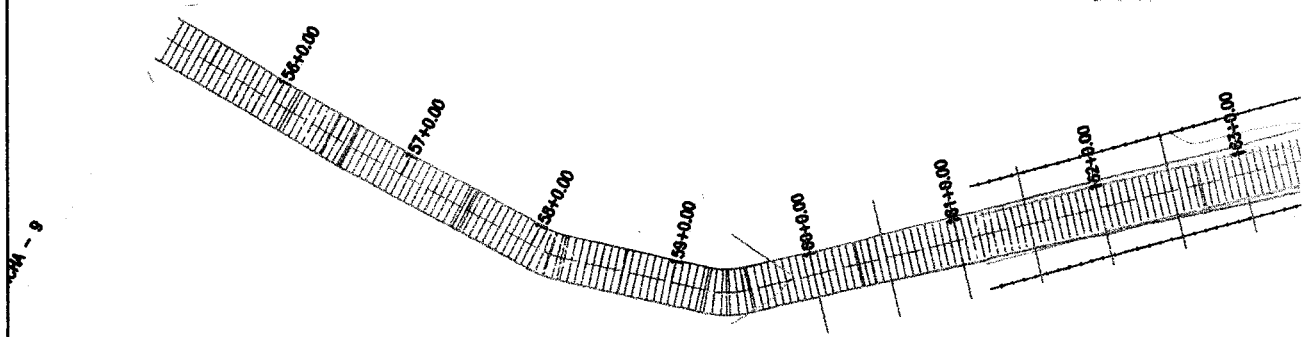


Cota vertical	Cota de implantação	Cota de terreno	Estatos
0,004	43,085	43,203	137
0,003	43,085	43,083	138+18,00
0,008	44,002	43,083	138
0,007	44,078	44,011	140
0,004	45,727	45,685	141
-0,009	46,085	46,784	142
-0,144	47,498	47,802	143
-0,184	48,151	48,314	144
-0,254	48,505	48,778	145

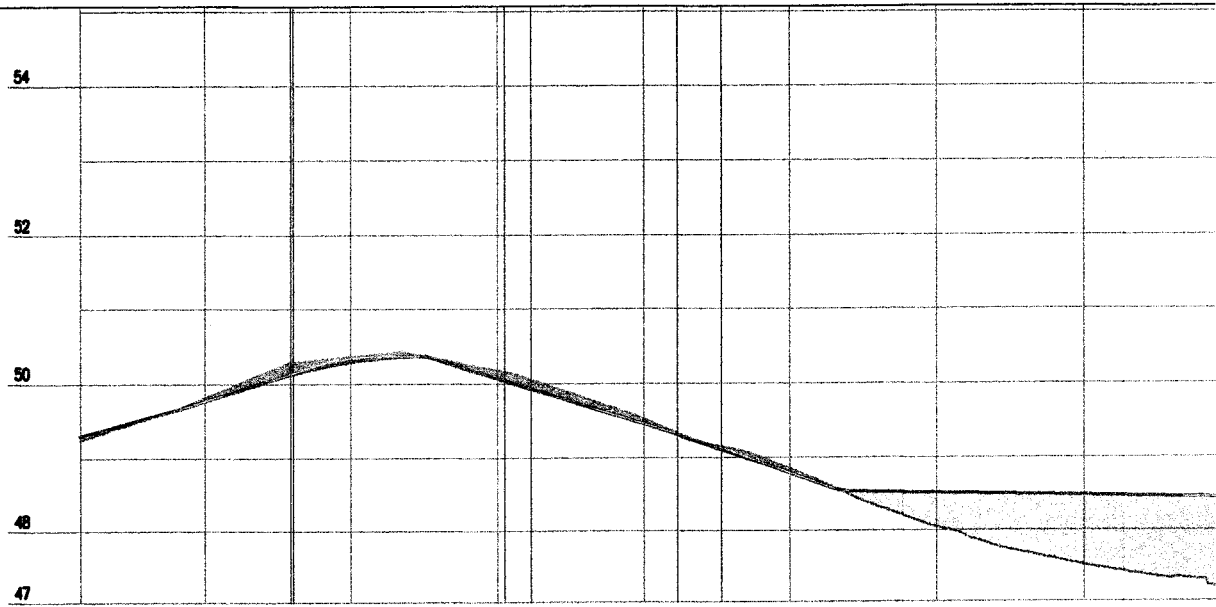

 JOTA BANKING PROJECT
 Arthur Moreira Torquato
 Eng. CIVIL - CREA 51000



COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 432

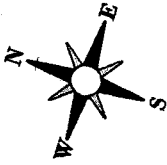


0 1000 2000

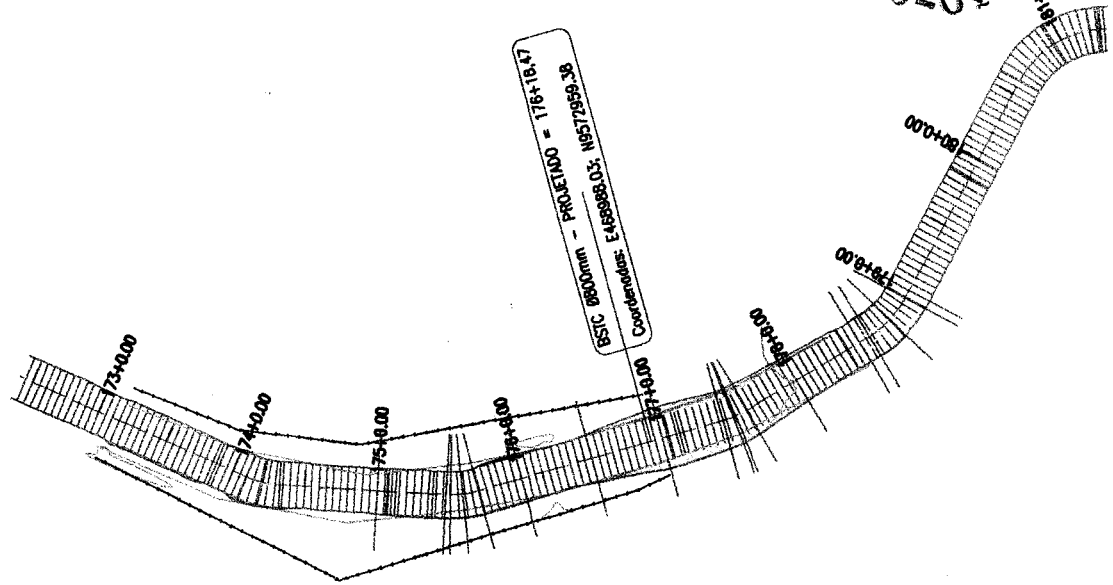


Cota vertical	Cota de terraplenagem	Cota de terreno	Estatos
0,056	48,306	48,250	155
-0,047	48,773	48,820	156
-0,088	50,298	50,387	157
-0,112	50,070	50,182	158
-0,087	48,482	48,528	159
-0,088	48,796	48,854	160
0,474	48,521	48,047	161
0,086	48,488	47,834	162

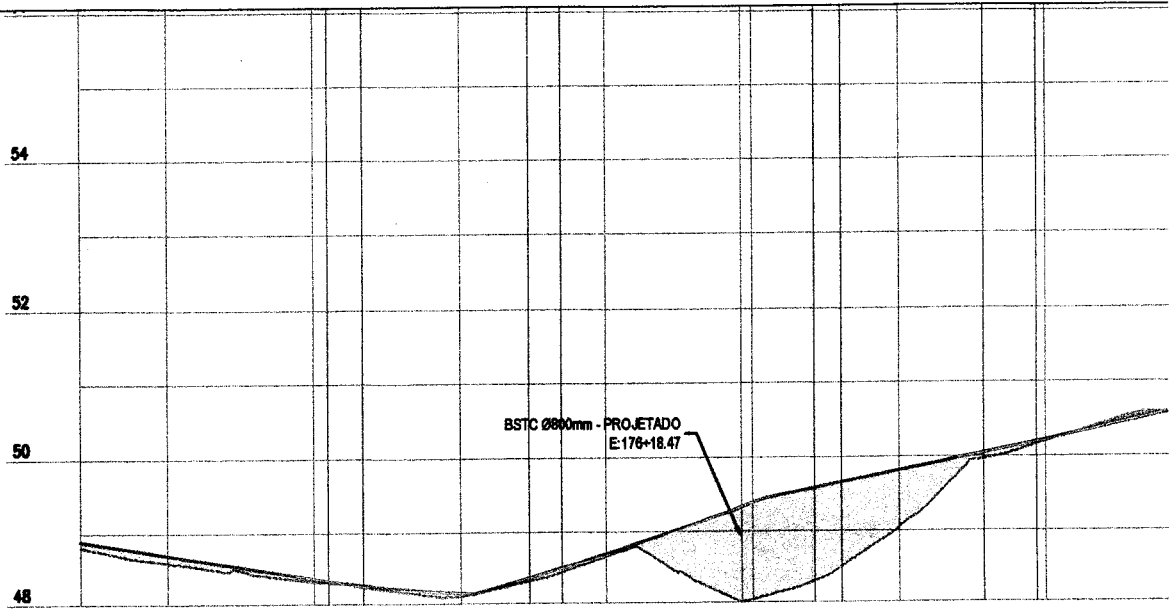
[Handwritten Signature]
 SOTA BARRAGEM PROJ.
 Arthur Jorge da TORQU
 CMA - CREA 51600



COMISSÃO PERMANENTE DE LICITAÇÃO -
 Folha 433

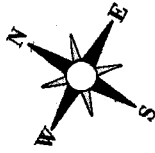


0 1000 2000

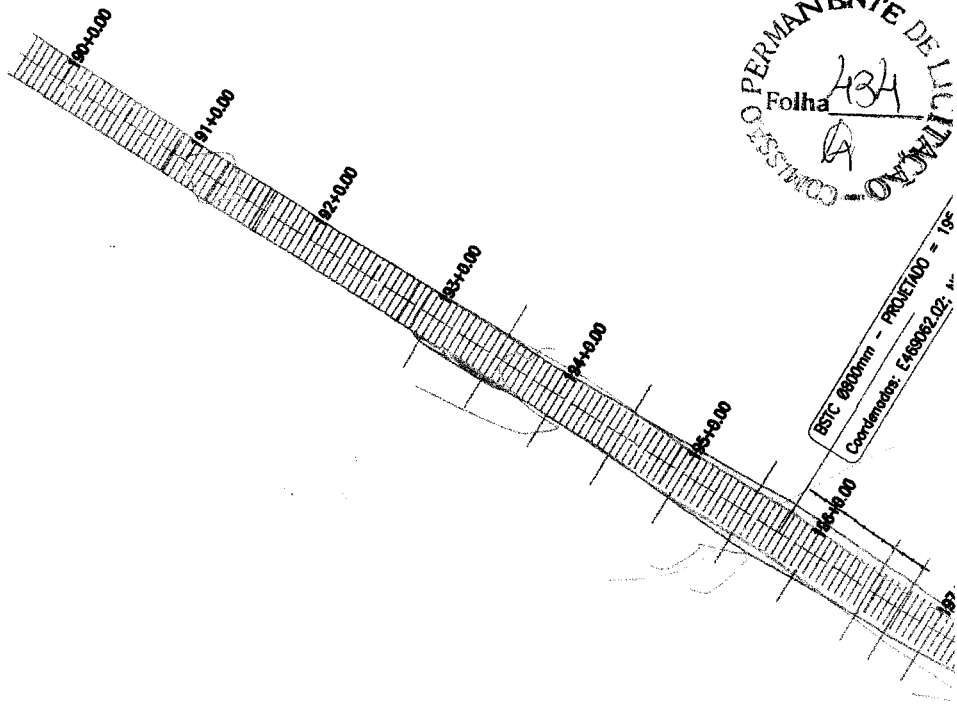


Cota vertical	Cota de Interpolagem	Cota de terreno	Estatos
0,006	48,000	48,810	172
0,185	48,782	48,587	173
0,044	48,379	48,335	174
0,055	48,175	48,128	175
0,045	48,703	48,629	176
1,333	48,328	48,972	176+18,47 177
0,773	48,620	48,047	178
0,208	48,221	48,183	179

JOTA BARROS PROJEN
 Arthur Moreira Torquato
 Engº CIVIL - CREA 536030 - RJ

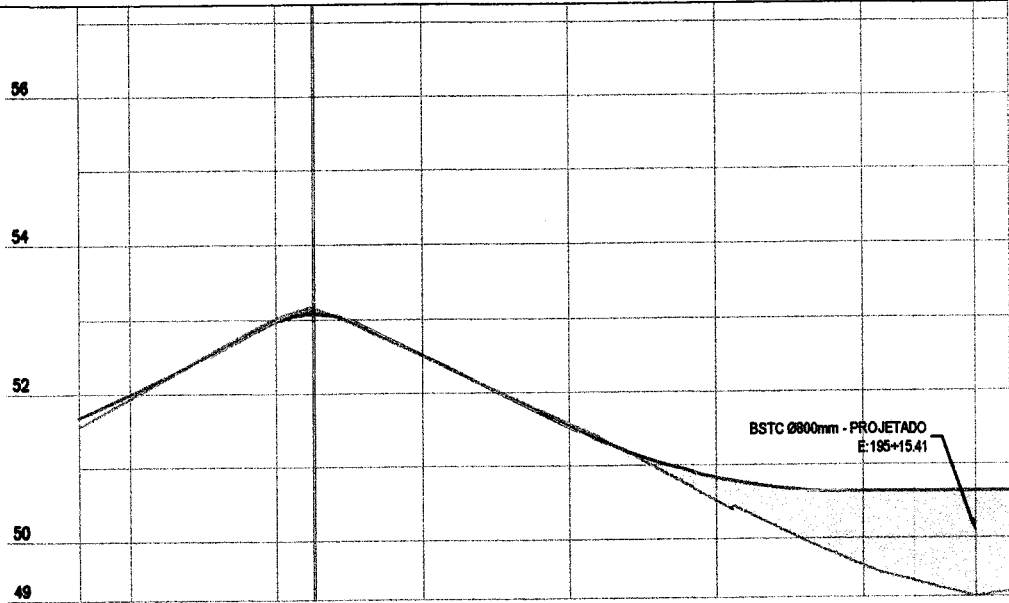


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 434
 A



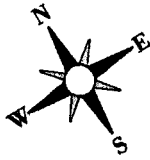
CM - 11

0 1000 2000

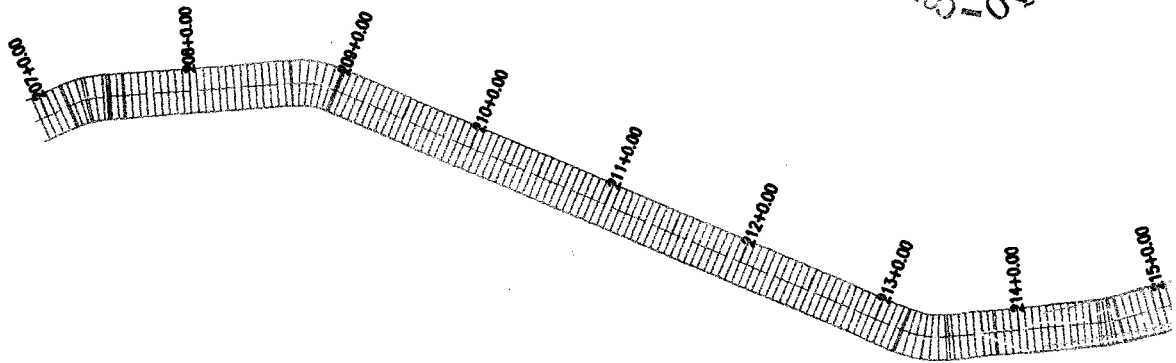


Cota vertical	Cota de interseção	Cota de terreno	Estatos
0,119	51,575	51,525	189
0,059	51,590	51,531	190
-0,045	52,575	53,021	191
0,014	52,515	52,501	192
-0,025	51,527	51,502	193
0,315	50,535	50,520	194
1,003	50,537	49,535	195
1,534	50,537	48,203	195+15,41
1,395	50,537	48,270	196

JOTA BARROS PROJ.
 Arthur Moreira Torquato
 Eng. CIVIL - CREA 55000

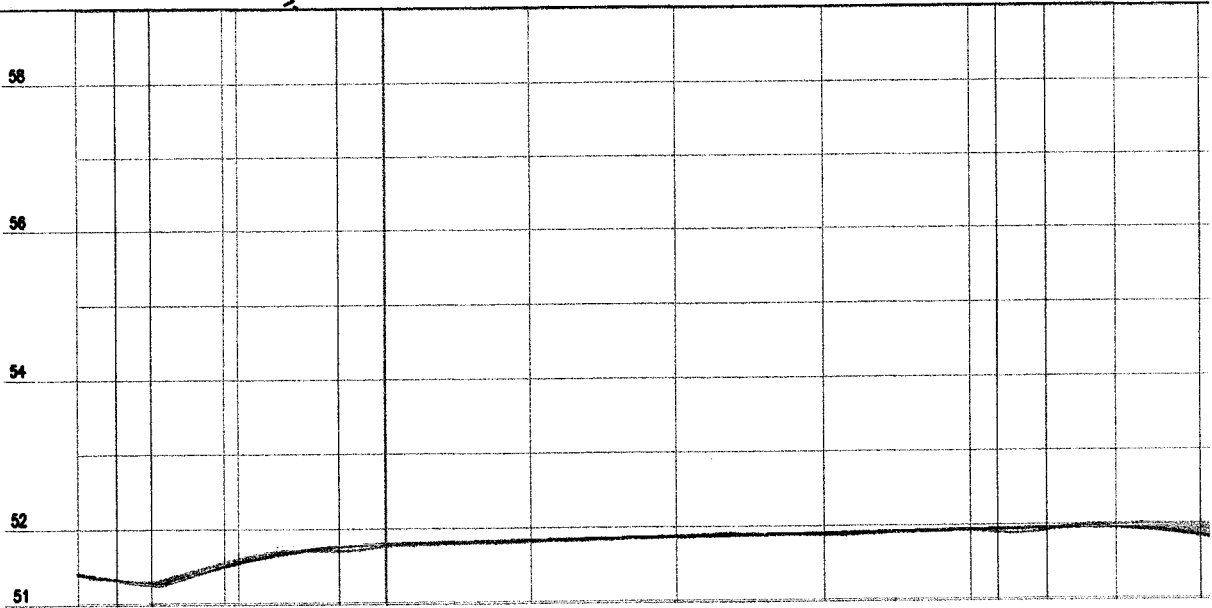


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 435
 A



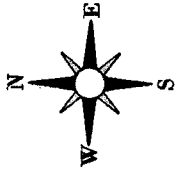
0 1000 2000

PROVA - 1

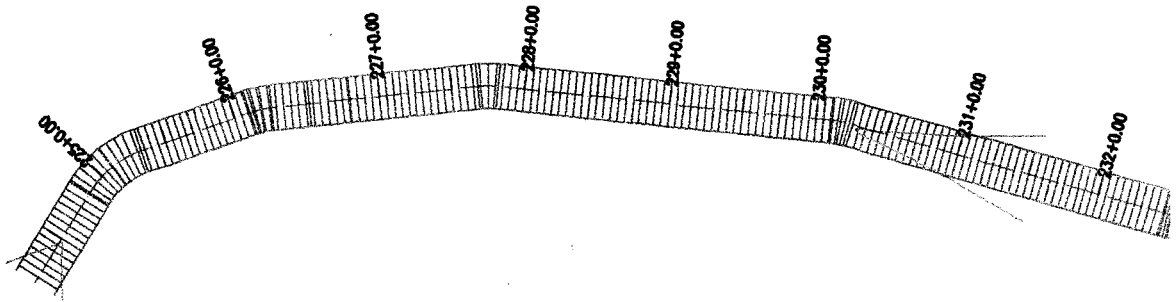


Cota vertical	Cota de Interseção	Cota de terreno	Estatos
-0,000	51,404	51,412	208
-0,002	51,503	51,505	207+0,00
-0,000	51,502	51,507	209
0,001	51,706	51,707	209
0,000	51,004	51,013	210
-0,013	51,070	51,083	211
0,002	51,006	51,073	212
0,010	51,042	51,031	213
-0,043	51,004	52,007	214

JOTA BARRA PR
 Arthur Moreira TC
 Engº CIVIL - CREA 516

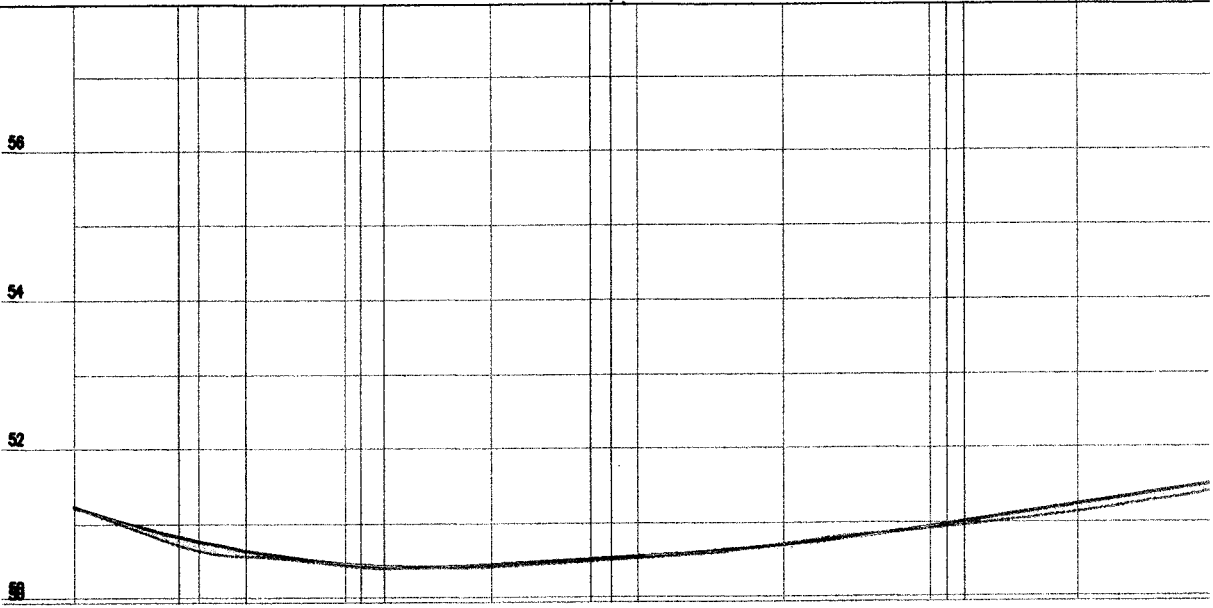


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 436
 9



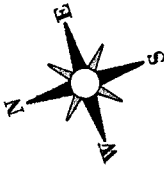
0 1000 2000

PRINCHA

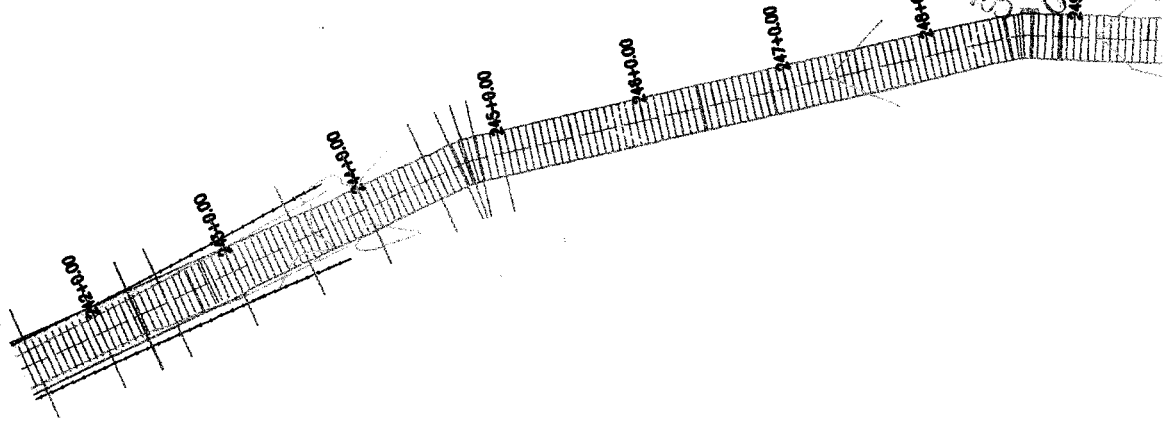


Cota vertical	Cota de interseção	Cota de terreno	Estaca
-0,001	51,232	51,233	224
0,133	50,775	50,641	225
0,033	50,468	50,436	226
0,041	50,454	50,414	227
0,031	50,556	50,526	228
-0,017	50,704	50,721	229
0,023	50,845	50,821	230
0,107	51,238	51,131	231

JOIA BARRIS PRC
 Arthur Moreira Toi
 Engº CIVIL - CREA 5366

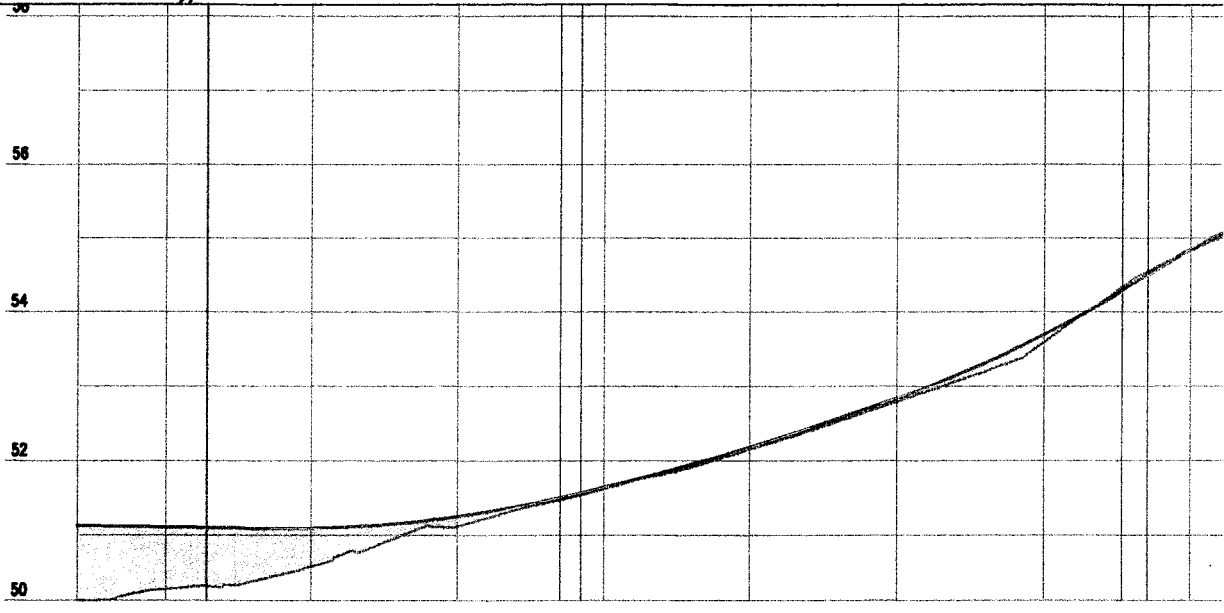


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 439
 A



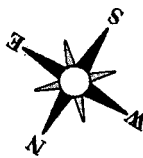
0 1000 2000

PRIMA

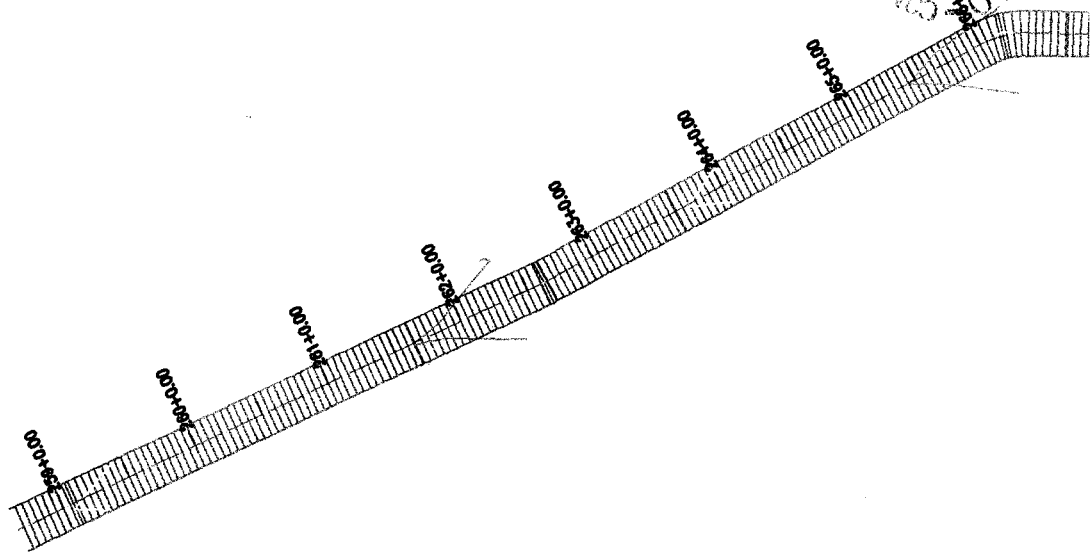


Cota vertical	Cota de Interpolagem	Cota de terreno	Estatos
1,010	51,120	50,119	241
0,844	51,114	50,270	242
0,524	51,088	50,574	243
0,138	51,288	51,119	244
0,023	51,648	51,020	245
0,037	52,188	52,152	246
0,051	52,841	52,780	247
0,187	53,684	53,586	248
0,025	54,854	54,820	249

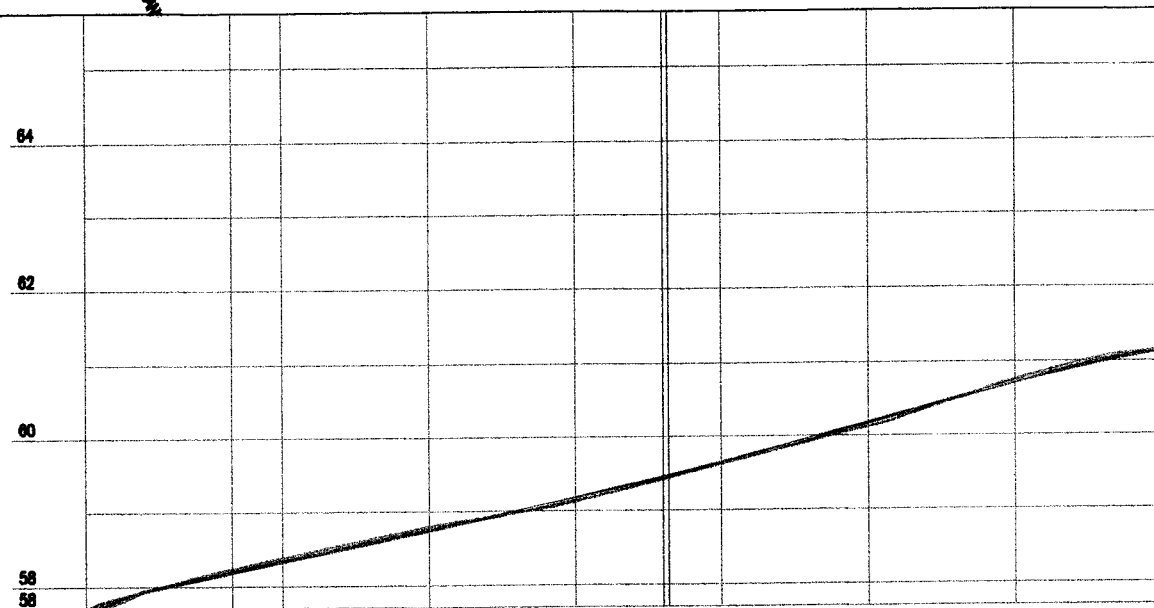
JOTA BARROSO PROJ.
 Arthur Moreira Torquato
 Engº CIVIL - CREA 53000



COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 438

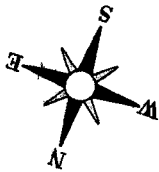


0 1000 2000

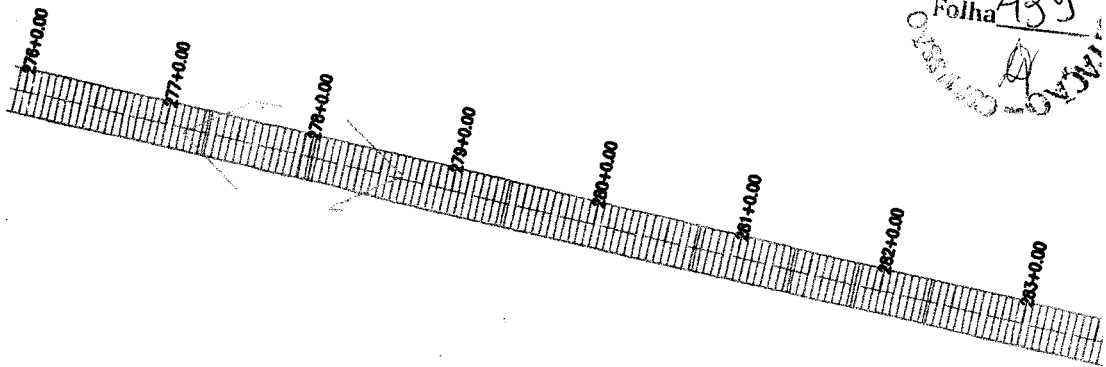


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,002	57,819	57,701	258
-0,048	58,154	58,243	259+13,00
-0,054	58,339	58,392	260
-0,046	58,752	58,802	261
0,046	59,170	59,154	262
0,005	59,842	59,816	263
0,026	60,178	60,118	264
-0,040	60,717	60,757	265
0,005	61,149	61,143	266

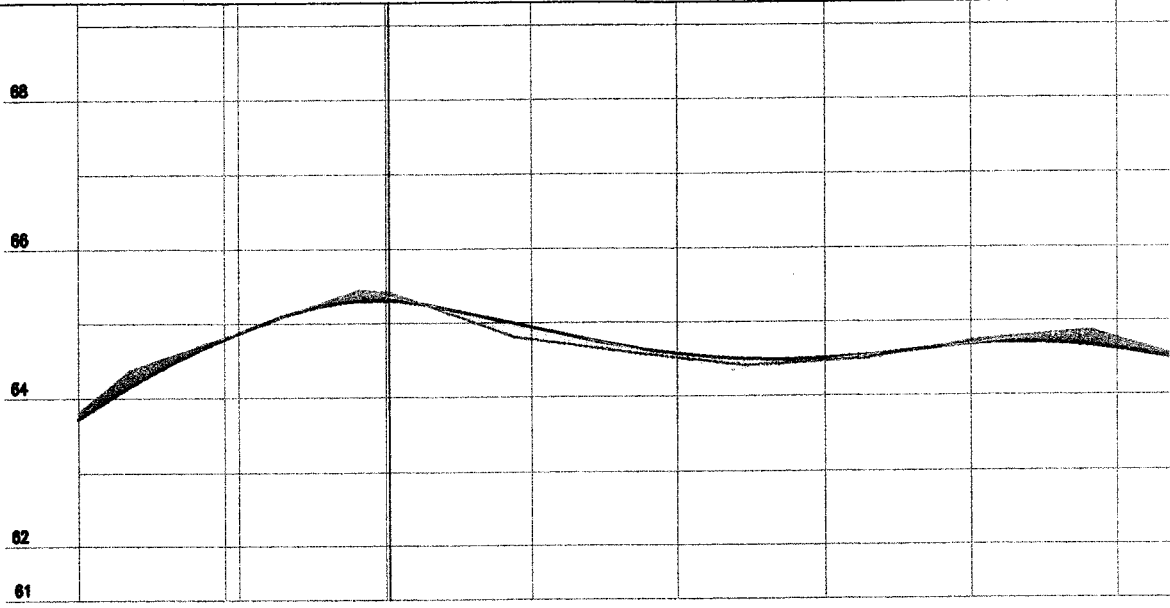
JOTA BARRA PROJ
 Arthur Moreira Torq
 Engº Civil / CREA 53500



CONSELHO PERMANENTE DE
Folha 439

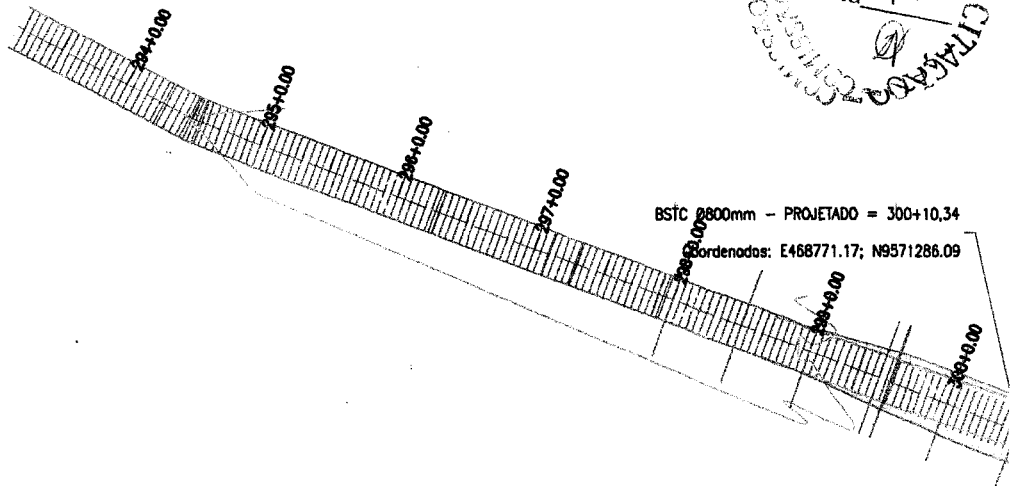
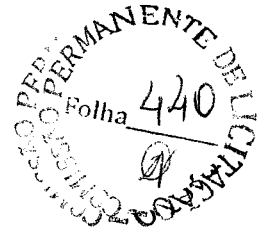
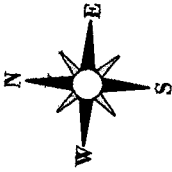


PROVA - 16
1000 2000



Outa vertical	Clas de horizontal	Clas de vertice	Estaca
-0,078	63,734	63,812	276
-0,021 -0,007	64,708 64,378	64,817 64,385	276+10,00 277
-0,119	65,313	65,428	278
0,170	64,946	64,778	278
0,081	64,588	64,520	280
0,042	64,510	64,488	281
-0,048	64,583	64,728	282
-0,146	64,823	64,788	283

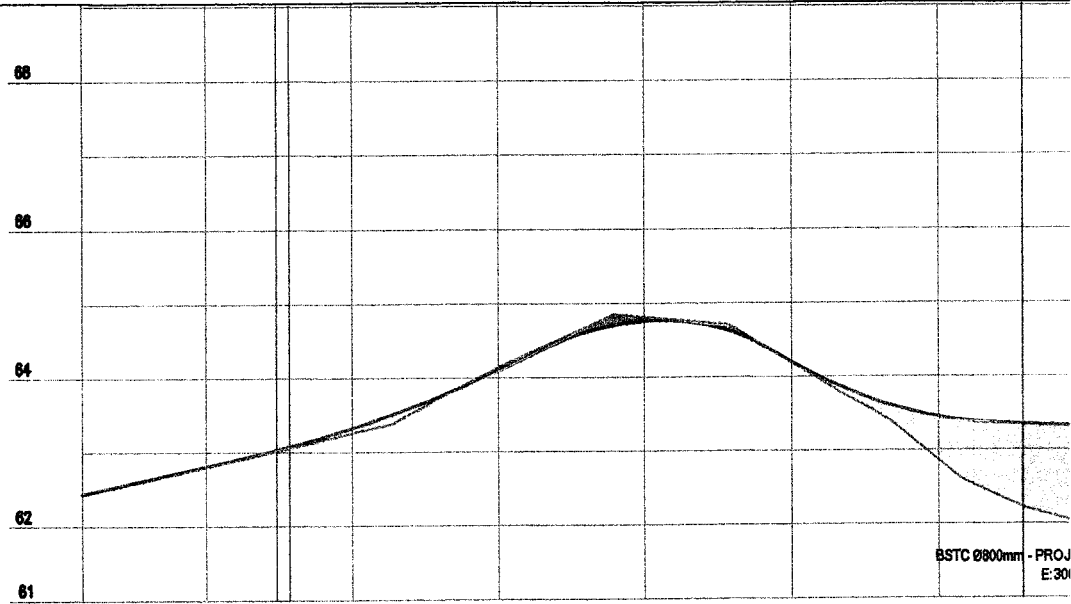
JOTA BARROS PRO.
Arthur Moreira TOR
Engº CIVIL - CREA 53001



BSTC Ø800mm - PROJETADO = 300+10.34
 Coordenadas: E468771.17; N9571286.09

17

0 1000 2000

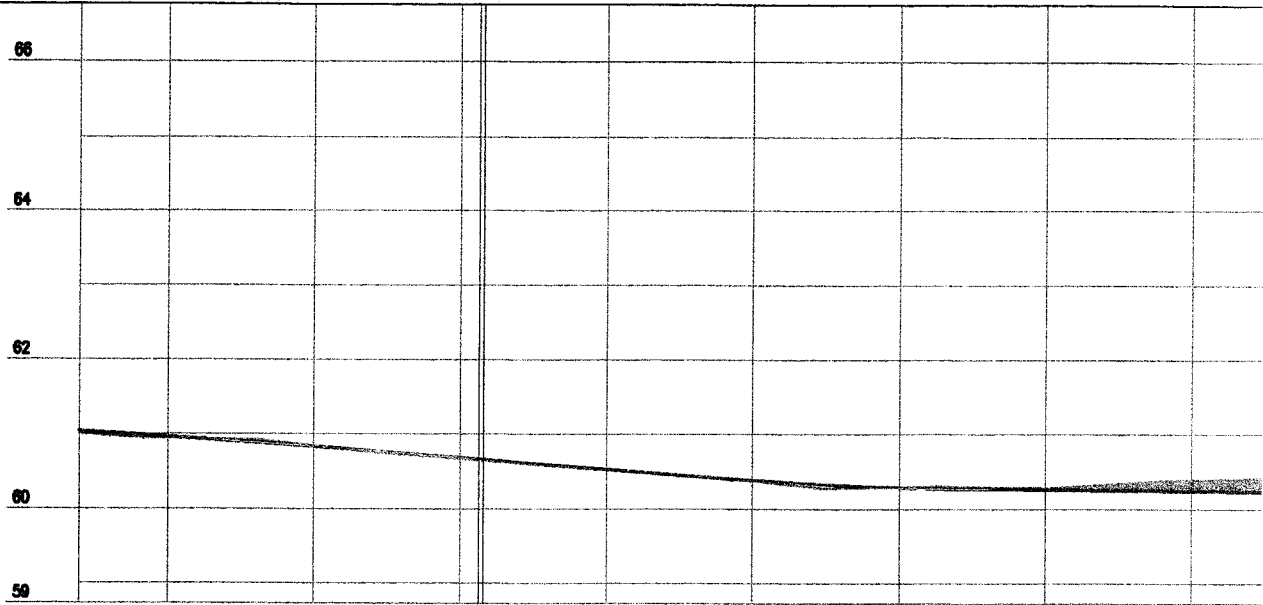
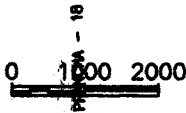
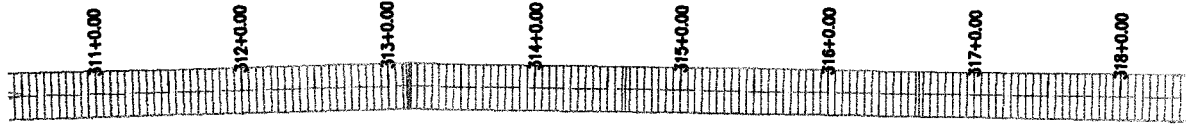


Quota vertical	Quota de implantação	Quota de terreno	Estatos
-0,016	62,439	62,455	293
0,000	62,518	62,508	294
0,072	63,332	63,260	295
-0,050	64,057	64,107	296
-0,058	64,765	64,824	297
0,012	64,309	64,197	298
0,587	63,455	62,868	299

JOTA BARRAL PROJ
 Arthur Moreira TOR
 Engº Civil - CREA 5306

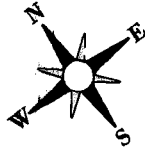


COMISSÃO PERMANENTE
Folha 241
ICTIACRO - OBTIULI

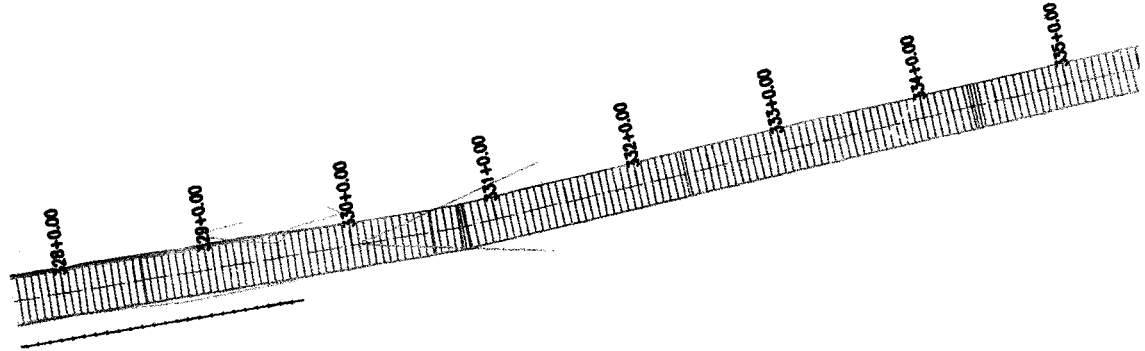


Cota vertical	Cota de terraplenagem	Cota de base	Estatos
0,040	61,045	61,094	310
0,025	60,967	60,942	311
-0,014	60,833	60,847	312
0,014	60,887	60,873	313
-0,001	60,834	60,835	314
0,000	60,306	60,377	315
-0,000	60,282	60,301	316
-0,031	60,281	60,282	317
-0,150	60,242	60,392	318

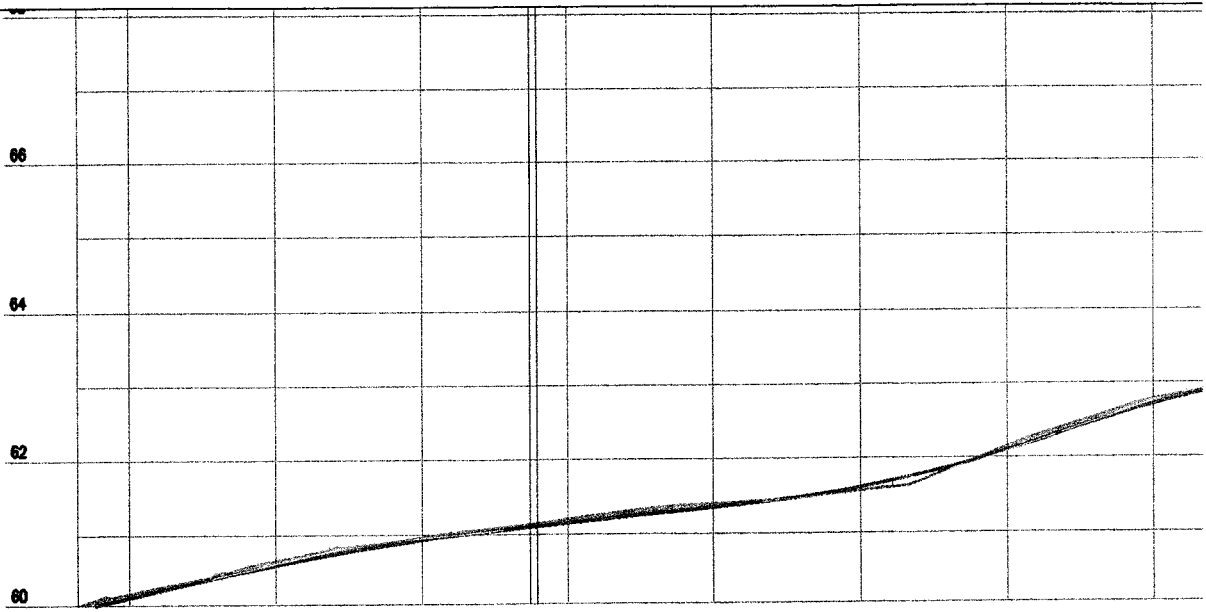
JOTA BARROS FOLHA
Arthur Marcelo Tomaz
Engº CMI - CREA 53000



COMISSÃO PERMANENTE
 Folha 442
 TAJAIO - COMISSÃO PERMANENTE

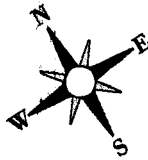


0 1000 2000

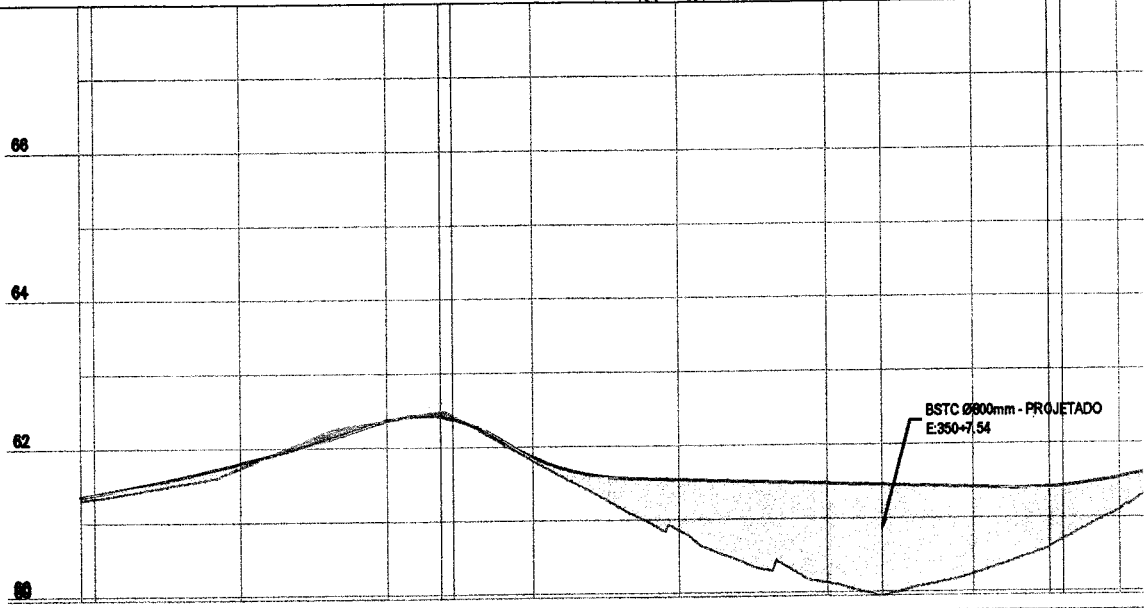
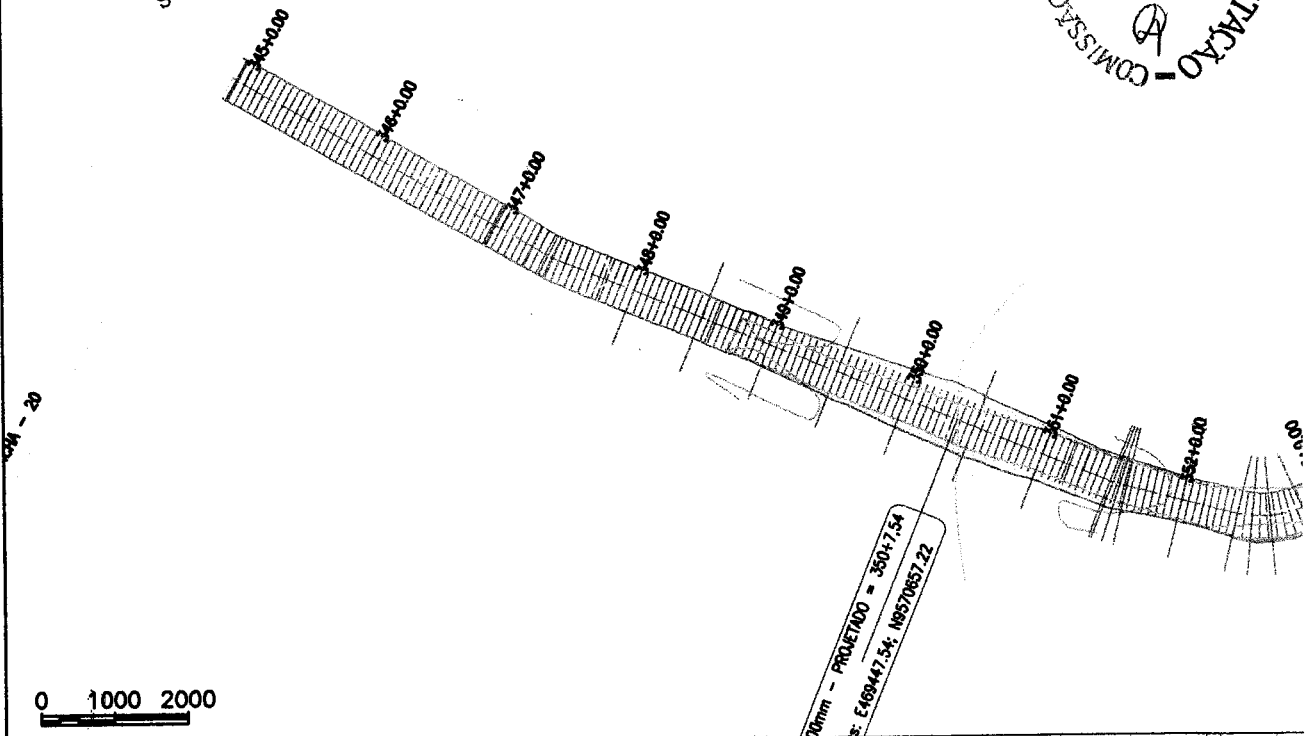


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,057	61,064	61,061	327
-0,061	61,160	61,211	328
-0,066	61,264	61,360	329
-0,073	61,326	61,398	330
-0,066	61,150	61,206	331
-0,061	61,254	61,405	332
0,064	61,611	61,598	333
-0,060	62,009	62,149	334
-0,070	62,207	62,277	335

JOTA BARROS PRC
 Arthur M. Costa Ta
 Engº Civil CREA 530

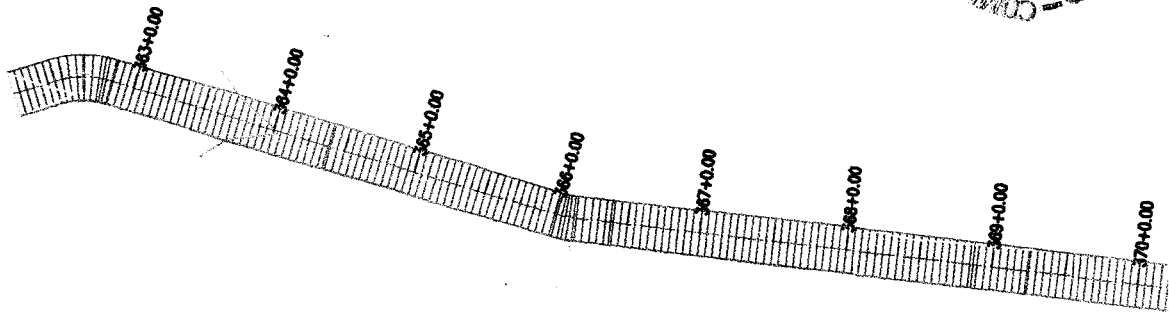
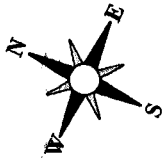


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 443
 A

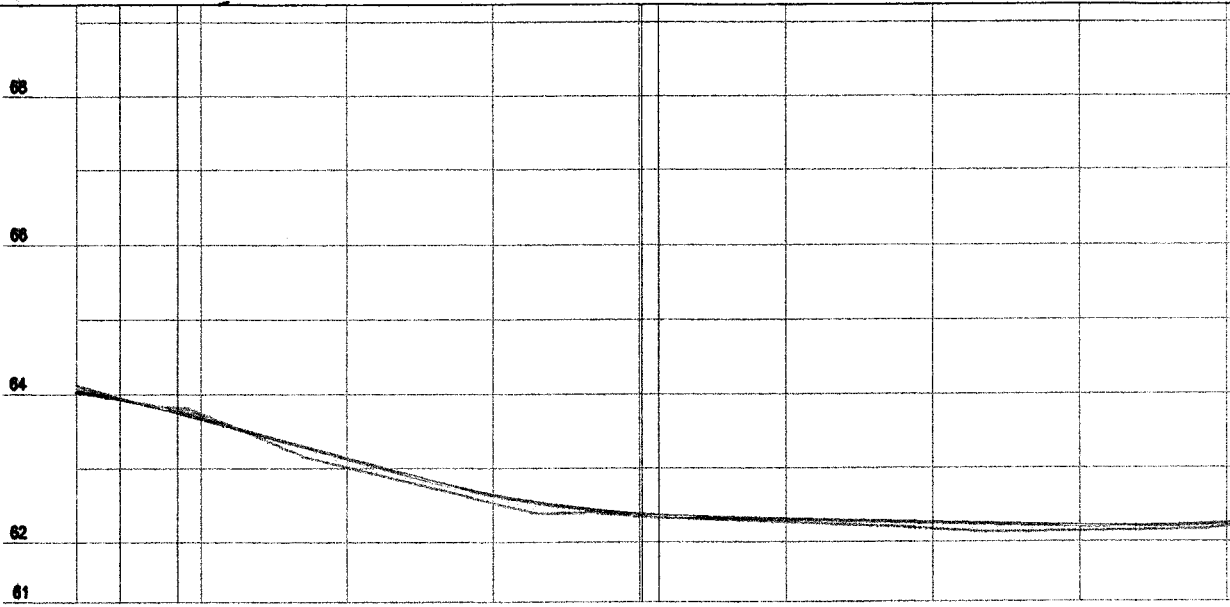


Cota vertical	Cota de interseção	Cota de terreno	Estatos
0,006	61,305	61,309	344
0,005	61,308	61,331	345
0,002	61,302	61,740	346
-0,002	62,371	62,373	347
0,050	61,085	61,015	348
0,008	61,547	60,040	349
1,309	61,462	60,123	350
1,513	61,498	60,945	350+7,54
1,102	61,417	60,225	351
0,443	61,540	61,096	352

JOTA BARRAL PRO
 Arthur Moreira Ton
 Engº CIVIL - CREA 5550

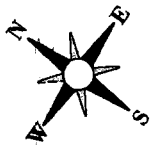


0 1000 2000

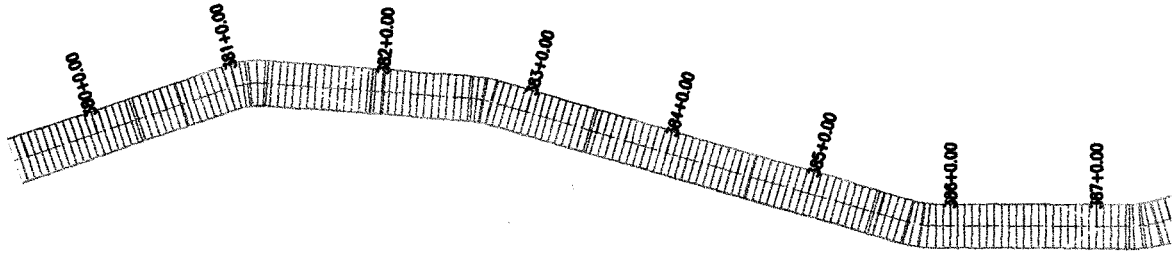


Cota vertical	Cota de Interseção	Cota de terreno	Estaca
-0,000	64,030	64,128	362
-0,002	63,671	63,794	363
0,122	63,133	63,611	364
0,113	62,641	62,520	365
0,097	62,375	62,346	366
0,041	62,208	62,208	367
0,007	62,200	62,173	368
0,073	62,512	62,130	369
0,042	62,248	62,204	370

JOTA BARRAOS PRO
 Arthur Moreira Toi
 Eng Civil - CREA 5304

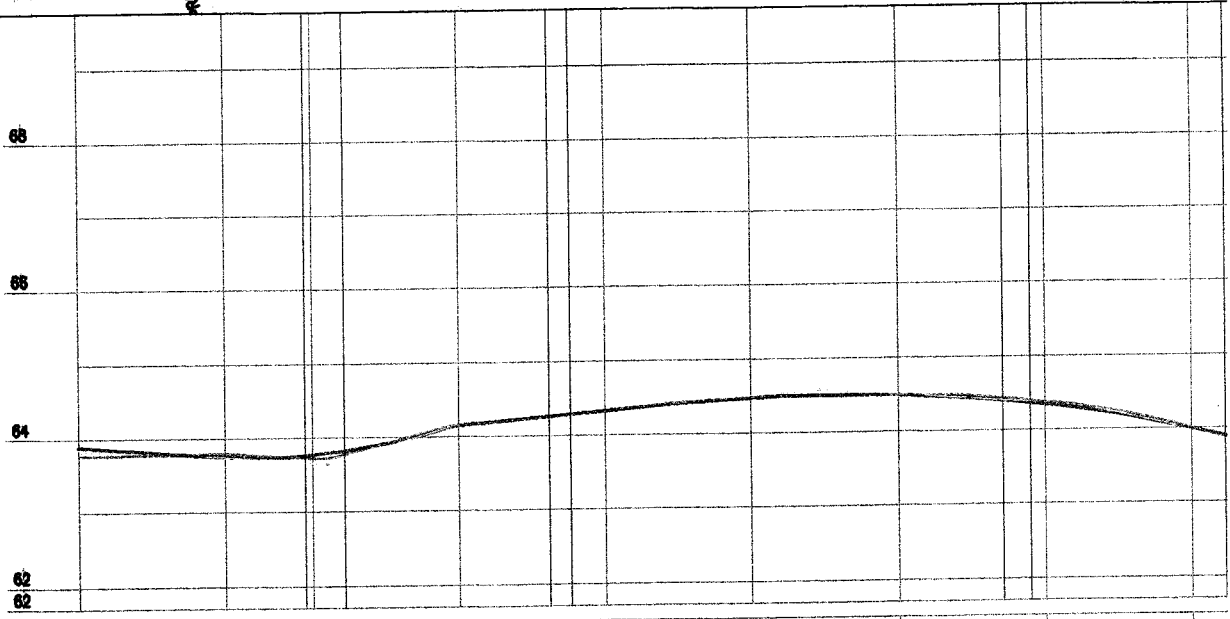


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 445



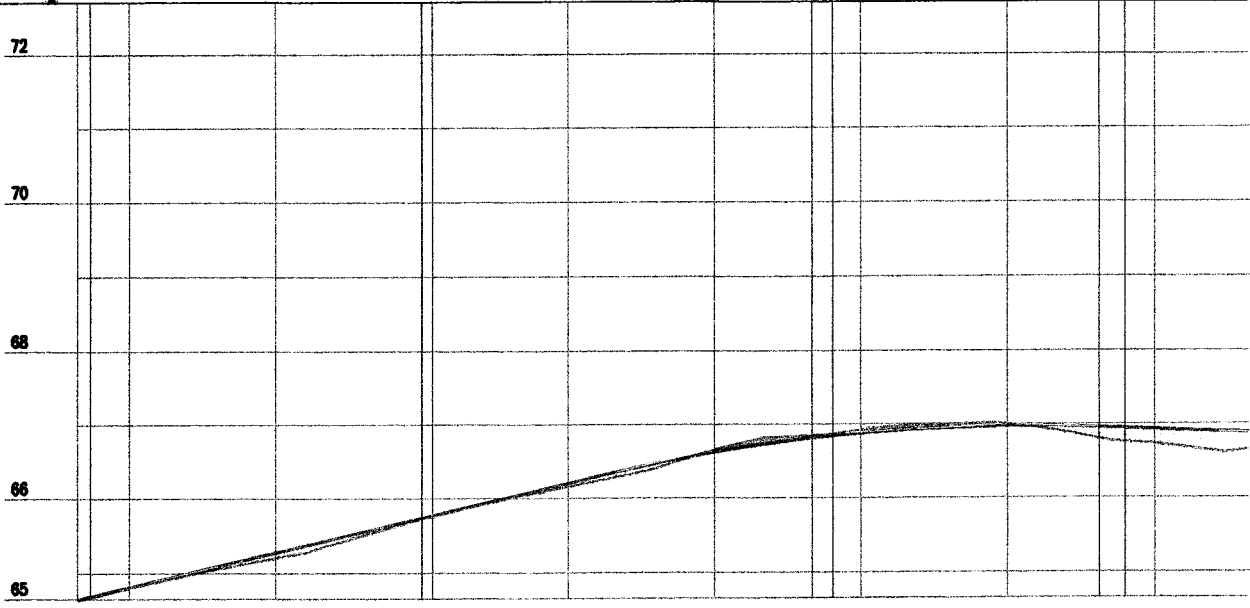
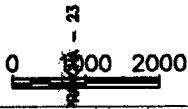
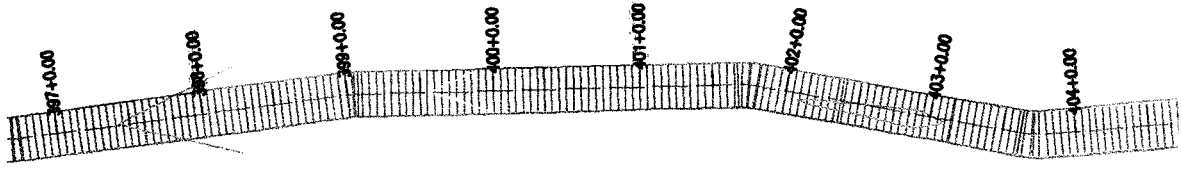
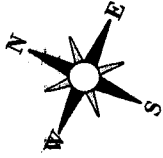
0 1000 2000

PROVA - 22




Cota vertical	Cota de levantamento	Cota de terreno	Estatos
0.128	63,698	63,772	379
-0,056	63,752	63,696	380+08,00
0,052	63,776	63,724	391
0,000	64,101	64,101	392
0,000	64,332	64,333	393
0,000	64,462	64,461	394
0,004	64,665	64,661	395
-0,037	64,351	64,388	396
-0,011	64,001	64,012	397

JOTA BARROSO
 Arthur Moreira
 Eng.º CIV. - CREA

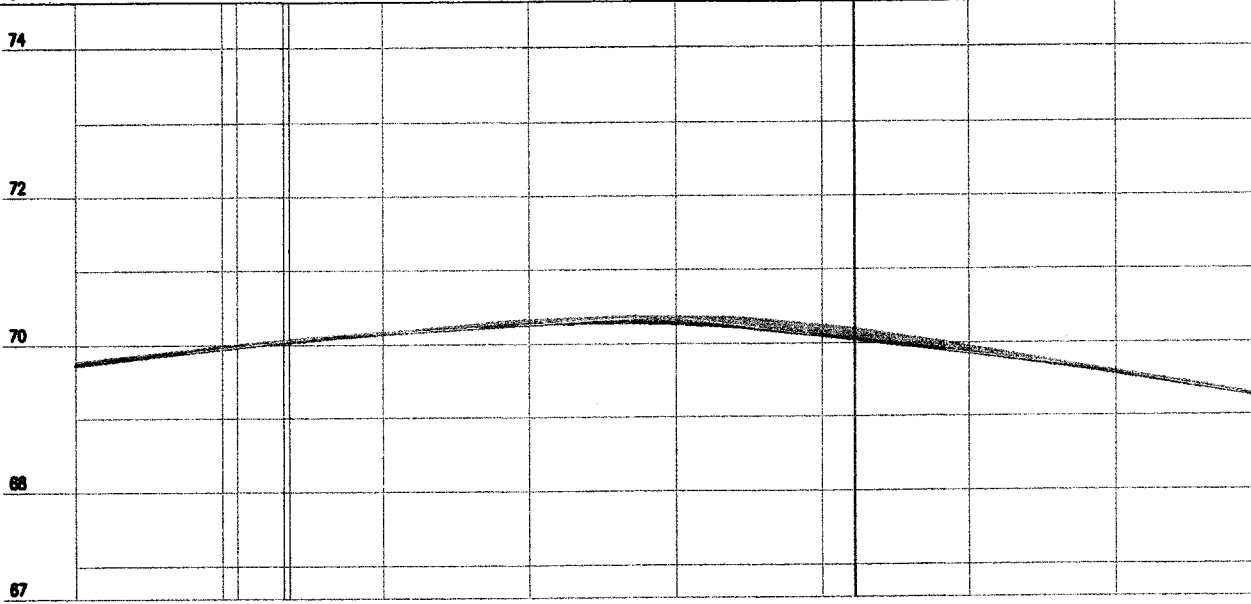
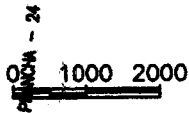
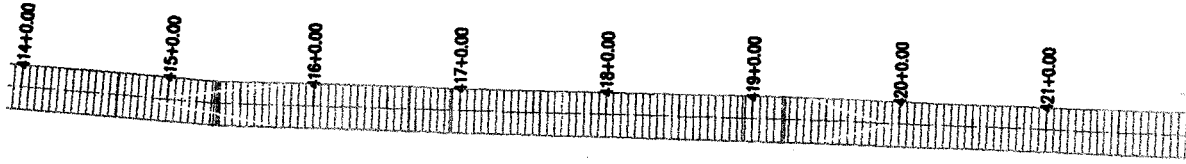


Calda vertical	Calda de transição	Calda de arranque	Estatos
-0,005	64,825	64,880	396
0,011	64,919	64,908	397
0,076	65,382	65,295	398
0,074	65,741	65,728	399
0,047	66,201	66,184	400
-0,028	66,623	66,648	401
-0,046	66,880	66,825	402
-0,031	66,972	67,004	403
0,200	66,931	66,730	404


 JOTA BARROS VIEIRA
 Arthur Machado T.
 Engº CIVIL - CREA 53

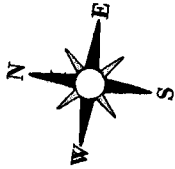


COMISSÃO PERMANENTE DE LICITAÇÃO
Folha 447

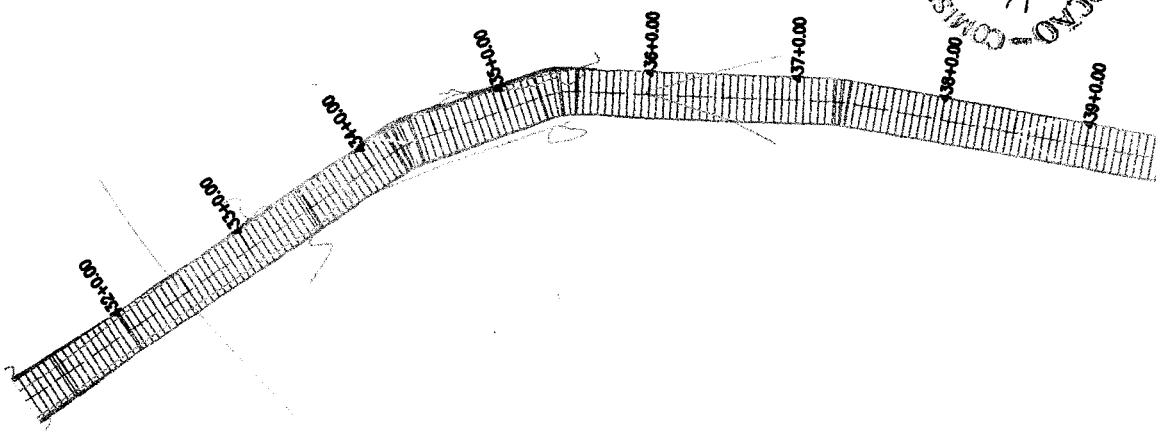


Cota vertical	Cota de terraplenagem	Cota de terreno	Estatos
-0.039	68.739	68.774	413
-0.032	68.954	68.987	414+18.00
-0.033	68.975	70.006	415
-0.022	70.147	70.169	416
-0.064	70.366	70.399	417
-0.090	70.573	70.594	418
-0.138	70.107	70.245	419
-0.083	68.983	68.957	420
-0.026	68.585	68.611	421

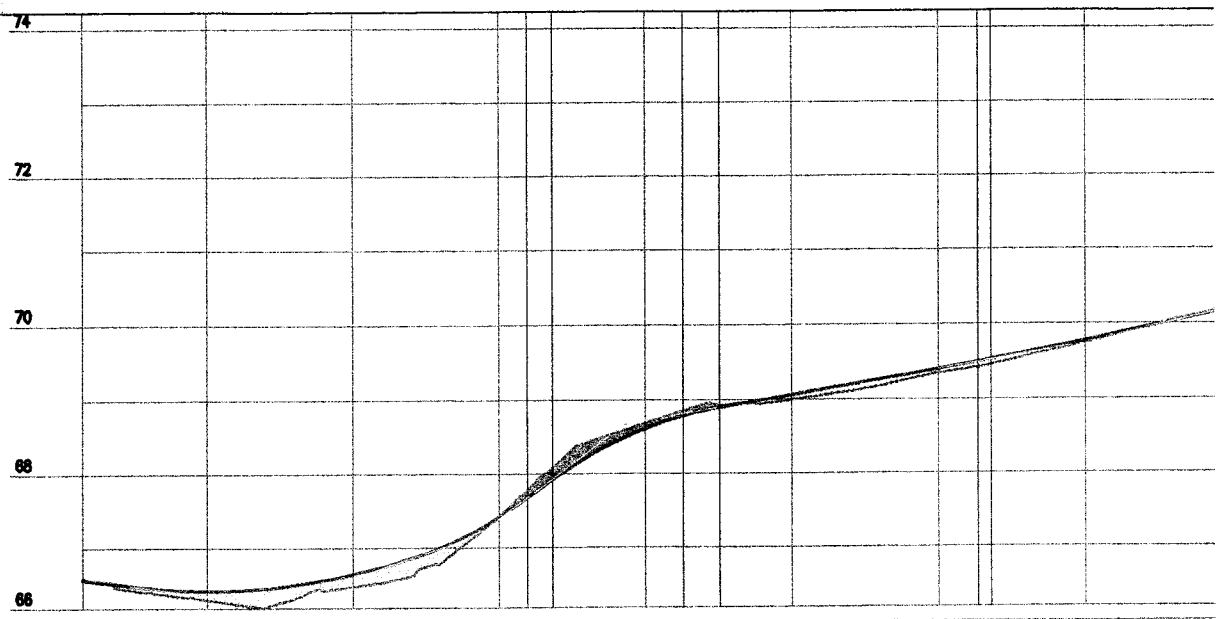
JOTA BARROS M
Arthur Moreira
Engº CIVIL - CREA 5



COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 448
 A

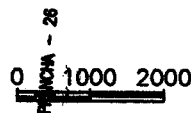
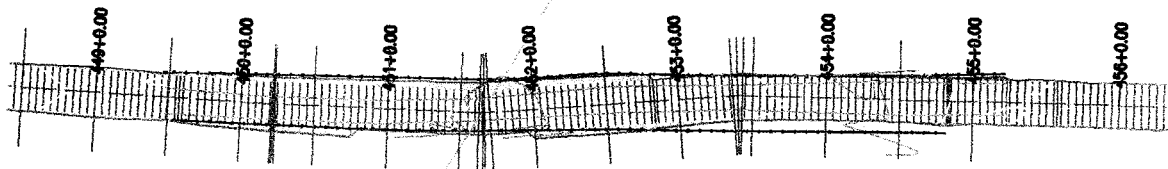
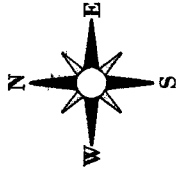


0 1000 2000

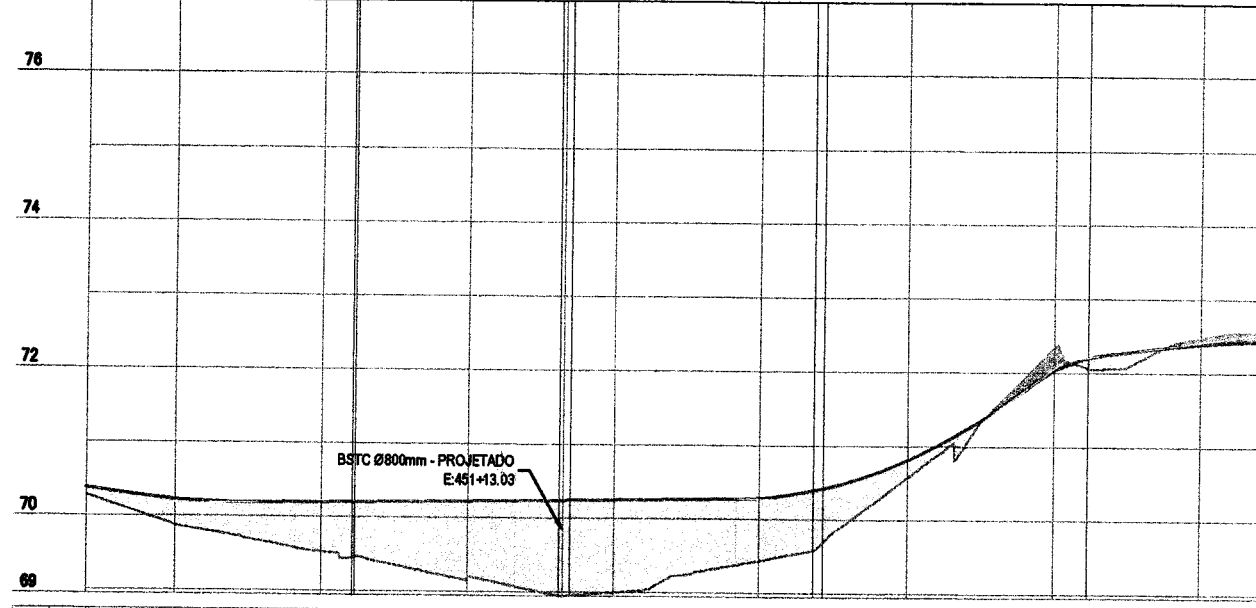


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,032	66,571	66,603	431
0,122	66,620	66,208	432
0,175	66,645	66,671	433
-0,013	67,516	67,629	434
-0,090	68,614	68,683	435
0,071	69,095	69,094	436
0,063	69,494	69,341	437
0,030	69,772	69,743	438

JOTA BARROSA
 Arthur Moreira To.
 Eng. CIVIL - CREA 5361

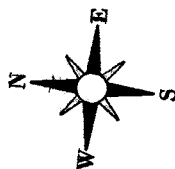


BSTC Ø800mm - PROJETADO = 451+13.03
 Coordenadas: E470.383.65; N95569028.19



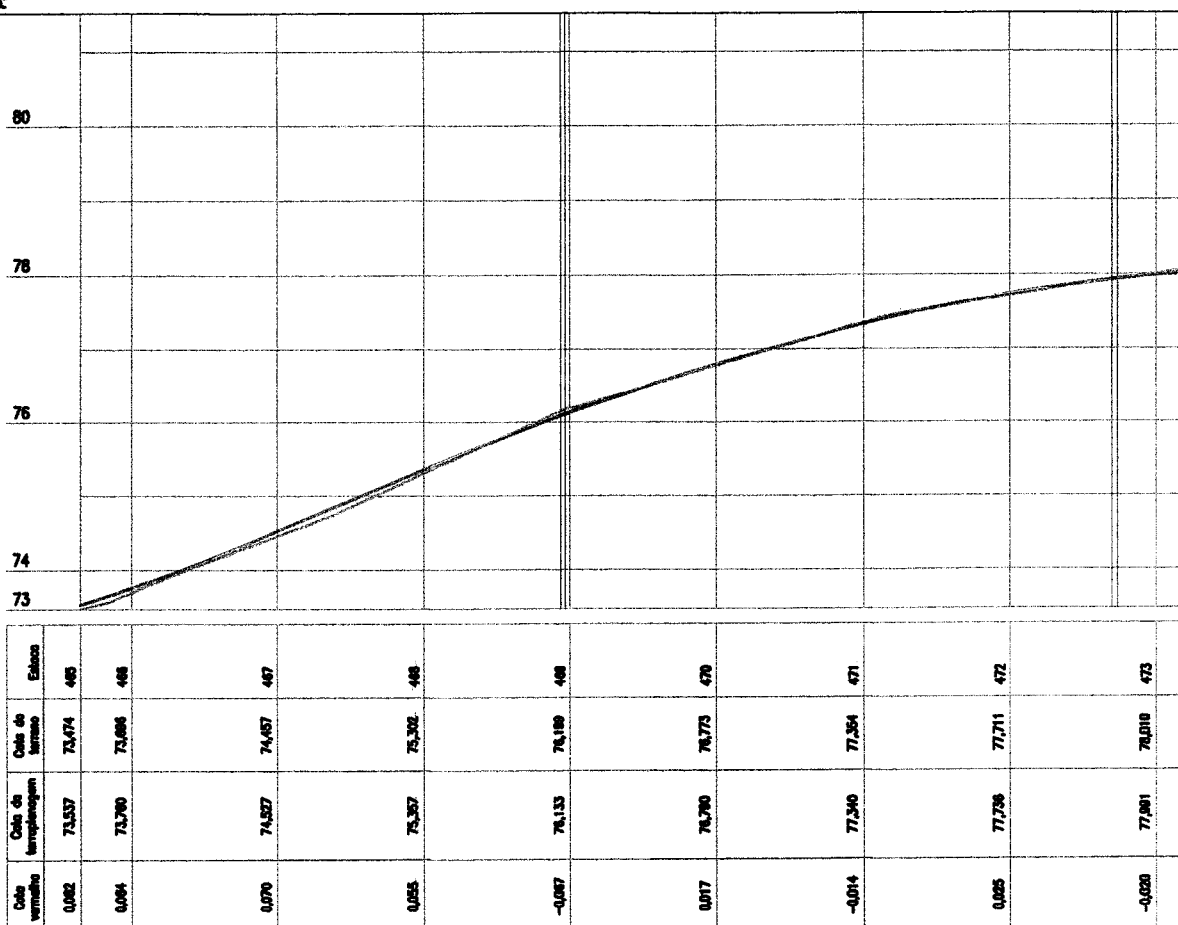
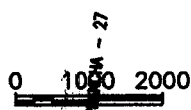
Cota vertical	Cota de interseção	Cota de terreno	Estatos
0.164	70.206	70.206	448
0.296	70.213	69.978	448
0.683	70.206	69.522	450
1.097	70.232	69.145	451
1.306	70.250	68.943	451+13.03
1.205	70.259	68.983	452
0.885	70.287	69.432	453
0.248	70.320	70.571	454
-0.316	72.030	72.347	455
-0.683	72.401	72.484	455

JOTA BARRETTA
 Arthur Moreira Jr.
 Engº CIVIL - CREA 530



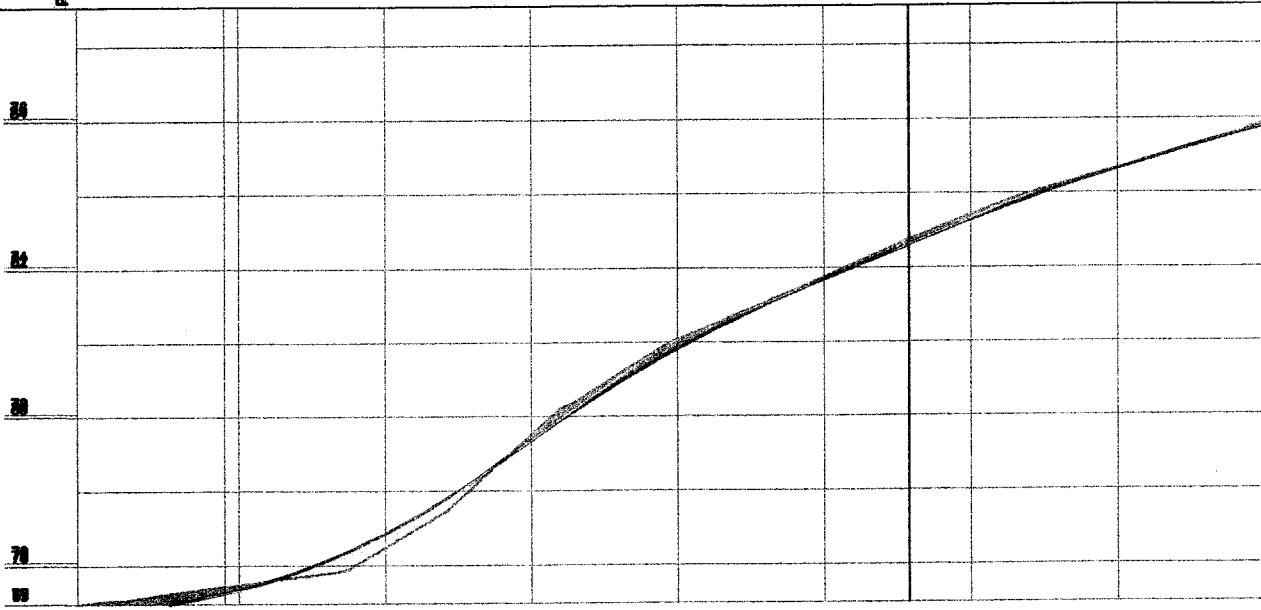
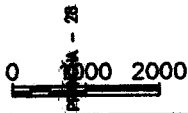
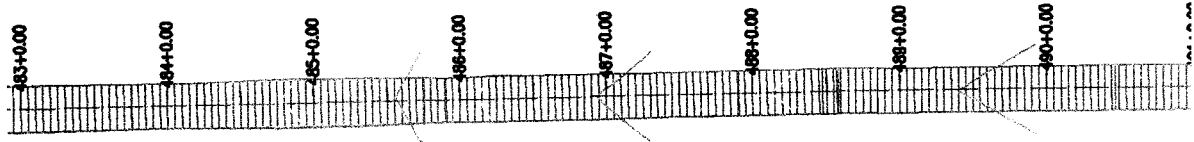
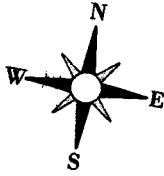
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 150
 A

PRANCHA - 28




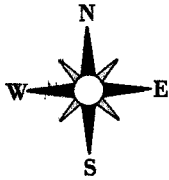
Cota vertical	Cota de levantamento	Cota de mira	Estatos
0,062	73,537	73,474	485
0,064	73,790	73,696	488
0,070	74,527	74,457	487
0,055	75,357	75,302	488
-0,057	76,133	76,189	488
0,017	76,790	76,773	470
-0,014	77,340	77,354	471
0,025	77,726	77,711	472
-0,020	77,981	78,010	473

JOTA BARRAL S. R. L.
 Arthur Moreira Tori
 Eng.º Civil - CREA 53501

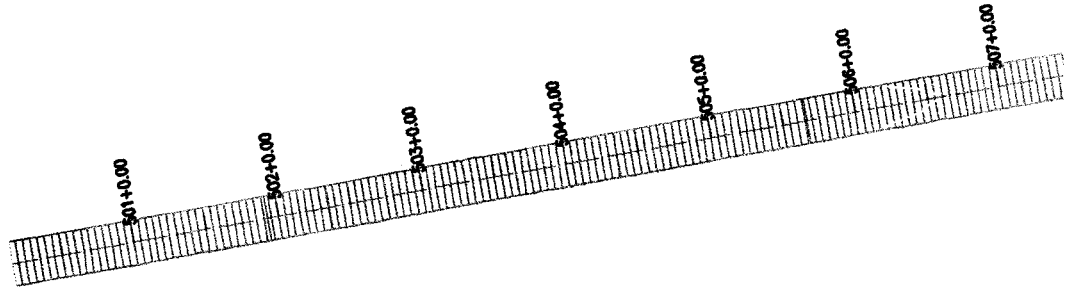


Cota vertical	Cota de Interpolagem	Cota de Bases	Estrada
-0,234	77,546	77,579	482
-0,098	77,626	77,722	483+10,00
-0,071	77,674	77,744	484
0,139	78,132	78,233	485
-0,079	78,887	78,785	486
-0,141	80,813	81,054	487
-0,034	81,846	81,880	488
-0,072	82,840	82,712	489
-0,014	83,322	83,336	490
-0,040	83,685	83,635	491

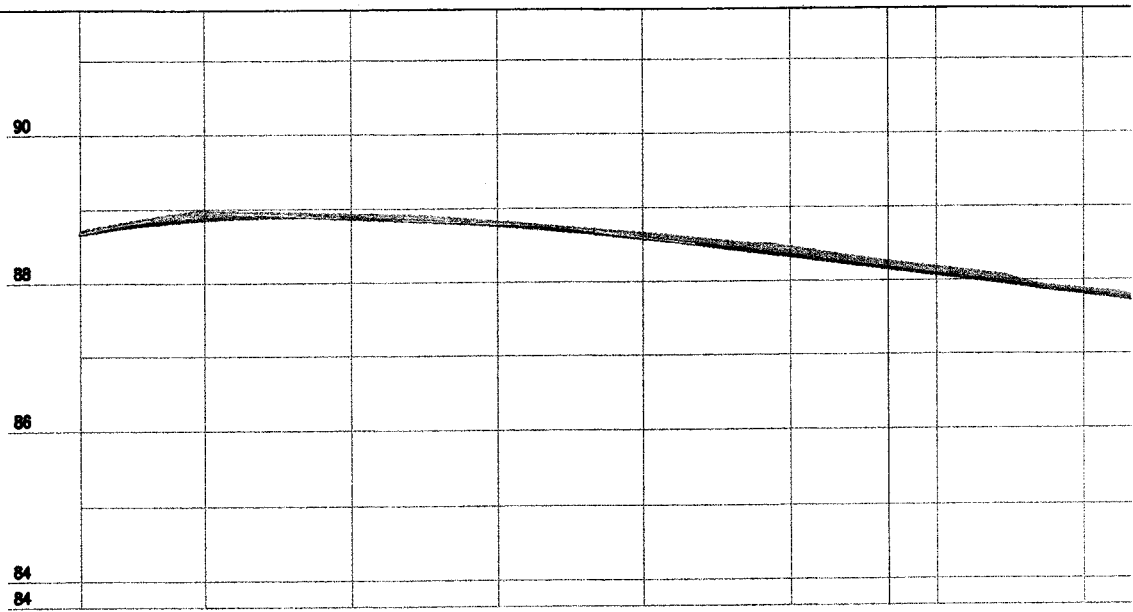

 JOTA BARRAL PRO
 Arthur Moreira Tor
 Eng.º CIV. - CREA 5360



COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 452
 9

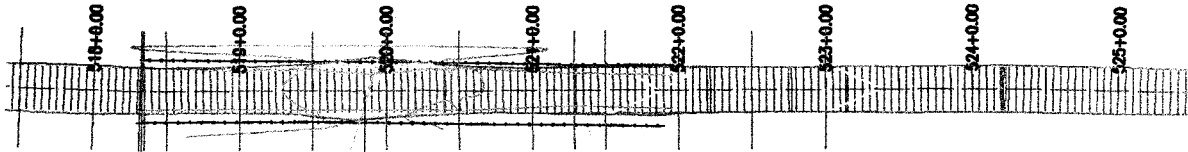
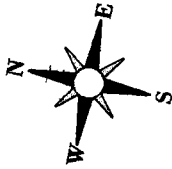


0 1000 2000



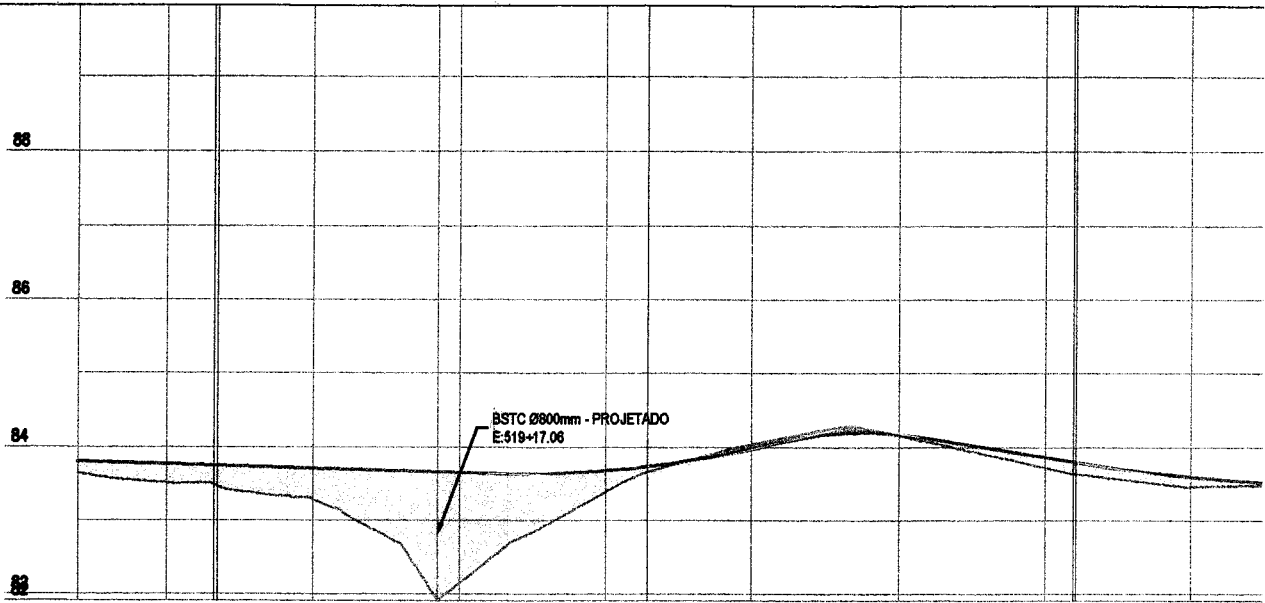
Cota vertical	Cota de implantação	Cota de terreno	Estaca
-0,042	88,676	88,718	500
-0,100	88,687	88,787	501
-0,050	88,679	88,929	502
-0,053	88,675	88,828	503
-0,071	88,590	88,661	504
-0,124	88,337	88,461	505
-0,103	88,076	88,181	506
-0,067	87,818	87,876	507

JOTA BARRA & PARI
 Arthur Moreira To
 Eng.º Civil - CREA 596



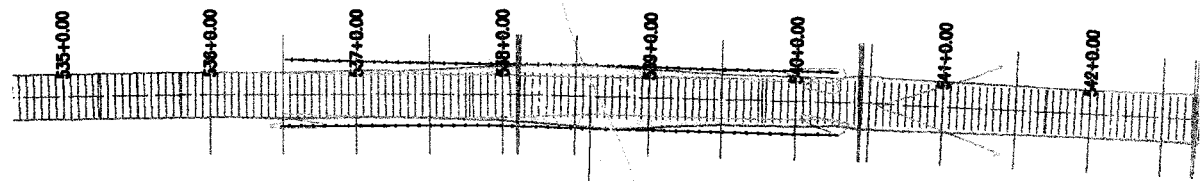
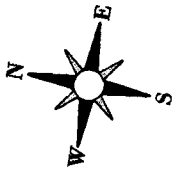
BSTC 8800mm - PROJETADO = 519+17,06
 Coordenadas: E:471071.39; N:95568432.05

0 1000 2000

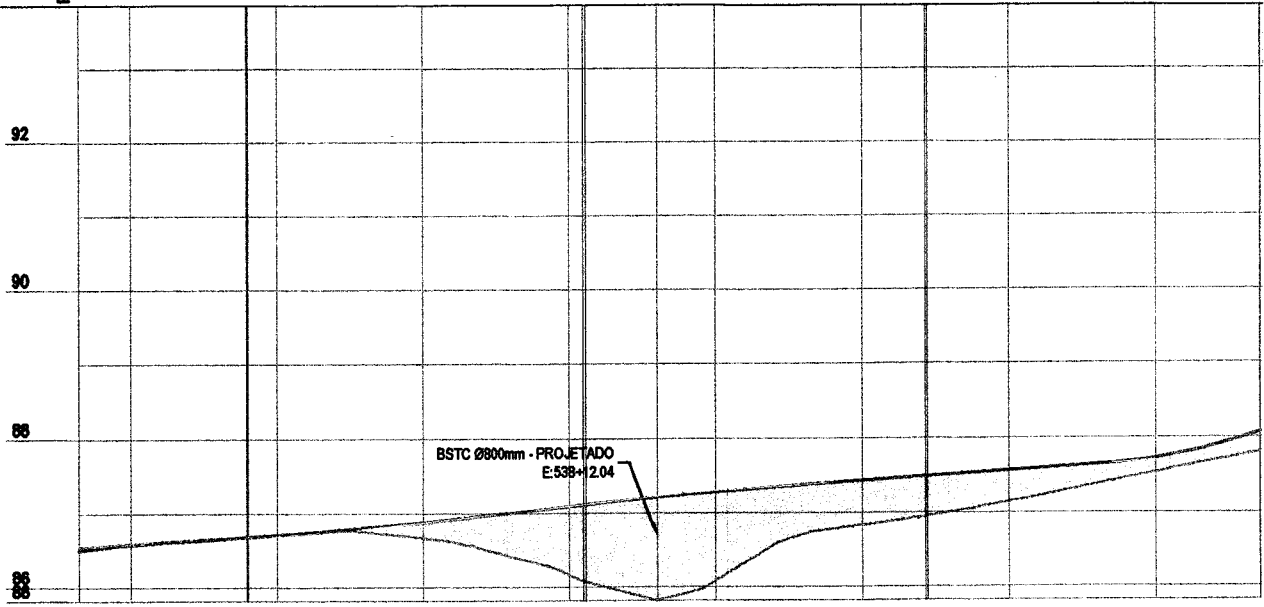
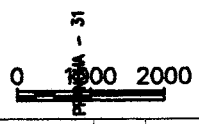


Cota vertical	Cota de temporização	Cota de terreno	Estaca
0.189	83.283	83.243	517
0.258	83.798	83.511	518
0.425	83.713	83.288	519
1.792	83.985	81.914	519+17,06
1.817	83.987	82.140	520
0.391	83.687	83.308	521
-0.072	83.977	84.040	522
0.024	84.183	84.159	523
0.145	83.998	83.725	524
0.138	83.998	83.461	525

JOTA BARROSA-IR
 Arthur Moreira Jr
 Engº CIVIL - CREA 594

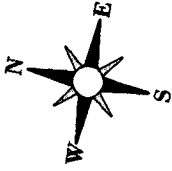


BSTC Ø800mm - PROJETADO = 538+12,04
 Coordenadas: E:471139,93; N:8568063,42

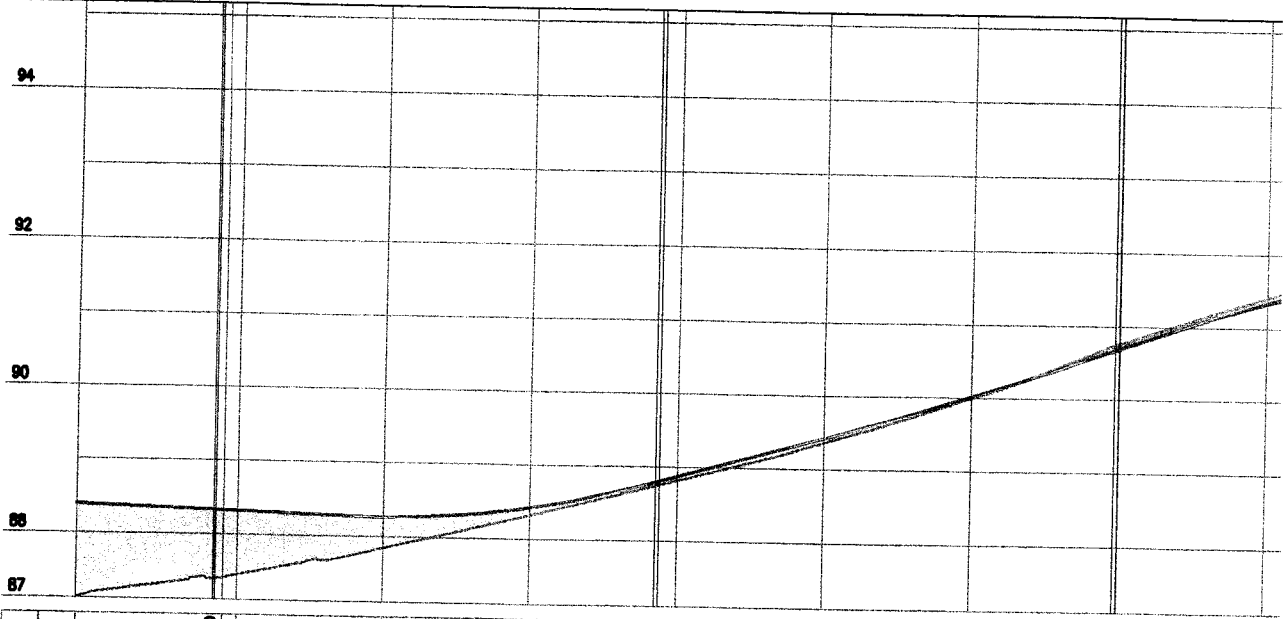
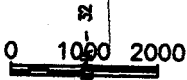
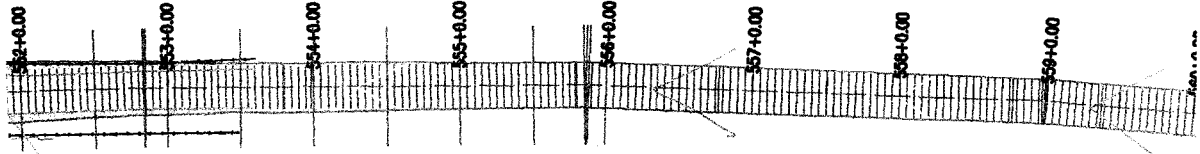


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,043	86,508	86,551	534
-0,018	86,581	86,600	535
0,013	86,715	86,702	536
0,223	86,885	86,662	537
0,635	87,287	86,182	538
1,298	87,215	85,817	538+12,04
1,287	87,285	86,076	539
0,804	87,434	86,630	540
0,428	87,570	87,142	541
0,185	87,730	87,534	542

JOTA BARRIOS YR
 Arthur Moreira Jr
 Eng.º Civil - CREA 596

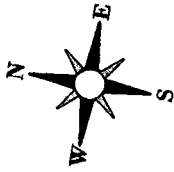


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 455

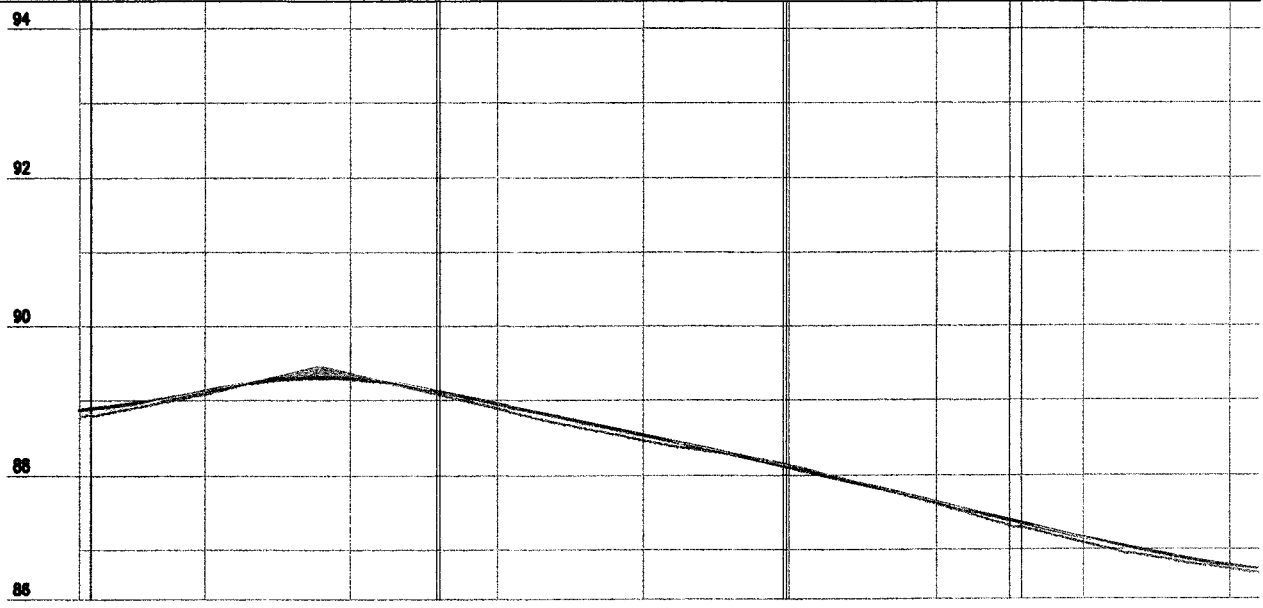
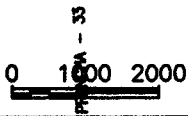
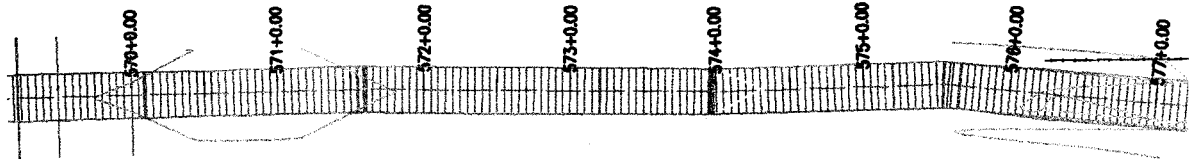


Cota vertical	Cota de interseção	Cota de terreno	Estatos
1,277	88,395	87,119	551
0,920	88,337	87,416	552+10,00
-0,974	88,351	87,367	553
0,431	88,280	87,849	554
0,106	88,434	88,328	555
0,082	88,681	88,592	556
0,067	88,624	88,557	557
0,030	89,021	89,991	558
-0,084	89,883	89,777	559
-0,075	91,344	91,419	560

JOTA BARROTTA FROE
 Arthur Moreira Torquato
 Engº CIVIL - CREA 53360/D

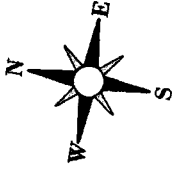


COMISSÃO PERMANENTE DE LICITAÇÃO
Folha 456

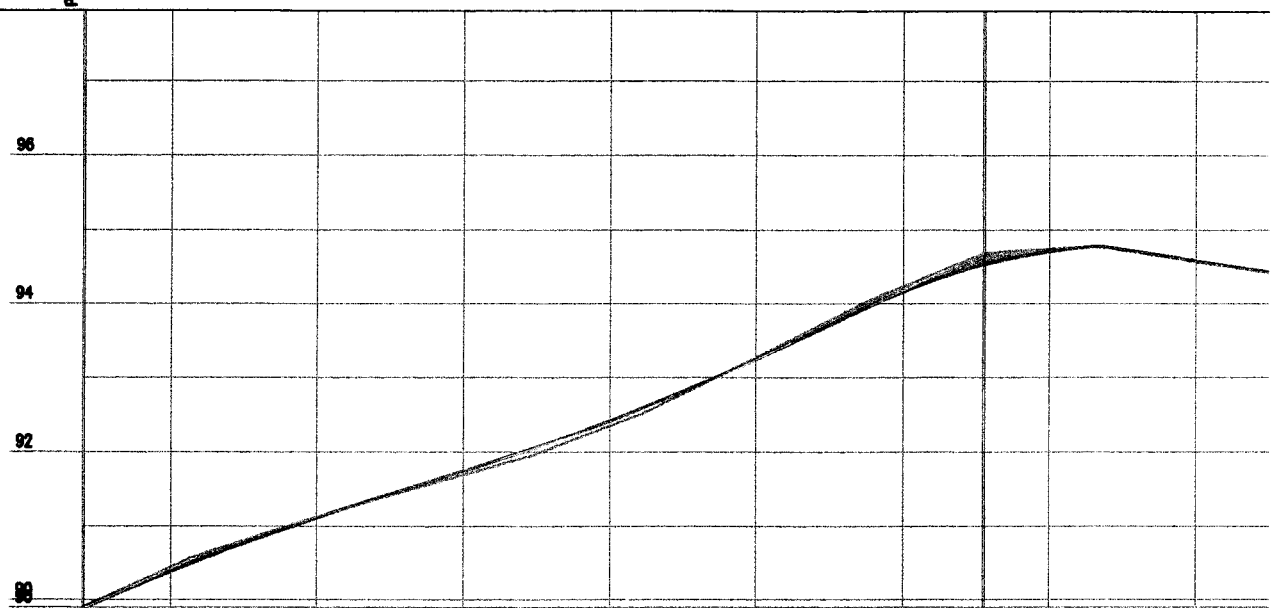
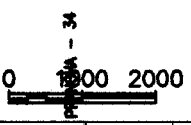
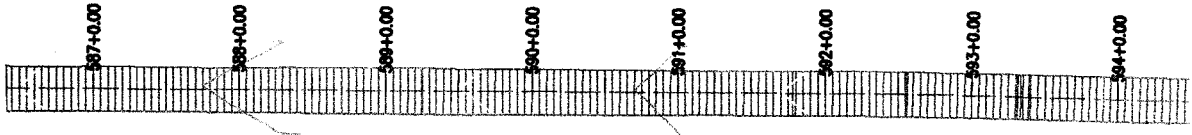


Cota vertical	Cota da topografia	Cota de projeto	Estatos
0.104	88,075	88,771	568
0.043	88,126	88,085	570
-0.070	88,294	88,364	571
0.071	88,390	88,889	572
0.075	88,543	88,468	573
-0.033	88,115	88,147	574
0.028	87,468	87,620	575
0.070	87,105	87,085	576
0.091	86,784	86,734	577

JOTA BRUNO
Arthur Maciel
Engº CIVIL - CREA

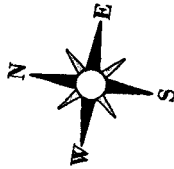


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 457

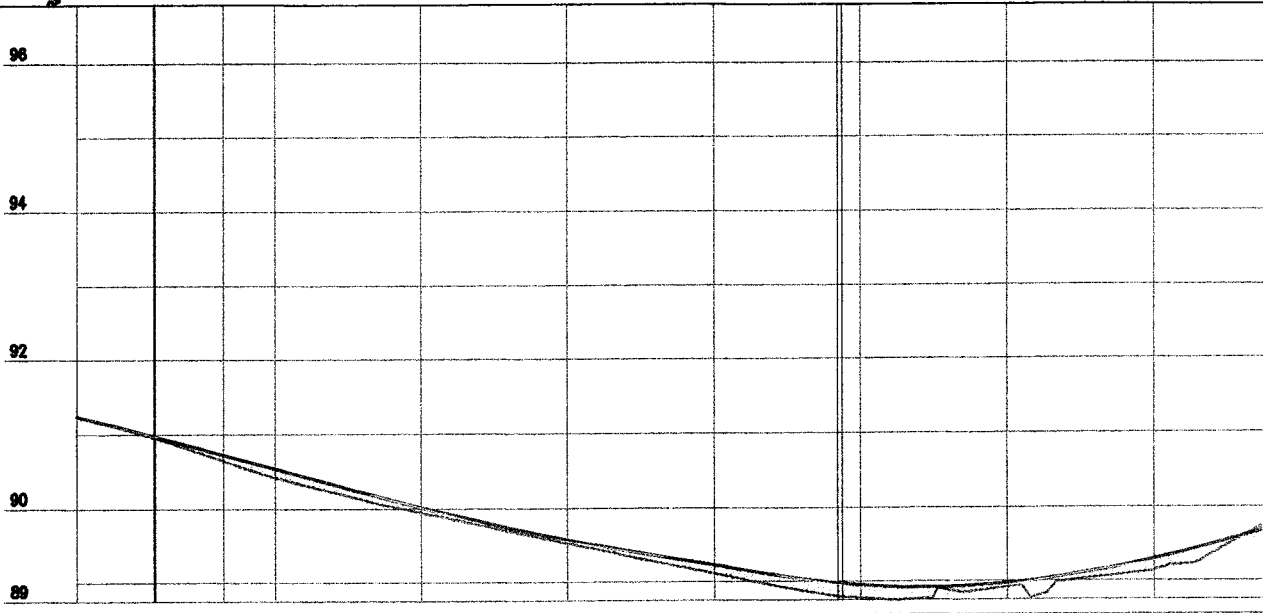
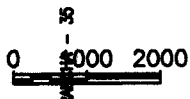
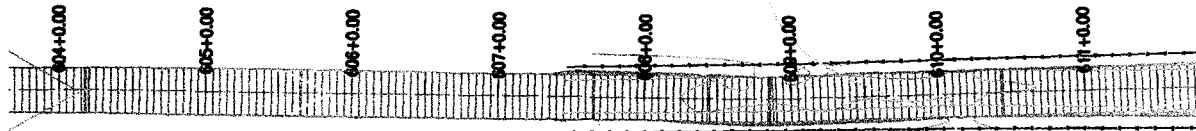


Cota vertical	Cota de interseção	Cota de terreno	Estatos
-0,026	90,972	90,997	988
-0,066	90,503	90,491	987
-0,012	91,116	91,131	989
0,028	91,748	91,680	988
0,073	92,416	92,346	989
-0,031	93,238	93,270	991
-0,080	94,160	94,239	992
-0,031	94,714	94,745	993
0,028	94,935	94,978	994

JOSÉ CARLOS DE
 Arthur Magalhães To
 Eng.º Civil - CRCEA 599

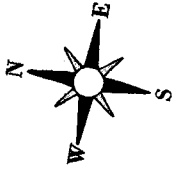


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 458

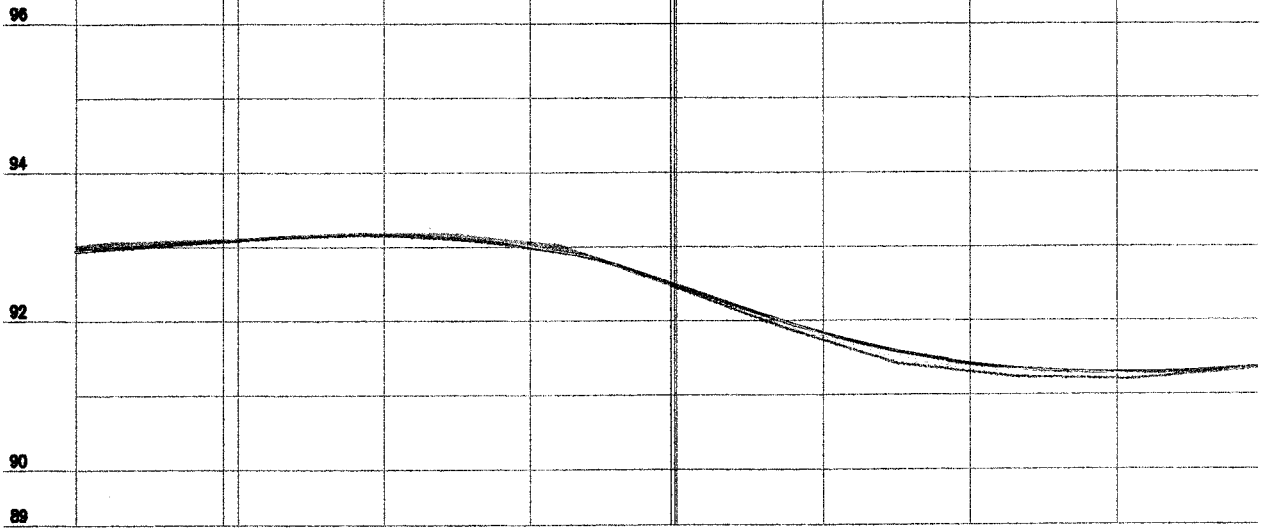
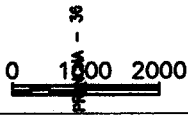
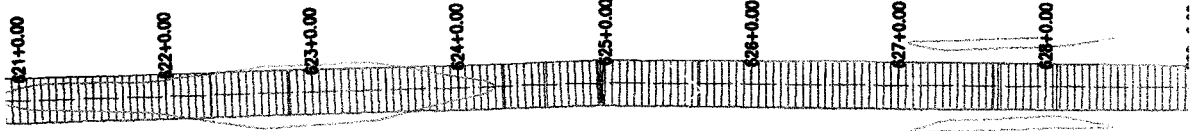


Cota vertical	Cota de terraplenagem	Cota de terreno	Estatos
-0.013	91.292	91.283	003
0.065	90.734	90.669	004+13.00
0.125	90.548	90.423	005
0.078	90.023	90.046	008
0.052	89.578	89.526	007
0.117	89.228	89.110	009
0.181	88.951	88.770	008
0.055	88.988	88.914	010
0.154	88.294	88.140	011

JOTA LIMA
 Arthur Moreira
 Eng. CIVIL - CREA 55

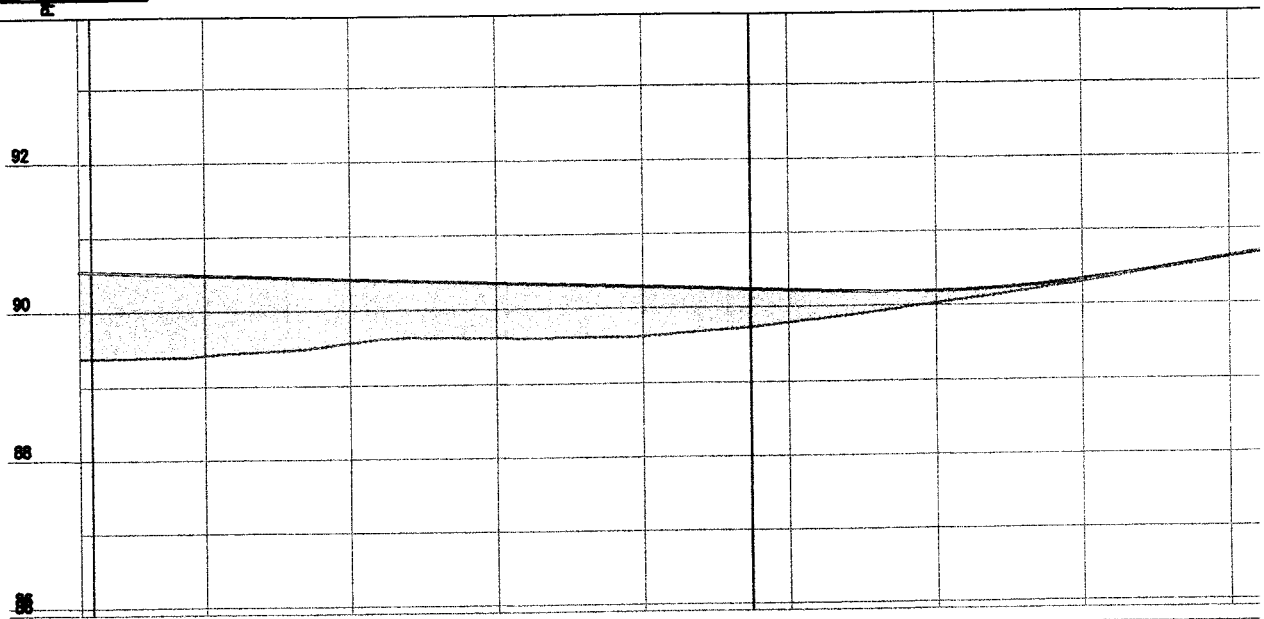
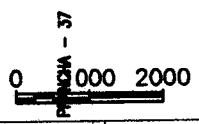
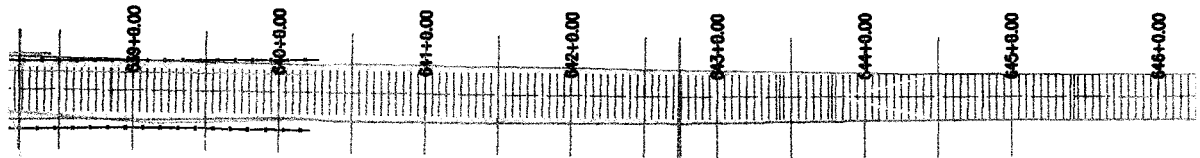
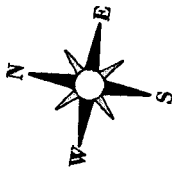


COMISSÃO PERMANENTE DE LICITAÇÃO -
Folha 459

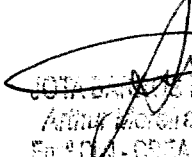


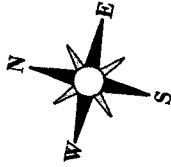
Cota vertical	Cota de interseção	Cota de terreno	Estaca
-0,064	92,981	93,016	820
-0,020	93,083	93,103	821+10,00
-0,017	93,096	93,113	822
-0,014	93,108	93,182	823
-0,088	93,004	93,072	824
0,051	92,483	92,453	825
0,087	91,834	91,737	826
0,113	91,421	91,309	827
0,080	91,298	91,208	828
0,082	91,374	91,372	829

JOYÁ BARRAL
ARTHUR M. S. S. S.
EN.º CIV. CREA: 101.124/1

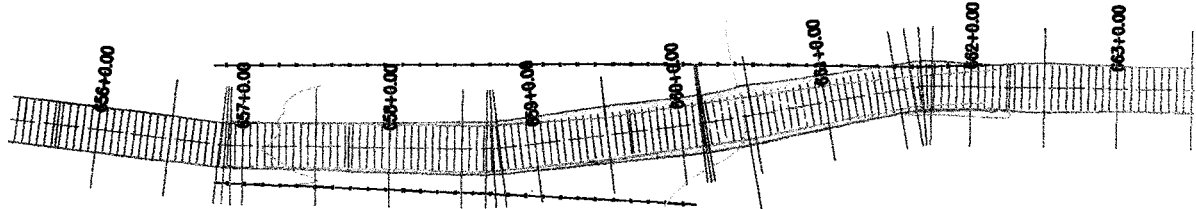


Cota vertical	Cota de Interseção	Cota de terreno	Estatos
1,171	90,257	90,257	638
1,083	90,487	90,414	639
0,883	90,031	90,208	640
0,248	90,285	90,617	641
0,075	90,300	90,625	642
0,445	90,234	90,799	643
0,188	90,200	90,031	644
0,038	90,335	90,299	645
-0,011	90,828	90,837	646

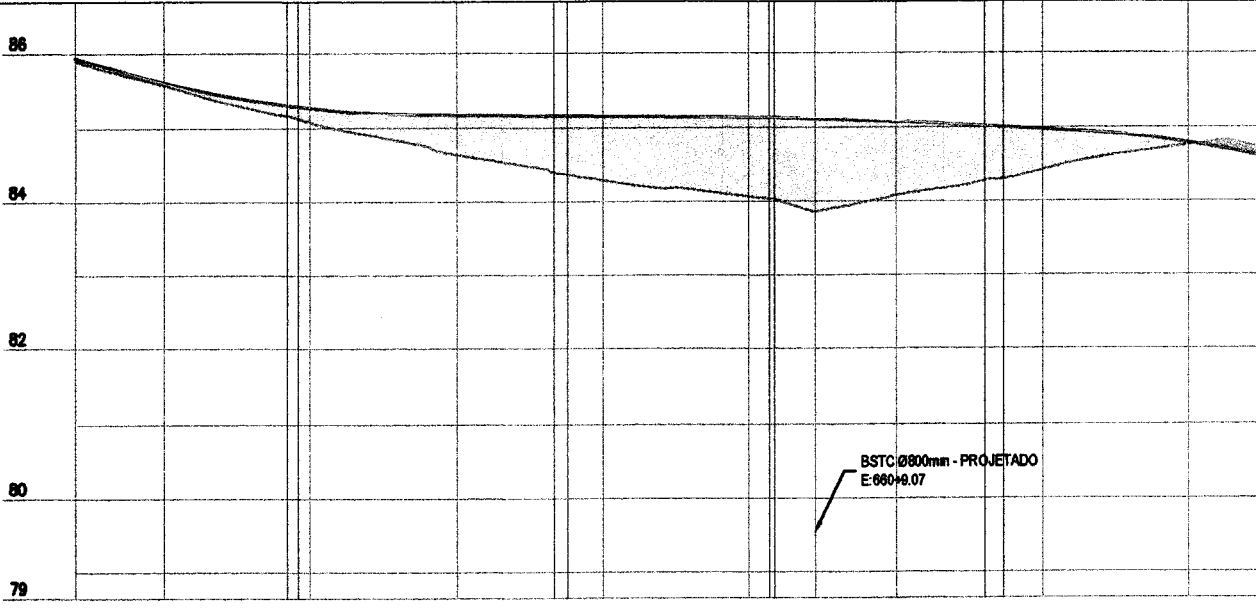
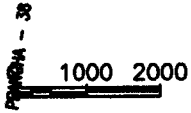

 Eng. CA - OREA



COMISSÃO PERMANENTE DE LICITAÇÃO
Folha 161

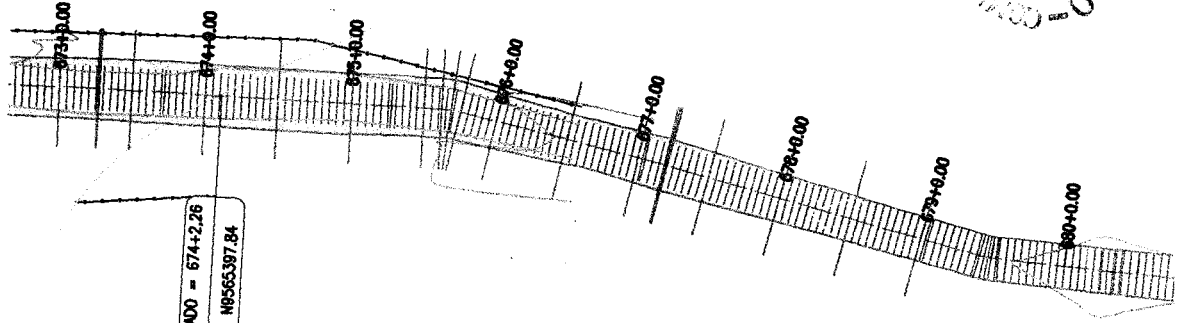
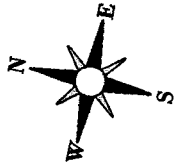


BSTC Ø800mm - PROJETADO = 560+9.07
Coordenadas: E:471550.91; N:565663.99

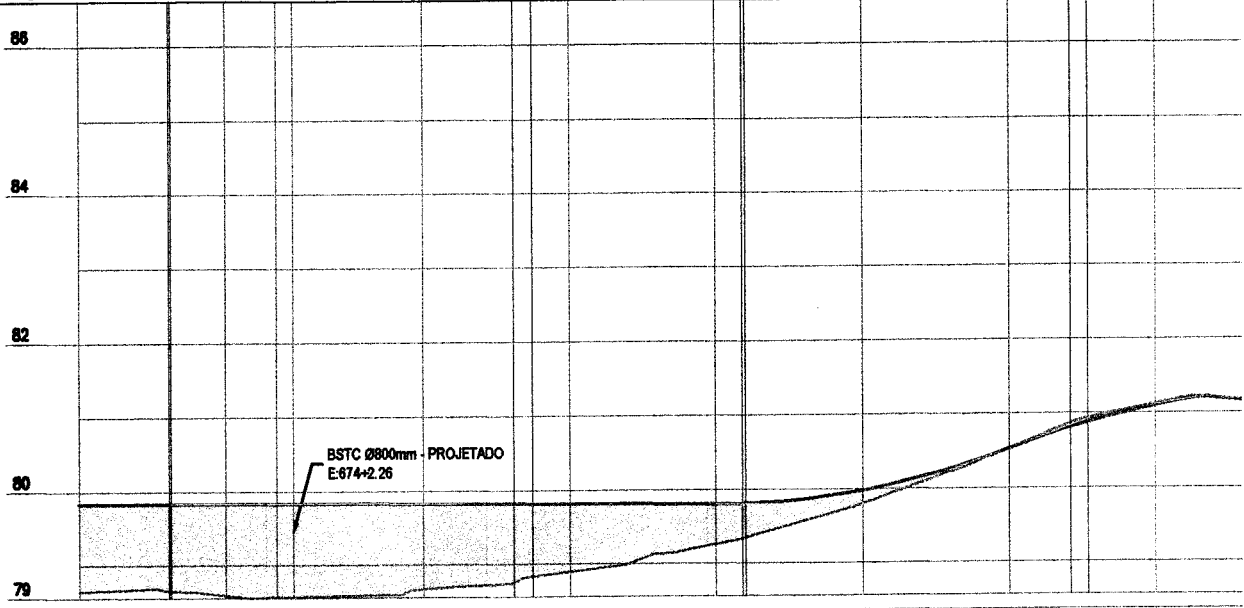
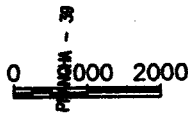


Cota de variação	Cota de implantação	Cota de terreno	Estatos
0,042	85,040	85,000	655
0,044	85,021	85,070	656
0,193	85,273	85,080	657
0,046	85,184	84,839	658
0,071	85,186	84,285	659
1,000	85,144	84,094	660
1,202	85,123	83,901	660+9,07
1,000	85,085	84,094	661
0,054	84,970	84,625	662
0,032	84,794	84,762	663

ATA ENRIQUE
Arthur Henrique
Eng.º CIVIL - CREA

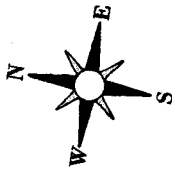


BSTC Ø800mm - PROJETADO = 674+2.26
 Coordenadas: E:471610.47; N:656397.84

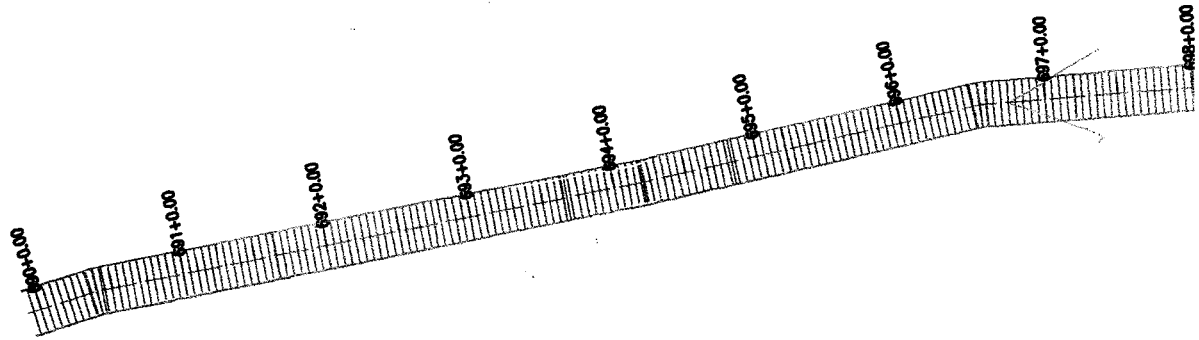


Cota vertical	Cota de interseção	Cota de término	Eixo
1,194	79,845	79,851	672
1,256	79,846	79,862	673+13,00
1,284	79,846	79,864	674
1,284	79,857	79,864	674+2,26
1,170	79,841	79,872	675
0,533	79,829	79,896	676
0,553	79,817	79,863	677
0,165	79,808	79,894	678
-0,003	80,532	80,535	679
-0,025	81,104	81,129	680

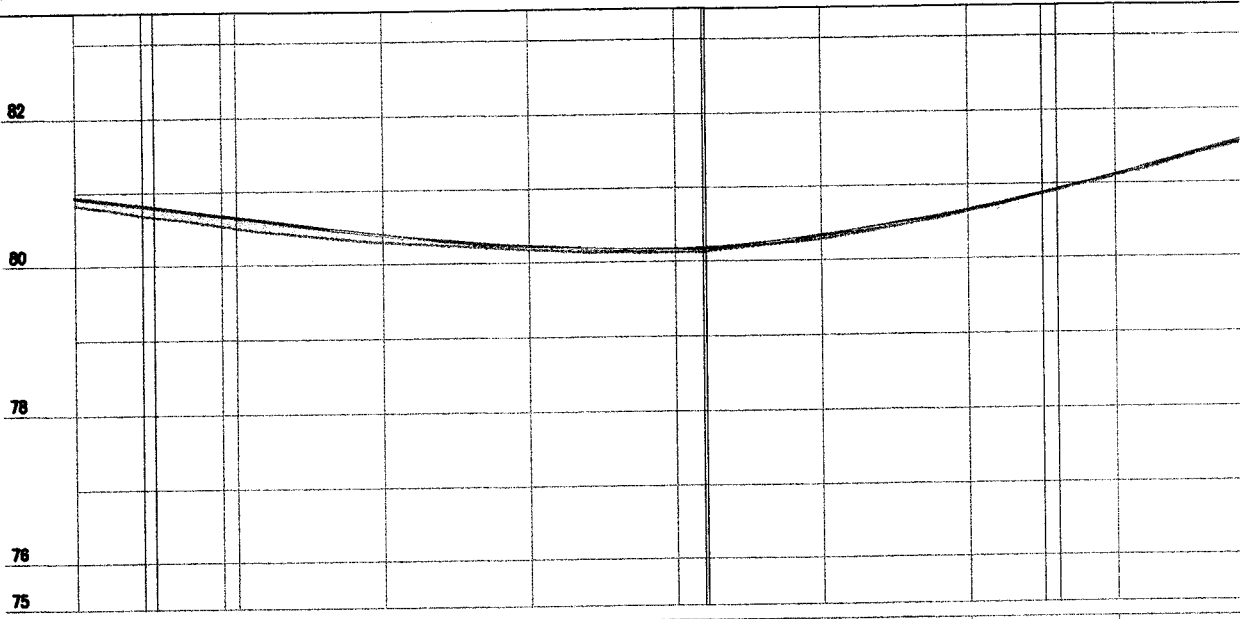
JOTA BARROS PIR
 Arthur Moreira Jr
 Engº CIVIL - CREA 536



COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 463
 9

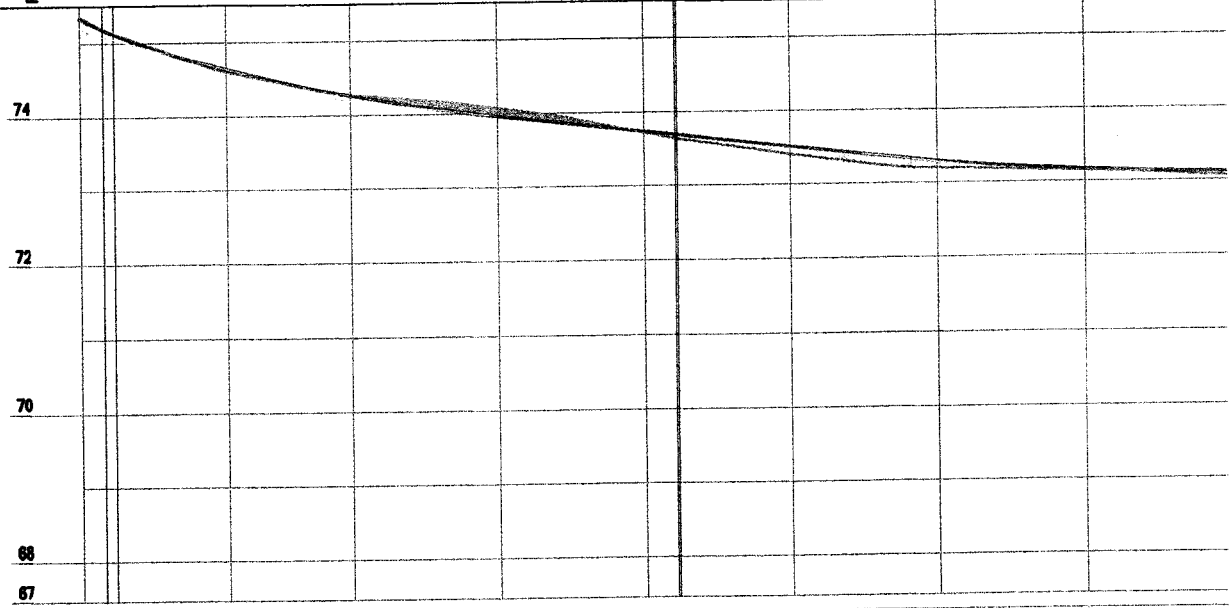
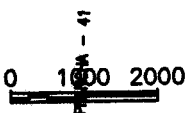
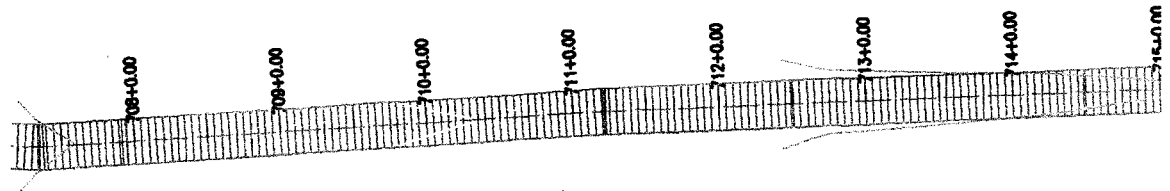
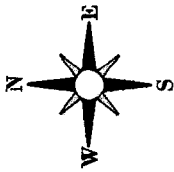


0 1000 2000



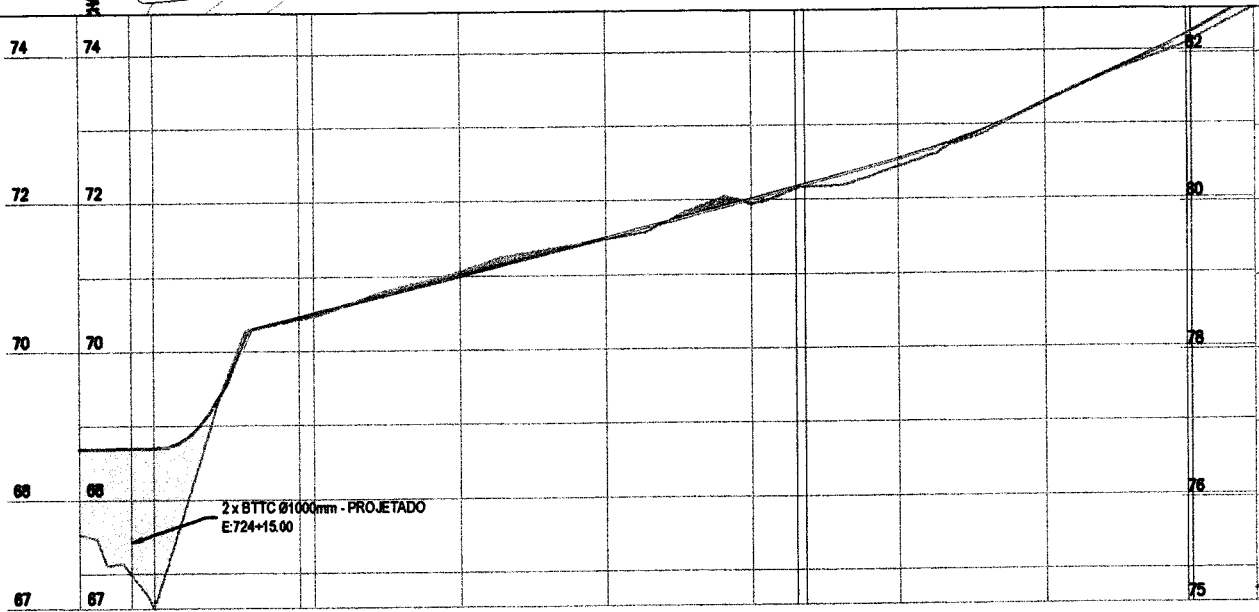
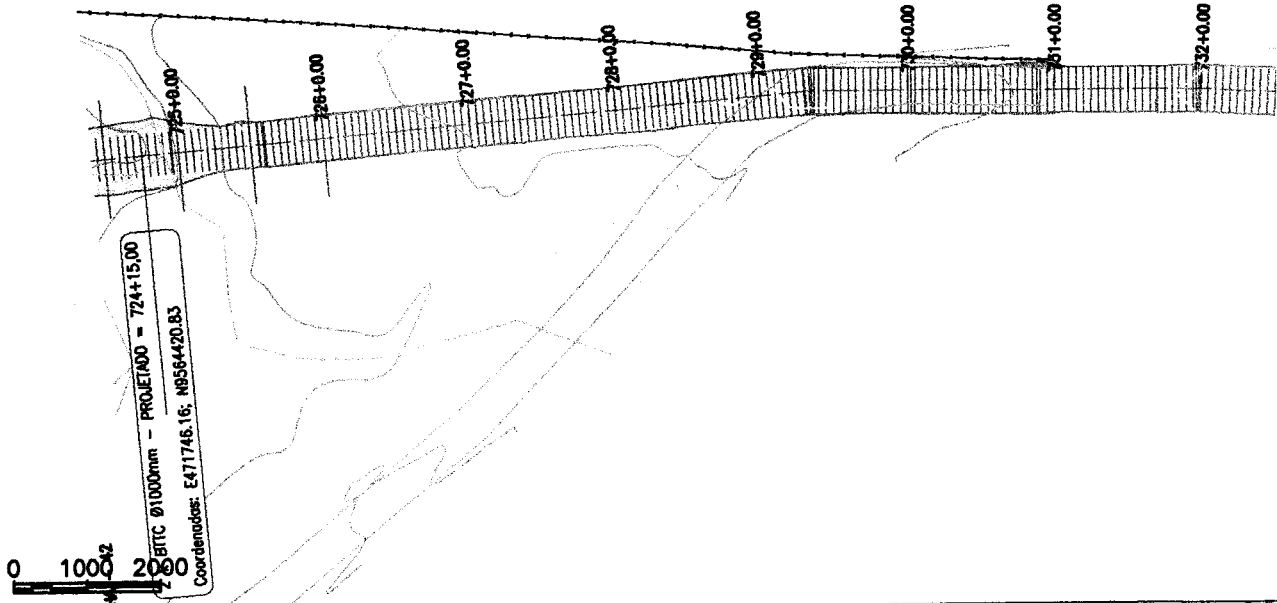
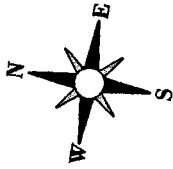
Cota vertical	Cota de Interseção	Cota de terreno	Cota de Estaca
0,108	80,942	80,833	898
0,140	80,678	80,538	890+10,00
0,145	80,665	80,505	891
0,098	80,307	80,205	892
0,044	80,225	80,182	893
0,040	80,188	80,128	894
0,062	80,345	80,284	895
0,011	80,681	80,620	896
0,005	81,114	81,109	897

JOTA BARRAL
 Arquiteto
 Eng.º CIVIL - CREA 531



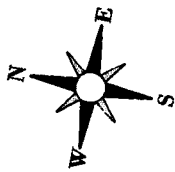
Cota vertical	Cota de levantamento	Cota de terreno	Estaca
-0,056	75,332	75,388	707
0,037	74,646	74,683	709+0,00
-0,010	74,272	74,282	708
-0,117	73,874	74,091	710
0,015	73,745	73,730	711
0,100	73,516	73,409	712
0,097	73,300	73,203	713
0,050	73,189	73,149	714
0,045	73,121	73,076	715

JOTA BARROTTA P.R.
 Arthur Marchetti
 Eng. CIVIL - CREA 530

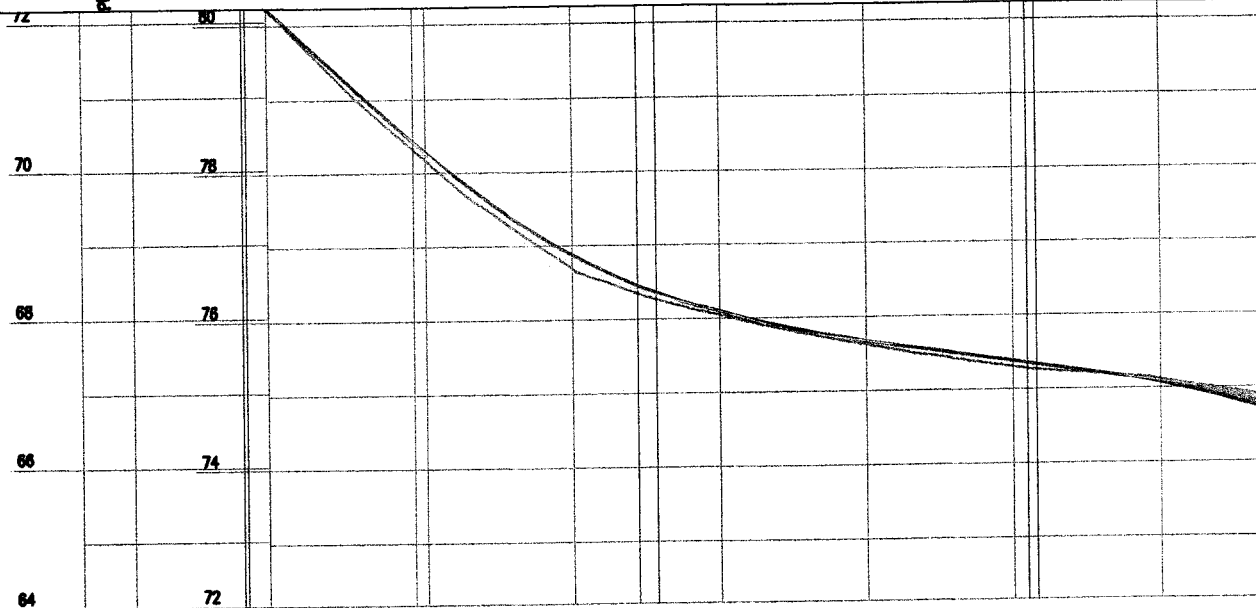
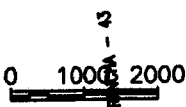
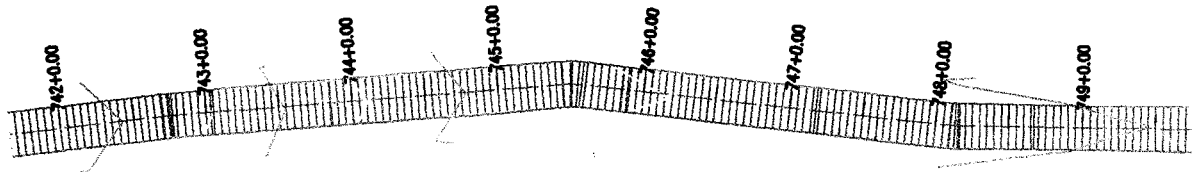


Cota vertical	Cota de Interpolagem	Cota de terreno	Estatos
1,161	68,898	67,535	724
1,716	68,707	68,890	724+15
1,807	68,722	67,115	725
0,943	70,514	70,472	726
-0,081	71,009	71,071	727
0,020	71,505	71,485	728
0,067	72,011	71,944	729
0,107	72,540	72,433	730
-0,007	73,262	73,269	731
0,121	74,242	74,121	732

JOTA BARROE T
Arthur Barroeta
Engº CIVIL - CREA

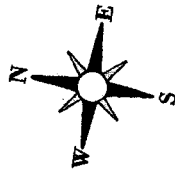


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 466

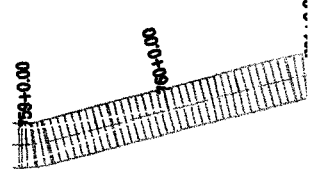


Clas. vertical	Cota de intersección	Cota de terreno	Elevac.
-0,000	81,801	81,801	741
-0,000	81,401	81,400	742
0,006	80,006	80,000	743
0,119	78,286	78,167	744
0,102	76,883	76,881	745
0,082	75,102	75,099	746
0,051	73,076	73,075	747
0,002	75,307	75,306	748
-0,046	75,053	75,128	749

JOTA BARRA
 Arthur M. Polm
 Eng.º Civil - CREA

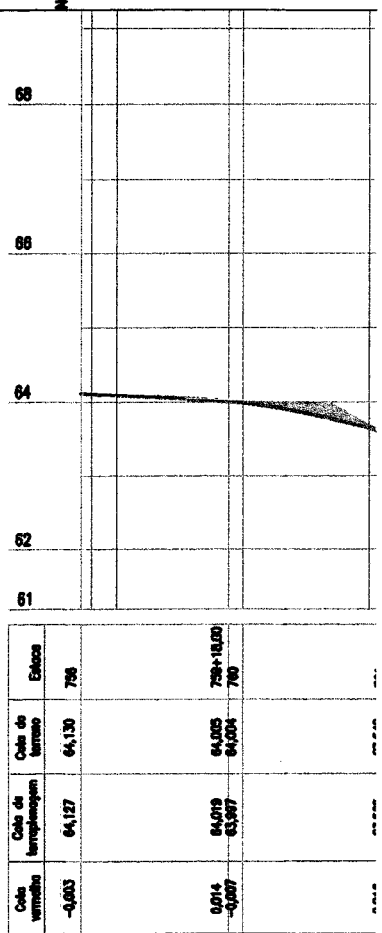


COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 407
[Handwritten signature]

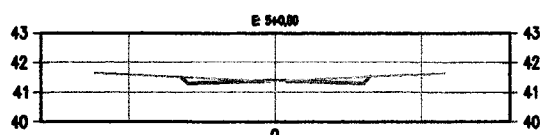


0 1000 2000

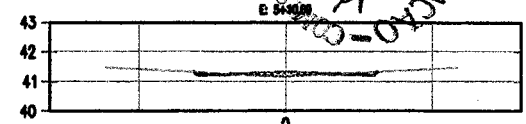
NCHA - 44



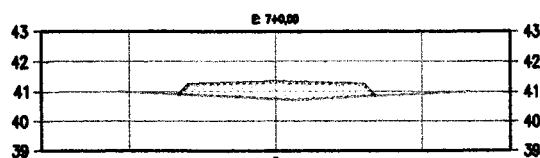
[Handwritten signature]
 JOTA BARRAGÃO F.
 Arthur Moreira
 Eng.º Civil - CREA 5



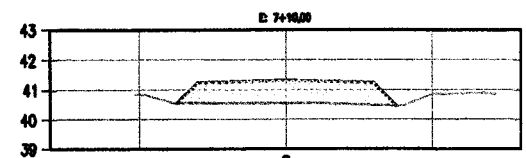
COTAS TN	41.86	41.55	41.40	41.44	41.36	41.46	41.51	41.56	41.64
COTAS PROJ.		41.36	41.33	41.33	41.39	41.33	41.32	41.36	
COTAS VERM.		-0.09	-0.12	0.03	-0.13	-0.07	-0.04	0.00	



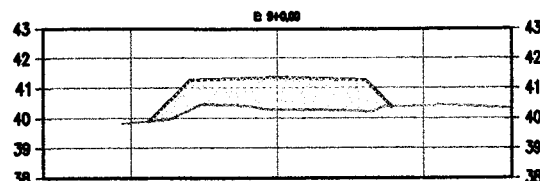
COTAS TN	41.46	41.36	41.31	41.26	41.17	41.27	41.32	41.37	41.46
COTAS PROJ.		41.22	41.24	41.26	41.30	41.24	41.20	41.27	
COTAS VERM.		-0.09	-0.02	0.12	-0.03	-0.08	0.00	0.00	



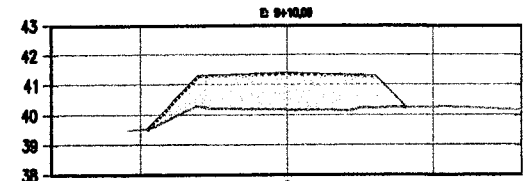
COTAS TN	41.02	40.95	40.90	40.85	40.75	40.79	40.84	40.89	40.99	41.02
COTAS PROJ.		40.25	41.26	41.32	41.26	41.22	41.26	40.99	40.99	41.02
COTAS VERM.		0.69	0.41	0.57	0.47	0.38	0.38	0.00	0.00	



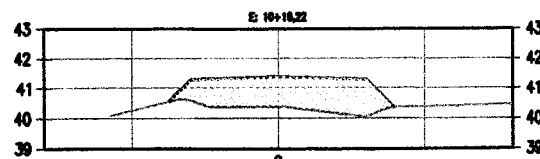
COTAS TN	40.84	40.82	40.55	40.58	40.56	40.53	40.50	40.49	40.88	40.86
COTAS PROJ.		40.55	41.24	41.27	41.33	41.27	41.24	40.47	40.88	40.86
COTAS VERM.		0.00	0.69	0.72	0.77	0.74	0.74	-0.00	0.00	0.00



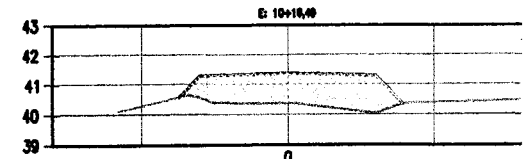
COTAS TN	39.83	39.93	40.26	40.44	40.27	40.26	40.22	40.39	40.43	40.34
COTAS PROJ.	40.97	41.27	41.30	41.36	41.30	41.27	40.36	40.43	40.34	40.34
COTAS VERM.	0.80	1.00	0.86	1.08	1.04	1.05	0.00	0.00	0.00	0.00



COTAS TN	39.49	39.54	40.28	40.21	40.18	40.14	40.24	40.25	40.25	40.12
COTAS PROJ.	40.54	41.28	41.31	41.37	41.31	41.28	40.28	40.25	40.25	40.12
COTAS VERM.	0.00	0.43	1.00	1.10	1.19	1.16	1.04	0.00	0.00	0.00

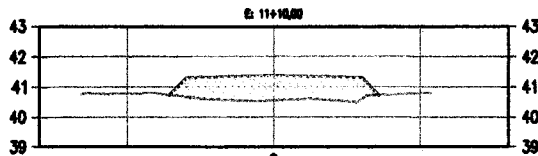


COTAS TN	40.89	40.50	40.59	40.38	40.37	40.15	40.08	40.37	40.42	40.47
COTAS PROJ.	40.56	41.29	41.32	41.32	41.38	41.32	40.37	40.37	40.42	40.47
COTAS VERM.	0.00	0.71	0.95	1.01	1.17	1.24	0.00	0.00	0.00	0.00

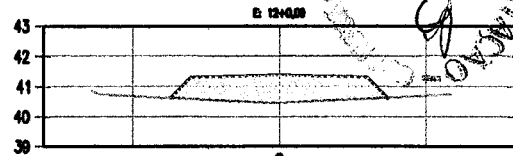


COTAS TN	40.11	40.52	40.55	40.36	40.37	40.16	40.03	40.38	40.43	40.43
COTAS PROJ.	40.58	41.29	41.32	41.38	41.38	41.32	40.38	40.38	40.43	40.43
COTAS VERM.	0.00	0.74	0.94	1.01	1.17	1.26	0.00	0.00	0.00	0.00

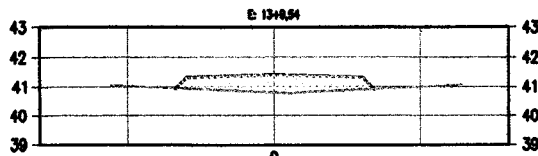
COTA 5300 PRO.
 Arthur Moreira Tom
 Eng.º CIVIL - CREA 5300



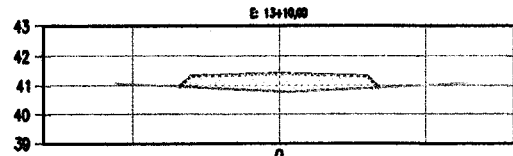
COTAS TN	-40.77	-40.78	40.79	40.87	40.88	40.54	40.55	40.59	40.74	40.81
COTAS PROJ.			40.74	41.30	41.33	41.39	41.33	41.30	40.72	
COTAS VERM.			0.00	0.63	0.75	0.85	0.78	0.71	0.00	



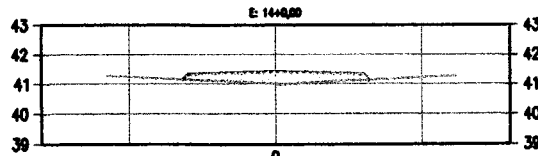
COTAS TN	40.95	40.64	40.59	40.54	40.45	40.55	40.60	40.85	40.75
COTAS PROJ.		40.62	41.31	41.34	41.40	41.34	41.31	40.64	
COTAS VERM.		0.00	0.72	0.80	0.95	0.78	0.70	0.00	



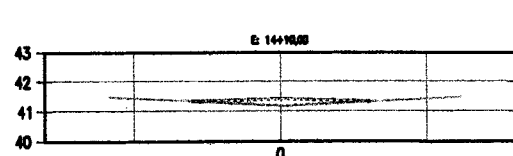
COTAS TN	41.07	40.89	40.94	40.88	40.79	40.85	40.90	40.95	41.05
COTAS PROJ.		40.99	41.35	41.35	41.41	41.35	41.30	41.32	
COTAS VERM.		0.00	0.46	0.62	0.50	0.50	0.38	0.36	



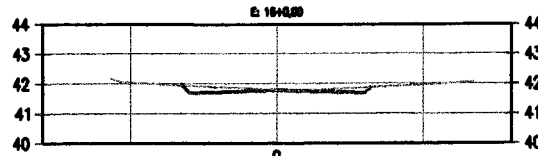
COTAS TN	41.08	41.00	40.95	40.90	40.80	40.86	40.91	40.96	41.08
COTAS PROJ.		40.97	41.35	41.41	41.35	41.35	41.33	41.33	
COTAS VERM.		0.00	0.46	0.62	0.50	0.50	0.46	0.46	



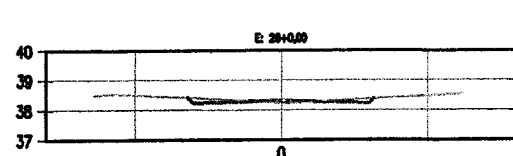
COTAS TN	41.25	41.20	41.15	41.10	41.00	41.08	41.13	41.18	41.28
COTAS PROJ.		41.15	41.36	41.42	41.36	41.36	41.33	41.18	
COTAS VERM.		0.00	0.26	0.42	0.26	0.26	0.26	0.18	



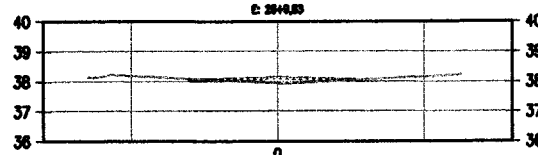
COTAS TN	41.46	41.39	41.34	41.29	41.19	41.27	41.32	41.37	41.46
COTAS PROJ.		41.34	41.37	41.43	41.37	41.37	41.38	41.37	
COTAS VERM.		0.00	0.08	0.24	0.10	0.09	0.09	0.08	



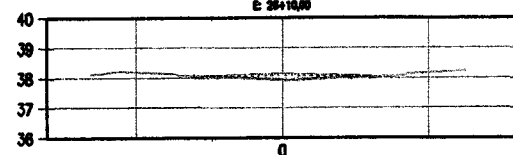
COTAS TN	42.17	41.99	41.94	41.89	41.79	41.82	41.87	41.92	42.02	42.06
COTAS PROJ.		41.95	41.73	41.79	41.73	41.73	41.73	41.73	42.02	42.06
COTAS VERM.		0.00	-0.16	0.00	-0.09	-0.07	-0.07	-0.07	0.00	0.00



COTAS TN	38.52	38.45	38.40	38.35	38.25	38.33	38.38	38.43	38.54
COTAS PROJ.		38.45	38.40	38.35	38.32	38.28	38.33	38.38	38.43
COTAS VERM.		0.00	-0.10	0.06	-0.07	-0.06	-0.06	-0.06	0.00

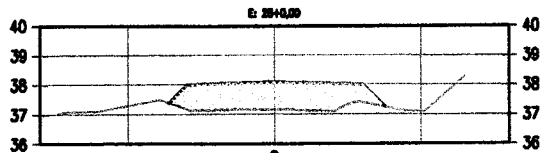


COTAS TN	38.14	38.16	38.15	38.09	38.04	37.94	38.02	38.07	38.12	38.23
COTAS PROJ.		38.09	38.08	38.08	38.14	38.08	38.08	38.07	38.12	38.23
COTAS VERM.		0.00	0.04	0.19	0.06	0.06	0.00	0.00	0.00	0.00

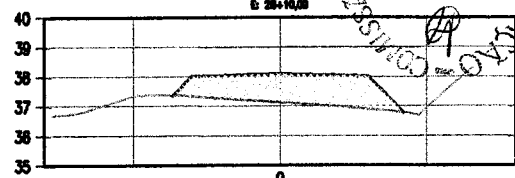


COTAS TN	38.13	38.17	38.16	38.07	38.02	37.94	38.01	38.03	38.08	38.23
COTAS PROJ.		38.07	38.07	38.02	38.13	38.07	38.08	38.08	38.08	38.23
COTAS VERM.		0.00	0.05	0.19	0.06	0.06	0.00	0.00	0.00	0.00

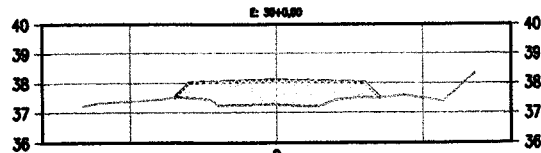
JOTA BARRIOS PROJ
Arthur Wroblewski
Engº CIVIL - CREA 53001



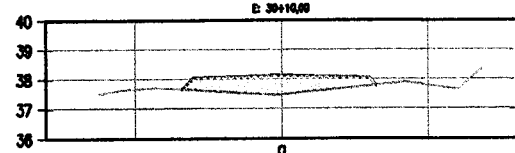
COTAS TN	37.04	37.11	37.46	37.16	37.08	37.39	37.16	37.05	37.28
COTAS PROJ.			37.39	37.16	38.02	38.08	38.02	37.99	37.23
COTAS VERM.			-0.00	-0.89	0.89	0.93	0.95	-0.61	-0.00



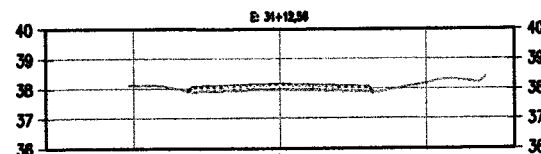
COTAS TN	36.68	37.02	37.37	37.53	37.26	38.09	37.13	36.99	36.90	36.81	37.80	36.26
COTAS PROJ.			37.36	38.00	38.03	38.09	38.03	38.90	36.99	36.81		
COTAS VERM.			-0.60	-0.67	0.77	0.97	1.04	1.10	0.68			



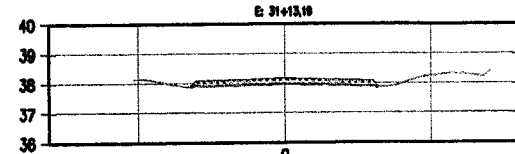
COTAS TN	37.23	37.34	37.45	37.50	37.24	37.27	37.43	37.51	37.56	37.66	38.34	
COTAS PROJ.			37.54	38.03	38.06	38.12	38.06	38.03	37.51	37.56		
COTAS VERM.			0.00	0.52	0.81	0.85	0.63	0.52	0.80			



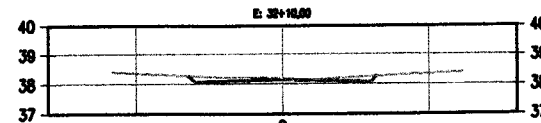
COTAS TN	37.54	37.70	37.84	37.58	37.46	37.68	37.78	37.88	37.66	38.36	
COTAS PROJ.			37.86	38.06	38.12	38.06	37.78	37.88			
COTAS VERM.			0.30	0.48	0.66	0.38	0.66				



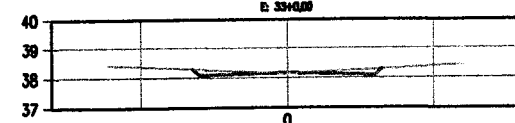
COTAS TN	38.12	38.09	37.89	37.91	37.96	37.92	37.89	38.00	38.32	38.40
COTAS PROJ.			38.08	38.08	38.14	38.08	37.89	38.00	38.32	38.40
COTAS VERM.			0.09	0.17	0.18	0.16	0.66			



COTAS TN	38.14	38.00	37.90	37.92	37.97	37.92	37.89	38.00	38.32	38.40
COTAS PROJ.			38.08	38.08	38.14	38.08	37.89	38.00	38.32	38.40
COTAS VERM.			0.09	0.16	0.17	0.16	0.66			



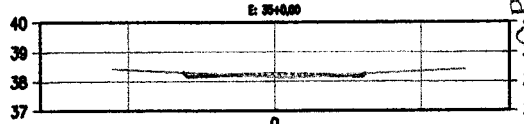
COTAS TN	38.41	38.32	38.27	38.22	38.18	38.20	38.25	38.30	38.41
COTAS PROJ.			38.27	38.10	38.16	38.10	38.25	38.30	
COTAS VERM.			-0.05	-0.12	-0.02	-0.10	-0.08		



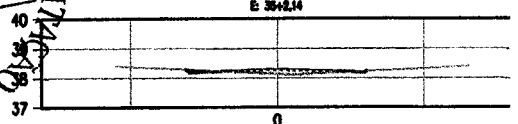
COTAS TN	38.44	38.34	38.29	38.24	38.14	38.24	38.29	38.34	38.44
COTAS PROJ.			38.28	38.11	38.17	38.11	38.29	38.34	
COTAS VERM.			-0.01	-0.12	0.03	-0.13	0.01		

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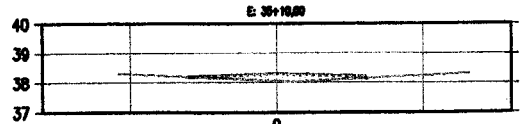
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 17/1



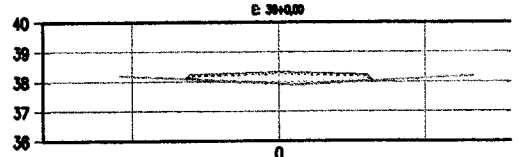
COTAS TN	38,42	38,35	38,30	38,25	38,14	38,20	38,25	38,30	38,40	38,40
COTAS PROJ.			38,30	38,21	38,27	38,21	38,30	38,30		
COTAS VERM.		-0,05	-0,04	0,12	0,01	-0,09	0,00	0,00		



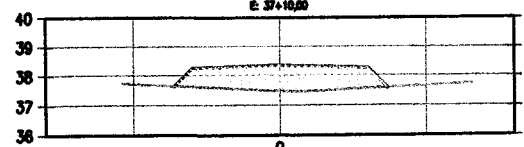
COTAS TN	38,40	38,33	38,28	38,23	38,13	38,17	38,22	38,27	38,37	38,40
COTAS PROJ.			38,28	38,21	38,27	38,21	38,28	38,28		
COTAS VERM.		-0,07	-0,02	0,14	0,04	-0,06	0,00	0,00		



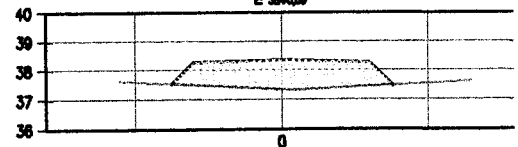
COTAS TN	38,32	38,25	38,20	38,15	38,05	38,09	38,14	38,19	38,29	38,32
COTAS PROJ.			38,20	38,22	38,28	38,22	38,19	38,19	38,29	38,32
COTAS VERM.		-0,08	0,07	0,23	0,13	0,00	0,00	0,00		



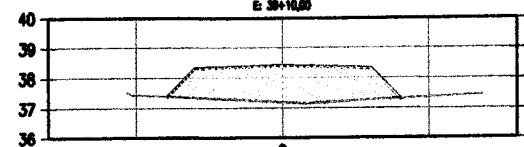
COTAS TN	38,21	38,14	38,09	38,04	37,94	37,97	38,02	38,07	38,17	38,20
COTAS PROJ.			38,09	38,24	38,30	38,24	38,31	38,31	38,17	38,20
COTAS VERM.		0,02	0,20	0,36	0,27	0,03	0,00	0,00		



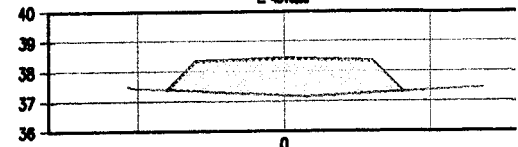
COTAS TN	37,75	37,68	37,63	37,58	37,48	37,52	37,57	37,62	37,72	37,75
COTAS PROJ.		37,66	37,26	37,29	37,35	37,29	37,26	37,30	37,41	37,45
COTAS VERM.		-0,00	-0,63	0,71	0,87	0,77	-0,60	-0,00	0,00	0,00



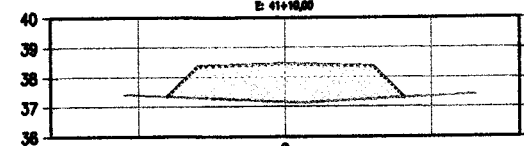
COTAS TN	37,83	37,55	37,50	37,45	37,35	37,40	37,45	37,50	37,60	37,63
COTAS PROJ.		37,54	38,28	38,31	38,37	38,31	38,28	37,49	37,60	37,63
COTAS VERM.		0,00	0,78	0,86	1,02	0,91	0,83	0,00	0,00	0,00



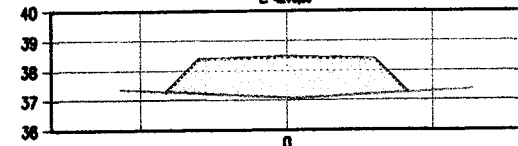
COTAS TN	37,53	37,39	37,34	37,29	37,19	37,21	37,26	37,31	37,41	37,45
COTAS PROJ.		37,38	38,33	38,36	38,42	38,36	38,33	38,33	37,41	37,45
COTAS VERM.		-0,00	-0,90	1,07	1,23	1,15	-1,07	-0,00	0,00	0,00



COTAS TN	37,53	37,39	37,34	37,29	37,19	37,21	37,26	37,31	37,41	37,45
COTAS PROJ.		37,38	38,34	38,37	38,43	38,37	38,34	37,28	37,41	37,45
COTAS VERM.		-0,00	-1,00	1,08	1,24	1,16	-1,08	0,00	0,00	0,00



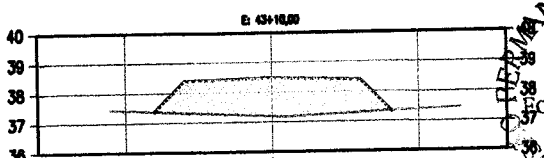
COTAS TN	37,43	37,36	37,31	37,26	37,16	37,21	37,26	37,31	37,41	37,43
COTAS PROJ.		37,36	38,37	38,40	38,46	38,40	38,37	38,37	37,41	37,43
COTAS VERM.		-0,00	-1,07	1,15	1,31	1,20	-1,12	-0,00	0,00	0,00



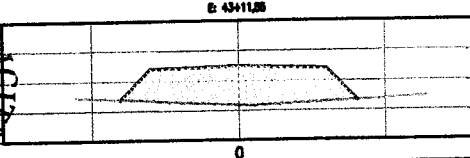
COTAS TN	37,37	37,29	37,24	37,19	37,09	37,16	37,21	37,26	37,36	37,38
COTAS PROJ.		37,28	38,38	38,41	38,47	38,41	38,38	37,28	37,36	37,38
COTAS VERM.		-0,00	-1,14	1,22	1,38	1,25	-1,17	-0,00	0,00	0,00

JOTA BARROS PER
 Arthur M. Costa Jr
 Eng. Civil - CREA 536

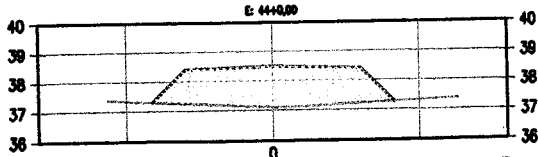
SECRETARIA DE TRANSPORTES
 172
 172



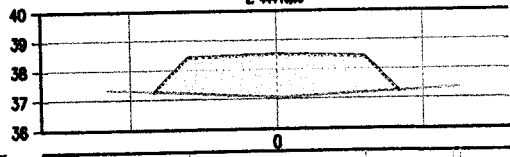
COTAS TN	37.47	37.39	37.34	37.29	37.19	37.24	37.29	37.34	37.44
COTAS PROJ.		37.28	38.41	38.44	38.50	38.44	38.41	37.86	
COTAS VERM.		0.08	1.07	1.15	1.31	1.19	1.11	0.06	



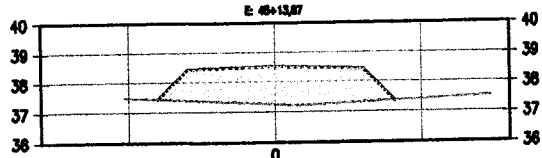
COTAS TN	37.47	37.39	37.34	37.29	37.19	37.25	37.30	37.35	37.44
COTAS PROJ.		37.28	38.41	38.44	38.50	38.44	38.41	37.86	
COTAS VERM.		0.08	1.07	1.15	1.31	1.19	1.11	0.06	



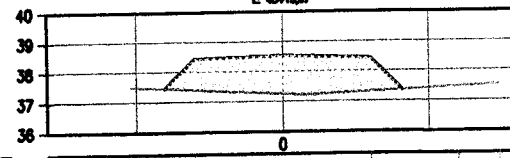
COTAS TN	37.39	37.30	37.25	37.20	37.10	37.17	37.22	37.27	37.36
COTAS PROJ.		37.42	38.42	38.45	38.51	38.45	38.42	37.88	
COTAS VERM.		0.09	1.16	1.24	1.40	1.28	1.20	0.65	



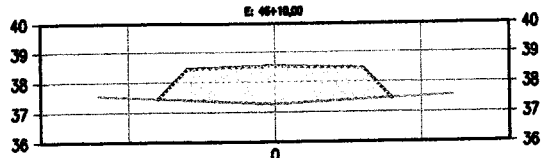
COTAS TN	37.36	37.27	37.22	37.17	37.07	37.14	37.19	37.24	37.33
COTAS PROJ.		37.43	38.43	38.46	38.52	38.46	38.43	37.88	
COTAS VERM.		0.08	1.21	1.29	1.45	1.31	1.23	0.68	



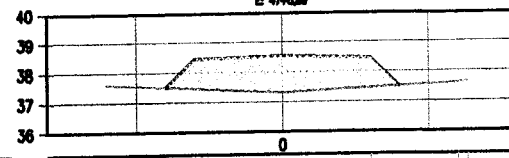
COTAS TN	37.51	37.45	37.40	37.35	37.25	37.27	37.32	37.37	37.47
COTAS PROJ.		37.45	38.45	38.48	38.54	38.48	38.45	37.89	
COTAS VERM.		0.00	1.04	1.12	1.28	1.21	1.13	0.09	



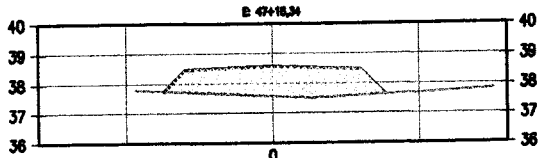
COTAS TN	37.51	37.45	37.40	37.35	37.25	37.27	37.32	37.37	37.47
COTAS PROJ.		37.45	38.45	38.48	38.54	38.48	38.45	37.89	
COTAS VERM.		0.00	1.05	1.13	1.29	1.21	1.13	0.00	



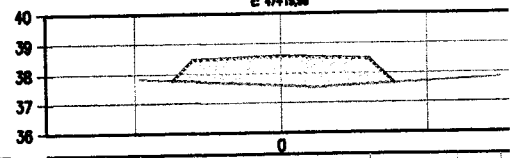
COTAS TN	37.59	37.46	37.41	37.36	37.26	37.36	37.41	37.46	37.56
COTAS PROJ.		37.46	38.46	38.49	38.55	38.49	38.46	37.46	
COTAS VERM.		0.00	1.05	1.13	1.29	1.13	1.05	0.00	



COTAS TN	37.51	37.51	37.46	37.41	37.31	37.41	37.46	37.51	37.61
COTAS PROJ.		37.46	38.47	38.50	38.56	38.50	38.47	37.51	
COTAS VERM.		0.00	1.01	1.09	1.25	1.09	1.00	0.00	



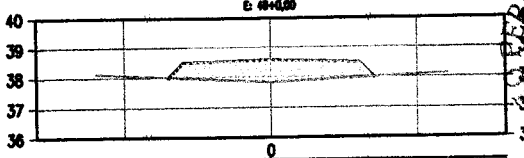
COTAS TN	37.81	37.76	37.73	37.68	37.58	37.55	37.60	37.65	37.75
COTAS PROJ.		37.76	38.49	38.52	38.58	38.52	38.49	37.64	
COTAS VERM.		0.00	0.76	0.84	1.00	0.97	0.89	0.00	



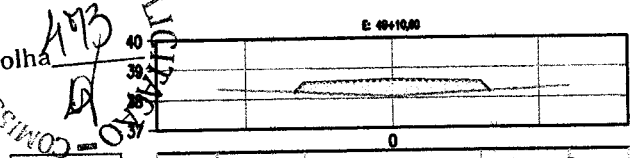
COTAS TN	37.84	37.80	37.75	37.70	37.60	37.57	37.62	37.67	37.76
COTAS PROJ.		37.79	38.49	38.52	38.58	38.52	38.49	37.66	
COTAS VERM.		0.00	0.74	0.82	0.98	0.95	0.87	0.00	

JOTA BANK S/A
 Arthur Wilson Jr
 ENGENHEIRO - CREA 03

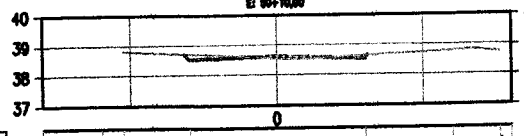
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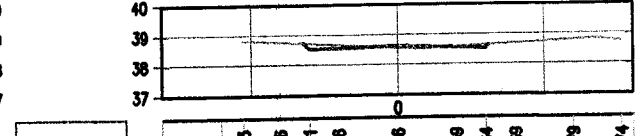
COTAS TN	38.13	38.03	38.50	37.93	37.83	38.03	38.13
COTAS PROJ.		38.01	38.50	38.53	38.50	38.50	
COTAS VERM.		-0.00	-0.52	0.60	0.76	0.61	



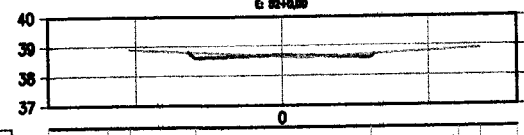
COTAS TN	38.35	38.25	38.20	38.15	38.05	38.15	38.20	38.25	38.35
COTAS PROJ.		38.20	38.20	38.54	38.60	38.54	38.20		
COTAS VERM.		0.00	0.39	0.55	0.40	0.30			



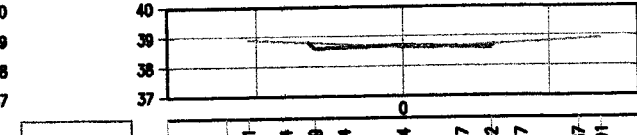
COTAS TN	38.82	38.76	38.71	38.66	38.56	38.58	38.63	38.68	38.79	38.74
COTAS PROJ.		38.54	38.57	38.63	38.63	38.57	38.64	38.68		
COTAS VERM.		-0.09	-0.09	0.07	-0.02	-0.00				



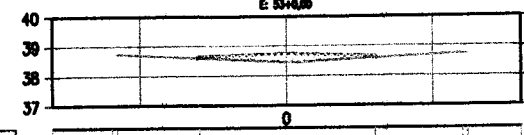
COTAS TN	38.83	38.76	38.71	38.66	38.56	38.58	38.64	38.68	38.79	38.74
COTAS PROJ.		38.54	38.57	38.63	38.63	38.57	38.64	38.68		
COTAS VERM.		-0.09	-0.10	0.06	-0.02	-0.00				



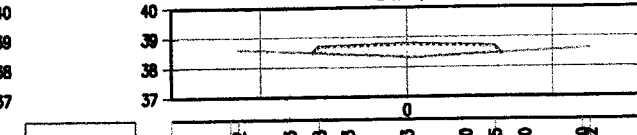
COTAS TN	38.91	38.85	38.80	38.75	38.65	38.67	38.72	38.77	38.87	38.91
COTAS PROJ.		38.60	38.63	38.69	38.63	38.69	38.72	38.77		
COTAS VERM.		-0.09	-0.11	0.05	-0.04	-0.00				



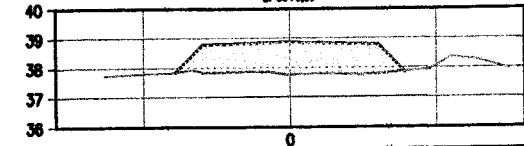
COTAS TN	38.91	38.84	38.79	38.74	38.64	38.67	38.72	38.77	38.87	38.91
COTAS PROJ.		38.60	38.64	38.70	38.64	38.69	38.72	38.77		
COTAS VERM.		-0.09	-0.11	0.05	-0.03	-0.00				



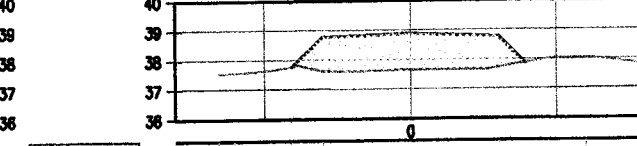
COTAS TN	38.75	38.66	38.61	38.56	38.46	38.54	38.59	38.64	38.74
COTAS PROJ.		38.66	38.69	38.75	38.69	38.69	38.64		
COTAS VERM.		-0.00	0.14	0.30	0.15	0.00			



COTAS TN	38.62	38.53	38.48	38.43	38.33	38.40	38.45	38.50	38.60
COTAS PROJ.		38.60	38.72	38.78	38.72	38.72	38.69		
COTAS VERM.		0.02	0.28	0.45	0.32	0.04			



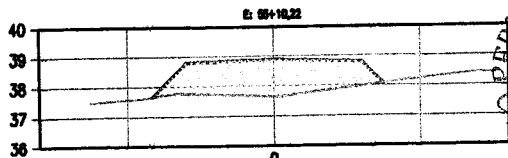
COTAS TN	37.76	37.86	37.85	37.86	37.76	37.78	37.80	37.82	38.32	37.98
COTAS PROJ.		37.86	37.86	37.86	37.86	37.81	37.80	37.82	38.32	37.98
COTAS VERM.		0.00	0.02	0.06	1.11	1.03	0.98	0.90		



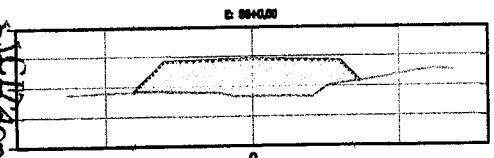
COTAS TN	37.56	37.56	37.80	37.63	37.62	37.67	37.67	37.74	37.90	38.04	37.82
COTAS PROJ.		37.80	37.80	37.63	37.62	37.67	37.67	37.74	37.90	38.04	37.82
COTAS VERM.		0.00	1.17	1.21	1.22	1.16	1.06	0.80			

COTA LARGA SPC
 Arthur Moreira Jr
 Eng. CIA - CREA 500

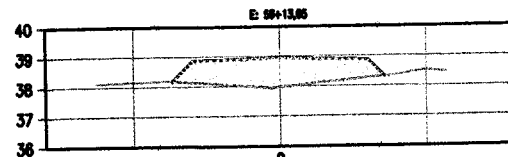
PERMANENTE DE
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 COMISSÃO



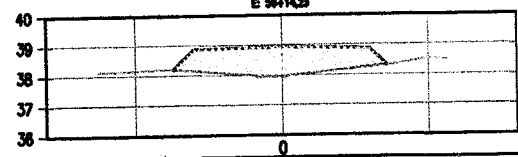
COTAS TN	37.99	37.88	37.77	37.72	37.64	37.87	37.99	38.11	38.35	38.42
COTAS PROJ.	37.99	38.81	38.84	38.90	38.84	38.81	38.99	38.99	38.35	38.42
COTAS VERM.	0.00	1.04	1.11	1.26	0.97	0.82	0.00	0.00	0.00	0.00



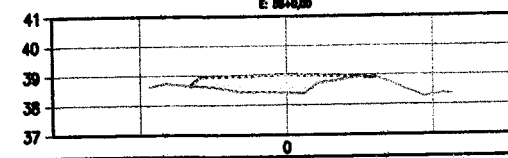
COTAS TN	37.97	37.84	37.84	37.81	37.87	37.85	38.00	38.24	38.55	38.52
COTAS PROJ.	37.97	37.84	37.84	37.81	37.87	37.85	38.00	38.24	38.55	38.52
COTAS VERM.	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00



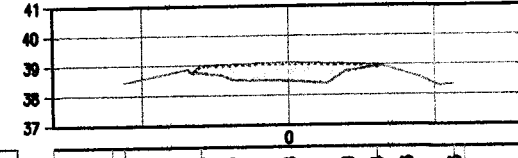
COTAS TN	38.19	38.21	38.14	38.07	37.96	38.16	38.26	38.37	38.47
COTAS PROJ.	38.20	38.88	38.81	38.87	38.97	38.91	38.88	38.82	38.47
COTAS VERM.	0.00	0.73	0.67	0.80	1.00	0.74	0.61	0.00	0.00



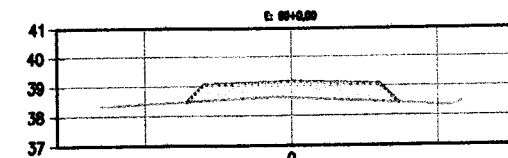
COTAS TN	38.14	38.22	38.15	38.08	37.94	38.16	38.26	38.36	38.46
COTAS PROJ.	38.14	38.21	38.88	38.91	38.97	38.91	38.88	38.82	38.46
COTAS VERM.	0.00	0.72	0.83	0.83	1.03	0.75	0.62	0.00	0.00



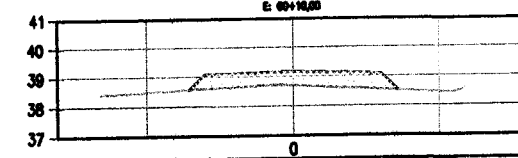
COTAS TN	38.66	38.74	38.65	38.52	38.41	38.87	38.95	38.56	38.37
COTAS PROJ.	38.67	38.88	38.88	38.94	39.04	38.98	38.95	38.56	38.37
COTAS VERM.	0.00	0.14	0.23	0.42	0.63	0.11	0.00	0.00	0.00



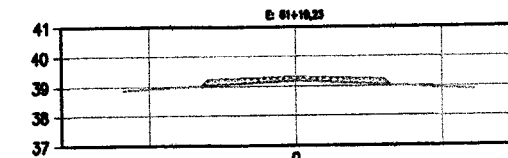
COTAS TN	38.46	38.77	38.75	38.58	38.48	38.79	38.94	38.73	38.33
COTAS PROJ.	38.46	38.77	38.75	38.81	38.87	38.81	38.88	38.73	38.33
COTAS VERM.	0.00	0.31	0.43	0.27	0.39	0.02	0.00	0.00	0.00



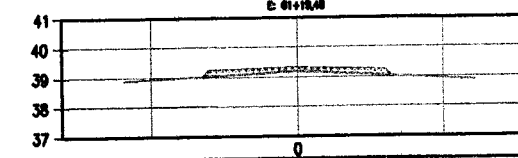
COTAS TN	38.33	38.36	38.46	38.51	38.61	38.51	38.46	38.41	38.46
COTAS PROJ.	38.48	38.07	38.10	38.10	38.16	38.10	38.07	38.43	38.46
COTAS VERM.	0.00	0.56	0.36	0.41	0.45	0.39	0.41	0.00	0.00



COTAS TN	38.42	38.44	38.54	38.59	38.64	38.69	38.80	38.55	38.56
COTAS PROJ.	38.57	38.10	38.13	38.13	38.19	38.19	38.13	38.10	38.56
COTAS VERM.	0.00	0.50	0.48	0.48	0.48	0.48	0.53	0.55	0.00



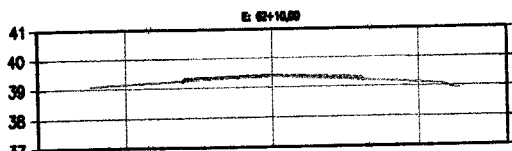
COTAS TN	38.88	38.99	39.04	39.09	39.19	39.10	39.05	39.00	38.88
COTAS PROJ.	39.03	39.24	39.24	39.30	39.30	39.24	39.05	39.00	38.88
COTAS VERM.	0.00	0.16	0.16	0.12	0.12	0.15	0.00	0.00	0.00



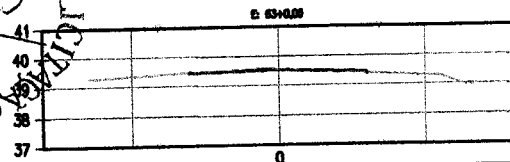
COTAS TN	38.90	38.99	39.04	39.09	39.19	39.10	39.05	39.00	38.88
COTAS PROJ.	39.02	39.25	39.25	39.31	39.31	39.25	39.05	39.00	38.88
COTAS VERM.	0.12	0.26	0.21	0.22	0.12	0.15	0.00	0.00	0.00

COTA BANCY PRO
 Arthur Moreira Tom
 Eng. POA - CREA 69500

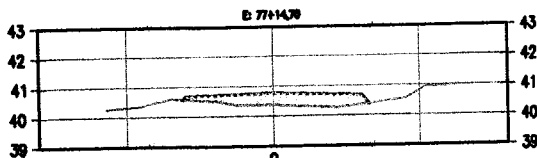
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 175



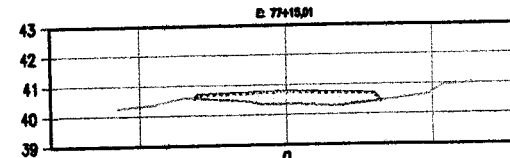
COTAS TN	39,99	39,20	39,25	39,30	39,36	39,28	39,23	39,18	39,93
COTAS PROJ.			0,06	0,04	0,02	0,06	0,06	0,06	
COTAS VERM.									



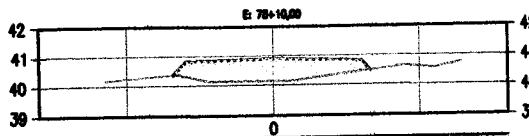
COTAS TN	39,30	39,40	39,45	39,50	39,56	39,46	39,40	39,35	39,10	39,97
COTAS PROJ.			0,05	-0,03	-0,03	0,01	0,06	0,06		
COTAS VERM.										



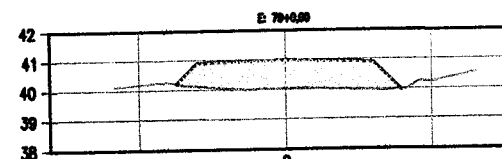
COTAS TN	40,36	40,30	40,56	40,51	40,38	40,29	40,37	40,50	40,98
COTAS PROJ.			0,06	0,20	0,39	0,42	0,33	0,36	0,36
COTAS VERM.									



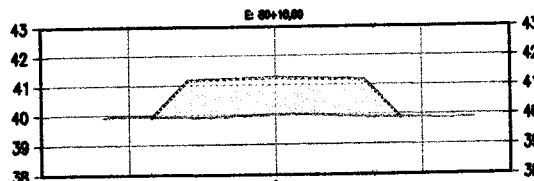
COTAS TN	40,28	40,49	40,56	40,51	40,37	40,31	40,43	40,55	40,98
COTAS PROJ.			0,07	0,21	0,41	0,41	0,26	0,26	0,26
COTAS VERM.									



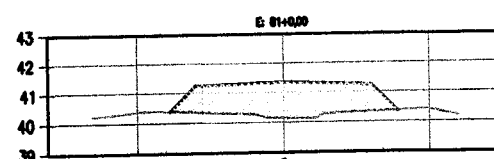
COTAS TN	40,19	40,33	40,32	40,13	40,13	40,32	40,45	40,58	40,97
COTAS PROJ.			0,03	0,72	0,78	0,53	0,37	0,36	0,36
COTAS VERM.									



COTAS TN	40,13	40,27	40,11	40,04	40,03	39,99	39,96	39,97	40,43	40,54
COTAS PROJ.			0,00	0,78	0,89	0,97	0,85	0,95	0,00	0,00
COTAS VERM.										



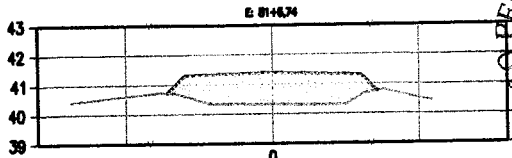
COTAS TN	39,95	39,95	39,93	39,93	40,00	39,96	39,92	39,91	39,88	39,91
COTAS PROJ.			1,24	1,27	1,26	1,24	1,25	0,28	0,28	0,28
COTAS VERM.										



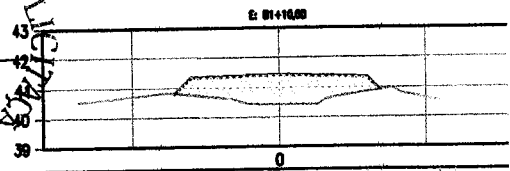
COTAS TN	40,23	40,36	40,40	40,36	40,32	40,15	40,31	40,34	40,38	40,21
COTAS PROJ.			0,00	-0,90	0,97	1,20	0,96	0,91	0,90	0,00
COTAS VERM.										

JOTA BARROZ S. RO.
 Arthur Maciel Tava
 Eng. Civil - CREA 0002

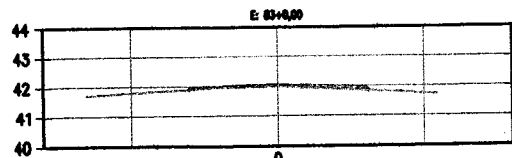
COMISSÃO PERMANENTE DE LICITAÇÃO
 Folha 496
 02/07/2012



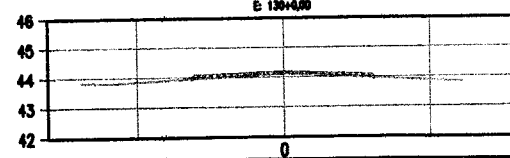
COTAS TN	40.43	40.52	40.72	40.81	40.35	40.32	40.30	40.81	40.74	40.44
COTAS PROJ.			40.73	41.32	41.35	41.41	41.35	41.32	40.77	
COTAS VERM.			0.00	0.71	1.00	1.09	1.05	0.71	0.00	



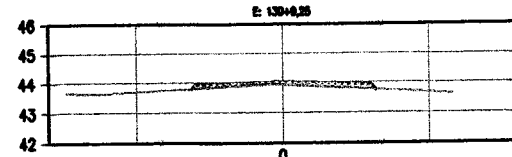
COTAS TN	40.54	40.62	40.82	40.76	40.86	40.43	40.88	40.86	40.91	40.54
COTAS PROJ.			40.81	41.35	41.38	41.44	41.38	41.35	40.85	
COTAS VERM.			0.89	0.89	0.71	1.01	0.89	0.89	0.00	



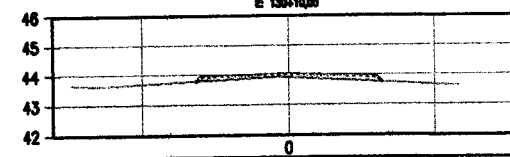
COTAS TN	41.73	41.75	41.85	41.90	41.95	42.00	41.90	41.85	41.80	41.72
COTAS PROJ.			41.98	41.97	41.97	42.03	41.97	41.94		
COTAS VERM.			0.08	0.02	0.03	0.07	0.00			



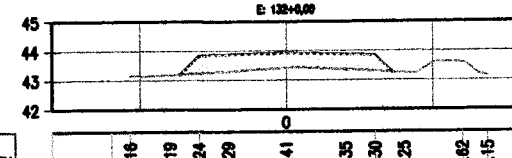
COTAS TN	43.85	43.81	43.91	43.96	44.01	44.11	44.03	43.98	43.93	43.83
COTAS PROJ.			43.85	44.10	44.10	44.16	44.10	43.98	43.93	
COTAS VERM.			0.09	0.09	0.04	0.07	0.00			



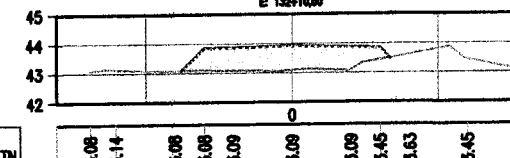
COTAS TN	43.88	43.86	43.76	43.81	43.86	43.93	43.83	43.78	43.73	43.65
COTAS PROJ.			43.84	43.87	43.86	44.03	43.97	43.99		
COTAS VERM.			0.08	0.11	0.10	0.14	0.00			



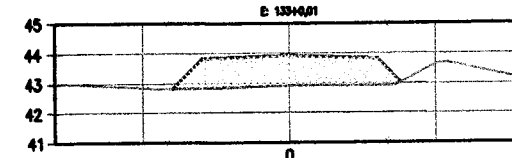
COTAS TN	43.87	43.86	43.75	43.80	43.85	43.92	43.82	43.77	43.72	43.63
COTAS PROJ.			43.88	43.96	43.85	44.02	43.96	43.96	43.76	
COTAS VERM.			0.00	0.11	0.10	0.14	0.00			



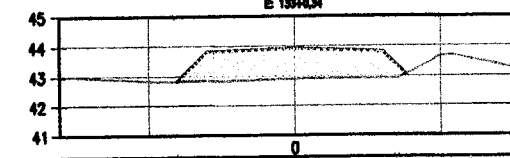
COTAS TN	43.16	43.19	43.24	43.24	43.29	43.41	43.35	43.30	43.25	43.02	43.15
COTAS PROJ.		43.21	43.84	43.87	43.87	43.93	43.87	43.84	43.27		
COTAS VERM.		0.00	0.80	0.58	0.53	0.52	0.54	0.00			



COTAS TN	43.08	43.14	43.08	43.08	43.09	43.09	43.09	43.09	43.45	43.63	43.45
COTAS PROJ.			43.08	43.04	43.09	43.93	43.87	43.84	43.51		
COTAS VERM.			0.00	0.78	0.78	0.84	0.78	0.38	0.00		



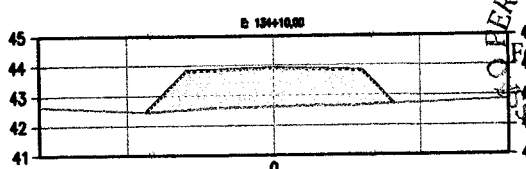
COTAS TN	43.03	42.92	42.85	42.85	42.86	42.92	42.93	42.93	43.13	43.58	43.15
COTAS PROJ.			42.85	43.84	43.87	43.93	43.87	43.84	43.03		
COTAS VERM.			0.00	0.99	1.00	1.01	0.93	0.90	0.00		



COTAS TN	43.01	42.91	42.84	42.84	42.86	42.92	42.93	42.93	43.17	43.58
COTAS PROJ.			42.84	43.84	43.87	43.93	43.87	43.84	43.05	
COTAS VERM.			0.00	1.00	1.01	1.01	0.94	0.91	0.00	

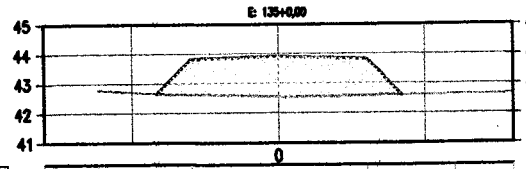
ATA DA COMISSÃO PERMANENTE DE LICITAÇÃO
 Arthur Moreira Tol
 Eng.º CIVIL - ORLA 5950

GERMANBENTE DE LULA
 Folha 1/17
 COMANDO



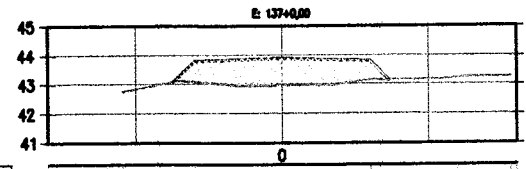
COTAS TN	42.66	42.54	42.48	42.53	42.58	42.62	42.65	42.67	42.71	42.79	42.86
COTAS PROJ.			42.62	43.82	43.85	43.91	43.85	43.82	43.89		
COTAS VERM.			0.98	1.30	1.27	1.29	1.20	1.18	0.60		

COTAS TN	42.76	42.72	42.60	42.56	42.54	42.54	42.58	42.57	42.56	42.60
COTAS PROJ.			42.62	43.82	43.85	43.91	43.85	43.82	42.97	
COTAS VERM.			0.92	1.26	1.32	1.37	1.27	1.25	0.26	



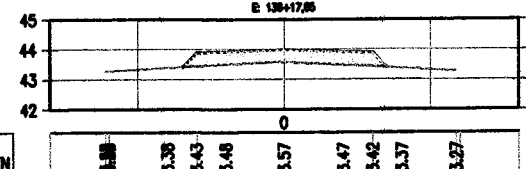
COTAS TN	42.78	42.66	42.63	42.60	42.55	42.57	42.58	42.60	42.64	42.66
COTAS PROJ.		42.67	43.82	43.85	43.91	43.85	43.82	42.80		
COTAS VERM.		0.99	1.19	1.25	1.36	1.28	1.24	0.28		

COTAS TN	42.87	42.85	42.78	42.75	42.72	42.75	42.75	42.76	42.84	42.86
COTAS PROJ.		42.85	43.82	43.85	43.91	43.85	42.75			
COTAS VERM.		0.60	1.03	1.12	1.16	1.10	1.07	0.08		



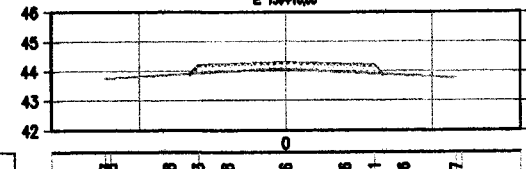
COTAS TN	42.77	43.04	43.08	42.99	42.96	43.00	43.14	43.16	43.23	43.26
COTAS PROJ.		43.10	43.80	43.83	43.89	43.83	43.80	43.15		
COTAS VERM.		0.80	0.72	0.84	0.94	0.83	0.87	0.00		

COTAS TN	42.79	42.87	42.92	42.97	43.07	43.01	42.96	42.91	42.81	43.31
COTAS PROJ.		42.88	43.80	43.83	43.88	43.83	43.80	42.92		
COTAS VERM.		0.00	0.86	0.86	0.82	0.82	0.84	0.00		



COTAS TN	43.88	43.38	43.43	43.48	43.57	43.47	43.42	43.37	43.27	
COTAS PROJ.		43.41	43.80	43.92	43.98	43.92	43.89	43.39		
COTAS VERM.		0.00	0.46	0.44	0.41	0.45	0.47	0.00		

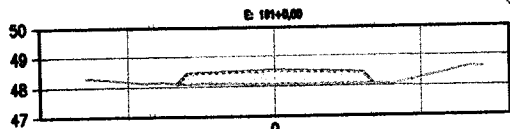
COTAS TN	43.88	43.38	43.43	43.48	43.57	43.47	43.42	43.37	43.27	
COTAS PROJ.		43.41	43.80	43.92	43.98	43.92	43.89	43.39		
COTAS VERM.		0.00	0.46	0.44	0.41	0.45	0.47	0.00		



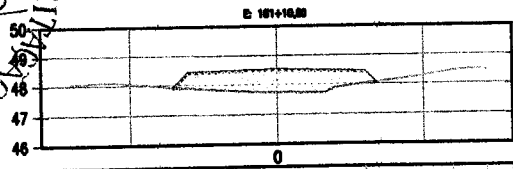
COTAS TN	43.76	43.88	43.93	43.98	44.06	43.96	43.91	43.86	43.77	
COTAS PROJ.		43.91	44.22	44.28	44.22	43.91	43.86			
COTAS VERM.		0.21	0.24	0.22	0.26	0.28	0.28			

COTAS TN	44.21	44.42	44.47	44.52	44.61	44.51	44.46	44.41	44.32	
COTAS PROJ.		44.46	44.82	44.88	44.62	44.46	44.41			
COTAS VERM.		0.10	0.07	0.11	0.11	0.08	0.08			

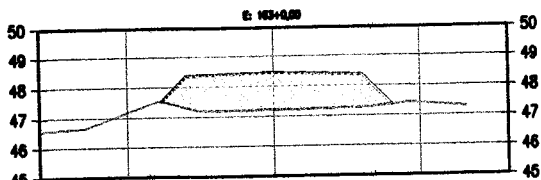
JOAQUIM DE
 Arthur Moreira To.
 Eng. Civil - CREA 590



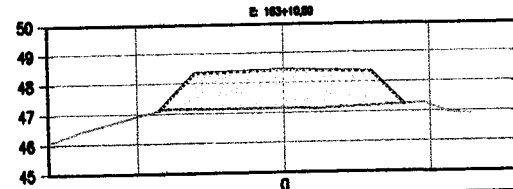
COTAS TN	48,31	48,13	48,06	48,06	48,05	48,05	48,06	48,04	48,46	48,61
COTAS PROJ.		48,13	48,46	48,52	48,46	48,46	48,46	48,04		
COTAS VERM.	0,00	0,37	0,47	0,41	0,37	0,37	0,37	0,37		



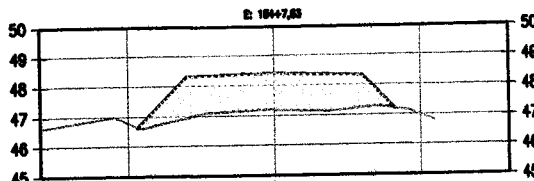
COTAS TN	48,05	48,10	47,99	47,99	47,83	47,74	47,89	48,02	48,15	48,43	48,47
COTAS PROJ.			47,92	48,42	48,45	48,51	48,45	48,42	48,15	48,43	48,47
COTAS VERM.	0,00	0,53	0,61	0,77	0,56	0,48	0,48	0,48	0,48	0,48	0,47



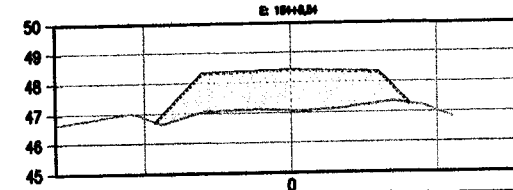
COTAS TN	46,56	46,63	47,33	47,31	47,20	47,21	47,24	47,27	47,36	47,35	47,30
COTAS PROJ.			47,55	48,37	48,40	48,46	48,40	48,37	47,36		
COTAS VERM.	0,00	1,06	1,20	1,25	1,15	1,10	0,00	0,00	0,00	0,00	0,00



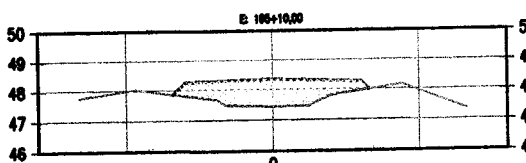
COTAS TN	46,11	46,67	47,16	47,16	47,16	47,16	47,17	47,21	47,25	48,92
COTAS PROJ.			47,55	48,35	48,38	48,44	48,38	48,35	47,25	48,92
COTAS VERM.	0,00	1,19	1,22	1,28	1,21	1,14	0,00	0,00	0,00	0,00



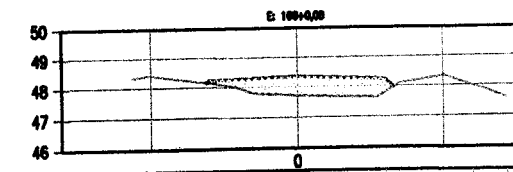
COTAS TN	46,62	46,91	46,72	46,94	47,11	47,18	47,14	47,23	47,22	46,91
COTAS PROJ.			46,65	47,32	48,32	48,35	48,35	48,32	47,22	46,91
COTAS VERM.	0,00	0,00	1,36	1,24	1,23	1,21	1,08	0,00	0,00	0,00



COTAS TN	46,64	46,94	46,76	47,04	47,08	47,06	47,16	47,29	47,28	46,84
COTAS PROJ.			46,73	47,32	48,32	48,35	48,41	48,35	47,28	46,84
COTAS VERM.	0,00	0,56	1,26	1,26	1,34	1,18	1,03	0,00	0,00	0,00

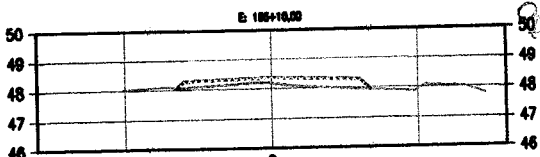


COTAS TN	47,77	47,96	47,96	47,82	47,68	47,45	47,82	47,96	48,10	47,59	47,35
COTAS PROJ.			47,97	48,30	48,30	48,36	48,30	48,30	48,10	47,59	47,35
COTAS VERM.	0,00	0,62	0,92	0,49	0,33	0,33	0,33	0,33	0,33	0,33	0,33

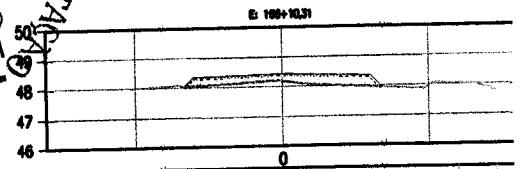


COTAS TN	48,36	48,30	48,16	47,96	47,73	47,66	47,66	47,66	48,19	48,91	47,59
COTAS PROJ.			48,28	48,29	48,35	48,29	48,29	48,29	48,19	48,91	47,59
COTAS VERM.	0,00	0,29	0,62	0,62	0,62	0,62	0,62	0,62	0,62	0,62	0,62

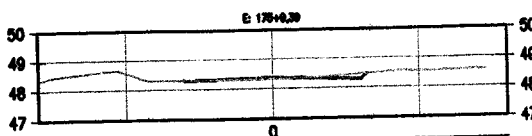
[Signature]
 COTA BARRIOS PROJ
 André Marcha Jorge
 ENG. CIVIL - CREA 53607/E



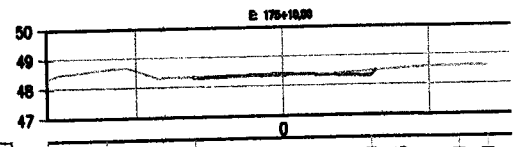
COTAS TN		48.03	48.09	48.07	48.12	48.16	48.01	47.96	47.92	48.05	47.76
COTAS PROJ.			48.06	48.33		48.39	48.33	47.96	47.92		
COTAS VERM.		0.03	0.21	0.21	0.21	0.32	0.33	0.03	0.03		



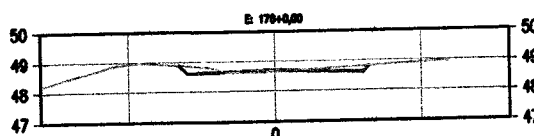
COTAS TN		48.00	48.06	48.06	48.11	48.19	48.02	47.97	47.92	48.04	47.79
COTAS PROJ.			48.06	48.33		48.39	48.33	47.97	47.92		
COTAS VERM.		0.00	0.22	0.20	0.31	0.33	0.03	0.03	0.03		



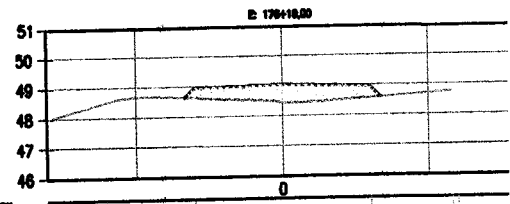
COTAS TN	48.34	48.62	48.32	48.32	48.32	48.33	48.40	48.47	48.53	48.59	48.58
COTAS PROJ.			48.32	48.32	48.32	48.38	48.32	48.47	48.53		
COTAS VERM.			0.00	0.00	0.05	0.05	-0.08	0.00	0.00		



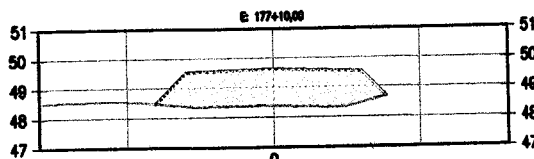
COTAS TN	48.36	48.64	48.33	48.33	48.33	48.35	48.41	48.48	48.55	48.61	48.61
COTAS PROJ.			48.33	48.33	48.33	48.40	48.34	48.48	48.55		
COTAS VERM.			0.00	0.00	0.05	0.05	-0.08	0.00	0.00		



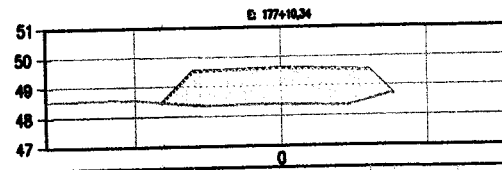
COTAS TN	48.22	48.76	48.94	48.86	48.74	48.66	48.75	48.80	48.86	48.96
COTAS PROJ.			48.87	48.86	48.64	48.70	48.64	48.80	48.86	
COTAS VERM.			0.05	-0.10	0.05	-0.11	0.06	0.06	0.06	



COTAS TN	47.96	48.50	48.67	48.62	48.57	48.44	48.50	48.57	48.64	48.77
COTAS PROJ.			48.66	48.62	48.57	49.04	48.98	48.57	48.64	
COTAS VERM.			0.00	0.40	0.60	0.47	0.37	0.00	0.00	

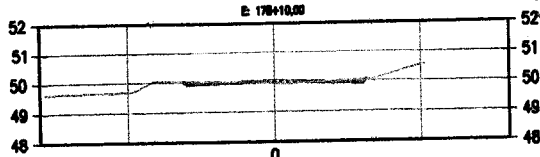


COTAS TN	48.52	48.57	48.49	48.38	48.36	48.38	48.33	48.47	48.70
COTAS PROJ.			48.66	48.53	48.56	49.62	49.56	48.53	48.70
COTAS VERM.			0.00	-1.15	1.20	1.25	1.23	-1.06	0.00

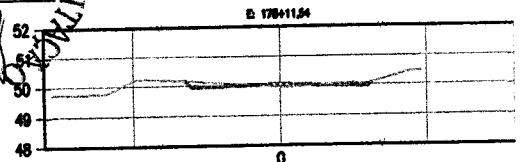


COTAS TN	48.53	48.59	48.46	48.37	48.38	48.38	48.35	48.53	48.74
COTAS PROJ.			48.59	48.54	48.57	49.63	49.57	48.54	48.74
COTAS VERM.			0.00	-1.16	1.19	1.24	1.22	-1.01	0.00

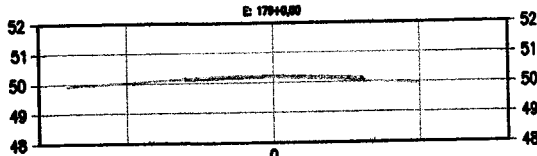
ATA DA LICITAÇÃO Nº 1/00
 Arthur Moreira Nogueira
 Eng. Civil - CRCA 53300



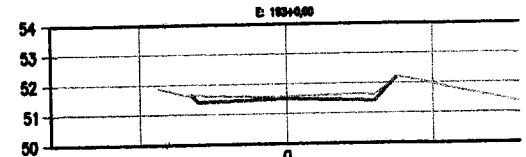
COTAS TN	48.63	48.67	50.04	50.03	50.01	49.95	50.00	50.05	50.24	50.56
COTAS PROJ.			0.00	0.06	0.07	0.02	0.04	0.06	0.09	0.08
COTAS VERM.			-0.00	-0.06	0.07	0.02	-0.04	0.06	0.09	0.08



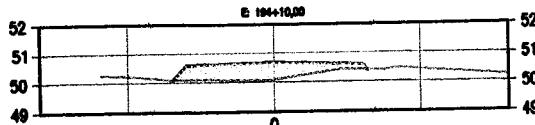
COTAS TN	48.73	48.76	50.21	50.15	50.09	49.97	50.04	50.04	50.33	50.45
COTAS PROJ.			0.00	0.06	0.09	0.08	0.05	0.05	0.08	0.08
COTAS VERM.			0.00	0.06	0.09	0.08	0.05	0.05	0.08	0.08



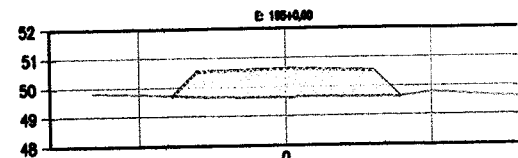
COTAS TN	49.94	49.98	50.09	50.14	50.19	50.19	50.10	50.05	50.00	49.95
COTAS PROJ.			0.00	0.03	0.03	0.02	0.06	0.07	0.05	0.04
COTAS VERM.			0.00	0.03	0.03	0.02	0.06	0.07	0.05	0.04



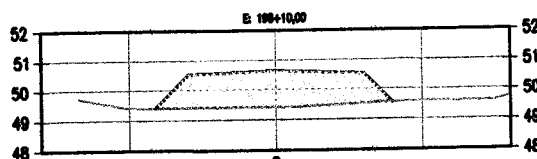
COTAS TN	51.88	51.84	51.81	51.58	51.84	51.83	52.19	51.76
COTAS PROJ.	0.00	0.15	0.05	0.17	0.19	0.00	0.00	
COTAS VERM.	0.00	0.15	0.05	0.17	0.19	0.00	0.00	



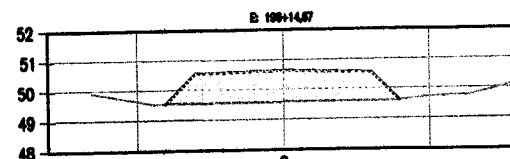
COTAS TN	50.27	50.15	50.10	50.08	50.08	50.38	50.41	50.44	50.36	50.21
COTAS PROJ.		0.00	0.08	0.53	0.60	0.24	0.17	0.14	0.06	0.00
COTAS VERM.		0.00	0.08	0.53	0.60	0.24	0.17	0.14	0.06	0.00



COTAS TN	49.82	49.81	49.73	49.67	49.66	49.63	49.65	49.64	49.66	49.75
COTAS PROJ.			0.00	0.08	0.92	1.00	0.83	0.91	0.00	0.00
COTAS VERM.			0.00	0.08	0.92	1.00	0.83	0.91	0.00	0.00

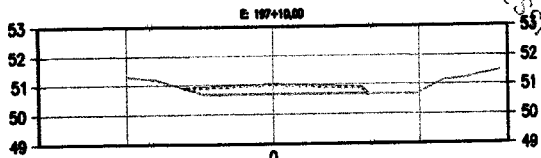


COTAS TN	48.75	48.60	48.43	48.42	48.42	48.42	48.48	48.52	48.57	48.60	48.74
COTAS PROJ.			0.00	1.12	1.16	1.22	1.10	1.02	0.00	0.00	0.00
COTAS VERM.			0.00	1.12	1.16	1.22	1.10	1.02	0.00	0.00	0.00

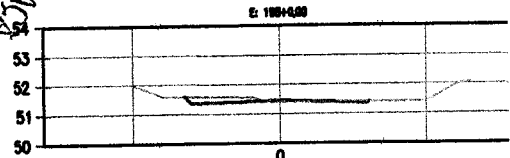


COTAS TN	48.93	48.94	48.55	48.55	48.56	48.58	48.60	48.60	48.62	48.77
COTAS PROJ.			0.00	1.01	1.03	1.07	1.00	0.97	0.00	0.00
COTAS VERM.			0.00	1.01	1.03	1.07	1.00	0.97	0.00	0.00

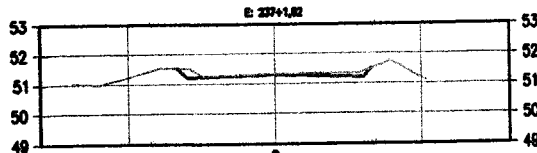
COMISSÃO PERMANENTE DE LICITAÇÃO
 ADJUIZAMENTO
 LÍQUIDAÇÃO
 LÍQUIDAÇÃO



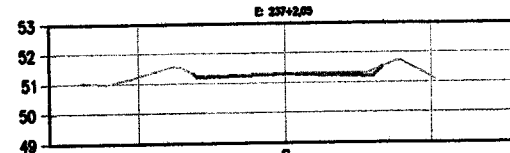
COTAS TN		51.30	51.19	50.88	50.68	50.67	50.67	50.67	51.16	51.47
COTAS PROJ.			50.88	50.83	50.89	50.83	50.89	50.89		
COTAS VERM.			0.50	0.26	0.32	0.26	0.63	0.63		



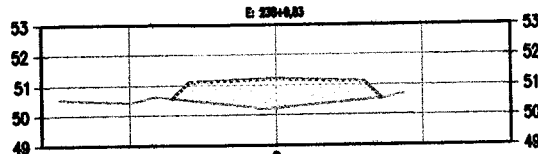
COTAS TN		51.98	51.62	51.58	51.57	51.42	51.42	51.41	51.41	51.94
COTAS PROJ.			51.59	51.40	51.46	51.40	51.46	51.46		
COTAS VERM.		-0.02	-0.18	0.04	-0.02	-0.02	-0.02	-0.02		



COTAS TN		51.04	51.00	51.33	51.52	51.26	51.34	51.34	51.39	51.72	51.10
COTAS PROJ.			51.22	51.25	51.31	51.25	51.25	51.25	51.26	51.26	
COTAS VERM.		-0.05	-0.01	-0.03	-0.09	-0.07	-0.07	-0.07	-0.07	-0.07	



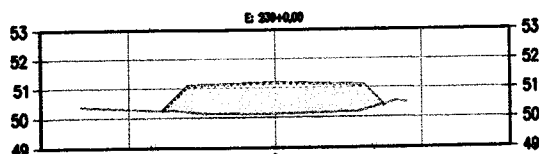
COTAS TN		51.04	51.00	51.32	51.25	51.26	51.32	51.32	51.40	51.71	51.08
COTAS PROJ.			51.28	51.25	51.31	51.25	51.25	51.25	51.33	51.33	
COTAS VERM.		-0.09	-0.01	-0.02	-0.07	-0.07	-0.07	-0.07	-0.07	-0.07	



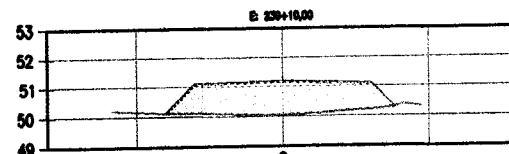
COTAS TN		50.56	50.49	50.62	50.51	50.40	50.23	50.41	50.49	50.68
COTAS PROJ.			50.57	51.11	51.14	51.20	51.14	51.11	50.54	50.68
COTAS VERM.		0.00	0.80	0.75	0.98	0.74	0.62	0.00	0.00	0.00



COTAS TN		50.55	50.49	50.62	50.50	50.39	50.23	50.40	50.49	50.68
COTAS PROJ.			50.57	51.11	51.14	51.20	51.14	51.11	50.54	50.68
COTAS VERM.		0.00	0.81	0.75	0.98	0.74	0.62	0.00	0.00	0.00

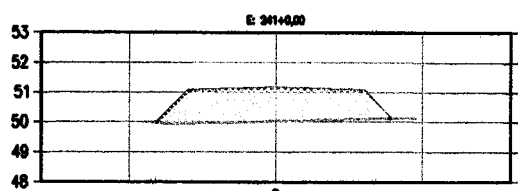


COTAS TN		50.38	50.36	50.26	50.20	50.13	50.12	50.16	50.23	50.52	50.56
COTAS PROJ.			50.25	51.10	51.13	51.19	51.13	51.10	50.42	50.52	50.56
COTAS VERM.		0.00	0.90	1.00	1.07	0.97	0.87	0.00	0.00	0.00	0.00

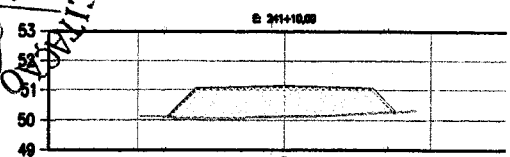


COTAS TN		50.22	50.13	50.11	50.08	50.05	50.16	50.16	50.22	50.38	50.53
COTAS PROJ.			50.13	51.09	51.12	51.16	51.12	51.09	50.32	50.38	50.53
COTAS VERM.		0.00	0.96	1.03	1.13	0.96	0.87	0.00	0.00	0.00	0.00

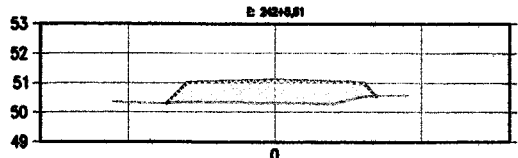
JOÃO CARLOS FERREIRA
 Arthur Moreira Tor
 Eng. Civil - CREA 5906



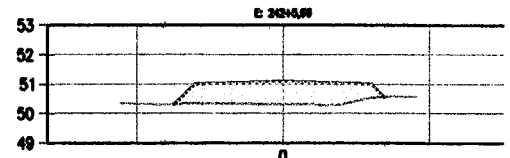
COTAS TN		50.00	50.30						
COTAS PROJ.		50.00	51.05	49.94			50.07	50.10	50.12
COTAS VERM.		0.00	1.10	51.08	49.96	1.12	51.14	50.02	50.14



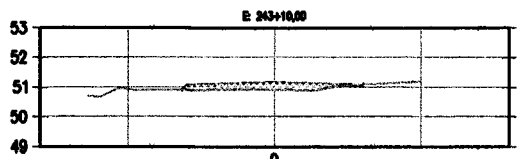
COTAS TN		50.14							
COTAS PROJ.		50.10	50.05				50.17	50.24	50.30
COTAS VERM.		0.00	0.99	51.04	50.07	1.00	51.13	50.12	50.32



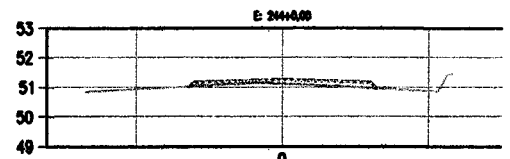
COTAS TN		50.36							
COTAS PROJ.		50.32	51.02	50.34			50.30	50.34	50.39
COTAS VERM.		0.00	0.68	51.05	50.34	0.71	51.11	51.05	50.57



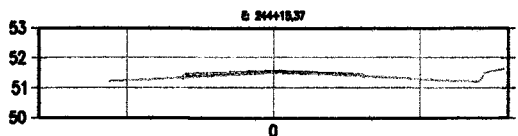
COTAS TN		50.36							
COTAS PROJ.		50.32	51.02	50.34			50.31	50.34	50.39
COTAS VERM.		0.00	0.68	51.05	50.34	0.71	51.11	51.05	50.57



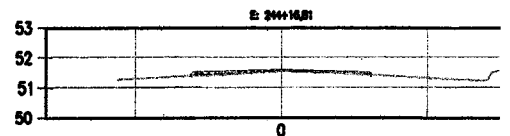
COTAS TN		50.91							
COTAS PROJ.		50.88	51.08	50.90			51.00	51.09	51.14
COTAS VERM.		0.00	0.19	51.15	50.90	0.25	51.09	51.00	51.19



COTAS TN		50.84							
COTAS PROJ.		50.80	51.03	51.08			51.12	51.02	50.98
COTAS VERM.		0.00	0.11	51.20	51.08	0.14	51.26	51.02	50.93



COTAS TN		51.23							
COTAS PROJ.		51.20	51.48	51.41			51.40	51.40	51.25
COTAS VERM.		0.00	0.07	51.54	51.41	0.03	51.48	51.40	51.65

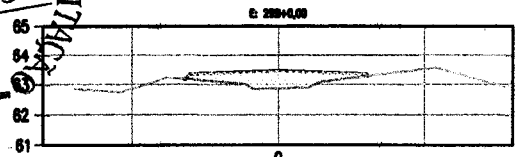


COTAS TN		51.27							
COTAS PROJ.		51.20	51.45	51.40			51.40	51.40	51.27
COTAS VERM.		0.00	0.07	51.51	51.40	0.03	51.57	51.40	51.38

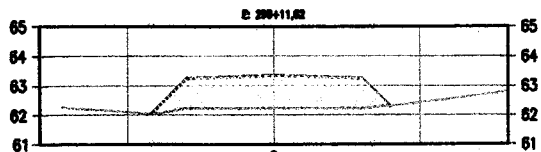
JOTA BASTOS & PRO
 Arthur Moreira Teó
 Eng. CIVIL - CRCA 5000



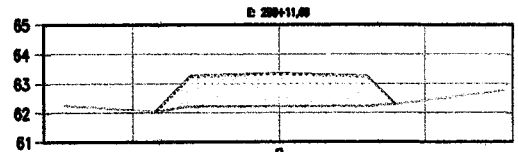
COTAS TN	63.35 63.45	63.38 63.52	63.56 63.56	63.61 63.73	63.58 63.67	63.54 63.70	63.57 63.44
COTAS PROJ.		63.54 63.67	63.67 63.73	63.67 63.73	63.67 63.73	63.70 63.70	
COTAS VERM.		0.09 0.11	0.13 0.08	0.09 0.00	0.00 0.00	0.00 0.00	



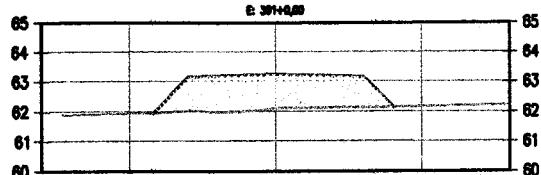
COTAS TN	62.85 62.79	63.16 63.17	63.08 63.40	62.87 63.46	63.15 63.40	63.28 63.40	63.41 63.41
COTAS PROJ.		63.17 63.40	63.40 63.46	63.46 63.46	63.40 63.40	63.28 63.40	
COTAS VERM.		0.09 0.30	0.50 0.25	0.25 0.00	0.00 0.00	0.00 0.00	



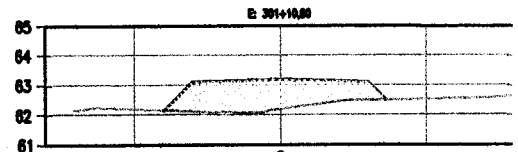
COTAS TN	62.28 62.19	62.07 62.23	62.23 62.23	62.23 62.23	62.23 62.23	62.32 62.32	62.56 62.81
COTAS PROJ.	62.28 62.27	62.27 62.30	62.30 62.30	62.30 62.27	62.27 62.32	62.32 62.32	
COTAS VERM.	0.00 1.04	1.07 1.13	1.07 1.03	0.00 0.00	0.00 0.00	0.00 0.00	



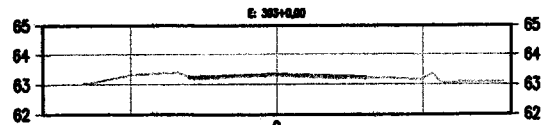
COTAS TN	62.27 62.18	62.06 62.22	62.22 62.22	62.22 62.22	62.23 62.23	62.32 62.32	62.56 62.56
COTAS PROJ.	62.27 62.27	62.27 62.30	62.30 62.30	62.30 62.31	62.31 62.32	62.32 62.32	
COTAS VERM.	0.00 1.04	1.07 1.13	1.07 1.04	0.00 0.00	0.00 0.00	0.00 0.00	



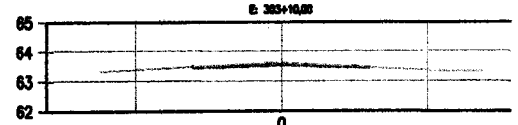
COTAS TN	61.86 61.91	61.96 62.01	61.98 61.98	62.08 62.08	62.12 62.13	62.14 62.14	62.18 62.22
COTAS PROJ.	61.96 62.01	62.01 62.01	62.01 62.01	62.01 62.01	62.01 62.01	62.01 62.01	62.01 62.01
COTAS VERM.	0.00 1.13	1.19 1.15	1.06 1.01	0.00 0.00	0.00 0.00	0.00 0.00	



COTAS TN	62.15 62.23	62.15 62.10	62.09 62.09	62.19 62.19	62.44 62.44	62.49 62.51	62.55 62.55
COTAS PROJ.	62.15 62.10	62.10 62.10	62.10 62.10	62.10 62.10	62.10 62.10	62.10 62.10	62.10 62.10
COTAS VERM.	0.00 0.09	1.04 1.00	0.09 0.00	0.00 0.00	0.00 0.00	0.00 0.00	



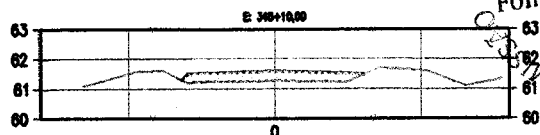
COTAS TN	63.04 63.14	63.38 63.26	63.26 63.23	63.30 63.30	63.21 63.22	63.21 63.21	63.07 63.10
COTAS PROJ.	63.04 63.14	63.26 63.26	63.26 63.26	63.26 63.26	63.26 63.26	63.26 63.26	63.07 63.10
COTAS VERM.	0.00 0.03	0.05 0.02	0.05 0.00	0.00 0.00	0.00 0.00	0.00 0.00	



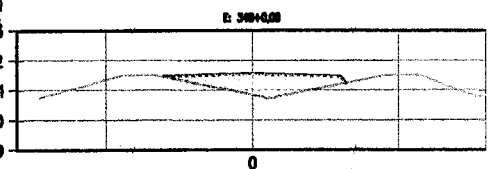
COTAS TN	63.34 63.44	63.48 63.48	63.53 63.54	63.62 63.51	63.46 63.46	63.41 63.32	63.34 63.34
COTAS PROJ.	63.34 63.44	63.48 63.48	63.48 63.54	63.54 63.51	63.46 63.46	63.41 63.32	63.34 63.34
COTAS VERM.	0.00 -0.05	-0.07 -0.03	-0.03 -0.00	0.00 0.00	0.00 0.00	0.00 0.00	

Assinatura
 Eng.º Civil

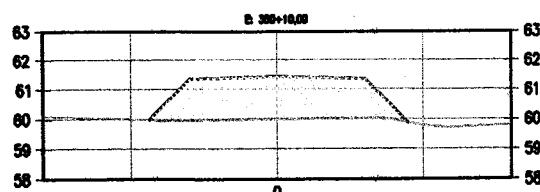
COMISSÃO PERMANENTE DE LICITAÇÃO
 Nº 484
 Folha 10



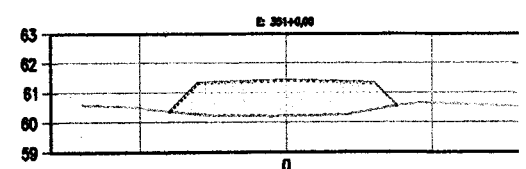
COTAS TN	61.10	61.25	61.61	61.19	61.24	61.27	61.22	61.46	61.67	61.31	61.34
COTAS PROJ.			61.39	61.52	61.58	61.52	61.46	61.49	61.67	61.31	61.34
COTAS VERM.			0.28	0.29	0.31	0.30	0.03	0.03	0.00	0.00	0.00



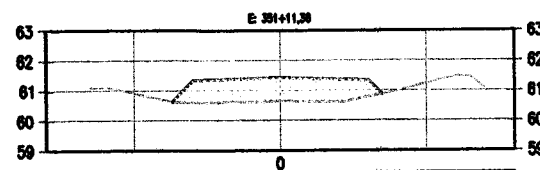
COTAS TN	60.75	61.07	61.52	61.45	61.25	60.85	61.01	61.20	61.40	61.41
COTAS PROJ.			61.48	61.48	61.55	61.48	61.20	61.48	61.40	61.41
COTAS VERM.			0.00	0.24	0.70	0.48	0.00	0.00	0.00	0.00



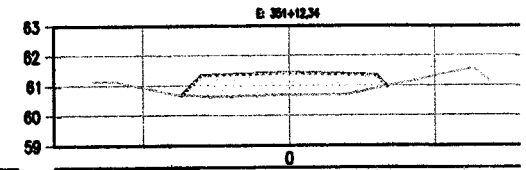
COTAS TN	60.10	60.04	59.95	59.96	59.97	60.00	60.02	60.02	59.96	59.73	59.81
COTAS PROJ.			60.36	61.36	61.39	61.45	61.39	61.36	60.36	59.73	59.81
COTAS VERM.			0.00	1.40	1.42	1.45	1.37	1.34	0.40	0.00	0.00



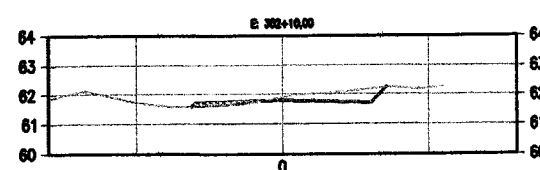
COTAS TN	60.59	60.57	60.37	60.27	60.23	60.22	60.25	60.42	60.60	60.61
COTAS PROJ.			60.36	61.33	61.36	61.42	61.36	60.42	60.56	60.61
COTAS VERM.			0.00	1.06	1.13	1.19	1.10	0.00	0.00	0.00



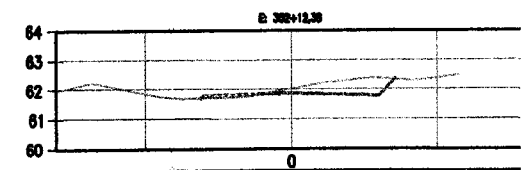
COTAS TN	61.11	61.11	60.70	60.59	60.60	60.64	60.62	60.78	60.98	61.49	61.06
COTAS PROJ.			60.64	61.33	61.36	61.42	61.36	61.33	60.98	61.49	61.06
COTAS VERM.			0.00	0.74	0.76	0.78	0.74	0.55	0.00	0.00	0.00



COTAS TN	61.14	61.14	60.73	60.65	60.65	60.69	60.70	60.91	61.11	61.52	61.15
COTAS PROJ.			60.68	61.34	61.37	61.43	61.37	60.91	61.11	61.52	61.15
COTAS VERM.			0.00	0.69	0.72	0.74	0.67	0.00	0.00	0.00	0.00

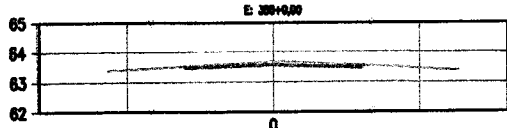


COTAS TN	61.67	61.96	61.61	61.60	61.64	61.90	62.08	62.19	62.23	62.28
COTAS PROJ.			61.60	61.75	61.81	61.75	61.72	62.24	62.23	62.28
COTAS VERM.			0.00	0.11	-0.10	-0.34	-0.47	0.00	0.00	0.00

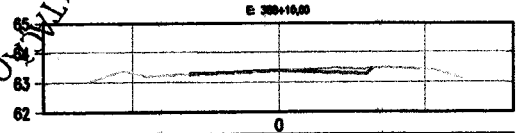


COTAS TN	61.95	62.07	61.72	61.71	61.74	62.03	62.31	62.40	62.31	62.48
COTAS PROJ.			61.60	61.63	61.74	61.68	61.63	61.60	62.35	62.48
COTAS VERM.			0.00	0.09	-0.14	-0.46	-0.60	0.00	0.00	0.00

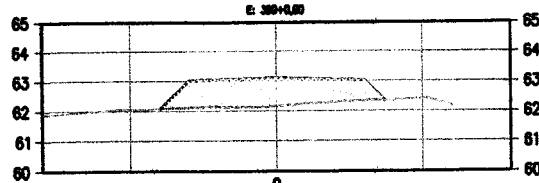
[Signature]
 COTA DE LICITAÇÃO Nº 484
 FOLHA Nº 10
 COMISSÃO PERMANENTE DE LICITAÇÃO



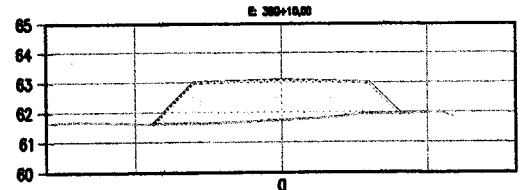
COTAS TN	63.39	63.48	63.53	63.57	63.67	63.60	63.55	63.50	63.39
COTAS PROJ.		63.82	63.50	63.56	63.50	63.85			
COTAS VERM.		-0.06	-0.07	-0.11	-0.10	-0.08			



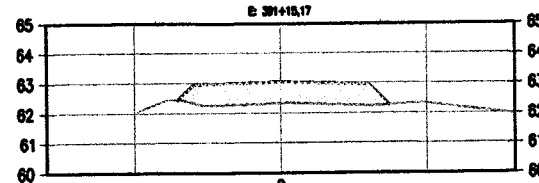
COTAS TN	63.10	63.22	63.27	63.31	63.38	63.47	63.44	63.48	63.10
COTAS PROJ.		63.29	63.32	63.38	63.32	63.28			
COTAS VERM.		0.00	0.01	-0.01	-0.15	-0.06			



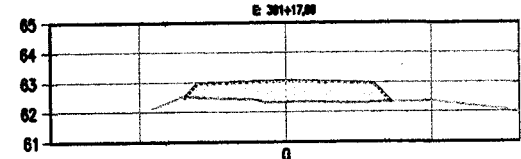
COTAS TN	61.86	62.02	62.08	62.12	62.14	62.16	62.28	62.34	62.35	62.16
COTAS PROJ.		62.06	63.03	63.06	63.12	63.06	63.03	62.34		
COTAS VERM.		0.00	-0.91	0.92	0.96	0.78	-0.69	-0.00		



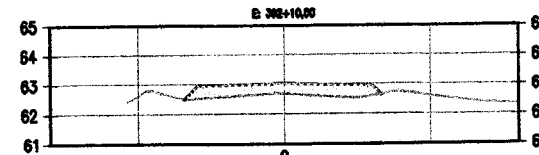
COTAS TN	61.85	61.86	61.83	61.83	61.86	61.75	61.86	61.86	61.88
COTAS PROJ.		62.07	63.01	63.04	63.10	63.04	63.01	62.08	
COTAS VERM.		0.99	1.38	1.38	1.35	1.18	-1.06	0.00	



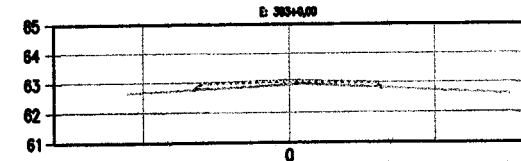
COTAS TN	62.07	62.41	62.34	62.26	62.33	62.27	62.24	62.28	62.21	61.97
COTAS PROJ.		62.45	62.96	62.99	63.05	62.99	62.96	62.27		
COTAS VERM.		0.00	0.62	0.73	0.73	0.72	-0.73	-0.00		



COTAS TN	62.13	62.34	62.50	62.47	62.35	62.32	62.33	62.36	62.26	62.00
COTAS PROJ.		62.52	62.96	62.99	63.05	62.99	62.96	62.36		
COTAS VERM.		0.00	0.46	0.53	0.71	0.67	0.63	-0.00		

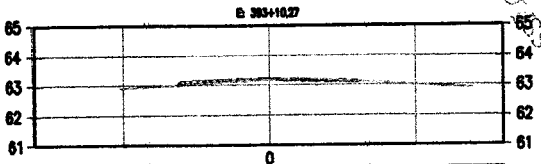


COTAS TN	62.43	62.67	62.52	62.58	62.68	62.55	62.61	62.75	62.49	62.33
COTAS PROJ.		62.51	62.86	63.04	62.98	62.95	62.95			
COTAS VERM.		0.00	0.39	0.36	0.42	0.36	0.36			

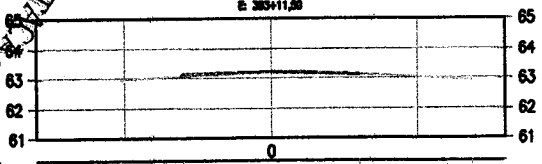


COTAS TN	62.86	62.74	62.79	62.84	62.95	62.90	62.85	62.80	62.70	62.62
COTAS PROJ.		62.88	63.03	63.09	63.03	62.99				
COTAS VERM.		0.02	0.18	0.14	0.13	0.06				

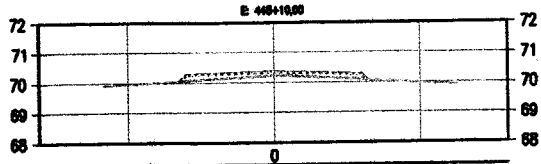
JOTA BASTOS FERREIRA
 Arthur Roberto Torres
 Eng. CIVIL - CREA 600001



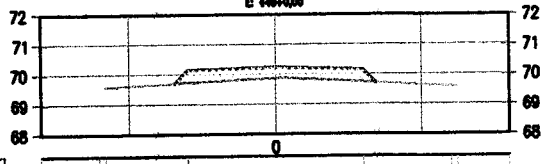
COTAS TN	62.92	62.96	63.02	63.08	63.17	63.17	63.12	63.07	62.97	62.92
COTAS PROJ.		63.04	63.14	63.20	63.14	63.12	63.07			
COTAS VERM.		0.08	0.07	0.03	-0.02	0.00				



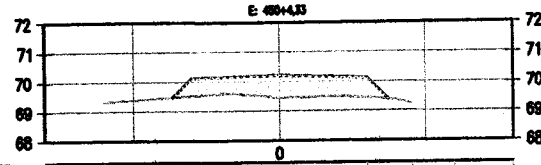
COTAS TN	62.96	63.02	63.06	63.11	63.21	63.19	63.14	63.09	62.98	62.94
COTAS PROJ.		63.06	63.16	63.22	63.16	63.14	63.09			
COTAS VERM.		0.09	0.05	0.02	-0.03	-0.04				



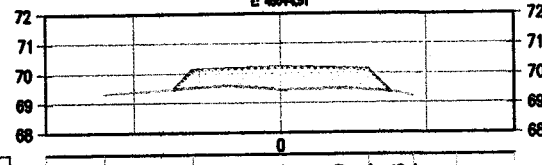
COTAS TN	69.94	70.02	70.07	70.12	70.22	70.14	70.09	70.04	69.94
COTAS PROJ.		70.09	70.30	70.36	70.30	70.09	70.04		
COTAS VERM.		0.15	0.18	0.14	0.16	0.15	0.15		



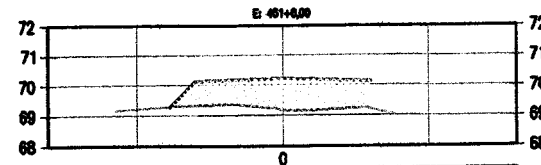
COTAS TN	69.59	69.66	69.73	69.78	69.88	69.80	69.75	69.70	69.59
COTAS PROJ.		69.71	70.17	70.23	70.17	69.80	69.75	69.70	
COTAS VERM.		0.12	0.39	0.36	0.36	0.36	0.15	0.15	



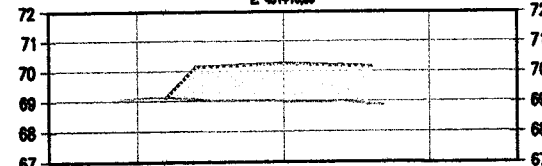
COTAS TN	69.34	69.46	69.52	69.58	69.44	69.49	69.44	69.37	69.24
COTAS PROJ.		69.49	70.12	70.15	70.21	70.15	69.44	69.37	69.24
COTAS VERM.		0.15	0.60	0.57	0.77	0.66	0.68	0.60	0.37



COTAS TN	69.34	69.46	69.52	69.58	69.44	69.49	69.44	69.37	69.24
COTAS PROJ.		69.49	70.12	70.15	70.21	70.15	69.44	69.37	69.24
COTAS VERM.		0.15	0.60	0.57	0.77	0.66	0.68	0.60	0.37

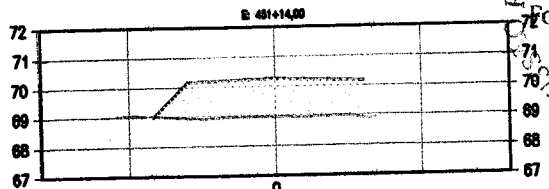


COTAS TN	69.16	69.29	69.32	69.35	69.15	69.20	69.22	69.02
COTAS PROJ.		69.30	70.14	70.17	70.23	70.17	70.14	69.02
COTAS VERM.		0.14	0.82	0.82	1.08	0.97	0.92	

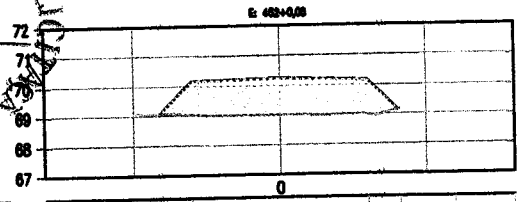


COTAS TN	69.06	69.14	69.07	69.02	68.89	69.00	68.99
COTAS PROJ.		69.16	70.16	70.19	70.25	70.19	70.16
COTAS VERM.		0.10	1.09	1.16	1.25	1.18	1.25

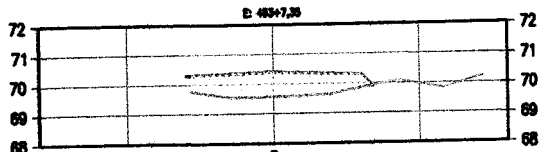
JOTA CARVALHO FIGUEIRA
 Arthur Moreira Lourenço
 Eng. Civil - CREA 55502 - SP



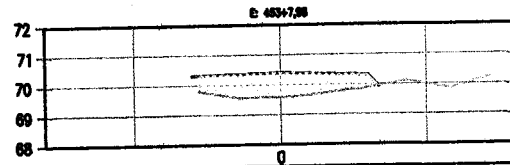
COTAS TN	68.05	68.00	68.95	68.94	68.95	68.97	68.97	68.94
COTAS PROJ.	68.96	70.16	70.19	70.25	70.19	70.16	68.97	68.94
COTAS VERM.	0.90	1.21	1.25	1.30	1.22	1.25	0.97	0.94



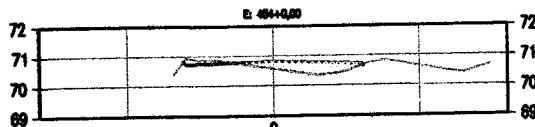
COTAS TN	68.00	68.07	68.03	68.00	68.98	68.99	68.99	68.19
COTAS PROJ.	68.97	70.17	70.20	70.26	70.20	70.17	68.99	68.19
COTAS VERM.	0.98	1.14	1.20	1.27	1.21	1.18	0.98	0.94



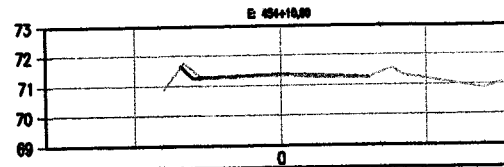
COTAS TN		68.77	68.64	68.57	68.65	68.67	70.04	68.68	70.22
COTAS PROJ.	70.31	70.34	70.40	70.34	70.31	68.67	70.04	68.68	70.22
COTAS VERM.		0.70	0.83	0.68	0.66	0.66	0.66	0.66	0.66



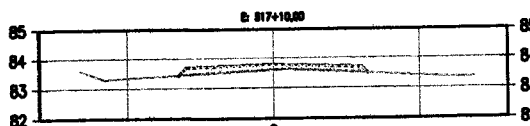
COTAS TN		68.98	68.68	68.61	68.76	68.90	70.07	68.90	70.23
COTAS PROJ.	70.33	70.36	70.42	70.36	70.33	68.90	70.07	68.90	70.23
COTAS VERM.		0.68	0.81	0.57	0.68	0.68	0.68	0.68	0.68



COTAS TN		70.87	70.57	70.39	70.65	70.81	70.48	70.66
COTAS PROJ.	70.83	70.76	70.82	70.76	70.83	70.81	70.48	70.66
COTAS VERM.	0.08	-0.11	0.25	0.37	0.08	0.08	0.08	0.08



COTAS TN		71.51	71.28	71.33	71.25	71.26	71.43	71.03	71.06
COTAS PROJ.	71.57	71.30	71.36	71.30	71.26	71.26	71.43	71.03	71.06
COTAS VERM.	0.06	0.01	0.02	0.05	0.00	0.00	0.00	0.00	0.00



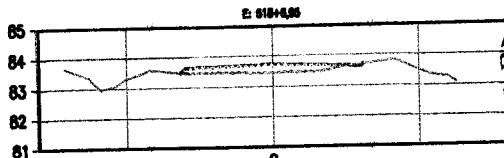
COTAS TN	83.61	83.38	83.41	83.46	83.51	83.61	83.56	83.51	83.46	83.37	83.37
COTAS PROJ.	83.47	83.44	83.74	83.80	83.74	83.51	83.46	83.37	83.37	83.37	83.37
COTAS VERM.	0.14	0.23	0.19	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17



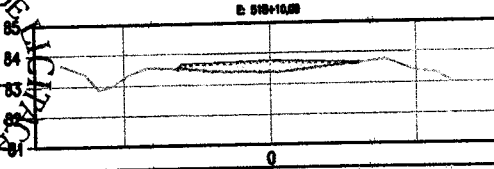
COTAS TN	83.65	83.28	83.31	83.36	83.41	83.51	83.48	83.43	83.38	83.28	83.25
COTAS PROJ.	83.35	83.30	83.71	83.77	83.71	83.48	83.43	83.38	83.28	83.25	83.25
COTAS VERM.	0.30	0.26	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23

JOTA BARRA & PRO
 Arthur Moreira Tor
 Eng.º CIVIL - OPCA 5500

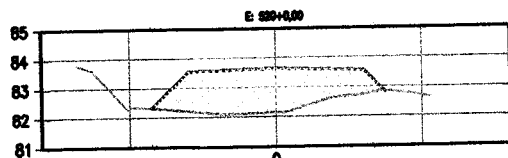
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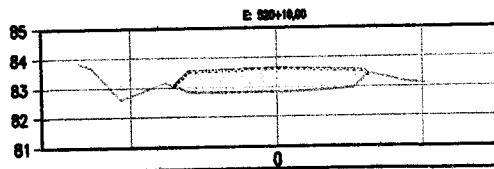
COTAS TN	83,68	83,05	83,59	83,49	83,48	83,47	83,55	83,71	83,83	83,79
COTAS PROJ.			83,68	83,69	83,75	83,69	83,98	83,71	83,83	
COTAS VERM.			-0,09	0,21	0,28	0,14	-0,08	-0,08	0,00	



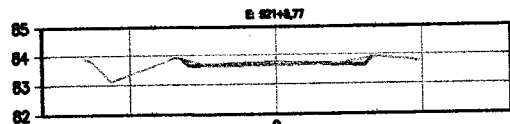
COTAS TN	83,69	83,07	83,57	83,52	83,44	83,40	83,56	83,67	83,77	83,83
COTAS PROJ.			83,68	83,68	83,68	83,74	83,68	83,68	83,68	83,68
COTAS VERM.			-0,11	0,24	0,34	0,12	-0,08	-0,08	0,00	



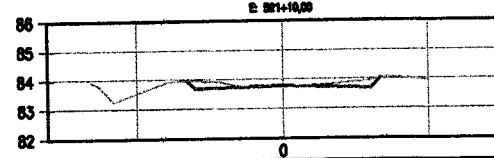
COTAS TN	83,80	83,29	82,31	82,21	82,11	82,14	82,64	82,74	82,83	82,86
COTAS PROJ.			82,37	83,57	83,60	83,66	83,60	83,57	82,85	82,86
COTAS VERM.			0,56	1,36	1,48	1,52	0,95	0,83	0,60	



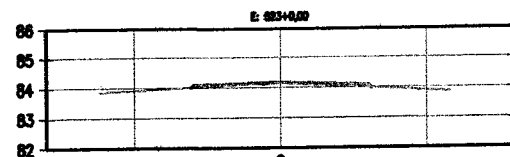
COTAS TN	83,64	83,36	83,10	82,95	82,94	82,83	82,82	83,30	83,27	83,10
COTAS PROJ.			83,05	83,55	83,58	83,64	83,58	83,58	83,58	83,10
COTAS VERM.			0,60	0,70	0,74	0,61	0,66	0,66	0,66	



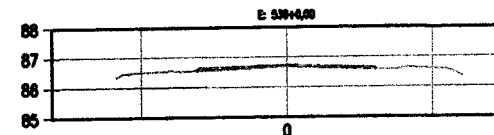
COTAS TN	83,90	83,47	83,73	83,83	83,84	83,88	83,70	83,98	83,88	83,78
COTAS PROJ.			83,88	83,88	83,68	83,74	83,68	83,68	83,68	83,68
COTAS VERM.			-0,15	0,04	0,08	-0,02	-0,02	-0,02	-0,02	



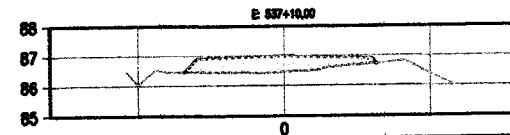
COTAS TN	83,92	83,51	83,80	83,96	83,90	83,78	83,87	83,98	84,05	83,96
COTAS PROJ.			83,91	83,96	83,74	83,80	83,74	83,71	83,71	83,96
COTAS VERM.			-0,05	-0,16	0,02	-0,13	-0,07	-0,07	-0,07	



COTAS TN	83,83	83,98	84,03	84,08	84,16	84,06	84,01	83,96	83,87
COTAS PROJ.			84,08	84,12	84,18	84,12	84,08	83,96	83,87
COTAS VERM.			0,08	0,05	0,02	0,06	0,08	0,08	



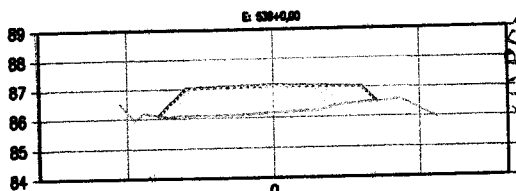
COTAS TN	86,38	86,56	86,50	86,61	86,70	86,66	86,61	86,64	86,58
COTAS PROJ.			86,68	86,68	86,72	86,66	86,61	86,64	86,58
COTAS VERM.			-0,09	0,05	0,01	0,00	0,00	0,00	



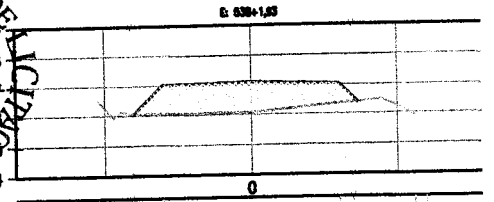
COTAS TN	86,46	86,48	86,46	86,45	86,46	86,65	86,73	86,81	86,05
COTAS PROJ.			86,57	86,83	86,99	86,83	86,98	86,81	86,05
COTAS VERM.			0,11	0,48	0,52	0,28	0,25	0,00	

JOTA BARRAL PRO.
 ARQUITETA
 REG. CREA 5300

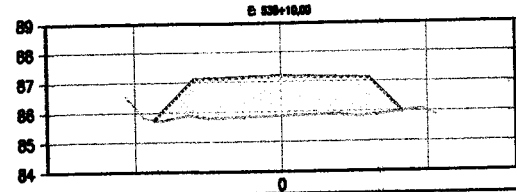
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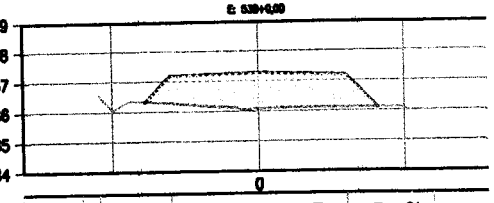
COTAS TN	86.51	86.12	86.08	86.10	86.16	86.34	86.48	86.55	86.96
COTAS PROJ.		86.10	87.01	87.04	87.10	87.04	87.01	86.50	
COTAS VERM.		-0.00	-0.92	0.94	0.93	0.69	-0.55	0.00	



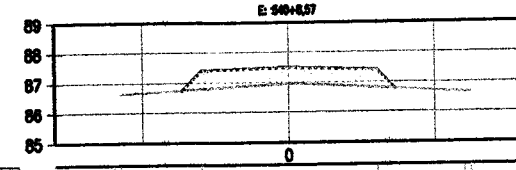
COTAS TN	86.51	86.05	86.04	86.05	86.08	86.25	86.34	86.43	86.94
COTAS PROJ.		86.05	87.03	87.06	87.12	87.06	87.03	86.40	
COTAS VERM.		-0.00	-0.99	1.00	1.04	0.81	-0.69	0.00	



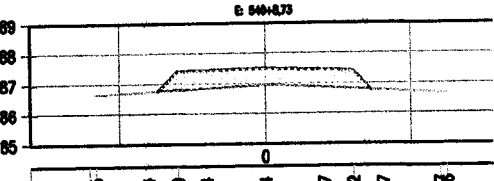
COTAS TN	86.54	85.75	85.88	85.81	85.87	85.90	85.87	85.87
COTAS PROJ.		86.71	87.11	87.14	87.20	87.14	87.11	86.69
COTAS VERM.		0.96	-1.22	1.33	1.33	1.23	-1.24	0.48



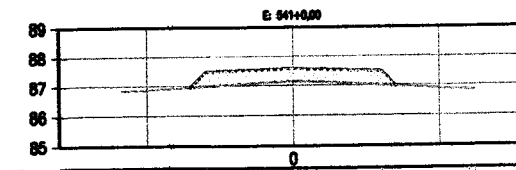
COTAS TN	86.57	86.35	86.28	86.20	86.06	86.10	86.11	86.11	85.92
COTAS PROJ.		86.34	87.20	87.23	87.29	87.23	87.20	86.99	
COTAS VERM.		0.00	-0.92	1.02	1.21	1.12	-1.09	0.00	



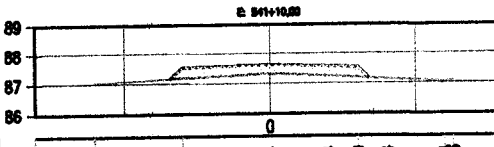
COTAS TN	86.85	86.74	86.79	86.84	86.94	86.86	86.91	86.76	86.63
COTAS PROJ.		86.76	87.40	87.43	87.49	87.43	87.40	86.78	
COTAS VERM.		0.00	0.61	0.59	0.55	0.57	0.59	0.00	



COTAS TN	86.85	86.74	86.79	86.84	86.94	86.87	86.92	86.77	86.63
COTAS PROJ.		86.76	87.40	87.43	87.49	87.43	87.40	86.79	
COTAS VERM.		0.00	0.61	0.59	0.55	0.57	0.59	0.00	



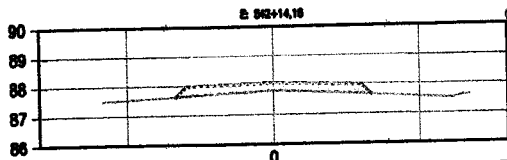
COTAS TN	86.96	86.94	86.99	87.04	87.14	87.06	87.01	86.96	86.85
COTAS PROJ.		86.97	87.46	87.51	87.57	87.51	87.48	86.99	
COTAS VERM.		0.00	0.49	0.47	0.43	0.45	-0.47	0.00	



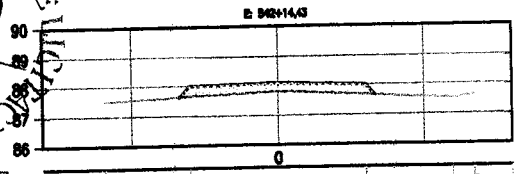
COTAS TN	87.85	87.14	87.19	87.24	87.34	87.24	87.19	87.14	87.06
COTAS PROJ.		87.17	87.55	87.58	87.64	87.58	87.55	87.16	
COTAS VERM.		0.00	0.34	0.30	0.30	0.33	0.36	0.00	

[Signature]
 COTAS PROJ.
 Antônio Carlos de Jesus
 Eng. Civil - CREA 1300

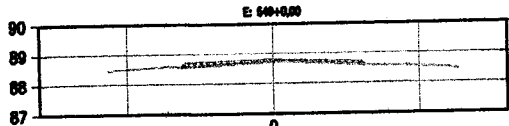
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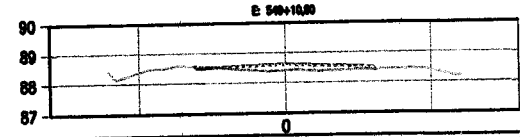
COTAS TN	87.51	87.80	87.85	87.70	87.80	87.72	87.67	87.62	87.52	87.63
COTAS PROJ.		87.63	87.63	88.01	88.07	88.01	87.83	87.83		
COTAS VERM.		0.00	0.31	0.27	0.30	0.30	0.30	0.30		



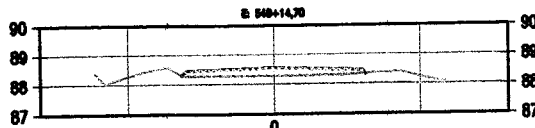
COTAS TN	87.51	87.81	87.86	87.71	87.81	87.72	87.67	87.62	87.52	87.63
COTAS PROJ.		87.64	87.64	88.02	88.08	88.02	87.84	87.84		
COTAS VERM.		0.00	0.32	0.26	0.30	0.30	0.30	0.30		



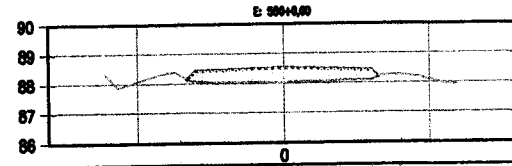
COTAS TN	88.50	88.58	88.57	88.62	88.72	88.66	88.61	88.58	88.51	88.53
COTAS PROJ.		88.60	88.72	88.78	88.72	88.68	88.68			
COTAS VERM.		0.02	0.10	0.06	0.06	0.08	0.08			



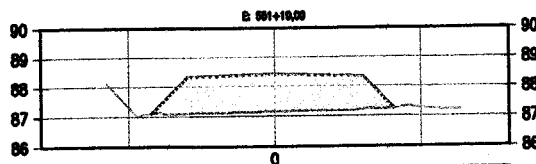
COTAS TN	88.43	88.54	88.56	88.49	88.42	88.41	88.43	88.46	88.21	
COTAS PROJ.		88.53	88.56	88.56	88.62	88.56	88.54			
COTAS VERM.		0.08	0.06	0.20	0.15	0.08	0.09			



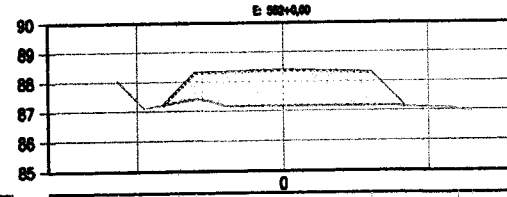
COTAS TN	88.28	88.53	88.27	88.26	88.26	88.29	88.34	88.39	88.06	
COTAS PROJ.		88.70	88.50	88.56	88.50	88.45	88.39			
COTAS VERM.		0.09	0.24	0.30	0.22	0.05	0.05			



COTAS TN	88.28	88.35	88.06	88.03	88.02	88.07	88.07	88.27	87.95	
COTAS PROJ.		88.15	88.46	88.52	88.46	88.43				
COTAS VERM.		0.07	0.42	0.49	0.39	0.04				



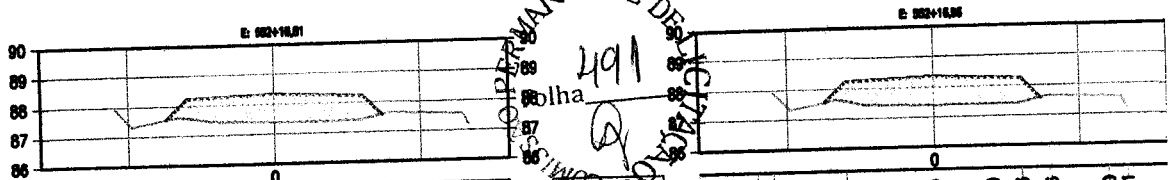
COTAS TN	88.13	87.33	87.10	87.11	87.15	87.18	87.22	87.26	87.21	
COTAS PROJ.		88.33	88.36	88.42	88.36	88.33	87.26			
COTAS VERM.		1.23	1.25	1.26	1.18	1.11	0.08			



COTAS TN	88.06	87.20	87.41	87.21	87.19	87.18	87.19	87.17	87.03	86.97
COTAS PROJ.		88.30	88.33	88.39	88.33	88.30	87.70			
COTAS VERM.		1.12	1.20	1.15	1.11	0.08				

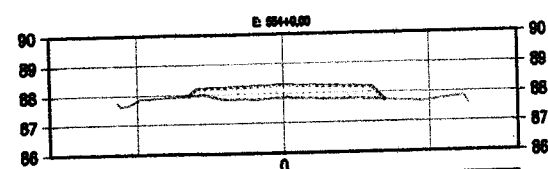
ARTHUR LACORTE
 Arthur Lacorte
 Eng. Civil - CRCA 5336

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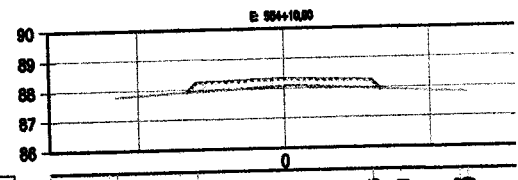


COTAS TN	87,93	87,50	87,59	87,45	87,39	87,40	87,43	87,85	87,60	87,21
COTAS PROJ.		87,55	88,25	88,28	88,34	88,28	88,25	87,59		
COTAS VERM.		0,60	0,68	0,83	0,95	0,88	0,82	0,60		

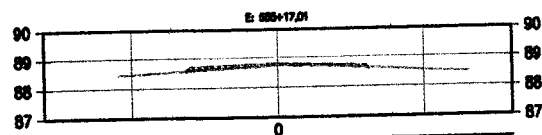
COTAS TN	87,93	87,50	87,58	87,45	87,40	87,40	87,43	87,66	87,60	87,21
COTAS PROJ.		87,56	88,25	88,28	88,34	88,28	88,25	87,59		
COTAS VERM.		0,60	0,67	0,83	0,94	0,88	0,82	0,60		



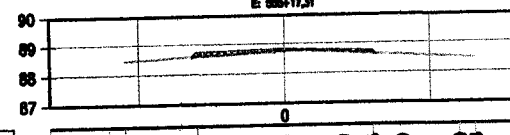
COTAS TN	87,76	87,92	87,97	87,82	87,85	87,80	87,77	87,72	87,80
COTAS PROJ.		87,99	88,22	88,28	88,28	88,22	88,19	87,75	
COTAS VERM.		0,23	0,40	0,43	0,42	0,42	0,42	0,03	



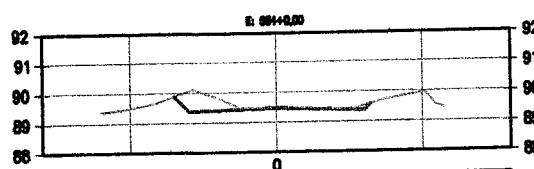
COTAS TN	87,80	87,89	87,94	87,99	88,08	88,01	87,96	87,91	87,88
COTAS PROJ.		87,93	88,28	88,28	88,32	88,28	87,95		
COTAS VERM.		0,13	0,27	0,23	0,23	0,25	0,03		



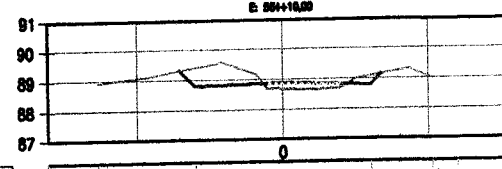
COTAS TN	88,47	88,54	88,58	88,64	88,74	88,70	88,85	88,80	88,50	88,47
COTAS PROJ.		88,59	88,74	88,80	88,74	88,80	88,85	88,80		
COTAS VERM.		0,12	0,10	0,06	0,04	0,08	0,05	0,00		



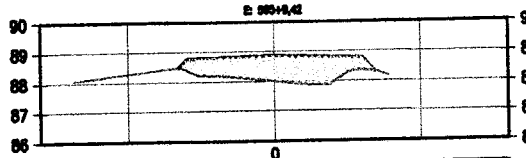
COTAS TN	88,46	88,55	88,60	88,65	88,75	88,70	88,65	88,60	88,50	88,46
COTAS PROJ.		88,52	88,75	88,81	88,75	88,80	88,65	88,60		
COTAS VERM.		0,02	0,10	0,06	0,04	0,08	0,05	0,00		



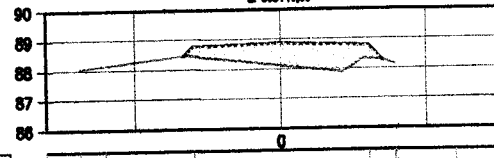
COTAS TN	88,36	88,72	88,88	88,82	88,47	88,44	88,54	88,78	88,44
COTAS PROJ.		88,39	88,39	88,42	88,48	88,42	88,39	88,39	
COTAS VERM.		0,03	-0,09	-0,40	0,01	-0,02	-0,05	0,00	



COTAS TN	88,97	88,24	88,41	88,58	88,68	88,70	88,10	88,27	88,02
COTAS PROJ.		88,32	88,31	88,64	88,90	88,84	88,10	88,16	
COTAS VERM.		0,60	-0,80	-0,74	0,22	0,14	-0,20	0,00	



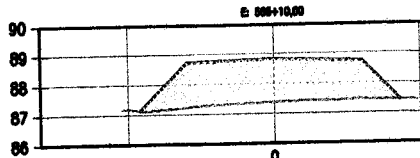
COTAS TN	88,07	88,17	88,41	88,39	88,20	88,01	87,95	88,37	88,18
COTAS PROJ.		88,40	88,81	88,87	88,81	88,79	88,52		
COTAS VERM.		0,33	0,41	0,88	0,86	0,41	0,50		



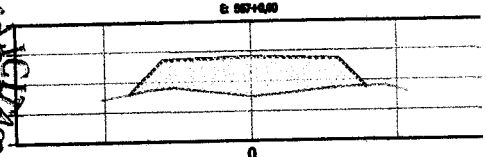
COTAS TN	88,08	88,16	88,39	88,45	88,34	88,12	87,90	88,33	88,14
COTAS PROJ.		88,16	88,45	88,81	88,87	88,81	88,28		
COTAS VERM.		0,08	0,06	0,46	0,46	0,74	0,80	0,44	0,00

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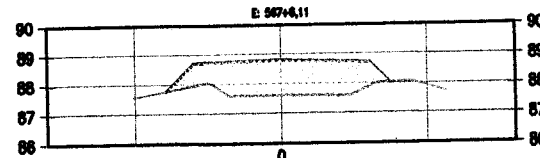
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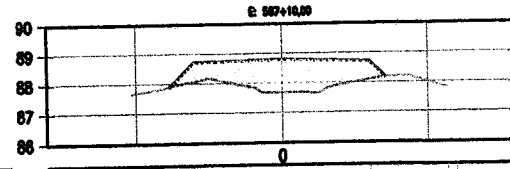
COTAS TN	87.18	87.15	87.23	87.31	87.37	87.41	87.46	87.43	87.41
COTAS PROJ.	87.14	87.74	86.74	86.77	88.83	88.77	86.74	87.46	87.43
COTAS VERM.	-0.00	0.59	-1.52	1.47	1.46	1.36	-1.28	0.31	0.00



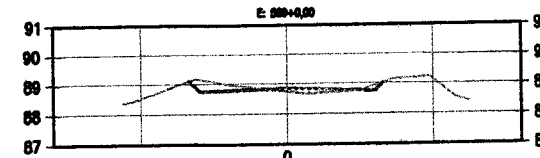
COTAS TN	87.42	87.62	87.77	87.74	87.50	87.68	87.76	87.81	87.61
COTAS PROJ.	87.99	88.75	88.74	88.76	88.82	88.76	88.73	87.81	87.61
COTAS VERM.	0.40	0.95	1.01	1.32	1.08	0.95	-0.00	0.00	0.00



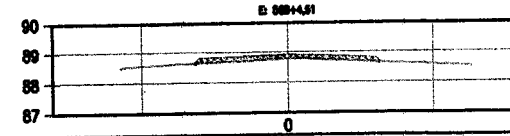
COTAS TN	87.57	87.76	87.94	87.74	87.61	87.59	87.56	87.53
COTAS PROJ.	87.77	88.72	88.74	88.81	88.75	88.72	88.63	87.73
COTAS VERM.	-0.60	-0.77	1.01	1.20	1.16	-0.84	-0.60	0.00



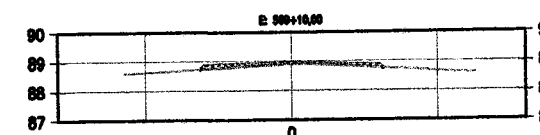
COTAS TN	87.67	87.87	88.05	88.07	87.68	87.92	88.10	88.21	87.81
COTAS PROJ.	87.90	88.71	88.74	88.80	88.74	88.71	88.19	88.21	87.81
COTAS VERM.	0.00	0.66	0.66	1.12	0.82	-0.61	0.00	0.00	0.00



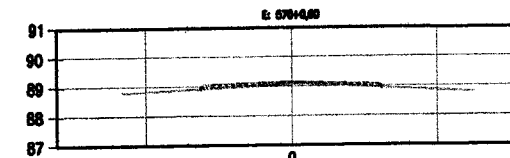
COTAS TN	88.36	88.90	89.17	88.98	88.75	88.74	88.95	88.18	88.44
COTAS PROJ.	88.72	88.79	88.85	88.75	88.74	88.74	88.18	88.44	88.44
COTAS VERM.	-0.00	-0.19	0.10	0.05	0.00	0.00	0.00	0.00	0.00



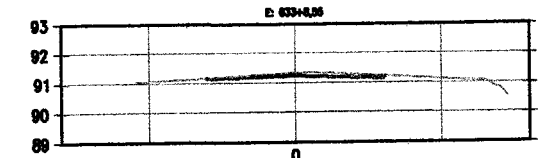
COTAS TN	88.50	88.62	88.66	88.71	88.79	88.72	88.67	88.62	88.56
COTAS PROJ.	88.56	88.63	88.63	88.71	88.69	88.63	88.67	88.62	88.56
COTAS VERM.	0.00	0.13	0.10	0.11	0.00	0.00	0.00	0.00	0.00



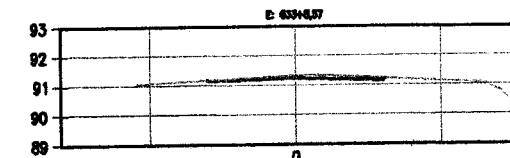
COTAS TN	88.62	88.69	88.74	88.79	88.89	88.82	88.77	88.72	88.61
COTAS PROJ.	88.74	88.90	88.90	88.96	88.90	88.97	88.72	88.61	88.61
COTAS VERM.	0.00	0.11	0.07	0.08	0.00	0.00	0.00	0.00	0.00



COTAS TN	88.83	88.89	88.94	88.99	89.09	89.01	88.96	88.91	88.86
COTAS PROJ.	88.97	88.97	88.97	88.97	88.97	88.97	88.97	88.97	88.86
COTAS VERM.	0.00	0.08	0.04	0.06	0.00	0.00	0.00	0.00	0.00



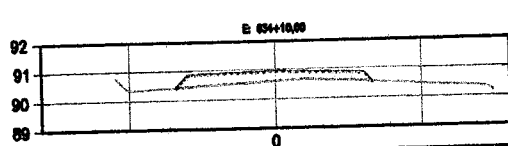
COTAS TN	91.05	91.12	91.17	91.22	91.32	91.28	91.23	91.18	91.08	90.56
COTAS PROJ.	91.12	91.17	91.22	91.23	91.17	91.22	91.22	91.18	91.08	90.56
COTAS VERM.	0.00	-0.05	-0.09	-0.11	0.00	0.00	0.00	0.00	0.00	0.00



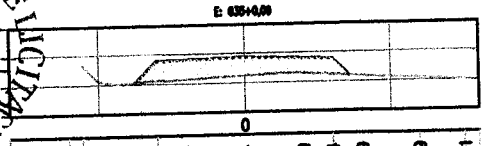
COTAS TN	91.05	91.12	91.17	91.22	91.32	91.28	91.23	91.18	91.08	90.56
COTAS PROJ.	91.14	91.17	91.22	91.23	91.17	91.22	91.22	91.18	91.08	90.56
COTAS VERM.	0.00	-0.05	-0.09	-0.10	0.00	0.00	0.00	0.00	0.00	0.00

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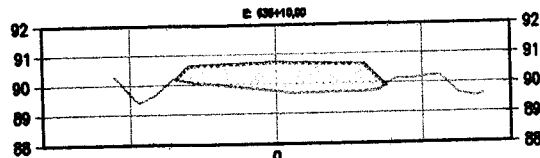
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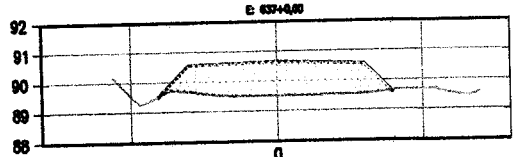
COTAS TN	90.79	90.40	90.45	90.50	90.80	90.81	90.56	90.51	90.41	90.19
COTAS PROJ.		90.57	90.57	90.83	90.87	90.87	90.54	90.51		
COTAS VERM.		0.17	0.12	0.33	0.07	0.06	0.02	0.04		



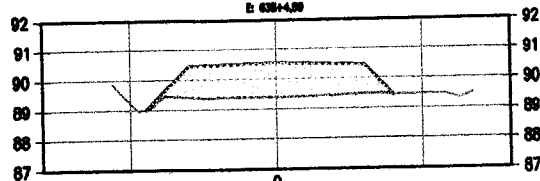
COTAS TN	90.67	90.04	90.09	90.14	90.24	90.29	90.24	90.19	90.09	90.01
COTAS PROJ.		90.25	90.79	90.51	90.87	90.81	90.79	90.21		
COTAS VERM.		0.21	0.70	0.37	0.63	0.52	0.55	0.02		



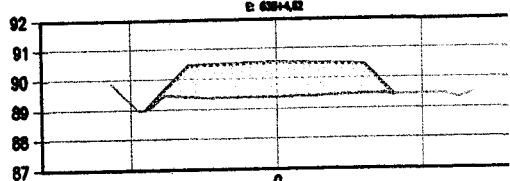
COTAS TN	90.30	89.79	90.10	89.98	89.77	89.71	89.72	90.09	89.87	89.82
COTAS PROJ.		90.19	90.83	90.86	90.72	90.66	90.63	90.80		
COTAS VERM.		0.89	0.73	0.88	0.95	0.95	0.90	0.71		



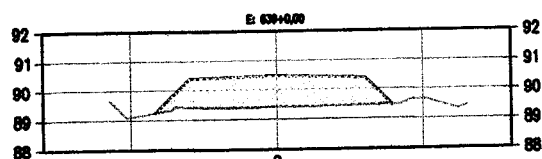
COTAS TN	90.16	89.54	89.67	89.56	89.51	89.54	89.56	89.57	89.55	89.58
COTAS PROJ.		90.52	90.57	90.80	90.86	90.80	90.57	90.83		
COTAS VERM.		0.96	0.93	0.84	0.90	0.86	0.87	0.86		



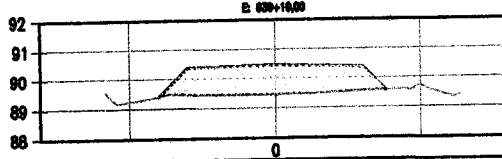
COTAS TN	89.87	89.51	89.41	89.37	89.39	89.44	89.47	89.46	89.41	89.49
COTAS PROJ.		90.01	90.46	90.49	90.55	90.49	90.46	90.46		
COTAS VERM.		1.04	1.05	1.12	1.16	1.05	0.99	0.00		



COTAS TN	89.87	89.31	89.41	89.37	89.39	89.44	89.47	89.46	89.41	89.49
COTAS PROJ.		90.01	90.46	90.49	90.55	90.49	90.46	90.46		
COTAS VERM.		1.14	1.15	1.12	1.16	1.05	0.99	0.00		



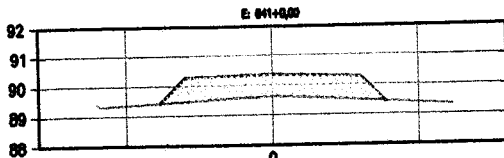
COTAS TN	89.86	89.28	89.42	89.39	89.41	89.44	89.46	89.48	89.39	89.44
COTAS PROJ.		90.29	90.41	90.44	90.50	90.44	90.41	90.46		
COTAS VERM.		1.03	1.09	1.05	1.09	1.00	0.95	0.00		



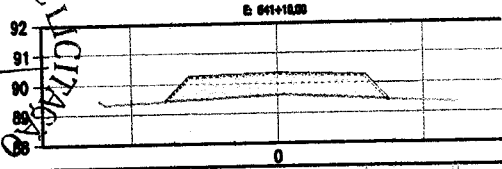
COTAS TN	89.59	89.41	89.47	89.45	89.47	89.52	89.56	89.61	89.58	89.70
COTAS PROJ.		90.42	90.37	90.40	90.46	90.40	90.37	90.56		
COTAS VERM.		0.83	0.90	0.95	0.99	0.88	0.81	0.00		

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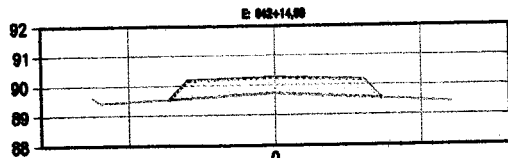
COMISSÃO DE LICITAÇÃO
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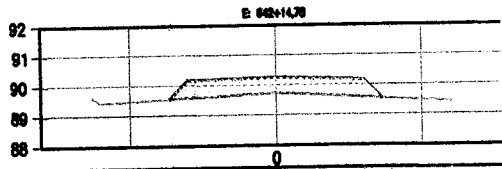
COTAS TN	88,48	88,42	88,47	88,52	88,62	88,53	88,48	88,43	88,38
COTAS PROJ.		88,42	90,28	90,31	90,37	90,31	90,28	88,44	
COTAS VERM.		-0,00	-0,81	0,78	0,75	0,77	-0,79	-0,80	



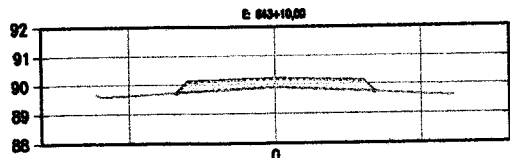
COTAS TN	88,41	88,42	88,47	88,52	88,62	88,53	88,48	88,43	88,38
COTAS PROJ.		88,42	90,24	90,27	90,33	90,27	90,24	88,44	
COTAS VERM.		0,00	-0,78	0,78	0,72	0,74	-0,76	-0,80	



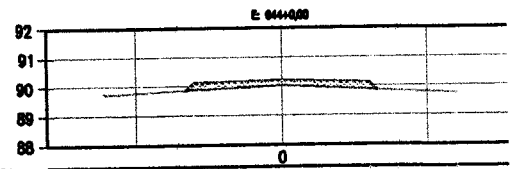
COTAS TN	88,58	88,53	88,58	88,63	88,73	88,63	88,58	88,53	88,48
COTAS PROJ.		88,55	90,16	90,19	90,25	90,19	90,16	88,55	
COTAS VERM.		-0,00	-0,58	0,56	0,52	0,56	-0,58	-0,60	



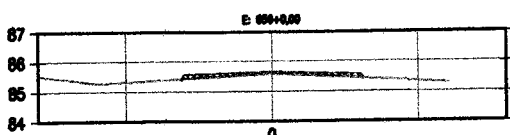
COTAS TN	88,58	88,53	88,58	88,63	88,73	88,63	88,58	88,53	88,48
COTAS PROJ.		88,55	90,16	90,19	90,25	90,19	90,16	88,55	
COTAS VERM.		-0,00	-0,58	0,56	0,52	0,56	-0,58	-0,60	



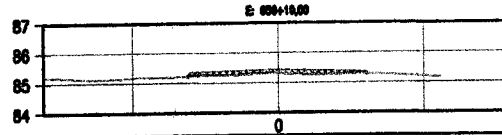
COTAS TN	88,72	88,70	88,75	88,80	88,90	88,81	88,76	88,71	88,61
COTAS PROJ.		88,71	90,14	90,20	90,14	90,14	90,11	88,74	
COTAS VERM.		-0,00	0,34	0,30	0,33	-0,35	-0,38	-0,39	



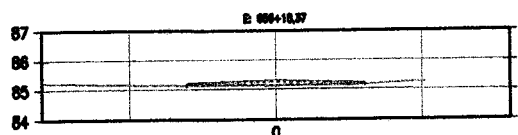
COTAS TN	88,74	88,83	88,88	88,93	90,03	88,93	88,88	88,83	88,73
COTAS PROJ.		88,81	90,14	90,20	90,14	90,14	88,87	88,83	
COTAS VERM.		0,00	0,21	0,17	0,21	-0,30	-0,33	-0,35	



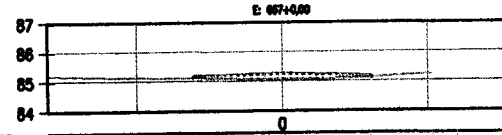
COTAS TN	85,55	85,28	85,37	85,42	85,48	85,58	85,48	85,43	85,38	85,28
COTAS PROJ.		85,48	85,56	85,62	85,56	85,56	85,53	85,38		
COTAS VERM.		0,00	0,08	0,04	0,08	-0,00	-0,00	-0,00		



COTAS TN	85,21	85,13	85,18	85,23	85,25	85,31	85,26	85,29	85,24	85,16
COTAS PROJ.		85,28	85,35	85,41	85,35	85,28	85,29	85,24		
COTAS VERM.		0,00	0,10	0,10	0,10	-0,00	-0,00	-0,00		



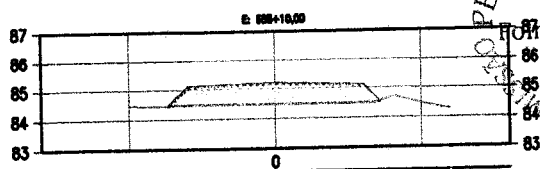
COTAS TN	85,25	85,19	85,16	85,15	85,14	85,13	85,14	85,10	85,22	85,27
COTAS PROJ.		85,20	85,23	85,29	85,23	85,20	85,22	85,27		
COTAS VERM.		0,00	0,09	0,16	0,10	0,00	0,00	0,00		



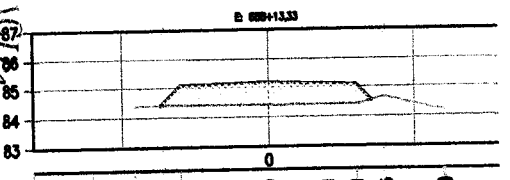
COTAS TN	85,21	85,15	85,12	85,11	85,10	85,08	85,10	85,13	85,19	85,22
COTAS PROJ.		85,16	85,21	85,27	85,21	85,18	85,19	85,22		
COTAS VERM.		0,00	0,12	0,19	0,12	-0,00	-0,00	-0,00		

JOTA GASPARY PRO
 Arthur Moreira Tor
 Eng. Civil - CREA 5394

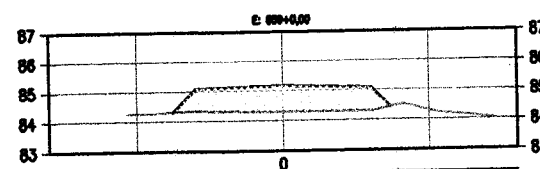
PERMANENTE DELL'INTELLIGENZA
 195
 COLOMBO



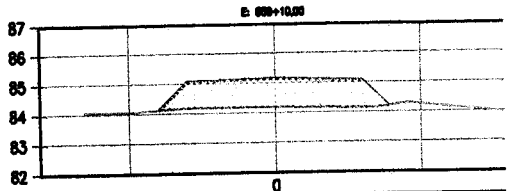
COTAS TN	84.48	84.46	84.47	84.47	84.48	84.48	84.47	84.48	84.29
COTAS PROJ.		84.47	85.08	85.11	85.17	85.11	85.08	84.55	
COTAS VERM.		0.00	0.61	0.64	0.69	0.64	0.61	0.00	



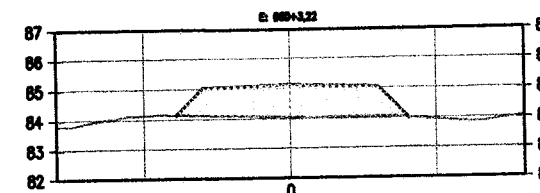
COTAS TN	84.39	84.40	84.41	84.41	84.40	84.41	84.41	84.41	84.41
COTAS PROJ.		84.41	85.08	85.11	85.17	85.11	85.08	84.54	
COTAS VERM.		0.00	0.67	0.70	0.77	0.70	0.67	0.00	



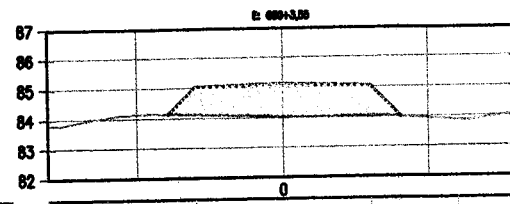
COTAS TN	84.27	84.31	84.33	84.32	84.30	84.30	84.31	84.40	84.17	84.05
COTAS PROJ.		84.32	85.08	85.11	85.17	85.11	85.08	84.44		
COTAS VERM.		0.00	0.74	0.79	0.87	0.81	0.77	0.00		



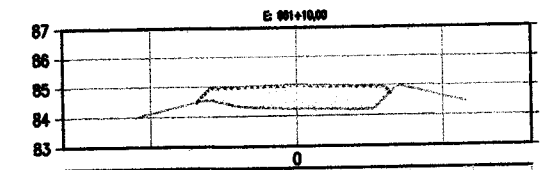
COTAS TN	84.07	84.11	84.17	84.20	84.19	84.17	84.15	84.23	84.16
COTAS PROJ.		84.12	85.07	85.10	85.16	85.10	85.07	84.21	
COTAS VERM.		0.00	0.89	0.90	0.96	0.93	0.91	0.00	



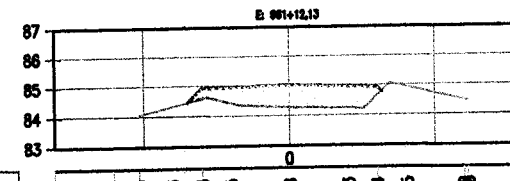
COTAS TN	83.88	84.05	84.15	84.12	84.04	84.03	84.03	84.00	83.88	84.05
COTAS PROJ.		84.15	85.05	85.08	85.14	85.08	85.05	84.00		
COTAS VERM.		0.00	0.93	0.96	1.10	1.05	1.01	0.00		



COTAS TN	83.88	84.05	84.15	84.12	84.09	84.04	84.02	84.03	84.00	83.88
COTAS PROJ.		84.15	85.05	85.08	85.14	85.08	84.02	84.03		
COTAS VERM.		0.00	0.93	0.96	1.10	1.05	1.02	0.00		



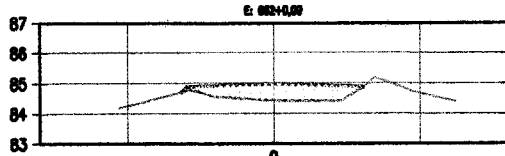
COTAS TN	84.83	84.37	84.55	84.34	84.23	84.20	84.57	84.87	84.47
COTAS PROJ.		84.51	84.55	84.88	85.04	84.98	84.96		
COTAS VERM.		0.00	0.64	0.61	0.81	0.78	0.39		



COTAS TN	84.06	84.33	84.58	84.45	84.28	84.23	84.64	84.95	84.48
COTAS PROJ.		84.36	84.53	84.96	85.02	84.96	84.99		
COTAS VERM.		0.00	0.36	0.52	0.74	0.73	0.38		

COLOMBO
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 COLOMBO

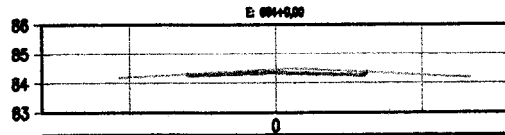
HERMAN BENTE DE LICITAÇÃO
 COMISSÃO
 Folha 196



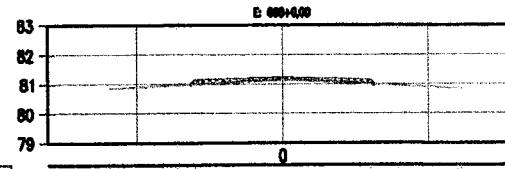
COTAS TN	84.19	84.50	84.76	84.55	84.43	84.40	84.94	85.01	84.99
COTAS PROJ.		84.36	84.92	84.98	84.92	84.80	84.84	85.01	84.99
COTAS VERM.		0.99	0.37	0.55	0.52	-0.09	0.00	0.01	0.00



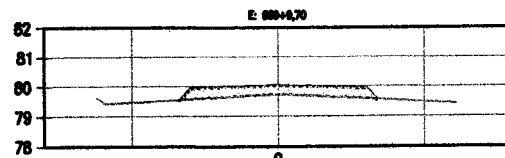
COTAS TN	84.30	84.44	84.48	84.53	84.63	84.55	84.50	84.45	84.35
COTAS PROJ.		84.52	84.85	84.91	84.85	84.55	84.50	84.45	84.35
COTAS VERM.		0.99	0.32	0.28	0.31	0.31	0.33	0.33	0.35



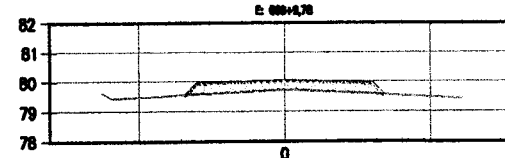
COTAS TN	84.20	84.27	84.32	84.37	84.47	84.43	84.30	84.33	84.23	84.20
COTAS PROJ.		84.52	84.30	84.36	84.30	84.30	84.30	84.33	84.23	84.20
COTAS VERM.		-0.08	-0.06	-0.10	-0.13	-0.01	0.00	0.00	-0.03	-0.03



COTAS TN	80.87	80.95	81.00	81.05	81.15	81.06	81.01	80.96	80.88
COTAS PROJ.		81.15	81.21	81.15	81.15	81.01	81.00	80.96	80.88
COTAS VERM.		0.11	0.07	0.10	0.10	0.06	0.00	0.00	-0.02



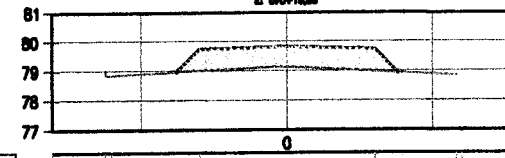
COTAS TN	79.98	79.53	79.59	79.63	79.73	79.64	79.59	79.54	79.44
COTAS PROJ.		79.55	79.96	80.02	79.96	79.59	79.57	79.54	79.44
COTAS VERM.		0.90	0.34	0.30	0.32	0.00	0.00	0.00	-0.04



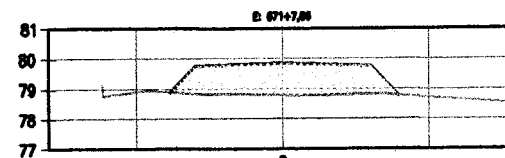
COTAS TN	79.98	79.53	79.59	79.63	79.73	79.64	79.59	79.54	79.44
COTAS PROJ.		79.55	79.96	80.02	79.96	79.59	79.57	79.54	79.44
COTAS VERM.		0.90	0.34	0.30	0.32	0.00	0.00	0.00	-0.04



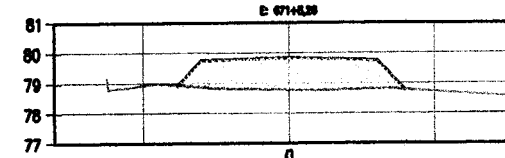
COTAS TN	79.19	79.23	79.28	79.33	79.42	79.32	79.28	79.23	79.13
COTAS PROJ.		79.28	79.81	79.87	79.81	79.28	79.25	79.23	79.13
COTAS VERM.		0.90	0.47	0.44	0.48	0.50	0.00	0.00	-0.10



COTAS TN	79.60	79.85	79.90	79.95	79.14	79.04	79.99	79.94	79.85
COTAS PROJ.		79.96	79.78	79.78	79.84	79.78	79.75	79.85	79.85
COTAS VERM.		0.60	-0.74	0.72	0.70	0.74	-0.76	0.00	0.00



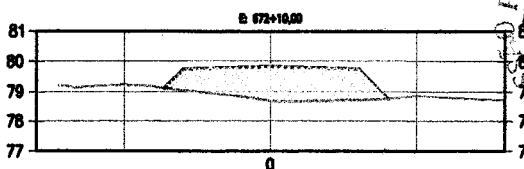
COTAS TN	79.60	79.92	79.85	79.82	79.79	79.80	79.82	79.79	79.66	79.53
COTAS PROJ.		79.91	79.75	79.82	79.84	79.78	79.75	79.79	79.66	79.53
COTAS VERM.		0.00	0.01	0.06	1.05	0.98	0.93	0.00	0.00	-0.03



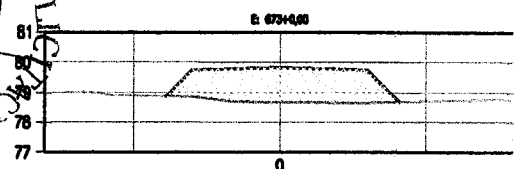
COTAS TN	79.60	79.95	79.98	79.83	79.79	79.80	79.82	79.80	79.67
COTAS PROJ.		79.94	79.75	79.78	79.84	79.78	79.75	79.80	79.67
COTAS VERM.		0.00	0.87	0.95	1.06	0.99	0.93	0.00	-0.03

COMISSÃO DE LICITAÇÃO
 1ª Fase - Medição
 L.P.A. 001 - 002 - 003 - 004 - 005

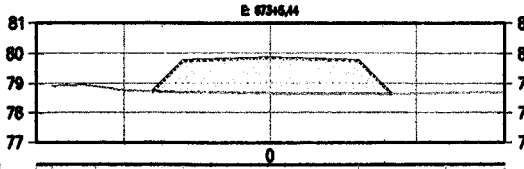
PERMANENTE DE L...
 Folha 197
 COMISSÃO DE LICITAÇÃO Nº 002/2015



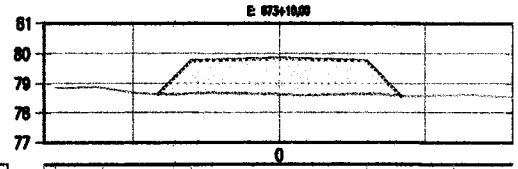
COTAS TN	78.19	78.19	78.17	78.05	78.93	78.67	78.68	78.70	78.75	78.80	78.70
COTAS PROJ.			78.15	78.75	78.78	79.84	78.78	78.75	78.75	78.75	
COTAS VERM.			0.00	0.70	0.85	1.17	1.11	1.05	0.00		



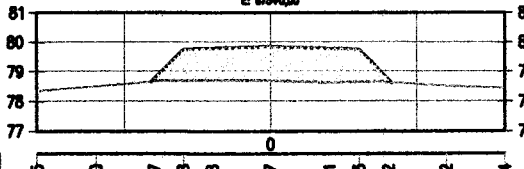
COTAS TN	78.01	78.95	78.85	78.84	78.74	78.68	78.66	78.66	78.68	78.74
COTAS PROJ.			78.87	78.78	78.79	79.85	78.79	78.76	78.88	
COTAS VERM.			0.00	0.81	1.04	1.17	1.13	1.10	0.08	



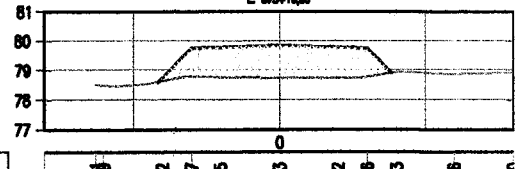
COTAS TN	78.91	78.90	78.73	78.69	78.69	78.65	78.64	78.65	78.63	78.68	78.67
COTAS PROJ.			78.76	78.76	78.79	79.85	78.79	78.76	78.88	78.68	
COTAS VERM.			0.00	1.07	1.10	1.19	1.15	1.11	0.08		



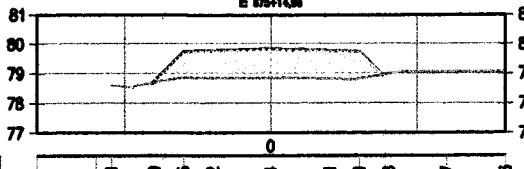
COTAS TN	78.85	78.84	78.64	78.64	78.67	78.63	78.63	78.64	78.60	78.61
COTAS PROJ.			78.94	78.76	78.79	79.85	78.79	78.76	78.88	
COTAS VERM.			0.92	1.12	1.12	1.22	1.16	1.12	0.68	



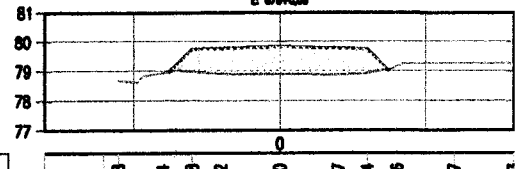
COTAS TN	78.35	78.50	78.67	78.66	78.68	78.67	78.61	78.63	78.62	78.52	78.44
COTAS PROJ.			78.66	78.75	78.78	79.84	78.78	78.75	78.82	78.52	
COTAS VERM.			0.00	1.07	1.10	1.17	1.17	1.12	0.08		



COTAS TN	78.58	78.62	78.77	78.75	78.73	78.72	78.76	78.93	78.86	78.64
COTAS PROJ.			78.99	78.75	78.78	79.84	78.78	78.76	78.91	
COTAS VERM.			0.92	0.98	1.02	1.11	1.05	0.88	0.00	



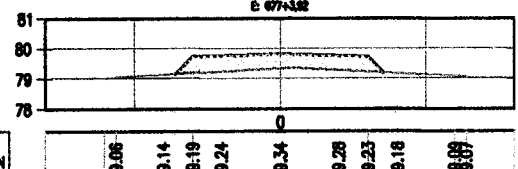
COTAS TN	78.81	78.69	78.85	78.82	78.84	78.81	78.81	78.98	79.07	79.06
COTAS PROJ.		78.80	78.74	78.77	79.83	78.77	78.74	78.94	79.07	
COTAS VERM.		0.00	0.89	0.95	1.00	0.97	0.93	0.00		



COTAS TN	78.68	78.94	78.98	78.92	78.90	78.87	78.94	79.16	79.27	79.03
COTAS PROJ.		78.97	78.74	78.92	79.83	78.77	78.87	79.05	79.27	
COTAS VERM.		0.00	0.76	0.85	0.93	0.90	0.80	0.00		



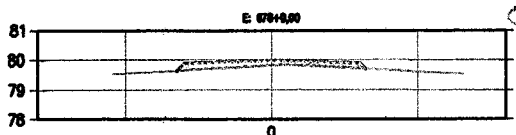
COTAS TN	79.05	78.14	78.19	79.24	79.34	79.28	79.23	79.18	79.08	79.08
COTAS PROJ.		79.16	79.73	79.76	79.82	79.76	79.73	79.20	79.08	
COTAS VERM.		0.00	0.54	0.52	0.48	0.48	0.50	0.00		



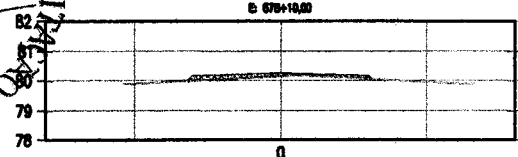
COTAS TN	79.06	78.14	78.19	79.24	79.34	79.28	79.23	79.18	79.08	79.08
COTAS PROJ.		79.16	79.73	79.76	79.82	79.76	79.73	79.21	79.08	
COTAS VERM.		0.00	0.54	0.52	0.48	0.48	0.50	0.00		

COMISSÃO DE LICITAÇÃO Nº 002/2015
 Licitação Modalidade Tomada
 Licitação Nº 002/2015

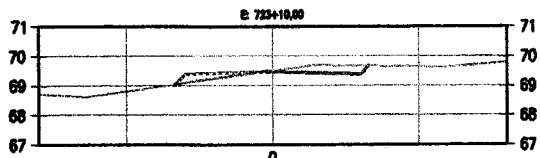
PERMANENTE DE LICITACAO
 Folha 498
 COMISSAO



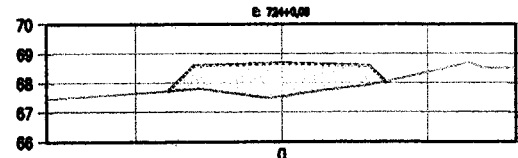
COTAS TN	79.53	79.60	79.65	79.70	79.80	79.76	79.71	79.66	79.56	79.53
COTAS PROJ.		79.64	79.63	79.99	79.93	79.98	79.98			
COTAS VERM.		0.04	0.23	0.19	0.17	0.08	0.08			



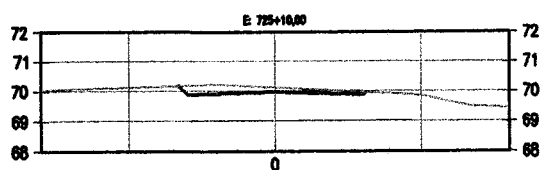
COTAS TN	79.88	79.95	80.00	80.05	80.15	80.11	80.06	80.01	79.91	79.88
COTAS PROJ.		80.02	80.15	80.21	80.15	80.06	80.06			
COTAS VERM.		0.07	0.10	0.06	0.04	0.06	0.06			



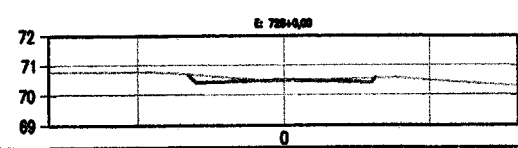
COTAS TN	68.73	68.68	68.95	68.69	68.23	68.50	68.68	68.67	68.66	68.64	68.79
COTAS PROJ.		68.94	68.42	68.48	68.42	68.59	68.59				
COTAS VERM.		0.19	-0.02	-0.27	-0.28	-0.07	-0.07				



COTAS TN	67.45	67.59	67.72	67.79	67.70	67.54	67.82	67.93	68.15	68.60	68.53
COTAS PROJ.		67.73	68.59	68.62	68.62	68.68	68.62	68.59	68.05		
COTAS VERM.		0.00	0.81	0.92	1.14	0.81	0.86	0.66	0.00		



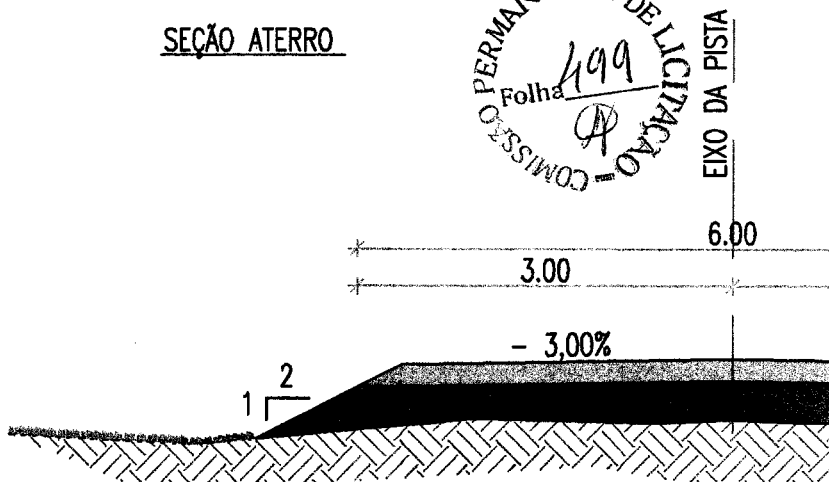
COTAS TN	70.04	70.10	70.15	70.16	70.21	70.11	70.01	69.96	69.91	69.64	69.44
COTAS PROJ.		70.17	70.21	69.90	69.96	69.90	69.88				
COTAS VERM.		0.07	-0.31	-0.15	-0.11	-0.08	-0.08				



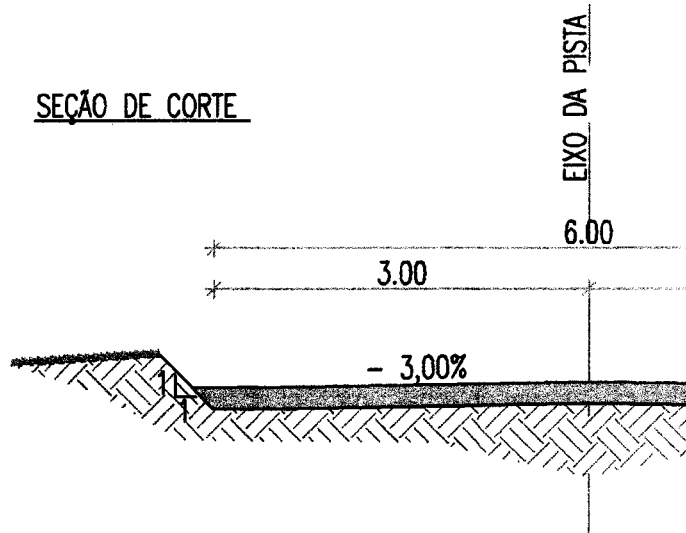
COTAS TN	70.78	70.78	70.74	70.67	70.60	70.47	70.53	70.56	70.57	70.43	70.39
COTAS PROJ.		70.69	70.45	70.51	70.45	70.45	70.49	70.57			
COTAS VERM.		-0.09	-0.15	0.04	-0.08	-0.04	-0.04	0.07			

COTAS PROJ. E P
 Arthur Miyoto To
 Eng. OAB/CREA 536

SEÇÃO ATERRO



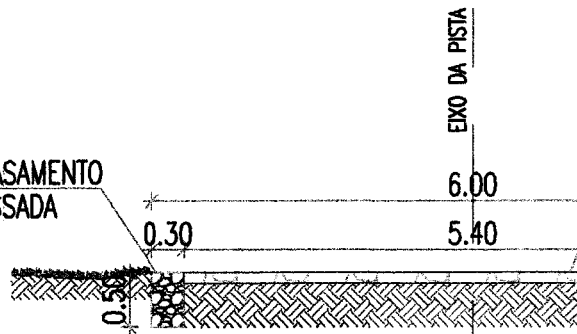
SEÇÃO DE CORTE



ESTACAS: E325+0.00 A E327+0.00
E215+5.00 A E216+15.00
E373+5.00 A E374+15.00

SEÇÃO DE PAVIMENTAÇÃO DE ÁREAS

ALVENARIA DE EMBASAMENTO
DE PEDRA ARGAMASSADA

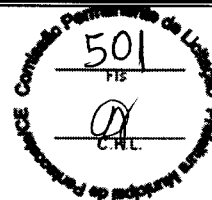


[Signature]
ARQUIVADO EM FIC
Arthur Moreira Torres
C.R.A. 5308



PREFEITURA MUNICIPAL

PENTECOSTE



ANEXO II

MINUTA DA PROPOSTA DE PREÇOS

À Comissão Permanente de Licitação de Pentecoste-CE.

Através do presente declaramos inteira submissão aos ditames da Lei n.º 8.666/93 e suas posteriores alterações e, às cláusulas e condições previstas na CONCORRÊNCIA n.º 2021.08.12.45-CP-ADM.

Declaramos que no preço proposto, estão inclusos todos os custos necessários para execução dos serviços, objeto da licitação, como todas as despesas com a mão-de-obra a ser utilizada, bem como todos os tributos, encargos trabalhistas, comerciais e quaisquer outras despesas que incidam ou venham a incidir sobre o objeto desta licitação, e que influenciem na formação dos preços desta Proposta.

Declaramos ainda que não possuímos nenhum fato que nos impeça de participar desta Licitação.

ITEM	DESCRIÇÃO	VALOR (R\$)
1	RECUPERAÇÃO DE ESTRADAS VICINAIS - TRECHO 01 - LOCALIDADE DE VILA NOVA À LOCALIDADE DE SÃO JOÃO. TRECHO 02 - CE 341 AS LOCALIDADES DE FOFO, ALIANÇA E SERRINHA	
2	RECUPERAÇÃO DE ESTRADAS VICINAIS - TRECHO 03 - CE 341 A LOCALIDADE DE PROVIDÊNCIA	
	TOTAL GLOBAL (R\$)	

VALOR GLOBAL DA PROPOSTA R\$:

Proponente:

Endereço:

Cidade:

CNPJ:

Telefone:

E-mail:

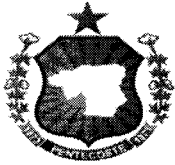
CEP:

Validade da Proposta: 60 (sessenta) dias

Prazo de execução do objeto: Conforme cronograma físico financeiro do projeto.

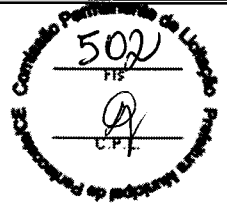
_____ -UF, ____ DE _____ DE _____.

Assinatura



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ANEXO III MINUTA DO CONTRATO

CONTRATO DE EMPREITADA Nº _____2021.08.12.45-CP-ADM

TERMO DE CONTRATO QUE ENTRE SI CELEBRAM O MUNICÍPIO DE PENTECOSTE, ATRAVÉS DA PREFEITURA MUNICIPAL DE PENTECOSTE, COM _____ PARA O FIM QUE A SEGUIR SE DECLARA.

CONTRATANTE: O MUNICÍPIO de PENTECOSTE, pessoa jurídica de direito público interno, através DA PREFEITURA MUNICIPAL de Pentecoste -estabelecido Praça Bernardino Gomes Bezerra, 457 Centro Pentecoste - CE, inscrito no CNPJ sob o no 07.682.651/00001-58, neste ato representado pelo SECRETÁRIO DE INFRAESTRUTURA E DESENVOLVIMENTO URBANO Sr. (a). _____, inscrita no CPF: _____ doravante denominada de **CONTRATANTE**, no final assinado e do outro lado _____, com sede na cidade de _____ Estado do _____ -à Rua _____, inscrita no CNPJ/MF n.º _____, representada por _____ no final assinado(a) doravante denominado **CONTRATADA**, de acordo com a CONCORRÊNCIA nº 2021.08.12.45-CP-ADM, processo nº 2021.08.12.45-CP-ADM, em conformidade com que preceitua a Lei Federal nº 8.666/93 e suas alterações posteriores, sujeitando-se os Contratantes às suas normas e às cláusulas e condições a seguir pactuadas.

CLÁUSULA PRIMEIRA - DA FUNDAMENTAÇÃO LEGAL

1. O presente Contrato tem como fundamento na **CONCORRÊNCIA** n.º **2021.08.12.45-CP-ADM** devidamente homologado pelo **SECRETÁRIO DE INFRAESTRUTURA E DESENVOLVIMENTO URBANO**, Sr. _____ e a proposta da **CONTRATADA**, tudo parte integrante deste Termo, independente de transcrição.

CLÁUSULA SEGUNDA - DO OBJETO CONTRATUAL

2.1- A presente licitação tem como objeto, a **CONTRATAÇÃO DE SERVIÇOS DE ENGENHARIA PARA RECUPERAÇÃO DE ESTRADAS VICINAIS NO MUNICÍPIO DE PENTECOSTE**, conforme descrição no anexo I do edital e na proposta de preços da contratada que constituem parte integrante deste termo contratual e conforme pauta a seguir:

ITEM	DESCRIÇÃO	VALOR TOTAL

CLÁUSULA TERCEIRA - DO REGIME DE EXECUÇÃO E DAS CONDIÇÕES DO RECEBIMENTO DO OBJETO

3.1 - O contrato proveniente da presente licitação será executado de forma indireta sob o regime de execução empreitada por preço global, sendo a execução acompanhada, conforme o caso, nos termos do art. 67 e 73 da Lei federal nº 8.666/93 e alterações posteriores.

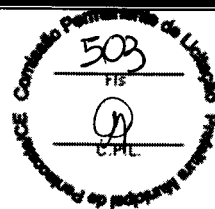
3.2 a Execução do objeto contratado deverá ser iniciado em até 05 (cinco) dias após a emissão da ordem de serviço.

3.3- A administração rejeitará o objeto executado em desacordo com o contrato (art. 76 da lei Federal 8.666/93).



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3.4 - O objeto do contrato não poderá ser objeto de cessão, subcontratação ou transferência, no todo ou em parte.

3.5. O contratado é obrigado a reparar, corrigir, remover, reconstruir ou substituir, às suas expensas, no total ou em parte, o objeto do contrato em que se verificarem vícios, defeitos ou incorreções resultantes da execução ou de materiais empregados.

3.6. O contratado é responsável pelos danos causados diretamente à Administração ou a terceiros, decorrentes de sua culpa ou dolo na execução do contrato, não excluindo ou reduzindo essa responsabilidade a fiscalização ou o acompanhamento pelo órgão interessado.

3.7. O contratado é responsável pelos encargos trabalhistas, previdenciários, fiscais e comerciais resultantes da execução do contrato.

3.8 – Do recebimento do objeto:

3.8.1 – O objeto deste contrato será recebido em duas etapas:

3.8.1.1 - **Provisoriamente**, pelo responsável por seu acompanhamento e fiscalização para efeito de posterior verificação da conformidade com as especificações do edital e/ou projeto da obra/serviço, mediante termo circunstanciado, assinado pelas partes em até 15 (quinze) dias da comunicação escrita do contratado;

3.8.1.2 - **Definitivamente**, por servidor ou comissão designada pela autoridade competente mediante termo circunstanciado, após vistoria e verificação da qualidade que comprove a adequação do objeto aos termos do Projeto da Obra e/ou Edital, observado o disposto no Art. 69 da lei 8.666/93.

CLÁUSULA QUARTA – DO VALOR

4.1-O valor total do presente Contrato é de R\$ _____ (_____), a ser pago de acordo com o determinado na Cláusula Sétima.

CLÁUSULA QUINTA – DA VIGÊNCIA DA PRORROGAÇÃO E PRAZO DE EXECUÇÃO

5.1- O contrato terá um prazo de vigência a partir da assinatura por 180 (cento e oitenta) dias, podendo ser prorrogado nos casos e formas previstos na Lei nº 8.666/93 e suas alterações posteriores.

CLÁUSULA SEXTA – DAS ALTERAÇÕES CONTRATUAIS

6.1 - O presente contrato poderá ser alterado, com as devidas justificativas, nos seguintes casos:

I - Unilateralmente pela Administração:

a). Quando houver modificação do projeto ou das especificações, para melhor adequação técnica aos seus objetivos;

b). Quando necessária a modificação do valor contratual em decorrência de acréscimo ou diminuição quantitativa de seu objeto, nos limites permitidos por esta Lei;

II - Por acordo das partes:

a). Quando conveniente a substituição da garantia de execução;

b). Quando necessária a modificação do regime de execução da obra, em face de verificação técnica da inaplicabilidade dos termos contratuais originários;

c). Quando necessária a modificação da forma de pagamento, por imposição de circunstâncias supervenientes, mantido o valor inicial atualizado, vedada a antecipação do pagamento, com relação ao cronograma financeiro fixado;

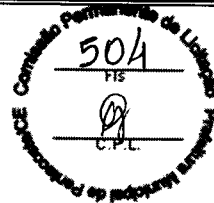
d). Para restabelecer a relação que as partes pactuaram inicialmente entre os encargos do contratado e a retribuição da administração para a justa remuneração da obra, objetivando a manutenção do equilíbrio econômico-financeiro inicial do contrato.

6.2 - O contratado fica obrigado a aceitar, nas mesmas condições contratuais, os acréscimos ou supressões que se fizerem na obra ou serviços, até 25% (vinte e cinco por cento) do valor



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inicial atualizado do contrato, conforme o disposto no § 1º, art. 65, da Lei n.º 8.666/93 e suas alterações posteriores.

CLÁUSULA SÉTIMA - DA FORMA DE PAGAMENTO DO PREÇO E DO CRITÉRIO REAJUSTE

7.1 - **O PAGAMENTO** será efetuado conforme andamento da obra ou cronograma físico financeiro, no prazo máximo de até 30 (trinta) dias contados da planilha de medição da obra, mediante a apresentação das Notas Fiscais/Faturas devidamente atestadas pelo Setor Competente, de acordo com as exigências administrativas em vigor.

7.2 - O Cronograma de desembolso máximo por período, será conforme estabelecido no cronograma físico financeiro, constante no anexo do presente edital.

7.3- Serão descontados da parcela sobre o valor da fatura, os valores decorrentes de indenizações ou de multas eventualmente registrados.

7.4 - A atualização financeira somente será promovida para equilíbrio econômico financeiro se acaso o contratado comprovar a variação mercadológica.

7.5 - Não haverá antecipação de pagamento.

7.6 -A Empresa vencedora deverá apresentar, junto com a fatura, como condição para que o pagamento seja efetuado, os comprovantes de regularidade fiscal.

7.7 - **PREÇOS:** Os preços ofertados devem ser apresentados com a incidência de todos os custos necessários para execução dos serviços, objeto da licitação, como todas as despesas com a mão-de-obra a ser utilizada, bem como todos os tributos, encargos trabalhistas, comerciais e quaisquer outras despesas que incidam ou venham a incidir sobre o objeto desta licitação, e que influenciem na formação dos preços desta Proposta.

7.8 - **REAJUSTE:** Os valores constantes das propostas não sofrerão reajuste, salvo os casos de equilíbrio econômico-financeiro devidamente sacramentado no Art. 65,II alínea "d" da Lei 8.666/93 e alterações posteriores, o preço poderá ser realinhado desde que a variação do preço seja solicitada e comprovada pela contratada.

CLÁUSULA OITAVAS OBRIGAÇÕES DA CONTRATANTE

8.1- A Contratante se obriga a proporcionar a Contratada, todas as condições necessárias ao pleno cumprimento das obrigações decorrentes da presente licitação, conforme estabelece a Lei n.º 8.666/93.

8.2 - Comunicar a contratada toda e qualquer ocorrência relacionada com a execução do objeto contratual, diligenciando nos casos que exigirem providências corretivas;

8.3- Providenciar o pagamento à contratada à vista das Notas Fiscais/Faturas e recibo, devidamente atestadas pelo setor competente.

8.4- Cabe ao contratante, a seu critério e através de servidor designado pela administração exerce ampla, e restrita e permanente fiscalização de todas as fases de execução das obrigações e do desempenho da Contratada, sem prejuízo do dever desta de fiscalizar seus empregados prepostos ou subordinados.

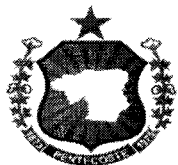
CLÁUSULA NONA DAS OBRIGAÇÕES DA CONTRATADA

9.1- Executar o objeto do Contrato de conformidade com as condições e prazos estabelecidos no edital, no Termo Contratual e na proposta vencedora do certame;

9.2- Manter durante toda a execução do objeto contratual, em compatibilidade com as obrigações assumidas, todas as condições de habilitação e qualificação exigidas na Lei de Licitações;

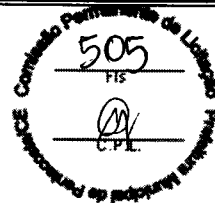
9.3- Utilizar profissionais devidamente habilitados;

9.4- Providenciar a imediata correção das deficiências e/ou irregularidades apontadas pela Contratante;



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9.5-Arcar com eventuais prejuízos causados à Contratante e/ou terceiros, provocados por ineficiência ou irregularidade cometida por seus empregados e/ou prepostos envolvidos na execução do objeto contratual;

10.6- Assumir inteira responsabilidade com todas as despesas diretas e indiretas com as pessoas envolvidas na execução do objeto contratual, que não terão nenhum vínculo empregatício com a Contratante;

9.7- Aceitar nas mesmas condições contratuais os acréscimos e supressões até o limite fixado no § 1º, do art. 65, da Lei no 8.666/93 e suas alterações posteriores;

9.8- A contratada declara aceitar, integralmente, todos os métodos e processos de inspeção, verificação e controle a serem adotados pela contratante.

9.9 - A contratada declara concordância com a adequação do projeto parte integrante do edital de licitação e as alterações contratuais sob alegação de falhas ou omissões em qualquer das peças, orçamentos, plantas, especificações, memoriais e estudos técnicos preliminares do projeto não poderão ultrapassar, no seu conjunto, dez por cento do valor total do contrato, computando-se esse percentual para verificação do limite previsto no § 1º do art. 65 da Lei nº 8.666, de 1993.

9.10 - A responsabilidade pela qualidade da obra, materiais e serviços executados/fornecidos, será da empresa contratada, inclusive a promoção de readequações, sempre que detectadas impropriedades que possam comprometer a execução do objeto licitado.

CLÁUSULA DÉCIMA – DA DOTAÇÃO ORÇAMENTÁRIA

10.1- As despesas decorrentes do contrato a ser celebrado com a empresa vencedora, correrão por conta da dotação orçamentária a seguir:

SERVIÇO	UNIDADE ORÇAMENTÁRIA	PROJETOS ATIVIDADES	ELEMENTO DE DESPESAS
Pavimentação, Ampliação e Melhoria da Malha Rodoviária Municipal.	0601- Secretaria de Infraestrutura e Desenvolvimento Urbano	26.782.0501.1.013	4.4.90.51.00

CLÁUSULA DÉCIMA PRIMEIRA -DAS SANÇÕES ADMINISTRATIVAS

11.1- Pela inexecução total ou parcial das obrigações assumidas, garantidas a prévia defesa, a Administração poderá aplicar à Contratada, as seguintes sanções:

a) advertência.

b) Multa:

b.1) De 5% (cinco por cento), calculada sobre o valor a ser pago à Contratada, pelo atraso injustificado na execução do objeto contratual;

b.2). De 10% (dez por cento) sobre o valor do Contrato pela inexecução total ou parcial do objeto contratual;

b.3) Os valores das multas referidas neste item serão descontados "ex-officio" da licitante vencedora, mediante subtração a ser efetuada em qualquer fatura de crédito em seu favor que mantenha junto à Prefeitura de Pentecoste, independente de notificação ou interpelação judicial ou extrajudicial.

c) Suspensão temporária de participação em licitação e impedimento de contratar com a Administração por prazo não superior a 02 (dois) anos, nas hipóteses de execução irregular, atrasos ou inexecução de que resulte prejuízo para a administração.

d) Declaração de Inidoneidade para licitar ou contratar com a Administração Pública, de no mínimo 2 (dois) anos, ou enquanto perdurarem os motivos determinantes da punição ou até que seja promovida a sua reabilitação, nas hipóteses em que a execução irregular, os atrasos ou a inexecução associem-se à prática de ilícito penal.

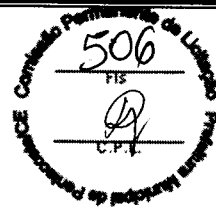
CLÁUSULA DÉCIMA SEGUNDA -DA RESCISÃO CONTRATUAL

12.1 - A inexecução total ou parcial do contrato enseja a sua rescisão, com as consequências contratuais e as previstas na Cláusula anterior do presente termo.



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12.2. Constituem motivo para rescisão do contrato:

- I - O não cumprimento de cláusulas contratuais, especificações, projetos ou prazos;
 - II - O cumprimento irregular de cláusulas contratuais, especificações, projetos e prazos;
 - III - A lentidão injustificada do seu cumprimento, levando a Administração a comprovar a impossibilidade da conclusão da obra, nos prazos estipulados;
 - IV - O atraso injustificado no início da obra;
 - V - A paralisação da obra, sem justa causa e prévia comunicação à Administração;
 - VI - A subcontratação total do seu objeto, a associação do contratado com outrem, a cessão ou transferência, total ou parcial, bem como a fusão, cisão ou incorporação, não admitidas no edital e no contrato;
 - VII - O desatendimento das determinações regulares da autoridade designada para acompanhar e fiscalizar a sua execução, assim como as de seus superiores;
 - VIII - O cometimento reiterado de faltas na sua execução;
 - IX - A decretação de falência ou a instauração de insolvência civil;
 - X - A dissolução da sociedade ou o falecimento do contratado;
 - XI - A alteração social ou a modificação da finalidade ou da estrutura da empresa, que prejudique a execução do contrato;
 - XII - Razões de interesse público, de alta relevância e amplo conhecimento, justificadas e determinadas pela máxima autoridade da esfera administrativa a que está subordinado o contratante e exaradas no processo administrativo a que se refere o contrato;
 - XIII - A supressão, por parte da Administração, de obras, acarretando modificação do valor inicial do contrato além do limite permitido no § 1º do art. 65 desta Lei;
 - XIV - A suspensão de sua execução, por ordem escrita da Administração, por prazo superior a cento e vinte dias;
 - XV - O atraso superior a noventa dias dos pagamentos devidos pela Administração decorrentes de obras já recebidos ou executados, salvo em caso de calamidade pública, grave perturbação da ordem interna ou guerra, assegurado ao contratado o direito de optar pela suspensão do cumprimento de suas obrigações até que seja normalizada a situação;
 - XVI - A não liberação, por parte da Administração, de área, local ou objeto para execução de obra, serviço ou fornecimento, nos prazos contratuais, bem como das fontes de materiais naturais especificadas no projeto;
 - XVII - A ocorrência de caso fortuito ou de força maior, regularmente comprovada, impeditiva da execução do contrato.
- a). Os casos de rescisão contratual serão formalmente motivados nos autos do processo, assegurado o contraditório e a ampla defesa.
- XVIII - Descumprimento do disposto no inciso V do art. 27, sem prejuízo das sanções penais cabíveis;

12.3 - A rescisão do contrato poderá ser:

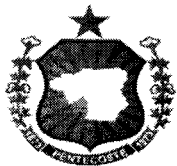
- I - Determinada por ato unilateral e escrito da Administração, nos casos enumerados nos incisos I a XII e XVII do item anterior;
- II - Amigável, por acordo entre as partes, reduzida a termo no processo da licitação, desde que haja conveniência para a Administração;
- III - Judicial, nos termos da legislação;

12.4 A rescisão de que trata o subitem I do item anterior acarreta as consequências, previstas no art. 80 da Lei 8.666/93.

CLAUSULA DÉCIMA TERCEIRA – DA GARANTIA CONTRATUAL

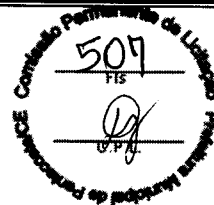
13.1. Para garantir a execução das obras a CONTRATADA apresentou Garantia Contratual, conforme previsto no item 9 do edital, e no art. 56 da Lei 8.666/93 e alterações posteriores.

A Garantia foi apresentada na modalidade _____, no valor de R\$ _____ (_____), correspondente a 5% (cinco por cento) do valor ora



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contratado, devendo o seu prazo de validade ser permanentemente atualizado até a expedição do Termo de Recebimento Definitivo das Obras e Serviços.

13.2. A garantia prestada pelo contratado será liberada ou restituída após a execução do contrato, conforme termo de recebimento definitivo das obras e serviços, deduzido do valor, as infrações e multas por ventura cometidas.

CLAUSULA DÉCIMA QUARTA – DA PUBLICAÇÃO DO CONTRATO

14.1 - Em 20 (vinte) dias, contados de sua assinatura, o Contratante providenciará a publicação no quadro de avisos desta Prefeitura Municipal, o resumo, do presente termo de contrato.

CLÁUSULA DÉCIMA QUINTA- DO FORO

Fica eleito o foro da cidade de **Pentecoste**, para dirimir as questões relacionadas com a execução deste contrato não resolvidas pelos meios administrativos.

E, estando assim acertados, assinam o presente Instrumento, em 02 (duas) vias perante duas testemunhas que também o assinam, para que produza seus jurídicos e legais efeitos.

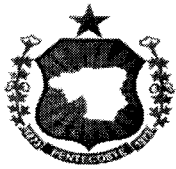
Pentecoste (CE), _____ e _____ de _____.

CONTRATANTE

CONTRATADA

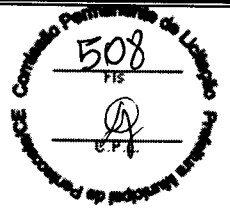
Testemunhas:

01. _____ 02. _____
CPF: _____ CPF: _____



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AS MICROEMPRESA OU EMPRESA DE PEQUENO PORTE DEVERÃO APRESENTAR O PRESENTE DOCUMENTO NO ENVELOPE DA DOCUMENTAÇÃO DE HABILITAÇÃO

ANEXO IV-DECLARAÇÃO DE MICROEMPRESA, EMPRESA DE PEQUENO PORTE

(PAPEL TIMBRADO DA PROPONENTE)

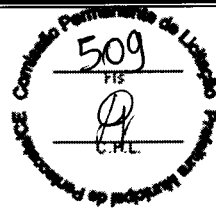
Declaramos para os efeitos do disposto na Lei Complementar nº 123, de 14 de dezembro de 2006, que a Empresa....., inscrita no CNPJ sob o nº, está enquadrada na categoria (Microempresa ou empresa de pequeno porte), bem como não está incluída nas hipóteses do § 4º, do art.3º, da Lei supracitada.

.....
Nome e assinatura do representante
RG nº.....



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DOCUMENTO EXIGIDO NA HABILITAÇÃO

ANEXO V – MODELO DE DECLARAÇÃO – EMPREGADOR E PESSOA JURÍDICA

(PAPEL TIMBRADO DA PROPONENTE)

Á
Comissão de licitação da Prefeitura Municipal de Pentecoste.

Ref. **CONCORRÊNCIA Nº 2021.08.12.45-CP-ADM**

DECLARAÇÃO

....., inscrita no CNPJ nº....., por intermédio de seu representante legal o (a)....., portador (a) da carteira de identidade nº..... e do CPF nº....., DECLARA, para fins do disposto no inciso V, do art. 27 da lei nº 8.666, de 21 de julho de 1993, acrescida pela Lei nº 9.854 de 27 de outubro de 1999, que não emprega menor de dezoito anos em trabalho noturno, perigoso ou insalubre e não emprega menos de dezesseis anos.

Ressalva: emprega menor, a partir de quatorze anos, na condição de aprendiz ().

.....
(DATA)

.....
NOME

(Observação em caso afirmativo, assinalar a ressalva a cima)