



GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTE – SETRAN

PROJETO BÁSICO DE ENGENHARIA PARA
CONSTRUÇÃO E PAVIMENTAÇÃO

RODOVIA: PA-160 (VICINAL – VS-53)

TRECHO: CANAÃ DOS CARAJÁS – ENTRONC. BR-155 (POSTO 70)

EXTENSÃO: 45,0 Km



VOLUME 2
PROJETO BÁSICO DE EXECUÇÃO



OUTUBRO 2023

1. *Índice*

1. INDICE:.....	Pag.- 03 e 04
2. MAPA DE SITUAÇÃO:.....	Pag.- 06
3. RESUMO DE QUANTIDADES:	Pag.- 08 e 09
4. PROJETO GEOMÉTRICO	
Seções Transversais Tipo- Geométrico:.....	Pag.- 11
Projeto Geométrico:.....	Pag.- 12 a 74
5. PROJETO DE TERRAPLENAGEM	
Seções Transversais Tipo - Terraplenagem:.....	Pag.- 76
Alargamento do Aterro:.....	Pag.- 77
Gráfico Linear de Distribuição:.....	Pag.- 78
Resumo de Terraplenagem:	Pag.- 79
Distribuição de Terraplenagem:.....	Pag.- 80 a 84
Limpeza e Desmatamentos:.....	Pag.- 85
Remoção de Solo Mole:	Pag.- 86
6. PROJETO DE PAVIMENTAÇÃO	
Seções Transversais Tipo – Pavimentação:.....	Pag.- 88
Gráfico Linear de Distribuição:.....	Pag.- 89
Demonstrativos Das Quantidades dos Serviços de Pavimentação:.....	Pag.- 90 a 95
7. PROJETO DE DRENAGEM E OBRAS DE ARTES CORRENTES	
Sarjeta de Concreto e Listagem:.....	Pag.- 97 e 98
Meio-Fio de Concreto:.....	Pag.- 99
Entrada p/ Descida D'água Descida D'água de Aterro Tipo Rápido Dissipador de Energia:.....	Pag.- 100 a 103
Valeta e Listagem:.....	Pag.- 104 a 105
Drenos Longitudinais e Listagem:.....	Pag.- 106 a 108
Seção Transversal de Tubos de Concretos Armado:.....	Pag.- 109
Berços e Dentes para Assentamento de Bueiro:.....	Pag.- 110
Bocas de Bueiros Normais e Esconsas:.....	Pag.- 111 a 115
Resumo de Quantidades de Bueiros:.....	Pag.- 116 a 118

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTE - SETRAN		
	RODOVIA: PA – 160 (VICINAL – VS-53) TRECHO: CANAÃ DOS CARAJÁS – ENTRONC. BR-155 EXTENSÃO: 45,0 Km	
ÍNDICE		DES.-

8. PROJETO DE SINALIZAÇÃO



Projeto de Sinalização:.....	Pag.- 120 a 182
Sinais Tipo – Indicativa, Regulamentação e Advertência:.....	Pag.- 183 a 185
Sinalização Vertical – Letras e Números:.....	Pag.- 186 a 188
Sinalização Horizontal:.....	Pag.- 189
Detalhes de Setas:.....	Pag.- 190
Marcações no Pavimento:.....	Pag.- 191 e 192
Área Zebrada:.....	Pag.- 193
Dispositivos Auxiliares (Tachas e Tachões) :.....	Pag.- 194
Marcadores de Obstáculos:.....	Pag.- 195
Sinalização de Obras:.....	Pag.- 196 a 199
Resumo das Quantidades de Sinalização:.....	Pag.- 200

9. PROTEÇÃO AMBIENTAL

Proteção Ambiental:.....	Pag.- 202
Recuperação de Jazidas e Listagem:.....	Pag.- 203 e 204
Proteção Vegetal e Listagem:.....	Pag.- 205 a 207

10. PROJETO DE OBRAS COMPLEMENTARES

Defensas e Listagem:.....	Pag.- 209 a 211
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ÍNDICE		DES.-

2. *Mapa de Situação*



Coordenadas Iniciais
6°33'27.39"S
49°50'30.17"O

Coordenadas Finais
6°41'05.27"S
49°29'31.71"O

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EXTENSÃO: 45,00 Km



MAPA DE SITUAÇÃO

DES.

3.

Resumo de Quantidades

QUADRO DE QUANTIDADE

ITEM	DISCRIMINAÇÃO DOS SERVIÇOS	UN	QUANTIDADE	ITEM	DISCRIMINAÇÃO DOS SERVIÇOS	UN	QUANTIDADE
I	SERVIÇOS PRELIMINARES			III	SERVIÇOS DE PAVIMENTAÇÃO		
1.1	Mobilização e desmobilização	und	1,00	3.1	Regularização do subleito	m ²	125.722,80
1.2	Adiministraçã local	und	1,00	3.2	Sub-base solo estabilizado granul. s/ mistura - DMT=5,31 KM	m ³	24.545,88
1.3	Instalação de canteiro	und	1,00	3.3	Base solo estabilizado granul. s/ mistura - DMT=3,26 KM	m ³	17.511,39
1.4	Placa da obra (8,00x4,00m) x 2 und	m ²	64,00	3.4	Imprimação	m ²	99.780,00
1.5	Desmatamento, destocamento, limpeza de área e estocagem do material de limpeza com árvores de diâmetro até 0,15 m	m ²	78.300,00	3.5	Pintura de ligação	m ²	220.068,00
II	SERVIÇOS DE TERRAPLENAGEM			3.6	CBUQ - capa rolamento AC/BC	t	22.923,33
2.1	Esc. carga transp. mat 1ª cat DMT 50 m	m ³	954,07	IV	SERVIÇOS DE DRENAGEM E OBRAS DE ARTE CORRENTE		
2.2	Esc. carga transp. mat 1ª cat DMT 50 a 200m c/e	m ³	10.152,71	4.1	Escavação mecânica de vala em mat.1a cat.	m ³	1.469,00
2.3	Esc. carga transp. mat 1ª cat DMT 200 a 400m c/e	m ³	14.472,50	4.2	Reaterro e compactação	m ³	1.145,32
2.4	Esc. carga transp. mat 1ª cat DMT 400 a 600m c/e	m ³	13.136,62	4.3	Corpo BSTC D=0,60 m AC/BC/PC	m	48,00
2.5	Esc. carga transp. mat 1ª cat DMT 600 a 800m c/e	m ³	12.050,00	4.4	Corpo BSTC D=0,80 m AC/BC/PC	m	44,00
2.6	Esc. carga transp. mat 1ª cat DMT 800 a 1000m c/e	m ³	7.411,30	4.5	Corpo BSTC D=1,00 m AC/BC/PC	m	129,00
2.7	Esc. carga transp. mat 1ª cat DMT 1000 a 1200m c/e	m ³	6.232,00	4.6	Corpo BDTC D=1,00 m AC/BC/PC	m	16,00
2.8	Esc. carga transp. mat 1ª cat DMT 1200 a 1400m c/e	m ³	10.623,20	4.7	Corpo BTTC D=1,00 m AC/BC/PC	m	16,00
2.9	Esc. carga transp. mat 1ª cat DMT 1400 a 1600m c/e	m ³	5.900,00	4.8	Corpo BTTC D=1,20 m AC/BC/PC	m	16,00
2.10	Esc. carga transp. mat 1ª cat DMT 1600 a 1800m c/e	m ³	9.300,00	4.9	Boca BSTC D=0,60 m normal AC/BC/PC	m	12,00
2.11	Esc. carga transp. mat 1ª cat DMT 1800 a 2000m c/e	m ³	9.164,20	4.10	Boca BSTC D=0,80 m normal AC/BC/PC	und	14,00
2.12	Esc. carga transp. mat 1ª cat DMT 2000 a 3000m c/e	m ³	10.225,67	4.11	Boca BSTC D=1,00 m normal AC/BC/PC	und	50,00
2.13	Esc. carga transp. mat 1ª cat DMT 3000 a 5000m c/e	m ³	12.576,66	4.12	Boca BDTC D=1,00 m normal AC/BC/PC	und	14,00
2.14	Compactação de aterros a 95% proctor normal	m ³	28.199,75	4.13	Boca BTTC D=1,00 m normal AC/BC/PC	und	8,00
2.15	Compactação de aterros a 100% proctor normal	m ³	65.799,42	4.14	Boca BTTC D=1,20 m normal AC/BC/PC	und	2,00
2.16	Remoção de material inservível (Bota fora) DMT= até 3,0 km	m ³	220,80	4.15	Sarjeta triangular de concreto - STC 02	und	8.140,00
2.17	Camada de drenagem para fundação de aterro com areia	m ³	220,80	4.16	Valeta prot.cortes c/revest. vegetal - VPC 01	und	280,00

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EXTENSÃO: 45,0 Km



QUADRO DE QUANTIDADES

QD

QUADRO DE QUANTIDADE

ITEM	DISCRIMINAÇÃO DOS SERVIÇOS	UN	QUANTIDADE	ITEM	DISCRIMINAÇÃO DOS SERVIÇOS	UN	QUANTIDADE
4.17	Valeta prot.aterros c/revest. vegetal - VPA 01	m	260,00	IX	PROJETOS		
4.18	Meio-fio de concreto - MFC 03 AC/BC	m	5.200,00	9.1	Detalhamento de projeto	km	26,60
4.19	Entrada d'água - EDA 01 AC/BC	m	136,00				
4.20	Entrada d'água - EDA 02 AC/BC	m	72,00				
4.21	Descida d'água tipo rap.canal retang.-DAR 02 AC/BC	und	646,50				
4.22	Dissipador de energia - DEB 01 AC/BC/PC	und	208,00				
4.23	Dissipador de energia - DES 02 AC/PC	m	15,00				
4.24	Dissipador de energia - DES 04 AC/PC	und	2,00				
4.25	Dreno longit.prof. p/corte em solo - DPS 07 AC/BC	und	3.890,00				
4.26	Boca de saída p/dreno longit. prof. - BSD 01 AC/BC	und	11,00				
V	OBRAS COMPLEMENTARES						
5.1	Defensa maleável simples (forn./ impl.)	m	256,00				
5.2	Reabilitação ambiental das áreas de jazida, empréstimos e acampamento	m²	71.250,00				
5.3	Revestimento vegetal dos taludes de aterro	m²	69.603,00				
6	SINALIZAÇÃO HORIZONTAL						
6.1	Pintura faixa-tinta b.acrílica emuls. água - 2 anos	m²	14.040,00				
6.2	Pint. setas/zebrado-tinta b.acríl. emuls. água-2a.	m²	71,49				
6.3	Forn. e colocação de tacha reflet. bidirecional	und	9.975,00				
6.4	Forn. e colocação de tachão reflet. bidirecional	und	320,00				
6.5	Pórtico metálico AC/BC	und	1,00				
7	SINALIZAÇÃO VERTICAL						
7.1	Forn. e implantação placa sinaliz. tot.refletiva	m²	55,07				
8	MEIO AMBIENTE						
8.1	Projeto de licenciamento junto ao órgão ambiental (jazidas e usinas)	und	1,00				

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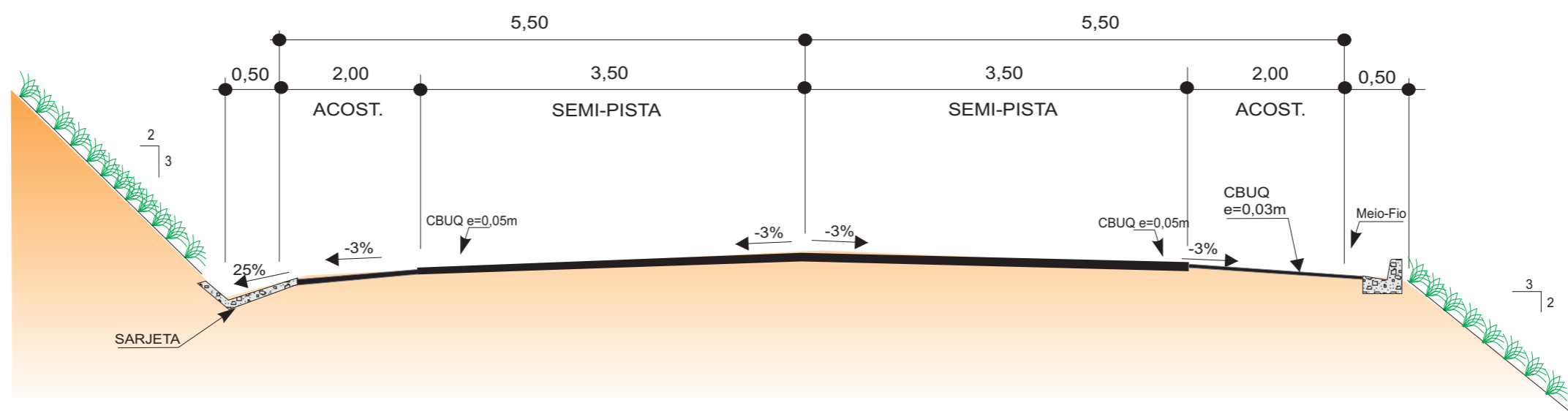


QUADRO DE QUANTIDADES

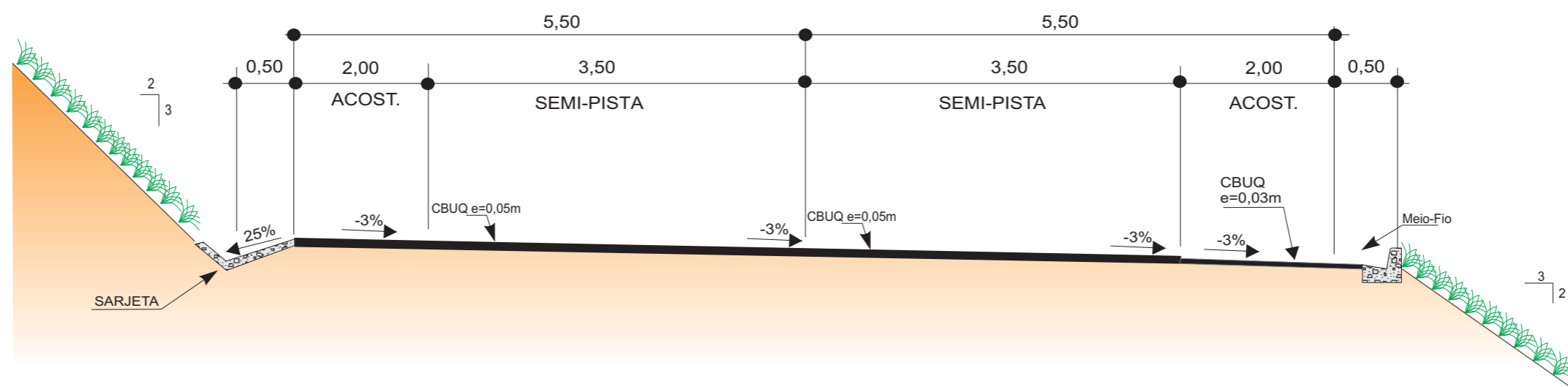
QD

4. *Projeto Geométrico*

SEÇÃO EM TANGENTE



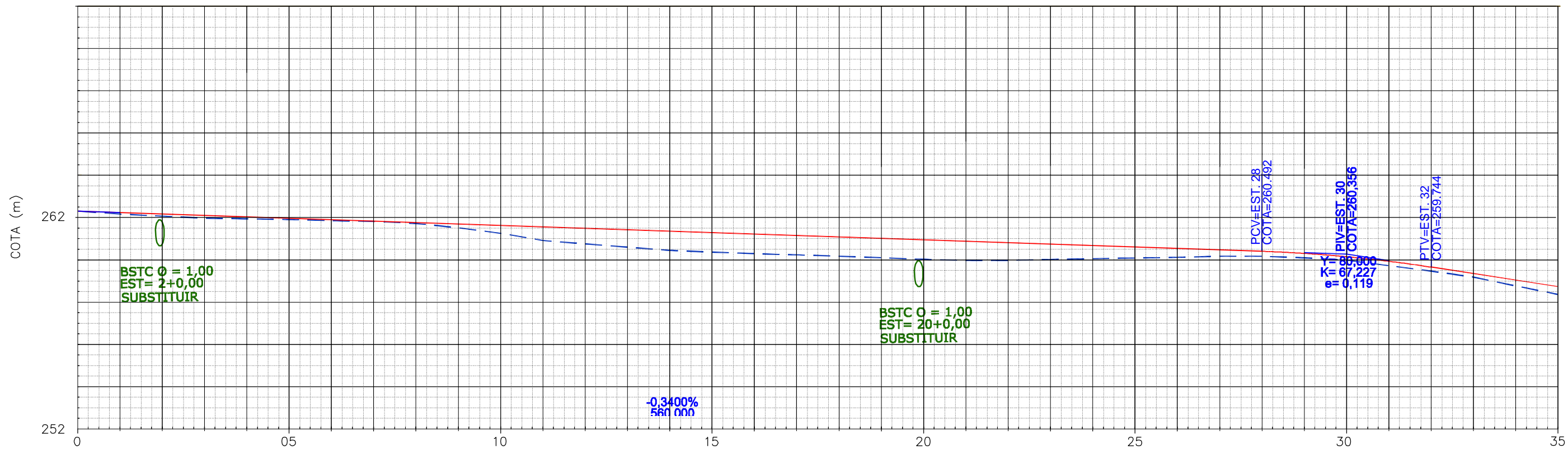
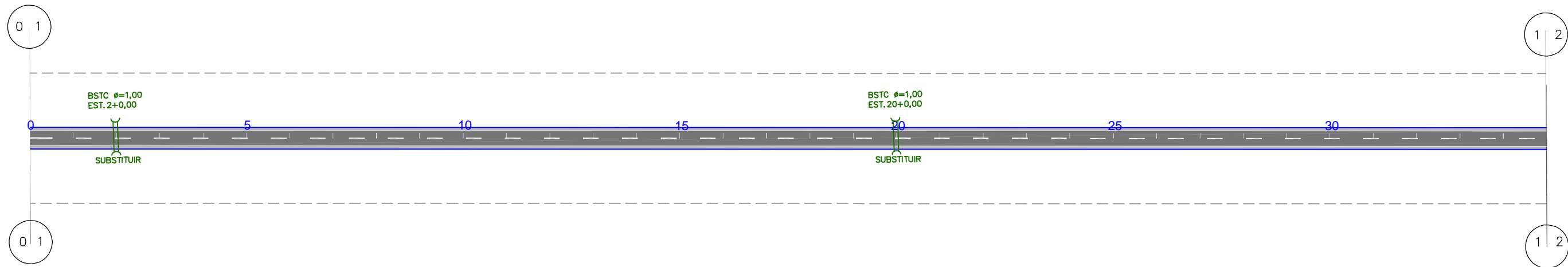
SEÇÃO EM CURVA



OBSERVAÇÃO:

1 - DIMENSÕES EM METROS.

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	EXTENSÃO: 45,00 Km	
SEÇÃO TIPO GEOMÉTRICO		DES.



Terreno:	262,396	262,254	262,158	262,063	262,030	261,999	261,947	261,908	261,812	261,602	261,345	261,004	260,845	260,687	260,536	260,455	260,382	260,324	260,261	260,188	260,112	260,065	260,067	260,105	260,143	260,177	260,205	260,260	260,492	260,259	260,188	260,073	260,020	259,816	259,558	259,271	258,858	258,457
Projeto:	262,396	262,328	262,260	262,192	262,124	262,056	261,988	261,920	261,852	261,784	261,716	261,648	261,580	261,512	261,444	261,376	261,308	261,240	261,172	261,104	261,036	260,968	260,900	260,832	260,764	260,696	260,628	260,560	260,492	260,394	260,237	260,073	260,020	259,744	259,438	259,132	258,826	

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

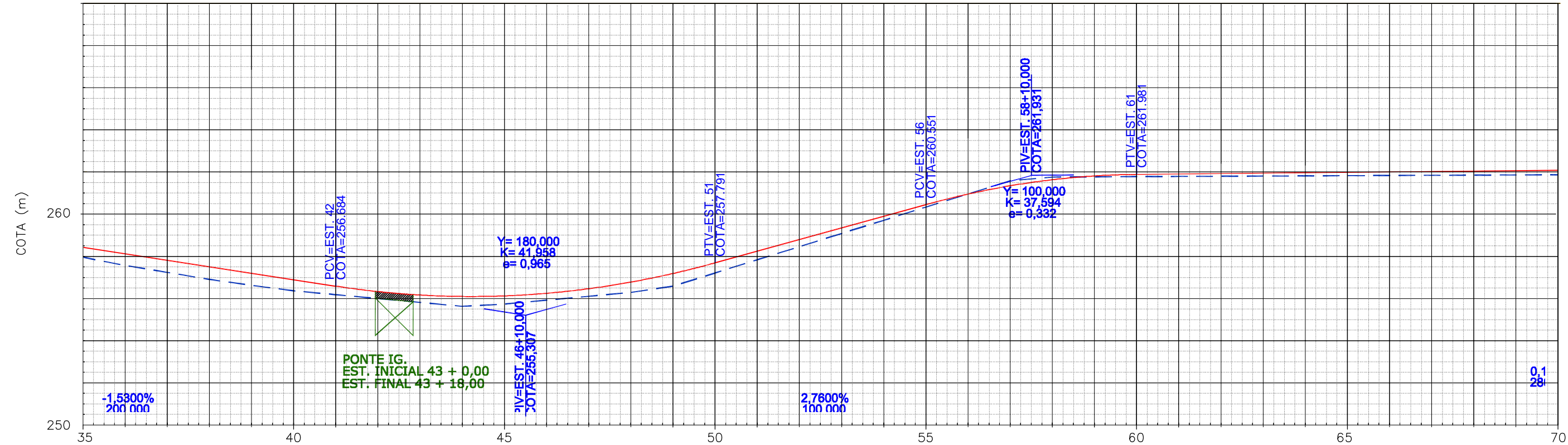
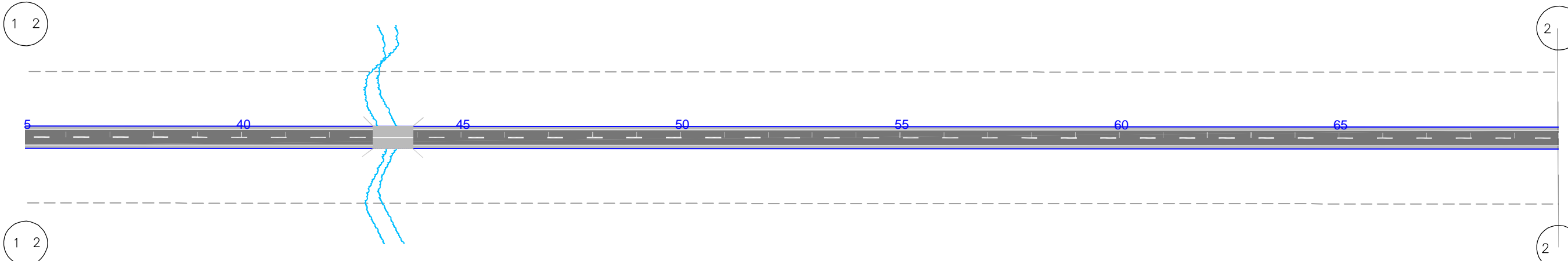
VERTICAL

GOVERNO DO ESTADO DO PARÁ
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RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



Terreno:	258,457	258,055	257,665	257,338	257,002	256,723	256,466	256,281	256,096	255,911	255,726	255,537	256,020	256,204	256,387	256,688	257,312	257,937	258,561	259,186	259,810	260,435	261,059	261,684	261,857	261,866	261,875	261,884	261,893	261,902	261,911	261,920	261,929	261,939	261,948	261,957
Projeto:	258,826	258,520	258,214	257,908	257,602	257,296	256,990	256,684	256,426	256,263	256,195	256,223	256,346	256,564	256,878	257,287	257,791	258,343	258,895	259,447	259,999	260,551	261,050	261,442	261,728	261,908	261,981	262,001	262,021	262,041	262,061	262,081	262,101	262,121	262,141	262,161

REVESTIMENTO CBUQ:

POSTE:

CASA ALVENARIA:

EM PLANTA:

EM PERFIL:

CURVA DE NIVEL:

TERRENO NATURAL:

GREIDE:

NORTE:

ESCALA GRÁFICA:

HORIZONTAL: 0m, 20m, 40m, 80m, 100m

VERTICAL: 0m, 2m, 4m, 8m, 10m

GOVERNO DO ESTADO DO PARÁ
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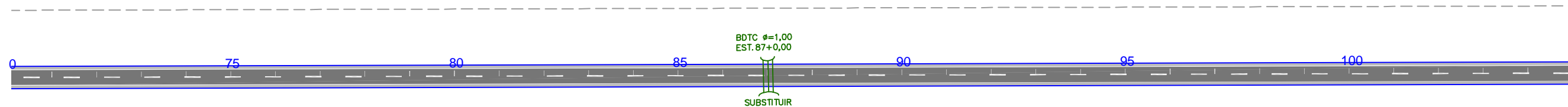
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PROJETO GEOMÉTRICO

DES.:

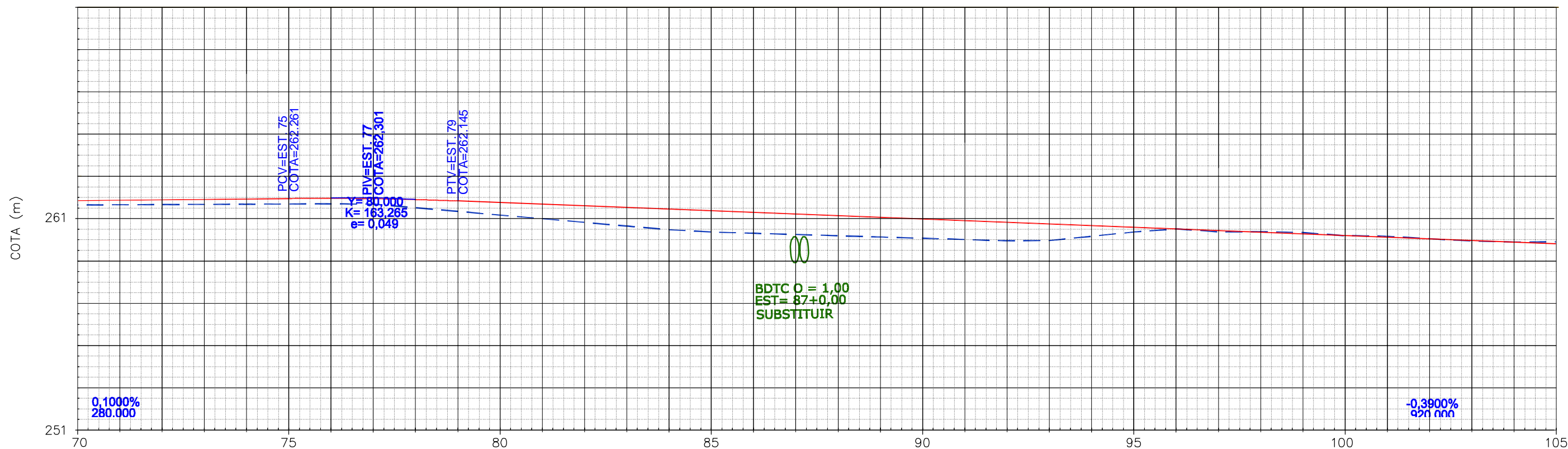
2 3

3 4



2 3

3 4



Terreno:	261,957	261,966	261,975	261,984	261,993	262,002	262,011	261,997	261,824	261,651	261,478	261,305	261,132	260,959	260,786	260,678	260,619	260,559	260,500	260,440	260,381	260,321	260,262	260,274	260,277	260,680	260,827	260,864	260,901	260,938	260,975	261,011	261,048	261,085	260,891	260,582
Projeto:	262,161	262,181	262,201	262,221	262,241	262,261	262,269	262,252	262,211	262,145	262,067	261,989	261,911	261,833	261,755	261,677	261,599	261,521	261,443	261,365	261,287	261,209	261,131	261,053	260,975	260,897	260,819	260,741	260,663	260,585	260,507	260,429	260,351	260,273	260,195	260,117

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EXIDO LOCADO DO PROJ.

F. DOMINIO DO EXIST.

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

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TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

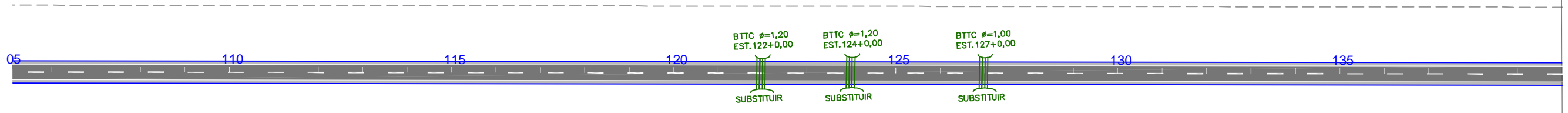
PROJETO GEOMÉTRICO

DES.:

Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
 N° do Protocolo: 2023/1133185 Anexo/Sequencial: 14

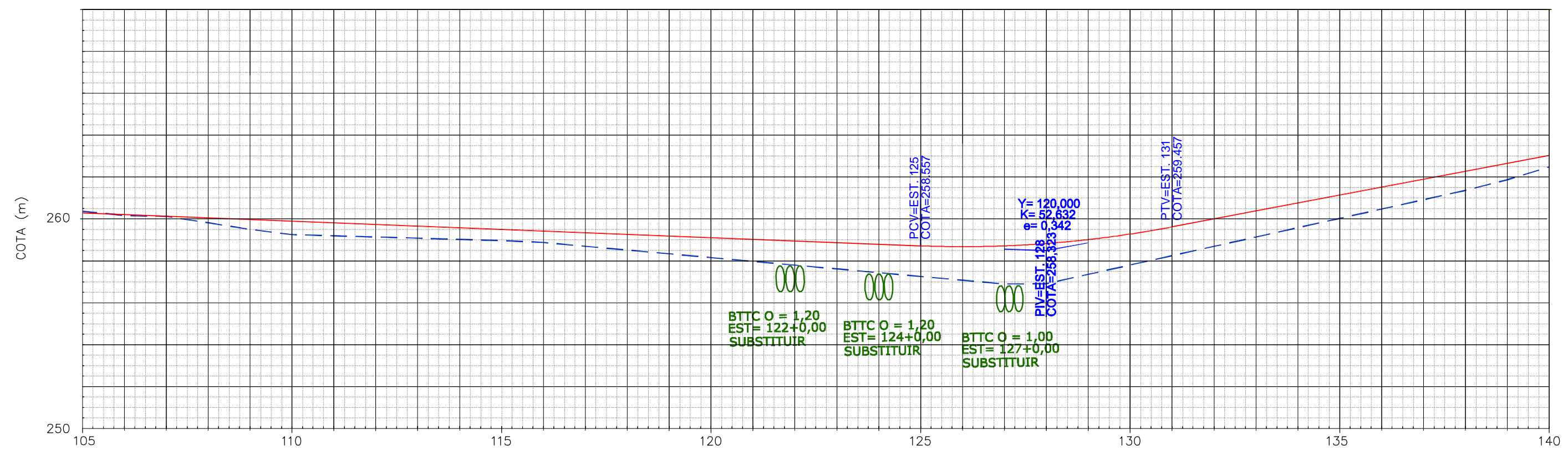
3 4

4 5



3 4

4 5



Terreno:	-260,582	-260,273	-259,964	-259,655	-259,343	-259,092	-259,035	-258,977	-258,920	-258,862	-258,804	-258,716	-258,536	-258,356	-258,176	-257,996	-257,816	-257,636	-257,456	-257,276	-257,096	-256,916	-256,736	-256,556	-256,376	-256,195	-256,015	-255,835	-255,655	-255,475	-255,295	-255,115	-254,935	-254,755	-254,575	-254,395	-254,215	-254,035	-253,855	-253,675	-253,495	-253,315	-253,135	-252,955	-252,775	-252,595	-252,415	-252,235	-252,055	-251,875	-251,695	-251,515	-251,335	-251,155	-250,975	-250,795	-250,615	-250,435	-250,255	-250,075	-249,895	-249,715	-249,535	-249,355	-249,175	-248,995	-248,815	-248,635	-248,455	-248,275	-248,095	-247,915	-247,735	-247,555	-247,375	-247,195	-247,015	-246,835	-246,655	-246,475	-246,295	-246,115	-245,935	-245,755	-245,575	-245,395	-245,215	-245,035	-244,855	-244,675	-244,495	-244,315	-244,135	-243,955	-243,775	-243,595	-243,415	-243,235	-243,055	-242,875	-242,695	-242,515	-242,335	-242,155	-241,975	-241,795	-241,615	-241,435	-241,255	-241,075	-240,895	-240,715	-240,535	-240,355	-240,175	-240,000																																																																																																																																															
Projeto:	-260,117	-260,039	-259,961	-259,883	-259,805	-259,727	-259,649	-259,571	-259,493	-259,415	-259,337	-259,259	-259,181	-259,103	-259,025	-258,947	-258,869	-258,791	-258,713	-258,635	-258,557	-258,479	-258,401	-258,323	-258,245	-258,167	-258,089	-258,011	-257,933	-257,855	-257,777	-257,699	-257,621	-257,543	-257,465	-257,387	-257,309	-257,231	-257,153	-257,075	-256,997	-256,919	-256,841	-256,763	-256,685	-256,607	-256,529	-256,451	-256,373	-256,295	-256,217	-256,139	-256,061	-255,983	-255,905	-255,827	-255,749	-255,671	-255,593	-255,515	-255,437	-255,359	-255,281	-255,203	-255,125	-255,047	-254,969	-254,891	-254,813	-254,735	-254,657	-254,579	-254,501	-254,423	-254,345	-254,267	-254,189	-254,111	-254,033	-253,955	-253,877	-253,799	-253,721	-253,643	-253,565	-253,487	-253,409	-253,331	-253,253	-253,175	-253,097	-253,019	-252,941	-252,863	-252,785	-252,707	-252,629	-252,551	-252,473	-252,395	-252,317	-252,239	-252,161	-252,083	-252,005	-251,927	-251,849	-251,771	-251,693	-251,615	-251,537	-251,459	-251,381	-251,303	-251,225	-251,147	-251,069	-250,991	-250,913	-250,835	-250,757	-250,679	-250,601	-250,523	-250,445	-250,367	-250,289	-250,211	-250,133	-250,055	-249,977	-249,899	-249,821	-249,743	-249,665	-249,587	-249,509	-249,431	-249,353	-249,275	-249,197	-249,119	-249,041	-248,963	-248,885	-248,807	-248,729	-248,651	-248,573	-248,495	-248,417	-248,339	-248,261	-248,183	-248,105	-248,027	-247,949	-247,871	-247,793	-247,715	-247,637	-247,559	-247,481	-247,403	-247,325	-247,247	-247,169	-247,091	-247,013	-246,935	-246,857	-246,779	-246,701	-246,623	-246,545	-246,467	-246,389	-246,311	-246,233	-246,155	-246,077	-246,000	-245,922	-245,844	-245,766	-245,688	-245,610	-245,532	-245,454	-245,376	-245,298	-245,220	-245,142	-245,064	-244,986	-244,908	-244,830	-244,752	-244,674	-244,596	-244,518	-244,440	-244,362	-244,284	-244,206	-244,128	-244,050	-243,972	-243,894	-243,816	-243,738	-243,660	-243,582	-243,504	-243,426	-243,348	-243,270	-243,192	-243,114	-243,036	-242,958	-242,880	-242,802	-242,724	-242,646	-242,568	-242,490	-242,412	-242,334	-242,256	-242,178	-242,100	-242,022	-241,944	-241,866	-241,788	-241,710	-241,632	-241,554	-241,476	-241,398	-241,320	-241,242	-241,164	-241,086	-241,008	-240,930	-240,852	-240,774	-240,696	-240,618	-240,540	-240,462	-240,384	-240,306	-240,228	-240,150	-240,072	-240,000

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:

4 5

4 5

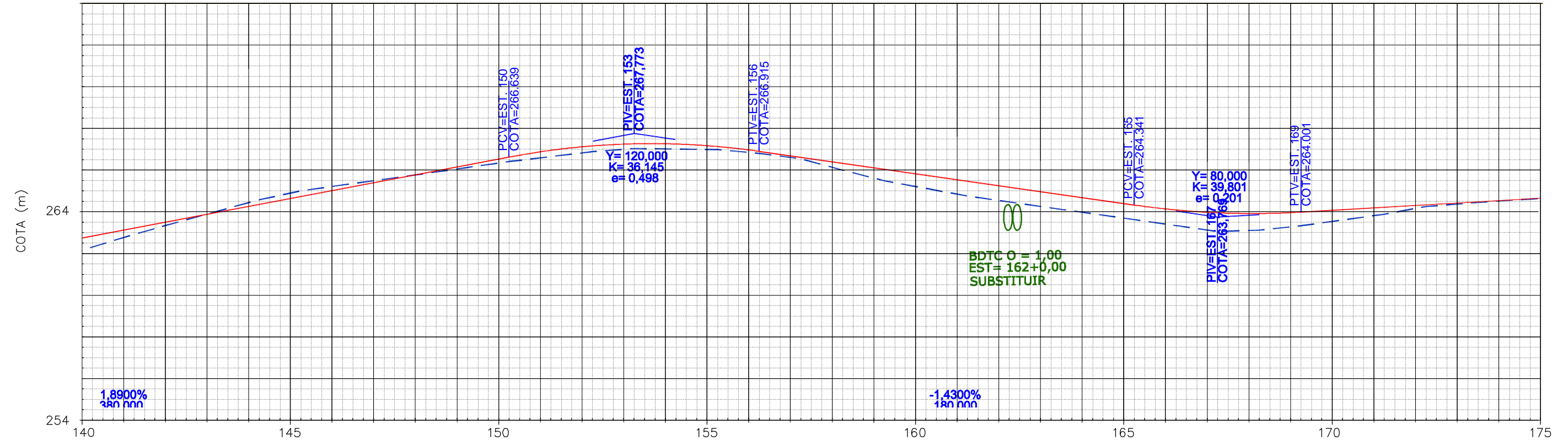
5 6

5 6

40 145 150 155 160 165 170

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EST.162+0,00
SUBSTITUIR

BDTC $\phi=1,00$
EST= 162+0,00
SUBSTITUIR



Terreno:	262,321	262,933	263,492	264,042	264,591	265,022	265,299	265,576	265,854	266,142	266,423	266,660	266,897	267,047	267,203	267,146	266,999	266,975	266,560	266,017	265,508	265,138	264,770	264,488	264,206	263,924	263,642	263,359	263,072	263,139	263,346	263,622	263,899	264,272	264,698	265,125	265,344
Projeto:	262,859	263,237	263,615	263,993	264,371	264,749	265,127	265,505	265,883	266,261	266,639	266,962	267,174	267,275	267,266	267,146	266,915	266,629	266,343	266,057	265,771	265,485	265,199	264,913	264,627	264,341	264,105	263,970	263,935	264,001	264,117	264,233	264,349	264,465	264,581	264,697	

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRAFICA

HORIZONTAL

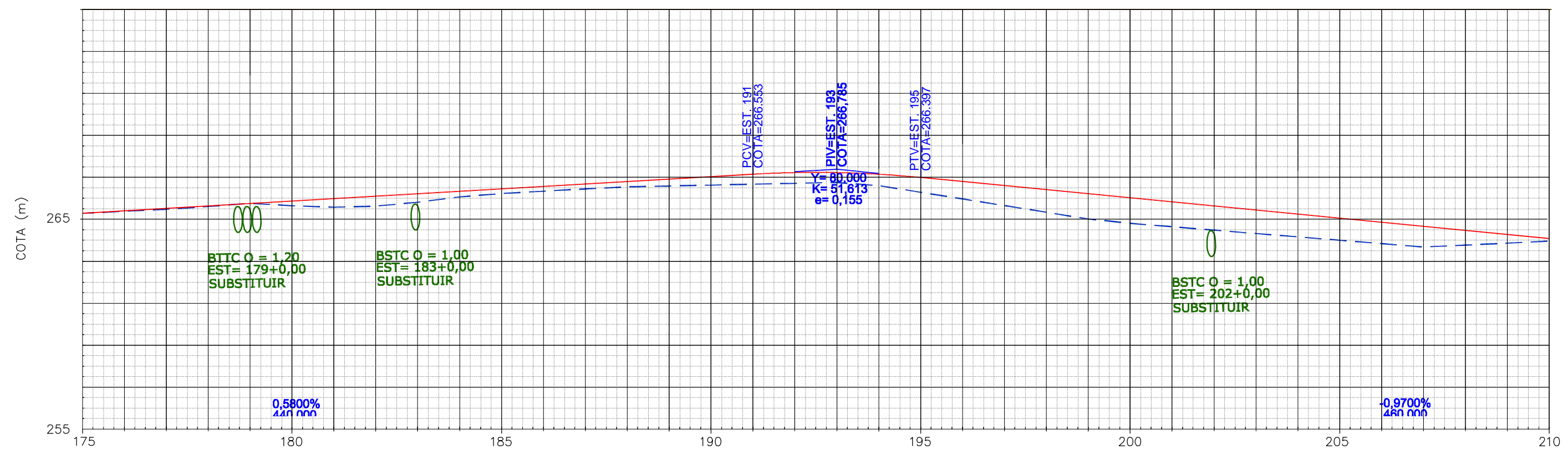
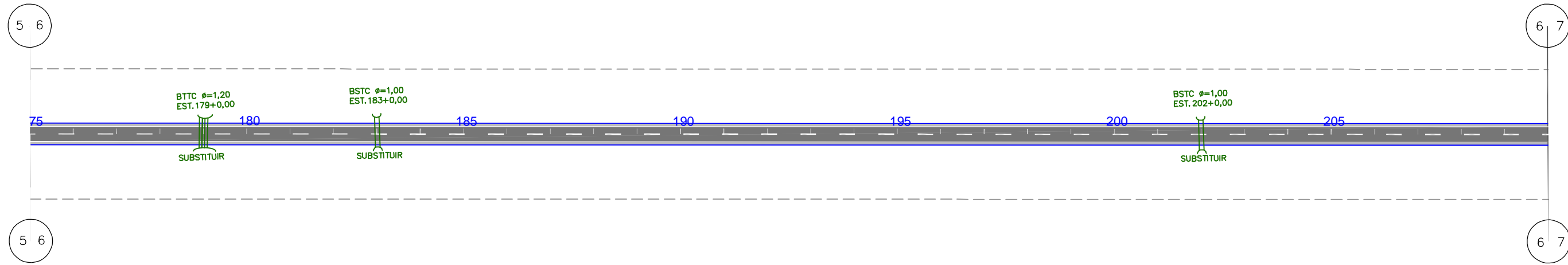
VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



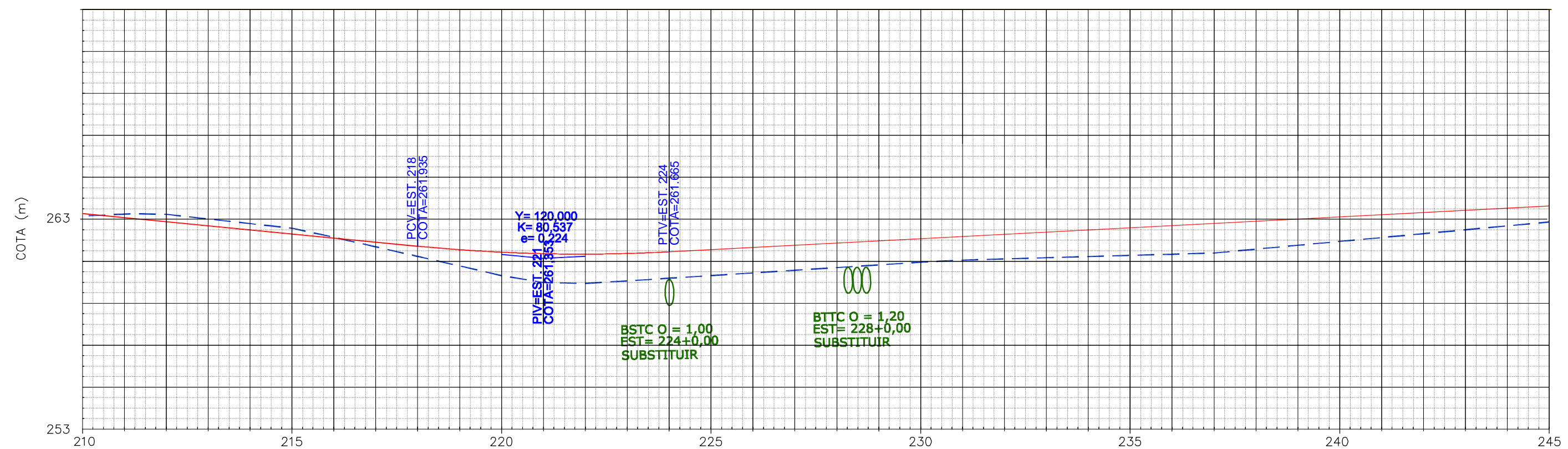
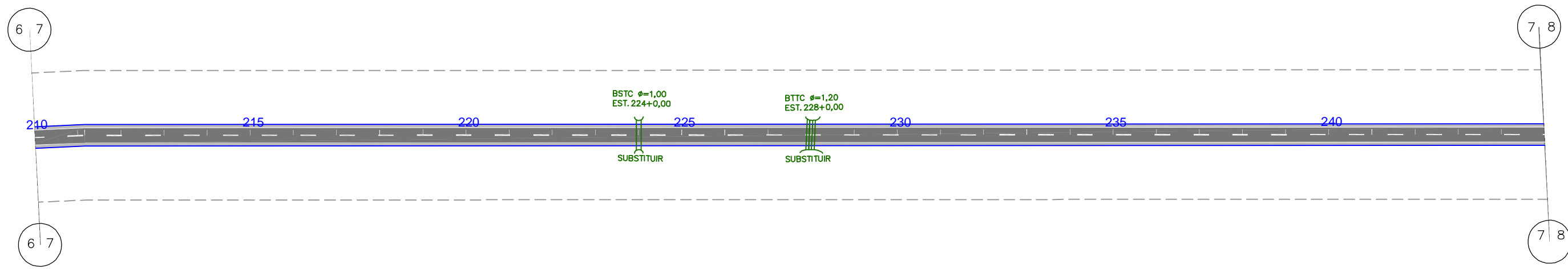
Terreno:	265,344	265,563	265,485	265,292	265,168	265,052	264,983	265,033	265,219	265,473	265,632	265,744	266,033	266,075	266,118	266,160	266,009	265,692	265,374	265,057	265,740	265,423	264,211	264,050	263,889	263,729	263,568	263,407	263,247	263,086	263,175	263,271	263,367			
Projeto:	264,697	264,813	264,929	265,045	265,161	265,277	265,393	265,509	265,625	265,741	265,857	265,973	266,089	266,205	266,321	266,437	266,553	266,630	266,630	266,552	266,397	266,203	266,009	265,815	265,621	265,427	265,233	265,039	264,845	264,651	264,457	264,263	264,069	263,875	263,681	263,487

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 		

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
		DES.:

Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
 N° do Protocolo: 2023/1133185 Anexo/Sequencial: 14

EM 03/10/2023 14:49 (Hora Local) - Aut. Assinatura: FA3FD3B9A071702.E2A3E1DB90F9028.F627B1C54DF95D1E.C0E95719BC846BD4
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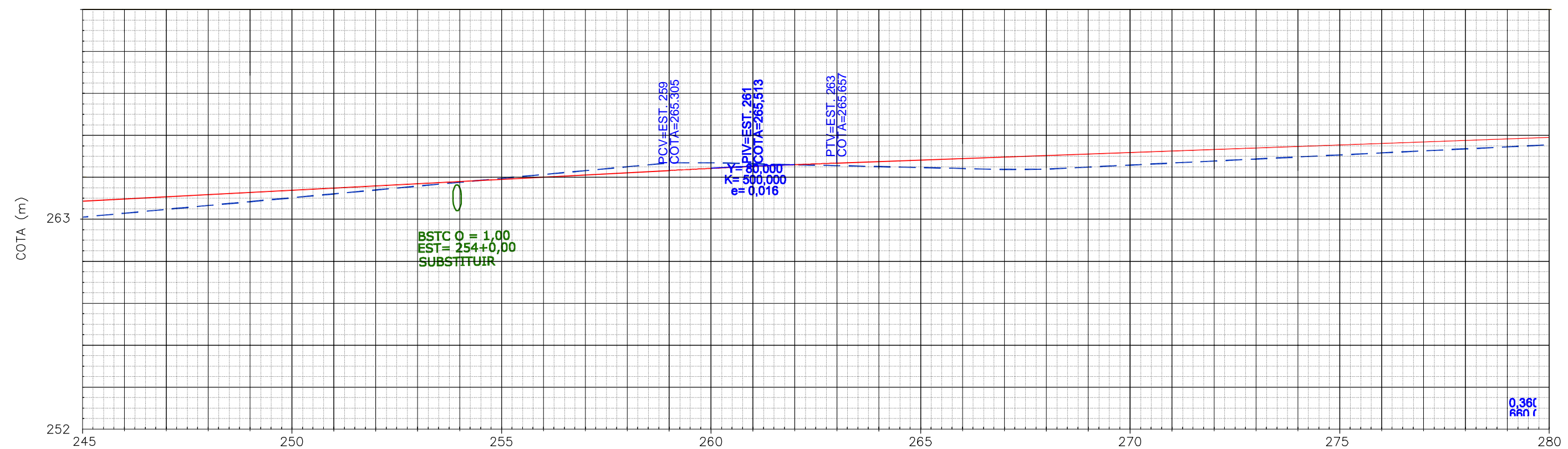
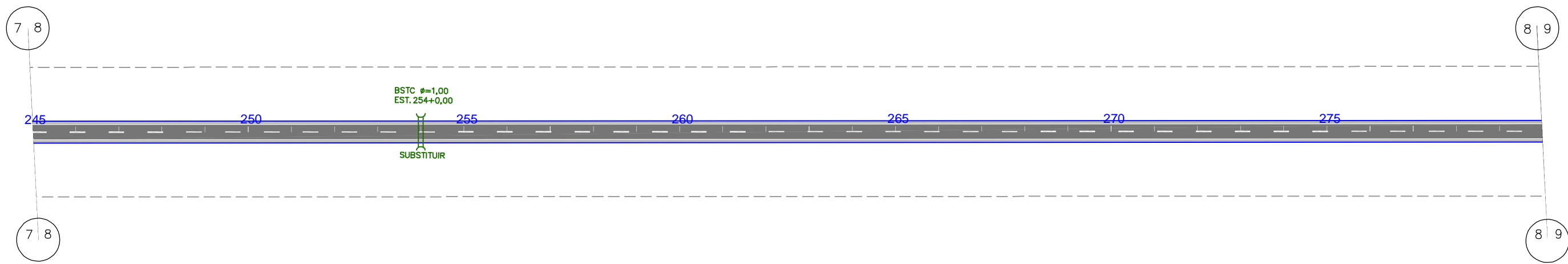
Terreno:	263,367	263,463	263,449	263,230	263,008	262,787	262,360	261,904	261,448	260,991	260,535	260,201	260,158	260,283	260,409	260,536	260,663	260,789	260,916	261,043	261,169	261,270	261,326	261,383	261,439	261,495	261,551	261,608	261,792	261,976	262,161	262,345	262,530	262,715	262,899	263,084
Projeto:	263,487	263,293	263,099	262,905	262,711	262,517	262,323	262,129	261,935	261,766	261,646	261,576	261,556	261,586	261,665	261,769	261,873	261,977	262,081	262,185	262,289	262,393	262,497	262,601	262,705	262,809	262,913	263,017	263,121	263,225	263,329	263,433	263,537	263,641	263,745	263,849

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMÍNIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN	
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km
PROJETO GEOMÉTRICO	
DES.:	

Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
Nº do Protocolo: 2023/1133185 Anexo/Sequencial: 14

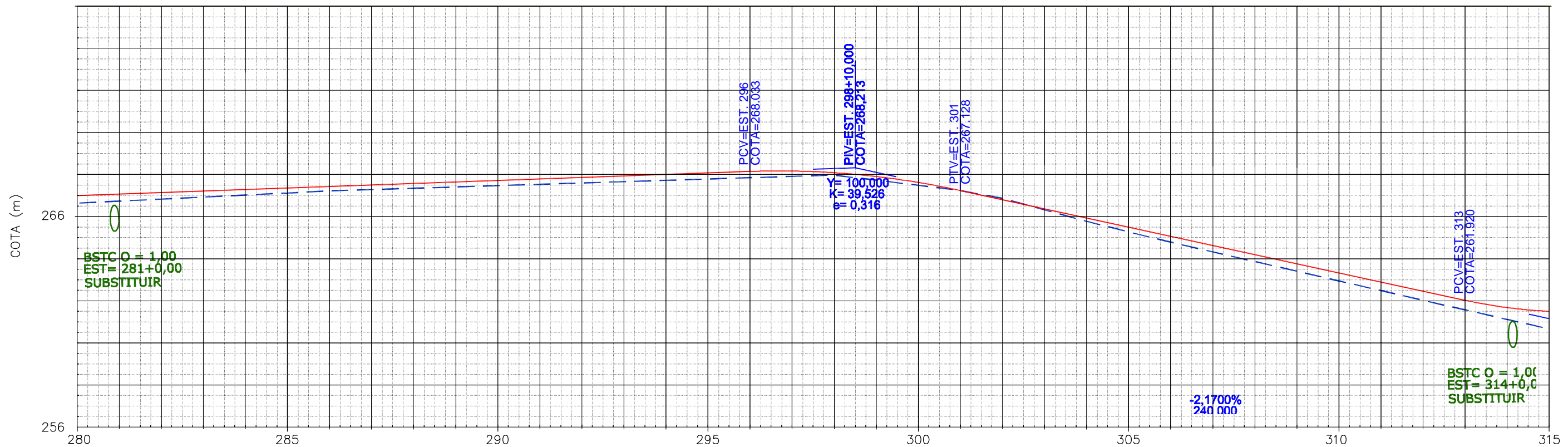
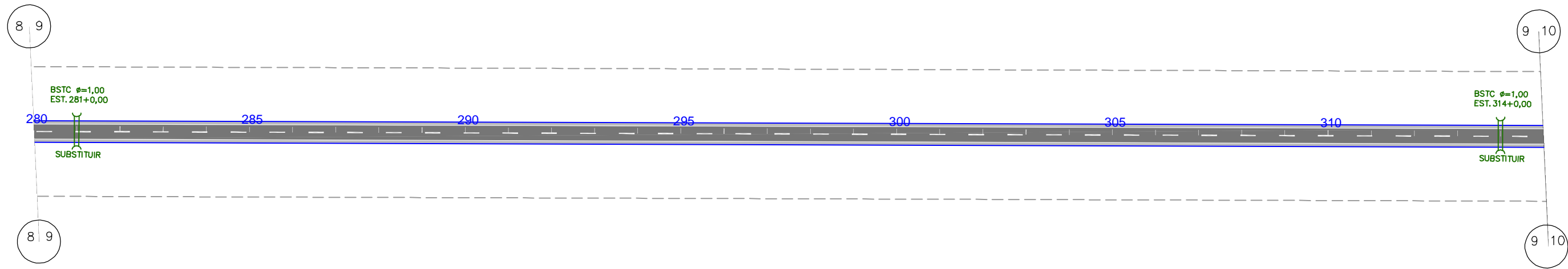
EM 03/10/2023 14:49 (Hora Local) - Aut. Assinatura: FA3FD3B9A071702.E2A3E1DB90F9028.F627B1C54DF95D1E.C0E95719BC846BD4



Terreno:	263,849	263,849	263,268	263,268	263,453	263,453	263,638	263,638	263,822	263,822	264,007	264,007	264,191	264,191	264,376	264,376	264,560	264,560	264,745	264,745	264,930	264,930	265,114	265,114	265,299	265,299	265,483	265,483	265,668	265,668	265,853	265,853	266,037	266,037	266,222	266,222	266,406	266,406	266,591	266,591	266,775	266,775	266,960	266,960	271,144	271,144																		
Projeto:	263,849	263,849	263,953	263,953	264,057	264,057	264,161	264,161	264,265	264,265	264,369	264,369	264,473	264,473	264,577	264,577	264,681	264,681	264,785	264,785	264,889	264,889	264,993	264,993	265,097	265,097	265,201	265,201	265,305	265,305	265,409	265,409	265,513	265,513	265,617	265,617	265,721	265,721	265,825	265,825	265,929	265,929	266,033	266,033	266,137	266,137	266,241	266,241	266,345	266,345	266,449	266,449	266,553	266,553	266,657	266,657	266,761	266,761	266,865	266,865	266,969	266,969	271,144	271,144

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 	F. DOMÍNIO DO EXIST. 	

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:



Terreno:	266,528	266,624	266,721	266,817	266,914	267,010	267,109	267,172	267,235	267,298	267,361	267,424	267,487	267,550	267,613	267,676	267,739	268,802	267,857	267,923	267,978	267,103	266,760	266,216	265,672	265,161	264,677	264,217	263,757	263,297	262,837	262,378	261,919	261,464	261,010	260,556
Projeto:	266,881	266,953	267,025	267,097	267,169	267,241	267,313	267,385	267,457	267,529	267,601	267,673	267,745	267,817	267,889	267,961	268,033	268,054	267,975	267,794	267,511	267,128	266,694	266,260	265,826	265,392	264,958	264,524	264,090	263,656	263,222	262,788	262,354	261,920	261,571	261,393

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMÍNIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

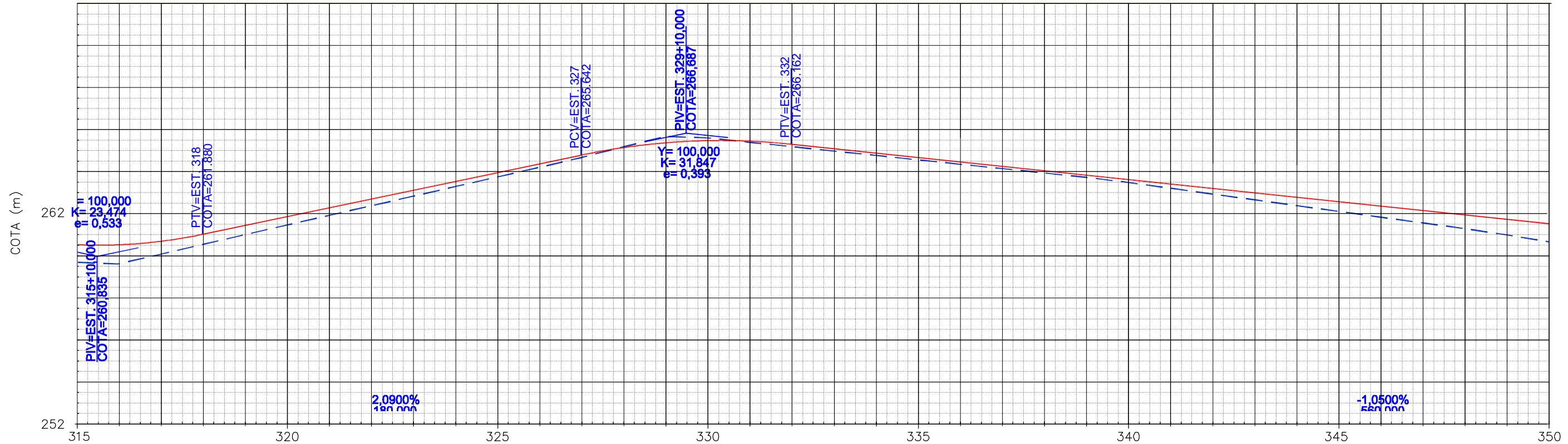
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315 320 325 330 335 340 345



Terreno:	260,556	260,472	260,934	261,397	261,860	262,319	262,775	263,231	263,687	264,143	264,600	265,056	265,526	266,030	266,534	266,466	266,309	266,258	266,049	265,952	265,841	265,742	265,633	265,532	265,425	265,322	265,217	265,008	264,902	264,800	264,692	264,592	264,482	264,349	264,272	264,075	263,800	263,526	263,251	262,977	262,703	262,428	262,154	261,860	261,535
Projeto:	261,393	261,385	261,547	261,880	262,298	262,716	263,134	263,552	263,970	264,388	264,806	265,224	265,642	265,997	266,227	266,331	266,309	266,162	265,952	265,742	265,532	265,322	265,112	264,902	264,692	264,482	264,272	264,062	263,852	263,642	263,432	263,222	263,012	262,802	262,592	262,382									

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

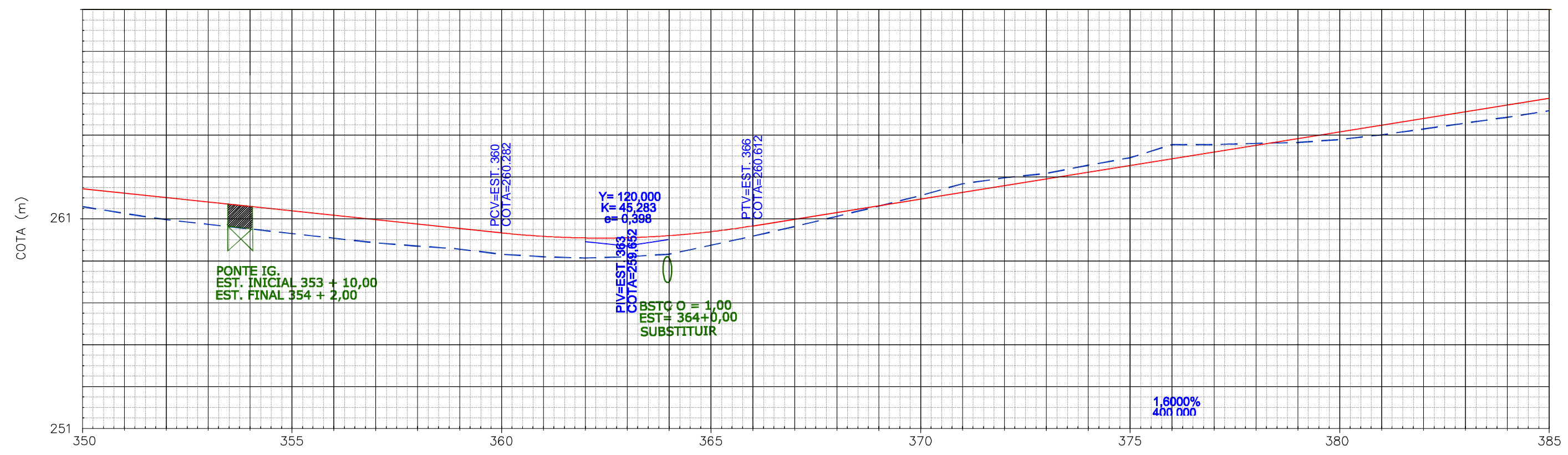
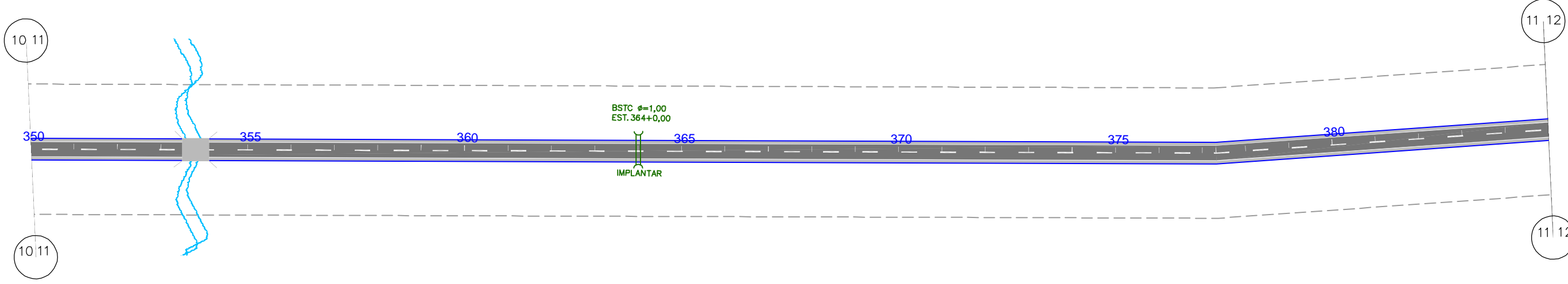
VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



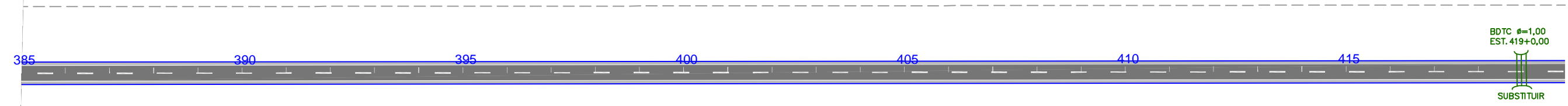
Terreno:	261,535	261,211	260,913	260,692	260,471	260,249	260,028	259,806	259,651	259,508	259,262	259,138	259,081	259,142	259,262	259,691	260,120	260,579	261,063	261,555	262,058	262,618	262,903	263,115	263,502	263,864	264,489	264,486	264,512	264,544	264,591	264,732	264,953	265,233	265,514	265,794	266,107	
Projeto:	262,382	262,172	261,962	261,752	261,542	261,332	261,122	260,912	260,702	260,492	260,282	260,116	260,039	260,049	260,149	260,336	260,612	260,932	261,252	261,572	261,892	262,212	262,532	262,852	263,172	263,492	263,812	264,132	264,234	264,512	264,452	264,772	265,092	265,412	265,732	266,052	266,372	266,692

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO		TERRENO NATURAL		HORIZONTAL
F. DOMINIO DO EXIST.		PONTE PROJ.		GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:

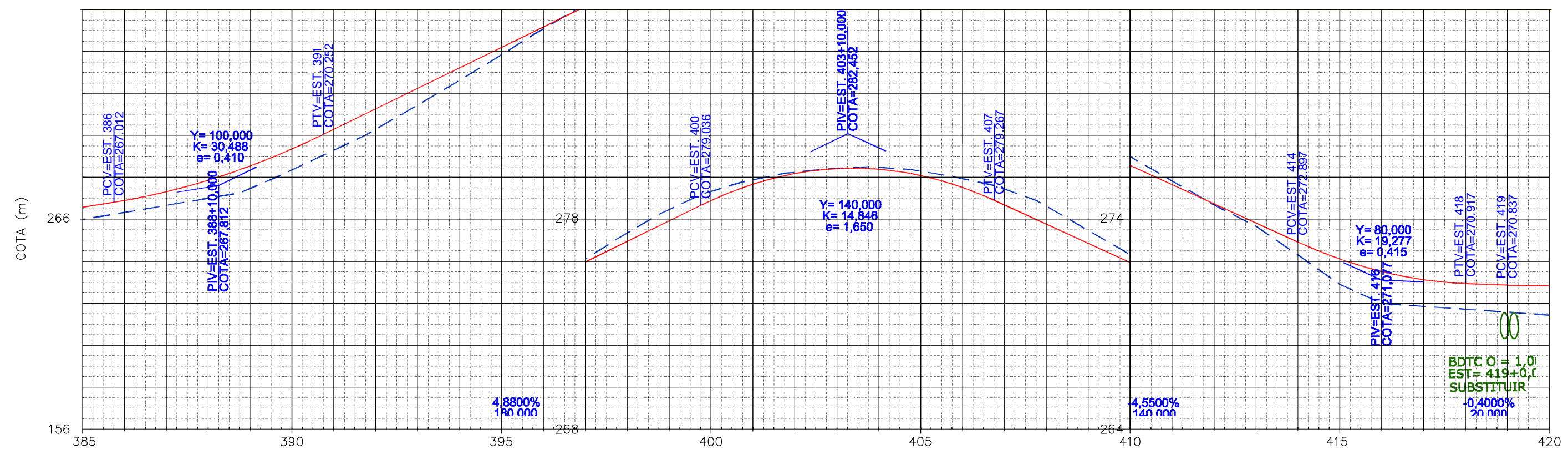
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12 13



Terreno:	266,107	266,443	266,781	267,119	267,456	268,315	269,265	270,206	271,362	272,534	273,736	274,992	276,173	277,436	278,610	279,554	279,877	280,152	280,449	280,561	280,752	280,763	280,876	280,739	280,042	280,404	279,980	278,357	279,267	277,447	278,114	276,537	276,962	275,627	275,809	274,717	274,664	273,807	273,648	272,897	272,280	272,091	270,880	271,492	269,972	271,101	269,833	270,917	269,695	270,837	269,556	270,815	269,417
Projeto:	266,692	267,012	267,398	267,914	268,562	269,342	270,252	271,228	272,204	273,180	274,156	275,132	276,108	277,084	278,060	279,036	279,877	280,449	280,752	280,765	280,548	280,042	279,267	278,357	277,447	276,537	275,627	274,717	273,807	272,897	272,091	271,492	271,101	270,917	270,837	270,815																	

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

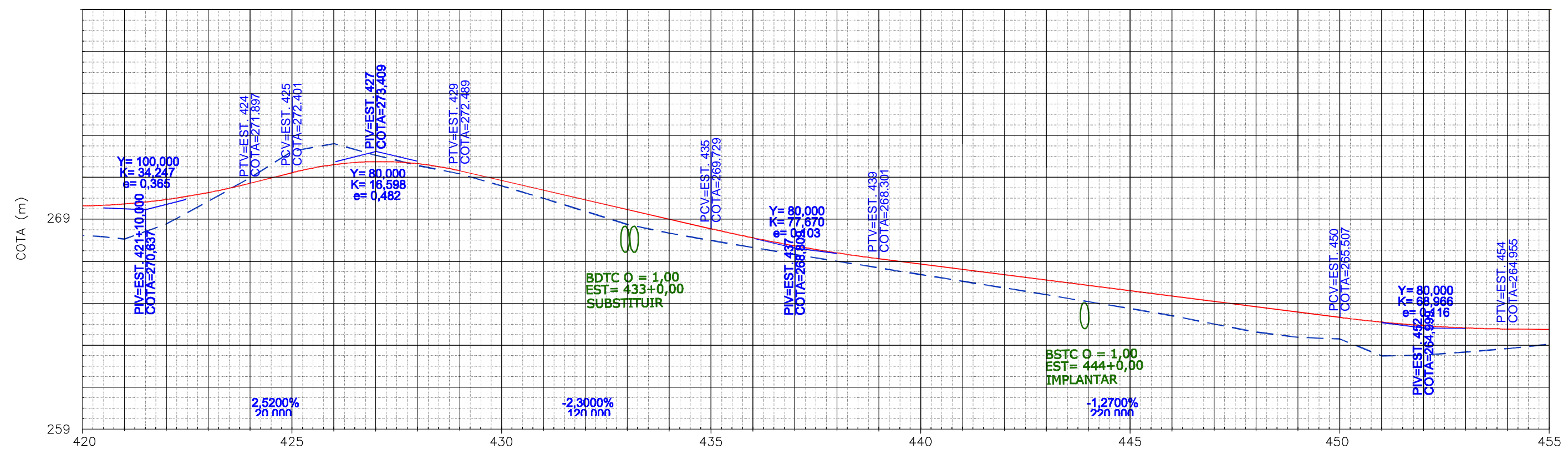
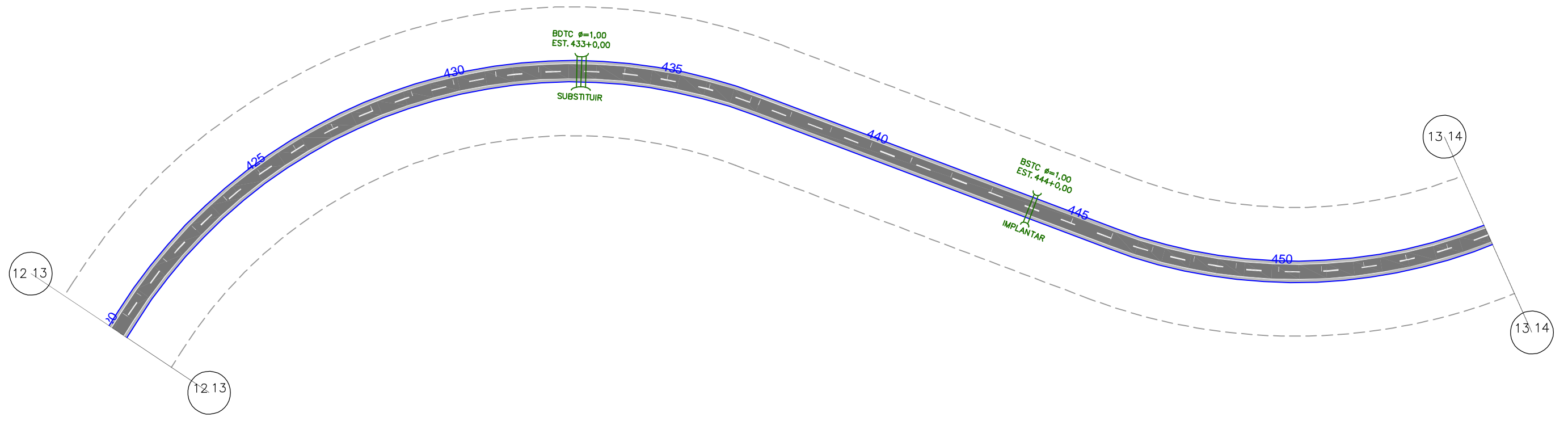
RODOVIA: VICINAL VS - 53

TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

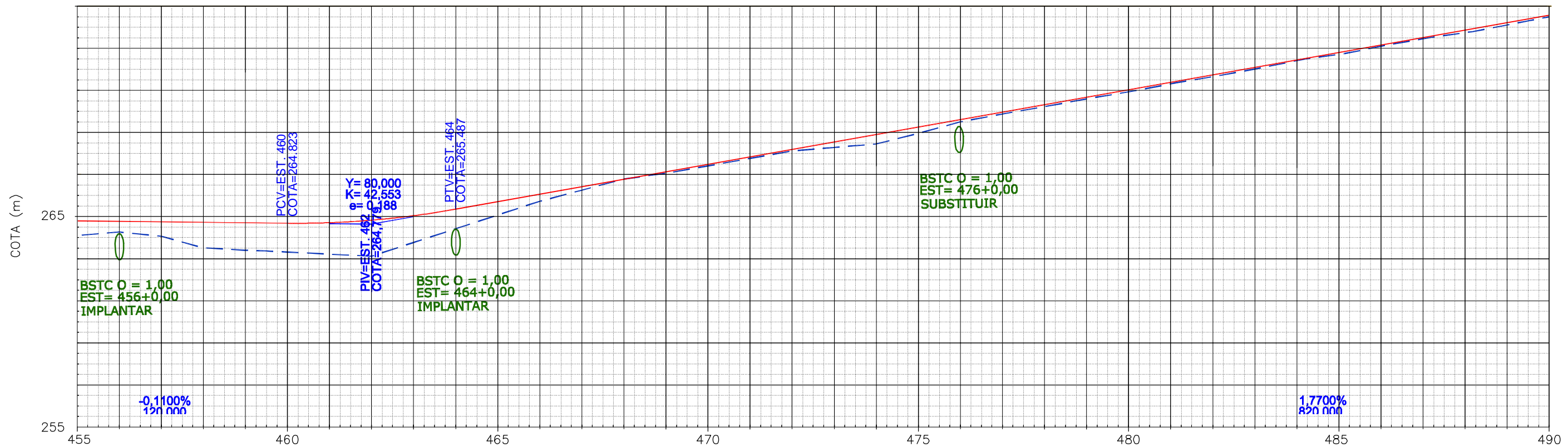
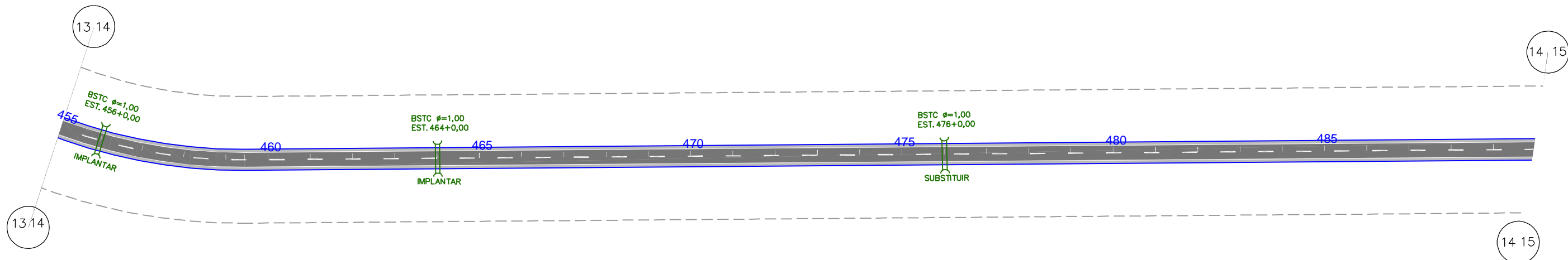
DES.:



Terreno:	269,417	269,358	269,241	269,962	271,041	272,166	273,422	273,782	273,229	272,739	272,346	271,771	271,174	270,554	269,937	269,520	269,172	268,834	268,505	268,138	268,581	268,301	268,047	267,793	267,539	267,285	267,031	266,777	266,523	266,269	266,015	265,761	265,507	265,252	265,115	265,006	264,955	264,933
Projeto:	270,815	270,842	270,911	271,123	271,451	271,897	272,401	272,784	272,927	272,828	272,489	272,029	271,569	271,109	270,649	270,189	269,729	269,295	268,912	268,438	268,581	268,301	268,047	267,793	267,539	267,285	267,031	266,777	266,523	266,269	266,015	265,761	265,507	265,252	265,115	265,006	264,955	264,933

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA EM PERFIL BUEIRO 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 	

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:



Terreno:	264,236	263,673	263,714	263,858	264,024	264,236	264,405	264,204	263,653	263,540	263,513	264,823	263,455	264,848	263,351	264,967	263,259	265,180	265,487	265,841	265,214	266,195	266,392	266,903	266,920	267,257	267,523	267,928	267,965	268,092	268,319	268,256	268,673	268,420	269,027	268,584	269,381	269,085	269,735	269,633	270,213	270,089	270,443	270,917	270,797	271,623	271,334	271,977	271,505	271,859	273,407	273,844	272,213	272,567	274,269	272,921	274,612	
Projeto:	264,933	265,282	265,115	265,006	264,955	264,933	264,911	264,889	264,867	264,845	264,835	264,823	264,823	264,823	264,848	264,848	264,967	264,967	265,180	265,487	265,841	265,214	266,195	266,392	266,903	266,920	267,257	267,523	267,928	267,965	268,092	268,319	268,256	268,673	268,420	269,027	268,584	269,381	269,085	269,735	269,633	270,213	270,089	270,443	270,917	270,797	271,623	271,334	271,977	271,505	271,859	273,407	273,844	272,213	272,567	274,269	272,921	274,612

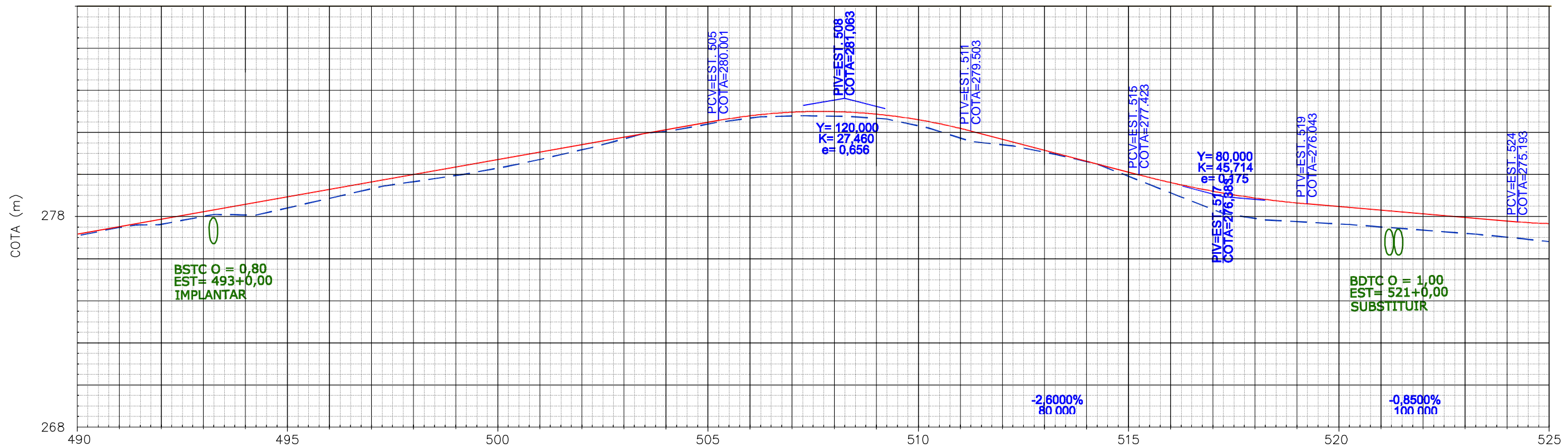
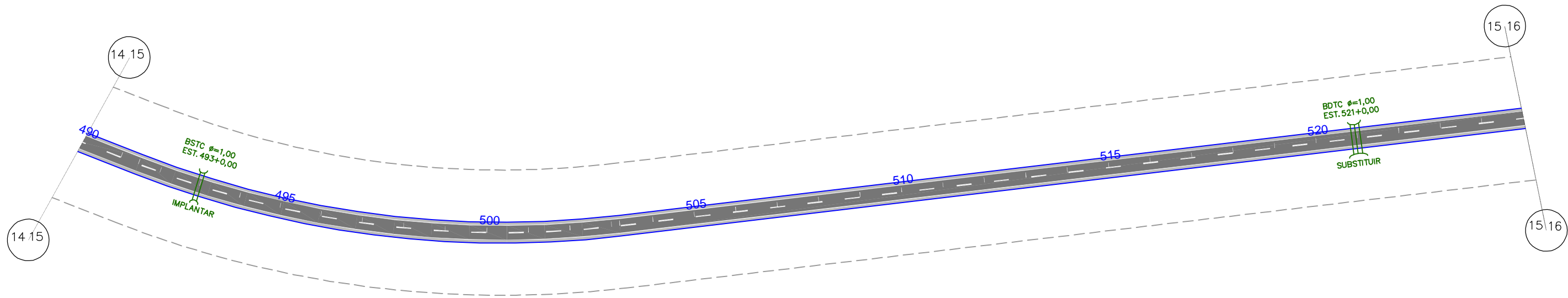
REVESTIMENTO CBUQ POSTE EM PLANTA EM PERFIL
 EIXO LOCADO DO PROJ. CASA ALVENARIA BUEIRO PONTE PROJ.
 F. DOMINIO DO EXIST. CURVA DE NIVEL TERRENO NATURAL GREIDE NORTE ESCALA GRÁFICA

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
 EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



Terreno:	277,026	277,902	278,152	276,623	275,542	275,508	275,965	276,421	276,874	277,171	277,464	277,829	278,263	278,726	279,259	279,573	279,965	278,961	279,867	280,227	280,204	280,073	279,646	279,009	278,797	278,724	277,939	277,155	276,373	275,592	275,283	275,174	275,064	274,911	274,759	274,606	274,413	274,196
Projeto:	274,691	275,045	275,201	275,399	275,753	276,107	276,461	276,815	277,169	277,523	277,877	278,231	278,585	278,939	279,293	279,647	280,001	280,355	280,709	281,063	280,407	280,252	279,950	279,503	279,056	280,463	277,943	277,423	276,947	276,558	276,257	276,043	275,873	275,703	275,533	275,363	275,193	275,096

REVESTIMENTO CBUQ POSTE EM PLANTA EM PERFIL BUEIRO CURVA DE NIVEL NORTE ESCALA GRÁFICA

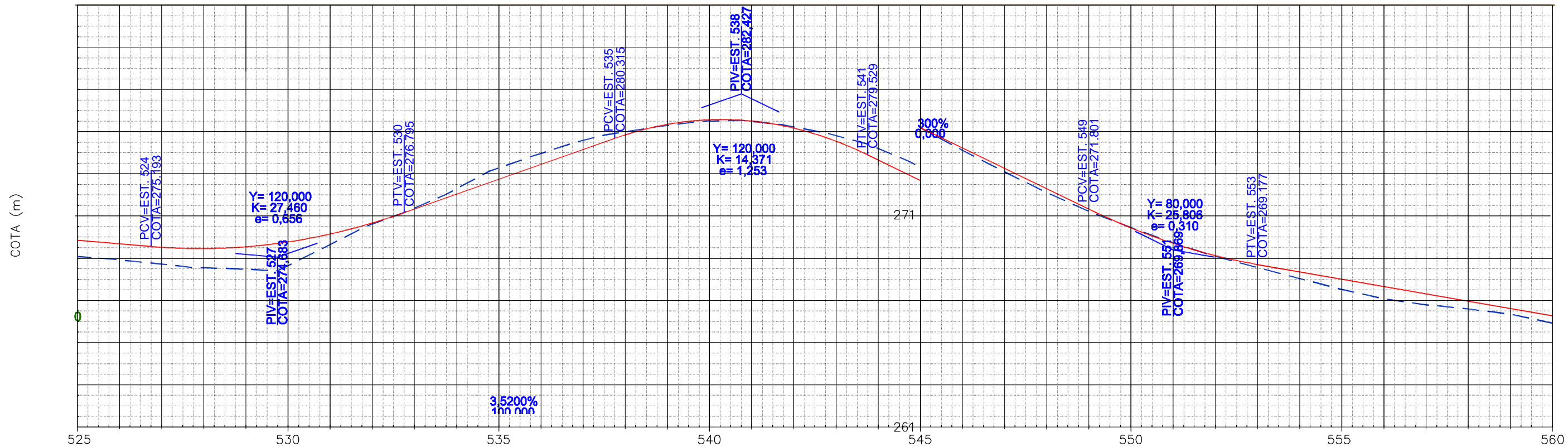
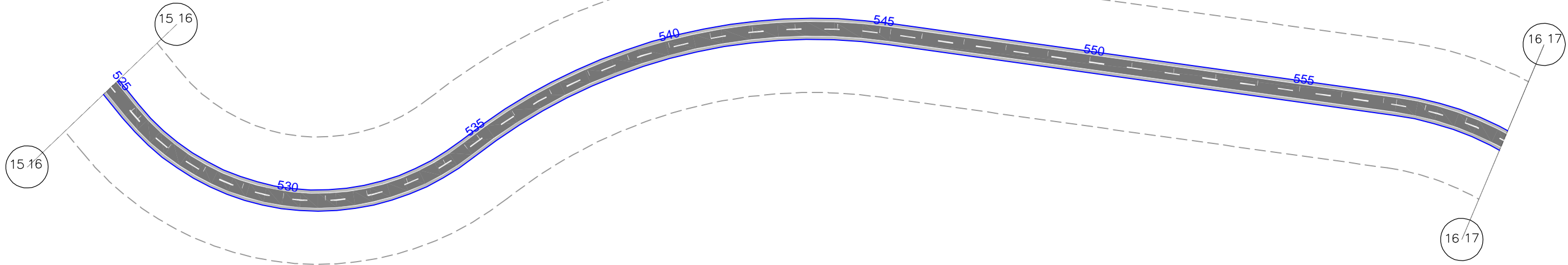
EIXO LOCADO DO PROJ. CASA ALVENARIA PONTE PROJ. TERRENO NATURAL GREIDE

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
 EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



Terreno:	274,196	274,154	274,158	274,041	275,032	276,659	276,803	277,662	278,742	279,439	280,087	280,425	280,548	280,864	281,116	281,172	280,954	280,569	280,041	279,211	278,107	276,816	275,646	275,377	274,591	273,562	272,583	271,694	270,929	270,203	269,556	269,035	268,514	267,993	267,553	267,263	267,214	267,072	267,101	266,828	266,404
Projeto:	275,096	275,119	275,144	275,338	275,678	276,164	276,795	277,499	278,203	278,907	279,611	280,055	280,315	280,880	281,166	281,174	280,904	280,356	279,529	278,583	277,597	276,631	275,665	275,420	274,699	273,733	272,767	271,801	270,912	270,179	269,600	269,177	268,831	268,485	268,139	267,793	267,686	267,214	267,447	267,101	266,755

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMINIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÁ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

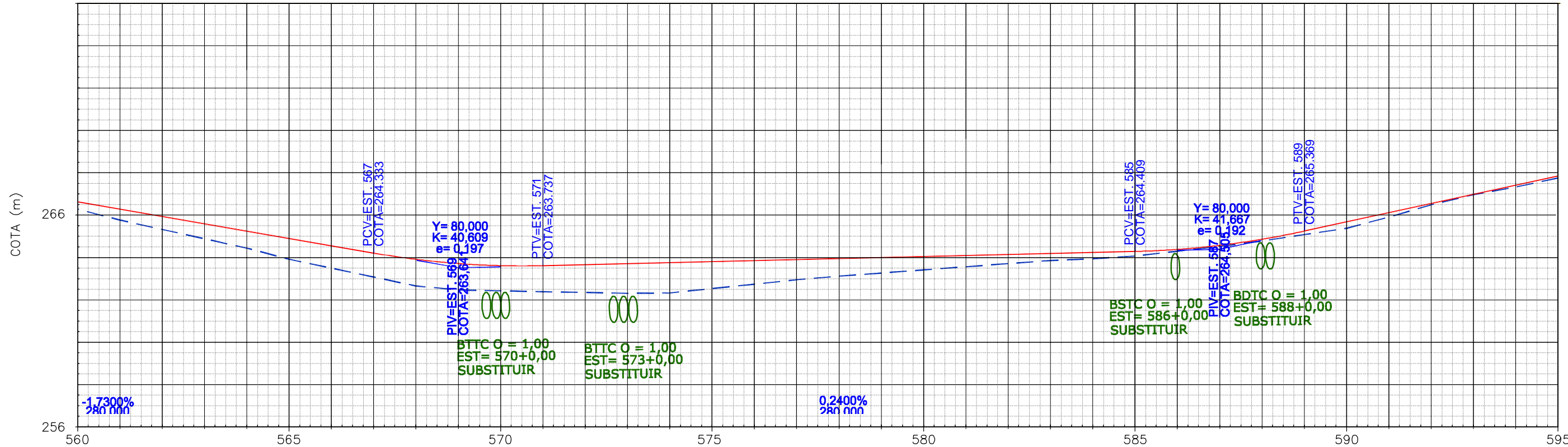
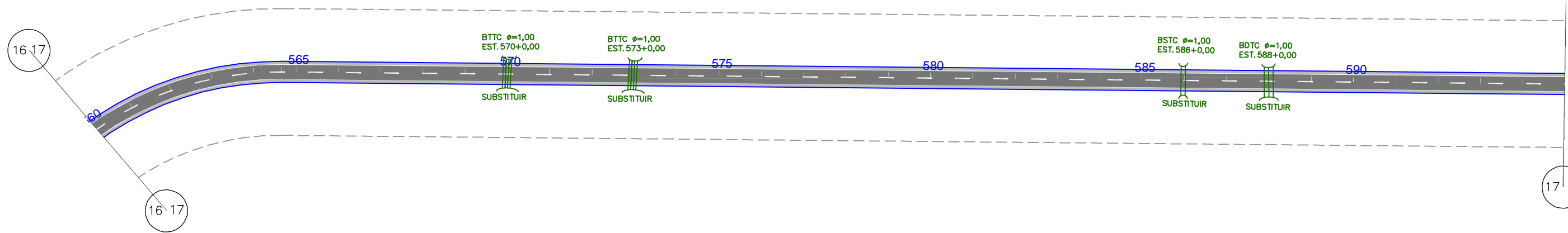
PROJETO GEOMÉTRICO

DES.:

17 18

17 18

16 17



Terreno:	266,404	266,890	265,446	265,009	264,565	264,217	264,042	263,620	263,200	262,790	262,590	262,551	262,511	262,471	262,432	262,450	262,658	262,865	263,072	263,240	263,389	263,537	263,685	263,833	264,066	264,193	264,420	264,646	264,900	265,203	265,506	266,027	266,614	267,092	267,452	267,873	
Projeto	266,755	266,409	266,063	265,717	265,371	265,142	265,025	264,679	264,333	264,036	263,838	263,738	263,737	263,785	263,833	263,881	263,929	263,977	264,025	264,073	264,121	264,169	264,217	264,265	264,313	264,361	264,409	264,505	264,697	264,985	265,369	265,801	266,233	266,665	267,097	267,529	267,961

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53

TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:

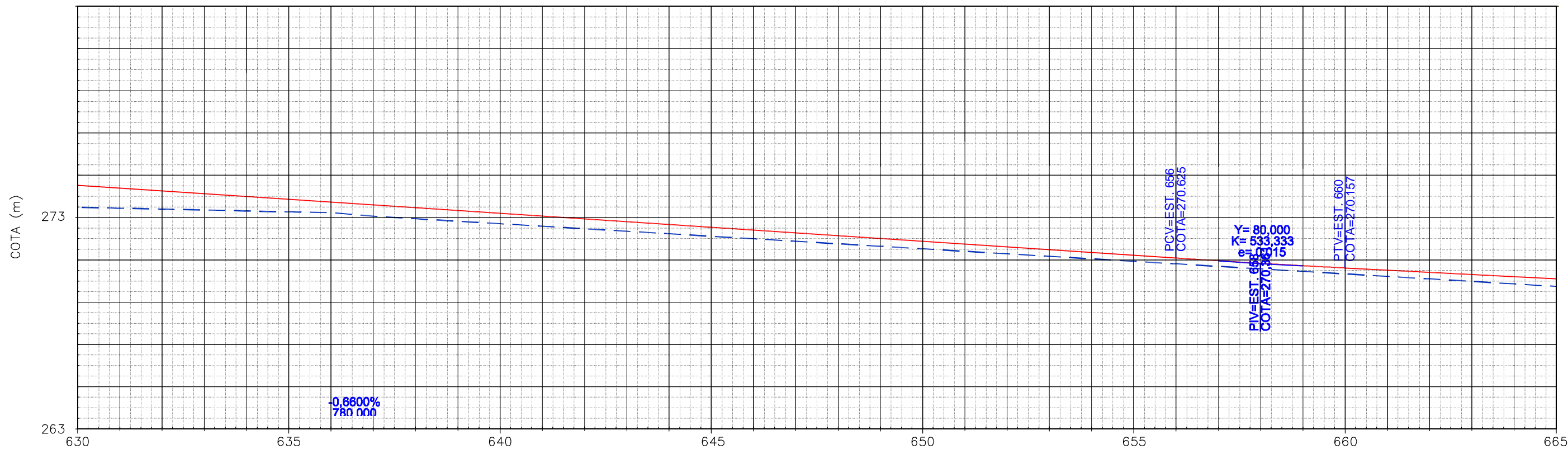
18,19

18,19

19,20

19,20

630 635 640 645 650 655 660



Terreno:	274,020	273,978	272,936	272,893	272,851	272,804	272,772	272,601	272,483	272,364	272,246	272,127	272,009	271,890	271,772	271,653	271,535	271,416	271,298	271,179	271,061	270,942	270,824	270,705	270,587	270,468	270,350	270,231	270,113	269,994	269,876	269,757	269,639	269,520	269,402	269,283	
Projeto	274,057	273,925	273,793	273,661	273,529	273,397	273,265	273,133	273,001	272,869	272,737	272,605	272,473	272,341	272,209	272,077	271,945	271,813	271,681	271,549	271,417	271,285	271,153	271,021	270,889	270,757	270,625	270,493	270,361	270,229	270,097	269,965	269,833	269,701	269,569	269,437	269,305

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EIXO LOCADO DO PROJ.

F. DOMINIO DO EXIST.

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

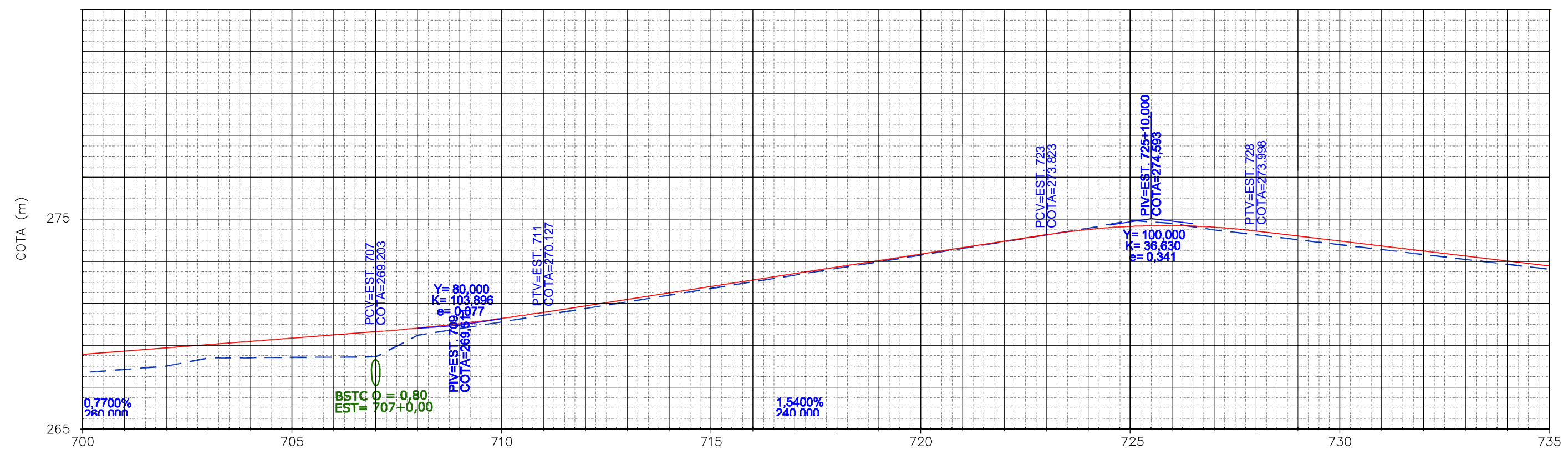
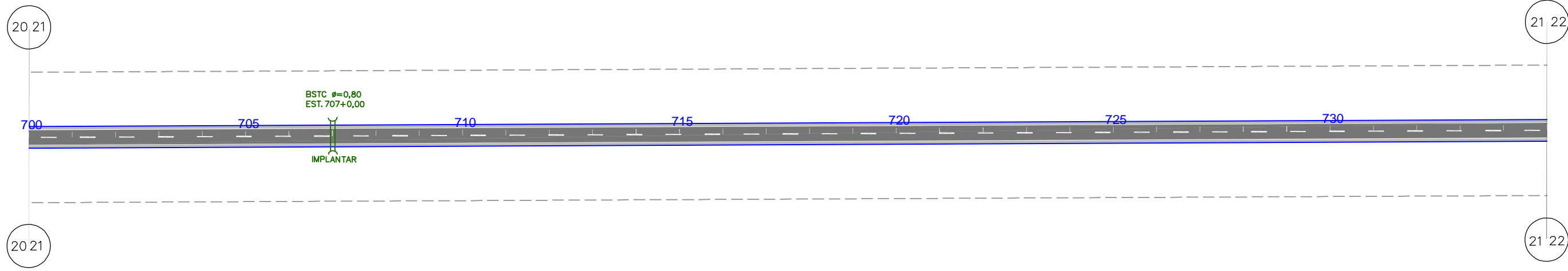
RODOVIA: VICINAL VS - 53

TRECHO: CANAÁ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



Terreno:	267,256	267,410	267,564	267,969	267,981	267,993	268,005	269,034	269,353	269,672	269,990	270,309	270,627	270,946	271,264	271,583	271,901	272,220	272,538	272,857	273,175	273,494	273,812	274,131	274,507	274,359	274,050	273,816	273,583	273,349	273,115	272,881	272,647	272,413	272,180																																																																																																												
Projeto	268,125	268,279	268,433	268,587	268,741	268,895	269,049	269,203	269,357	269,511	269,665	269,819	269,973	270,127	270,281	270,435	270,589	270,743	270,897	271,051	271,205	271,359	271,513	271,667	271,821	271,975	272,129	272,283	272,437	272,591	272,745	272,899	273,053	273,207	273,361	273,515	273,669	273,823	273,977	274,131	274,285	274,439	274,593	274,747	274,901	275,055	275,209	275,363	275,517	275,671	275,825	275,979	276,133	276,287	276,441	276,595	276,749	276,903	277,057	277,211	277,365	277,519	277,673	277,827	277,981	278,135	278,289	278,443	278,597	278,751	278,905	279,059	279,213	279,367	279,521	279,675	279,829	279,983	280,137	280,291	280,445	280,599	280,753	280,907	281,061	281,215	281,369	281,523	281,677	281,831	281,985	282,139	282,293	282,447	282,601	282,755	282,909	283,063	283,217	283,371	283,525	283,679	283,833	283,987	284,141	284,295	284,449	284,603	284,757	284,911	285,065	285,219	285,373	285,527	285,681	285,835	285,989	286,143	286,297	286,451	286,605	286,759	286,913	287,067	287,221	287,375	287,529	287,683	287,837	287,991	288,145	288,299	288,453	288,607	288,761	288,915	289,069	289,223	289,377	289,531	289,685	289,839	290,000

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMINIO DO EXIST.				GREIDE		VERTICAL

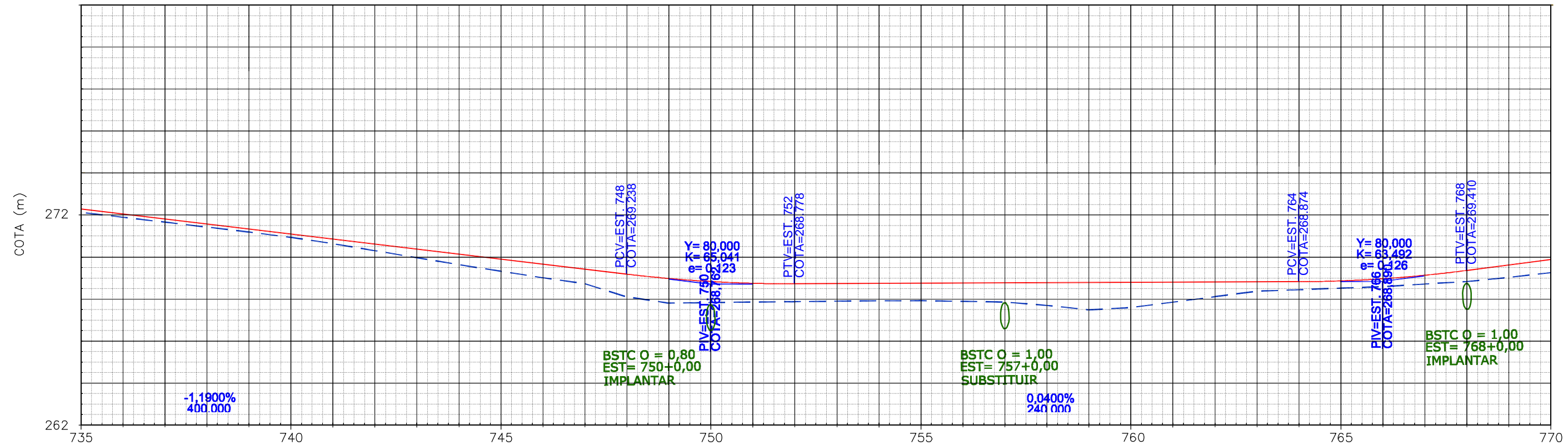
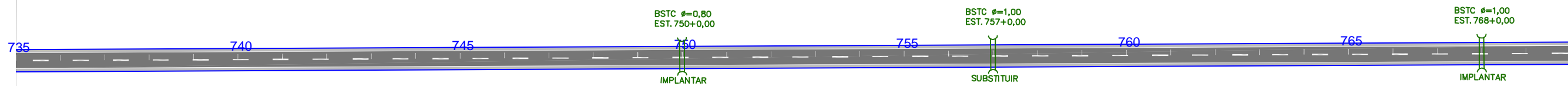
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:

21 22

21 22

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22 23



Terreno:	272,180	271,946	271,712	271,478	271,244	270,991	270,691	270,357	270,023	269,692	269,378	269,066	268,788	268,455	268,122	267,862	267,865	267,907	267,930	267,952	267,965	267,972	267,944	267,907	267,749	267,538	267,644	267,902	268,160	268,424	268,496	268,568	268,639	268,763	268,885	269,078	269,303
Projeto	272,332	272,094	271,856	271,618	271,380	271,142	270,904	270,666	270,428	270,190	269,952	269,714	269,476	269,238	269,031	268,885	268,801	268,778	268,786	268,794	268,802	268,810	268,818	268,826	268,834	268,842	268,850	268,858	268,866	268,874	268,882	268,890	268,898	268,906	268,914	268,922	268,930

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EIXO LOCADO DO PROJ.

F. DOMINIO DO EXIST.

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

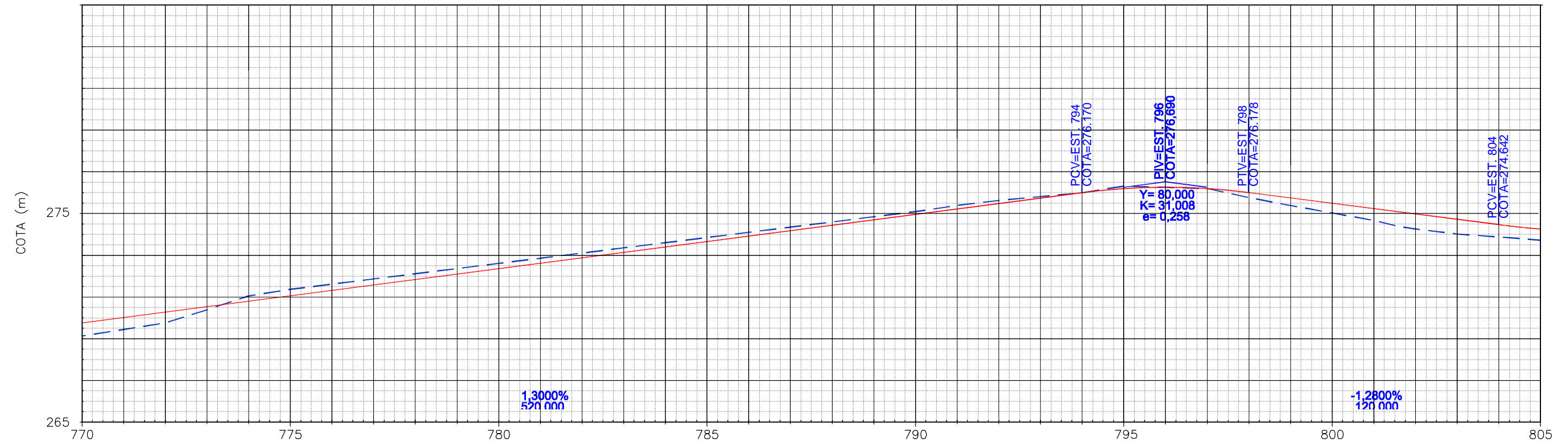
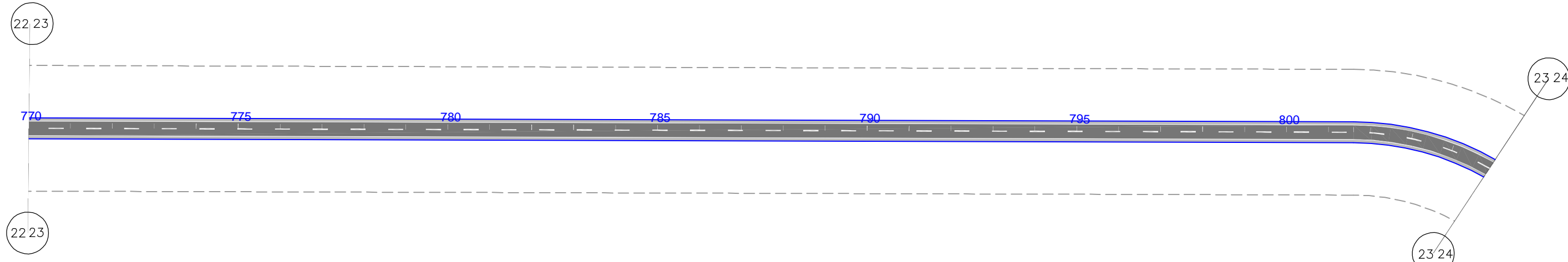
RODOVIA: VICINAL VS - 53

TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

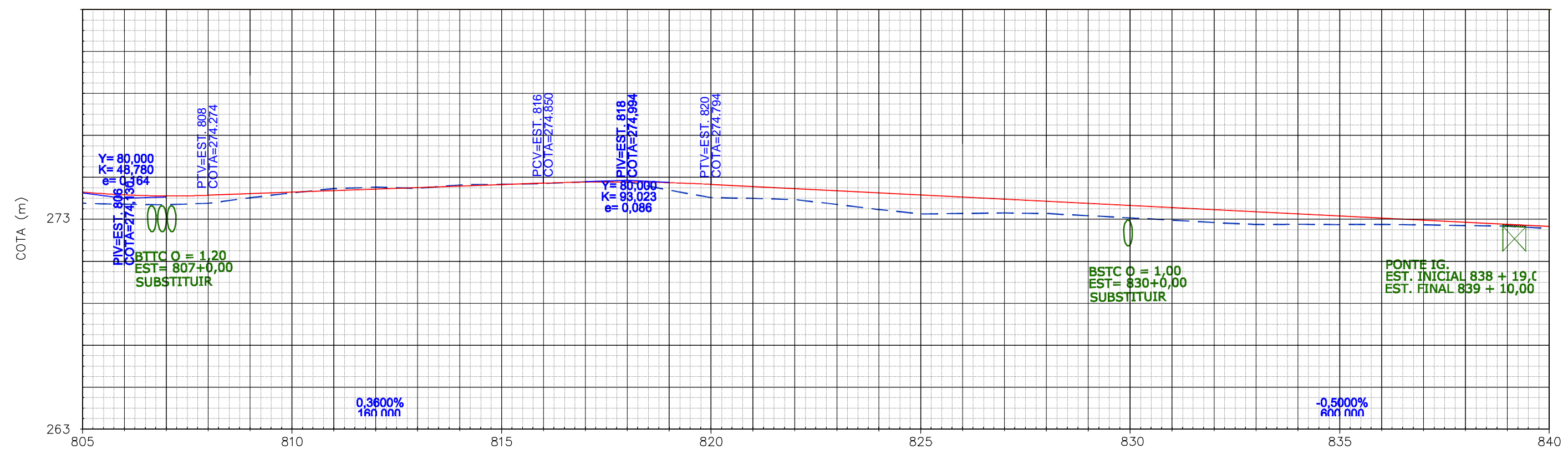
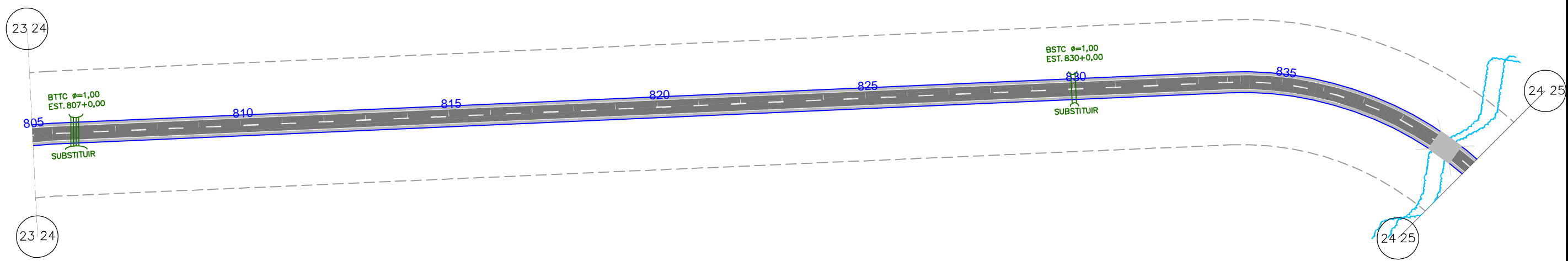
DES.:



Terreno:	269,303	269,617	269,932	270,555	271,223	271,541	271,789	272,037	272,285	272,534	272,782	273,030	273,278	273,527	273,775	274,023	274,271	274,520	274,768	275,016	275,264	275,512	275,760	276,008	276,256	276,504	276,752	277,000	277,248	277,496	277,744	277,992	280,240
Projeto	269,930	270,190	270,450	270,710	270,970	271,230	271,490	271,750	272,010	272,270	272,530	272,790	273,050	273,310	273,570	273,830	274,090	274,350	274,610	274,870	275,130	275,390	275,650	275,910	276,170	276,430	276,690	276,950	277,210	277,470	277,730	277,990	280,250

<p>REVESTIMENTO CBUQ</p> <p>POSTE</p> <p>CASA ALVENARIA</p> <p>EXO LOCADO DO PROJ.</p> <p>F. DOMINIO DO EXIST.</p>	<p>EM PLANTA</p> <p>BUEIRO</p> <p>PONTE PROJ.</p>	<p>CURVA DE NIVEL</p> <p>TERRENO NATURAL</p> <p>GREIDE</p>	<p>NORTE</p> <p>ESCALA GRÁFICA</p> <p>HORIZONTAL</p> <p>VERTICAL</p>	<p>GOVERNO DO ESTADO DO PARÁ</p> <p>SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN</p> <p>RODOVIA: VICINAL VS - 53</p> <p>TRECHO: CANAÁ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)</p> <p>EXTENSÃO: 45,0 Km</p> <p>PROJETO GEOMÉTRICO</p>	<p>DES.:</p>
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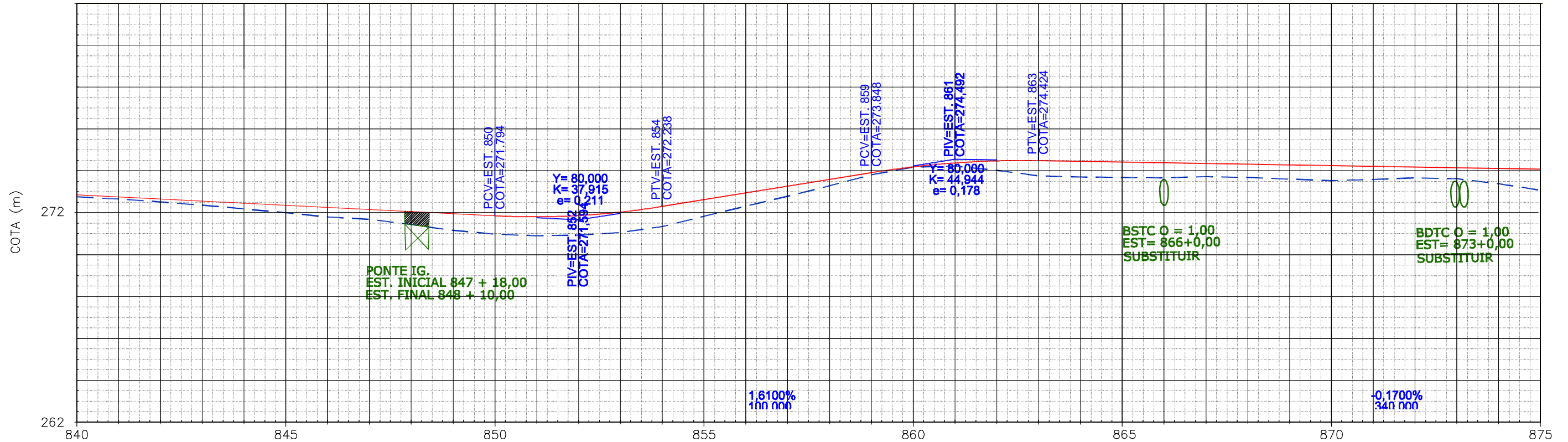
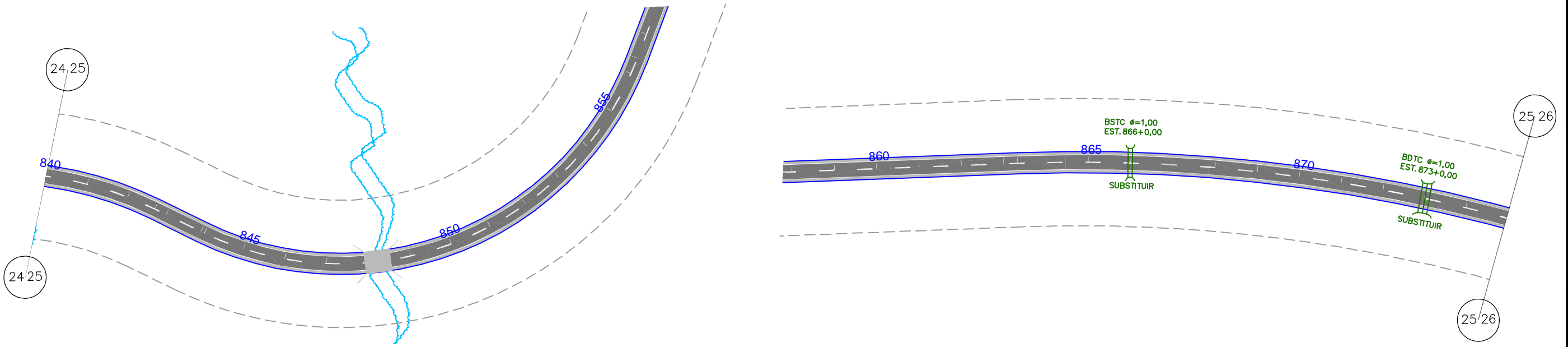
Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
 N° do Protocolo: 2023/1133185 Anexo/Sequencial: 14



Terreno:	274,427	273,897	274,352	273,863	274,294	273,849	274,243	273,821	274,274	273,893	274,346	274,155	274,389	274,418	274,399	274,490	274,590	274,562	274,836	274,634	275,094	274,706	275,225	274,778	275,280	274,850	275,254	274,900	275,165	274,908	274,911	274,872	274,518	274,794	274,159	274,694	274,128	274,594	274,069	274,494	273,837	274,394	273,599	274,294	273,383	274,194	273,407	274,094	273,431	273,994	273,406	273,894	273,301	273,794	273,195	273,694	273,090	273,594	272,976	273,494	272,881	273,425	272,888	273,394	272,892	273,294	272,878	273,194	272,866	273,094	272,864	272,994	272,829	272,894	272,801	272,794	272,699
Projeto	274,427	273,897	274,352	273,863	274,294	273,849	274,243	273,821	274,274	273,893	274,346	274,155	274,389	274,418	274,399	274,490	274,590	274,562	274,836	274,634	275,094	274,706	275,225	274,778	275,280	274,850	275,254	274,900	275,165	274,908	274,911	274,872	274,518	274,794	274,159	274,694	274,128	274,594	274,069	274,494	273,837	274,394	273,599	274,294	273,383	274,194	273,407	274,094	273,431	273,994	273,406	273,894	273,301	273,794	273,195	273,694	273,090	273,594	272,976	273,494	272,881	273,425	272,888	273,394	272,892	273,294	272,878	273,194	272,866	273,094	272,864	272,994	272,829	272,894	272,801	272,794	272,699

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 		TERRENO NATURAL 		
F. DOMÍNIO DO EXIST. 				GREIDE 		

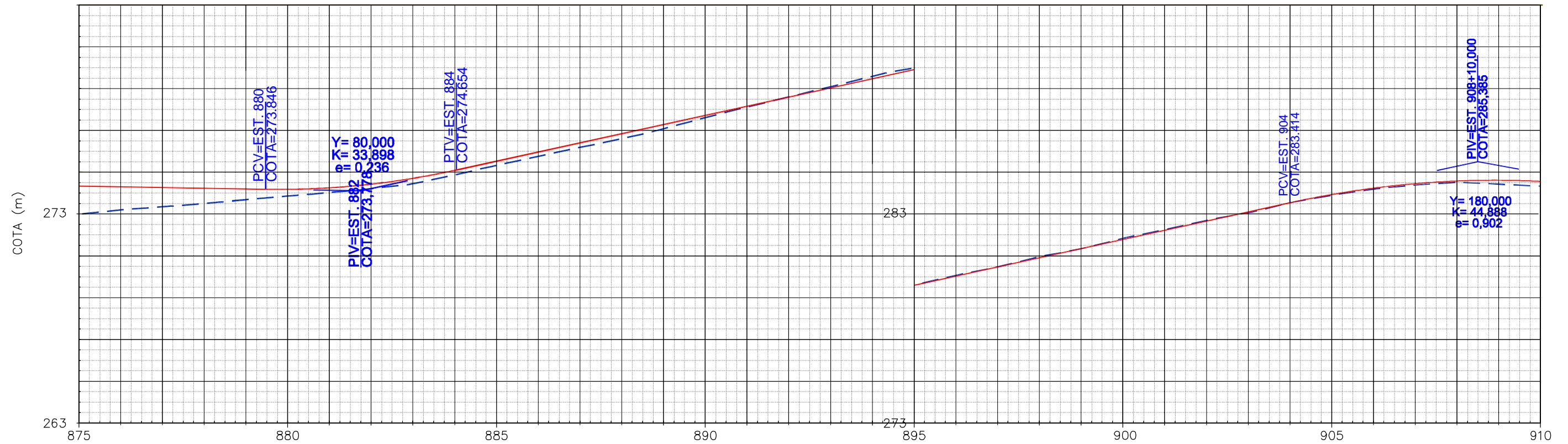
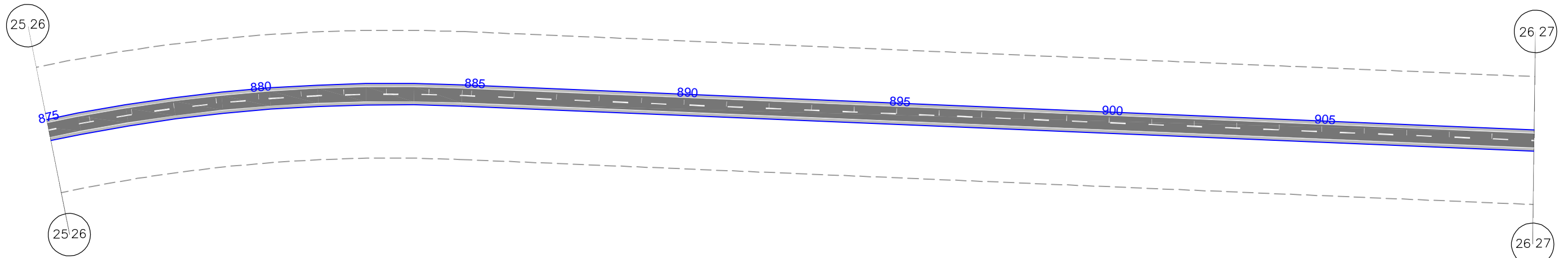
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:



Terreno:	272,699	272,594	272,457	272,343	272,306	272,120	271,941	271,737	271,626	271,379	271,097	270,917	270,841	270,871	270,997	271,276	271,765	272,249	272,437	272,723	273,223	273,747	274,122	274,168	273,963	273,702	273,674	274,390	273,646	274,356	273,625	273,600	273,663	273,622	273,546	273,472	273,526	273,605	273,563	273,322	273,015
Projeto	272,794	272,694	272,594	272,524	272,494	272,394	272,294	272,194	272,094	271,994	271,894	271,794	271,747	271,805	271,969	272,238	272,560	272,882	273,009	273,204	273,526	273,848	274,125	274,314	274,413	274,424	274,413	274,390	274,356	274,322	274,288	274,254	274,220	274,186	274,152	274,118	274,084	274,050	274,016		

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL BUEIRO 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 		

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:



Terreno:	273,015	272,789	272,989	273,135	273,305	273,476	273,650	273,825	274,042	274,460	274,818	274,917	275,530	275,769	276,195	276,721	277,249	277,723	278,217	278,712	279,190	279,652	280,114	280,576	281,083	281,606	282,129	282,651	283,174	283,697	284,158	284,345	284,533	284,492	284,397	284,302	284,207
Projeto	274,016	273,982	273,948	273,914	273,880	273,846	273,811	274,014	274,275	274,654	274,995	275,032	275,530	275,968	276,406	276,844	277,282	277,720	278,158	278,596	279,034	279,472	279,910	280,348	280,786	281,224	281,662	282,100	282,538	282,976	283,414	283,807	284,112	284,327	284,453	284,490	284,438

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMÍNIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
		DES.:

26,27

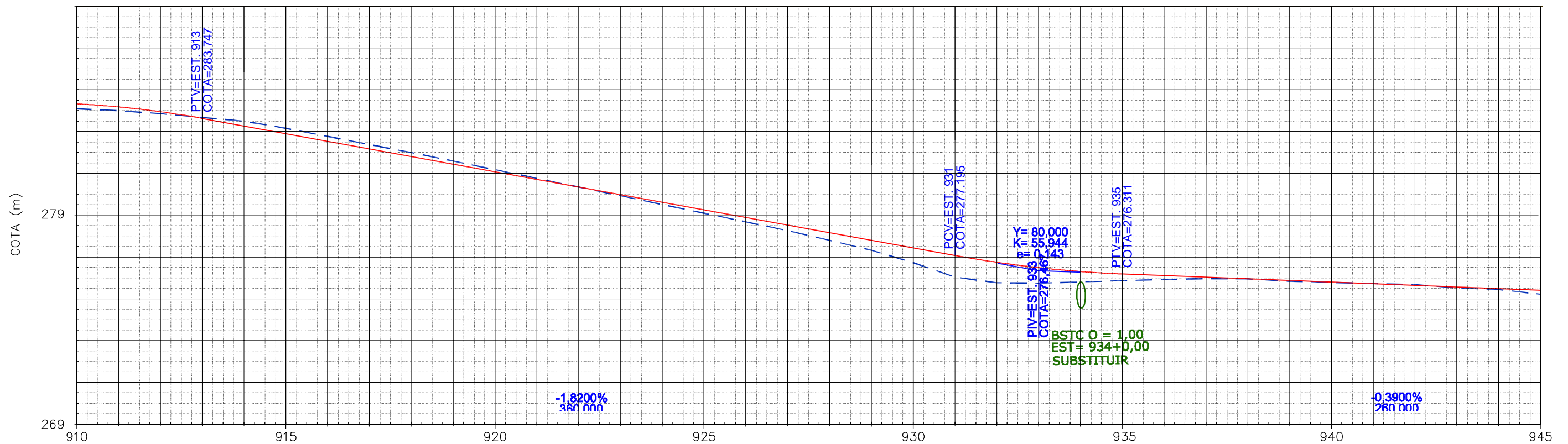
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910 915 920 925 930 935 940

BSTC $\phi=1,00$
EST. 934+0,00
SUBSTITUIR



Terreno:	284,207	284,112	283,973	283,794	283,614	283,272	282,865	282,499	282,112	281,711	281,295	280,879	280,463	280,047	279,631	279,215	278,798	278,382	277,915	277,441	276,847	276,161	275,868	275,671	275,929	275,988	276,046	276,088	276,231	276,389	276,243	276,096	275,950	275,789	275,565	275,341
Projeto	284,438	284,297	284,066	283,747	283,383	283,019	282,655	282,291	281,927	281,563	281,199	280,835	280,471	280,107	279,743	279,379	279,015	278,651	278,287	277,923	277,559	277,195	276,867	276,610	276,425	276,311	276,233	276,155	276,077	275,999	275,921	275,843	275,765	275,687	275,609	275,531

REVESTIMENTO CBUQ

POSTE

EM PLANTA EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

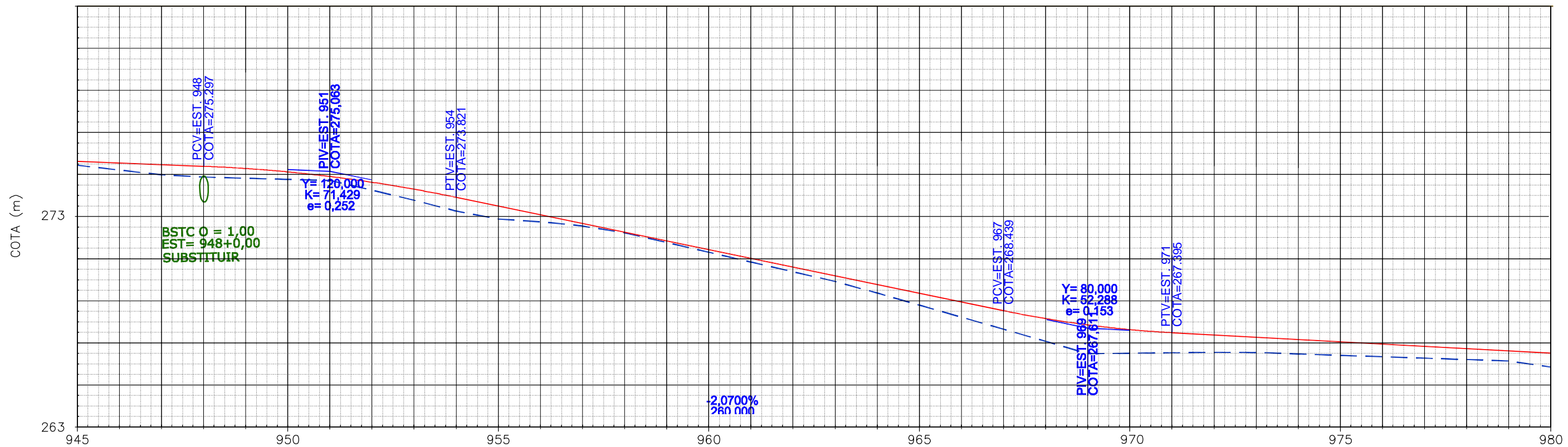
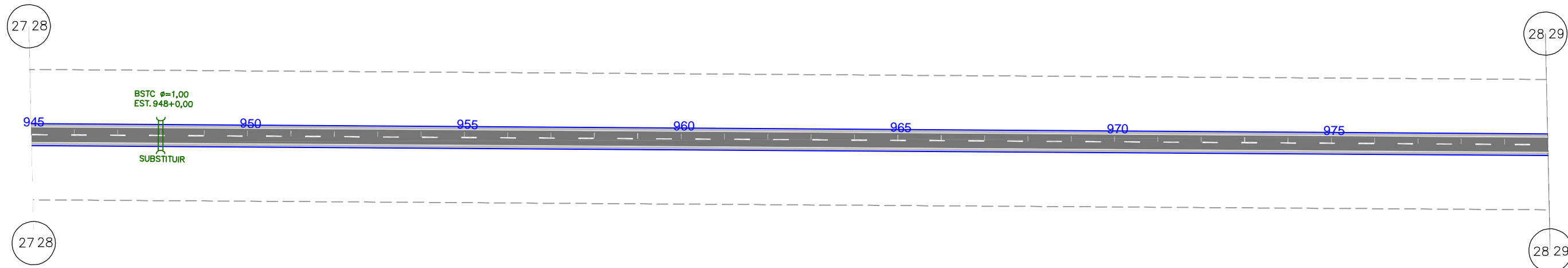
VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:



Terreno:	275,341	275,117	274,893	274,784	274,730	274,676	274,622	274,164	273,683	273,170	272,791	272,661	272,599	272,137	271,675	271,213	270,750	270,288	269,826	269,275	268,704	268,132	267,560	266,985	266,399	266,421	266,442	266,463	266,453	266,387	266,320	266,253	266,186	266,119	266,052	266,423	265,764
Projeto	275,531	275,453	275,375	275,297	275,191	275,029	274,811	274,537	274,207	273,821	273,407	272,993	272,579	272,165	271,751	271,337	270,923	270,509	270,095	269,681	269,267	268,853	268,439	268,063	267,664	267,541	267,395	267,287	267,179	267,071	266,963	266,855	266,747	266,639	266,531	266,423	265,764

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 		

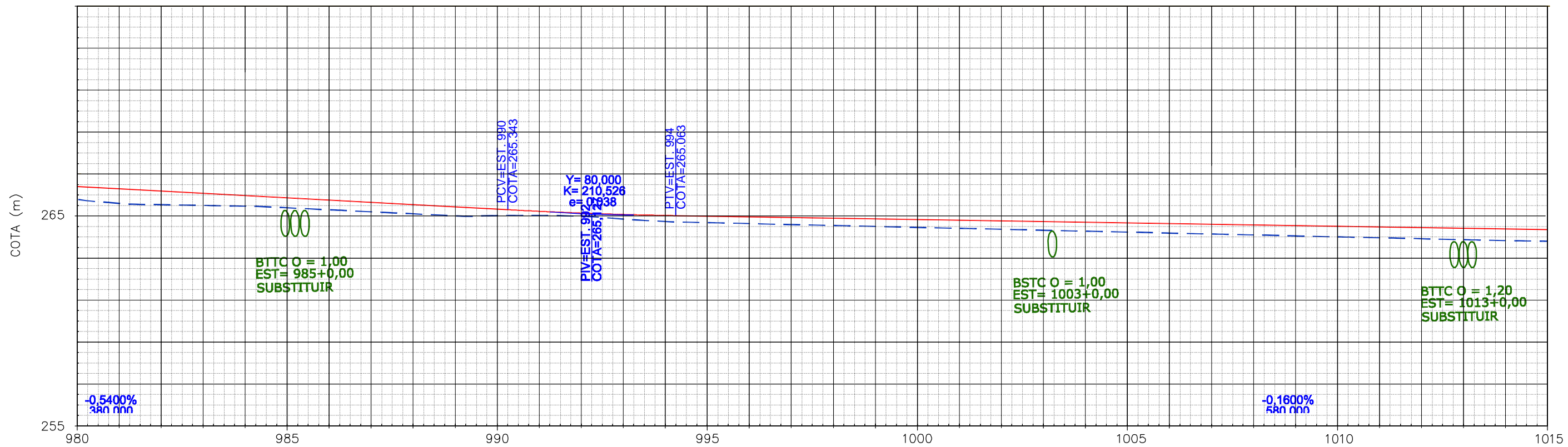
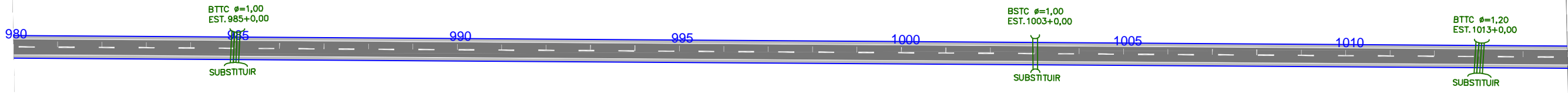
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
		DES.:

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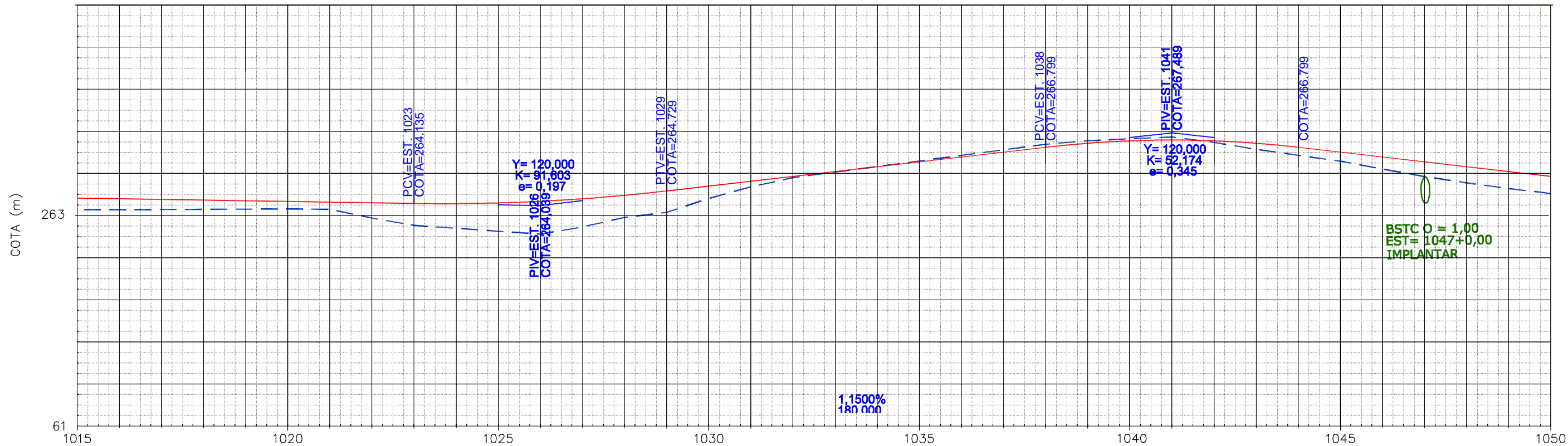
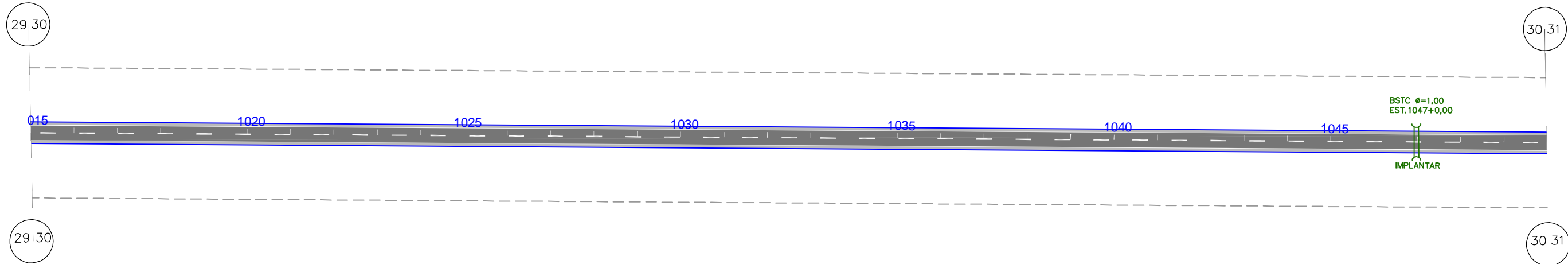
29 30



Terreno:	265,764	265,606	265,572	265,539	265,506	265,410	265,315	265,219	265,124	265,029	265,073	265,168	265,016	264,858	264,761	264,716	264,671	264,626	264,581	264,536	264,491	264,446	264,401	264,356	264,311	264,266	264,221	264,176	264,131	264,085	264,040	263,995	263,950	263,905	263,860	263,815	263,770	263,725	263,680	263,635	263,590	263,545	263,500	263,455	263,410	263,365	263,320	263,275	263,230	263,185	263,140	263,095	263,050	263,005	262,960	262,915	262,870	262,825	262,780	262,735	262,690	262,645	262,600	262,555	262,510	262,465	262,420	262,375	262,330	262,285	262,240	262,195	262,150	262,105	262,060	262,015	261,970	261,925	261,880	261,835	261,790	261,745	261,700	261,655	261,610	261,565	261,520	261,475	261,430	261,385	261,340	261,295	261,250	261,205	261,160	261,115	261,070	261,025	260,980	260,935	260,890	260,845	260,800	260,755	260,710	260,665	260,620	260,575	260,530	260,485	260,440	260,395	260,350	260,305	260,260	260,215	260,170	260,125	260,080	260,035	259,990	259,945	259,900	259,855	259,810	259,765	259,720	259,675	259,630	259,585	259,540	259,495	259,450	259,405	259,360	259,315	259,270	259,225	259,180	259,135	259,090	259,045	258,000
Projeto	266,423	266,315	266,207	266,099	265,991	265,883	265,775	265,667	265,559	265,451	265,343	265,244	265,165	265,104	265,063	265,031	264,999	264,967	264,935	264,903	264,871	264,839	264,807	264,775	264,743	264,711	264,679	264,647	264,615	264,583	264,551	264,519	264,487	264,455	264,423	264,391																																																																																																											

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL BUEIRO 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 		

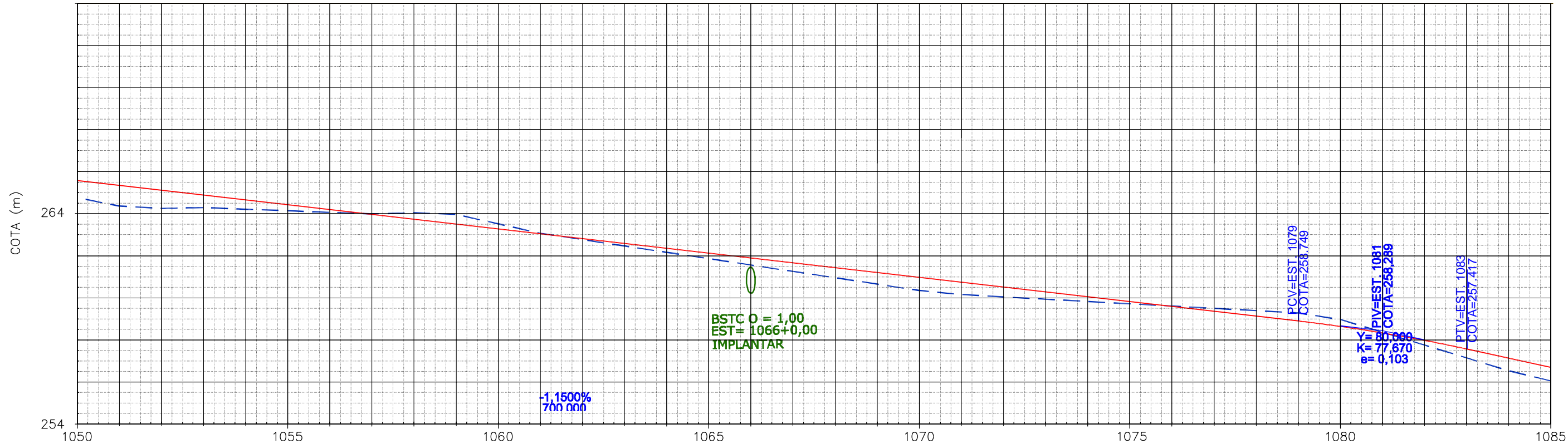
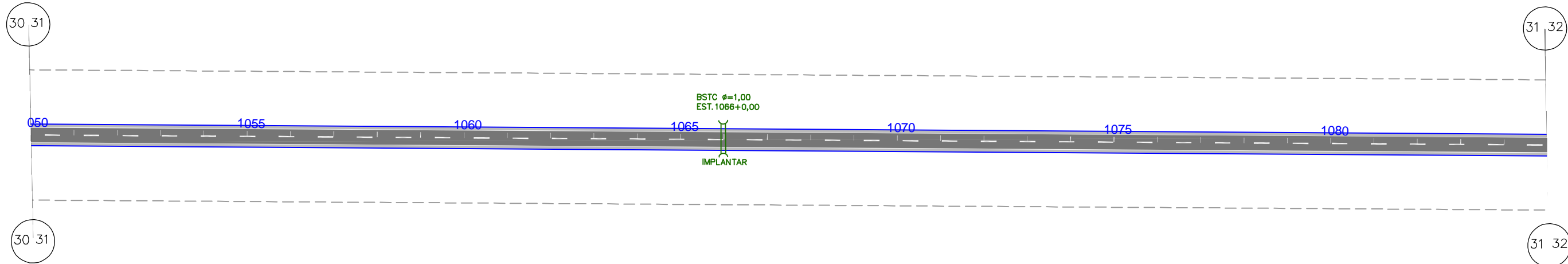
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
		DES.:



Terreno:	263,838	263,837	263,844	263,854	263,865	263,876	263,853	263,441	263,090	262,953	262,817	262,680	263,019	263,470	263,711	264,375	264,922	265,359	265,623	265,887	266,151	266,415	266,679	266,943	267,111	267,203	267,290	267,031	266,698	266,419	266,139	265,766	265,408	265,110	264,838	264,604
Projeto	264,391	264,359	264,327	264,295	264,263	264,231	264,199	264,167	264,135	264,125	264,158	264,235	264,356	264,521	264,729	264,959	265,189	265,419	265,649	265,879	266,109	266,339	266,569	266,799	266,991	267,106	267,144	267,106	266,991	266,799	266,569	266,339	266,109	265,879	265,649	265,419

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMINIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN			
RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km			
PROJETO GEOMÉTRICO		DES.:	



Terreno:	264,604	264,208	264,103	264,136	264,063	263,988	263,912	263,837	263,887	263,815	263,363	262,917	262,615	262,313	262,011	261,709	261,407	261,105	260,803	260,501	260,199	260,007	259,897	259,788	259,679	259,570	259,461	259,352	259,243	259,134	258,818	258,209	257,600	256,992	256,383	255,902
Projeto	265,419	265,189	264,959	264,729	264,499	264,269	264,039	263,809	263,579	263,349	263,119	262,889	262,659	262,429	262,199	261,969	261,739	261,509	261,279	261,049	260,819	260,589	260,359	260,129	259,899	259,669	259,439	259,209	258,979	258,749	258,493	258,186	257,827	257,417	256,981	256,545

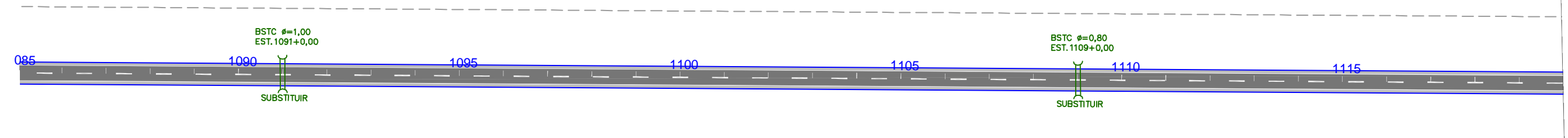
REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 		

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:

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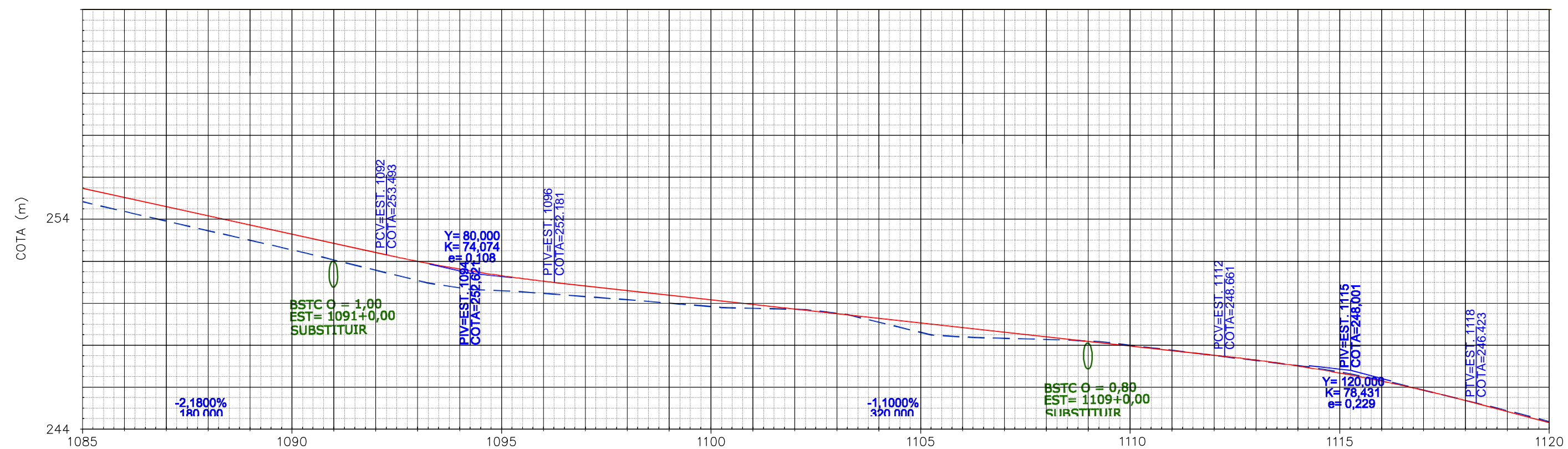
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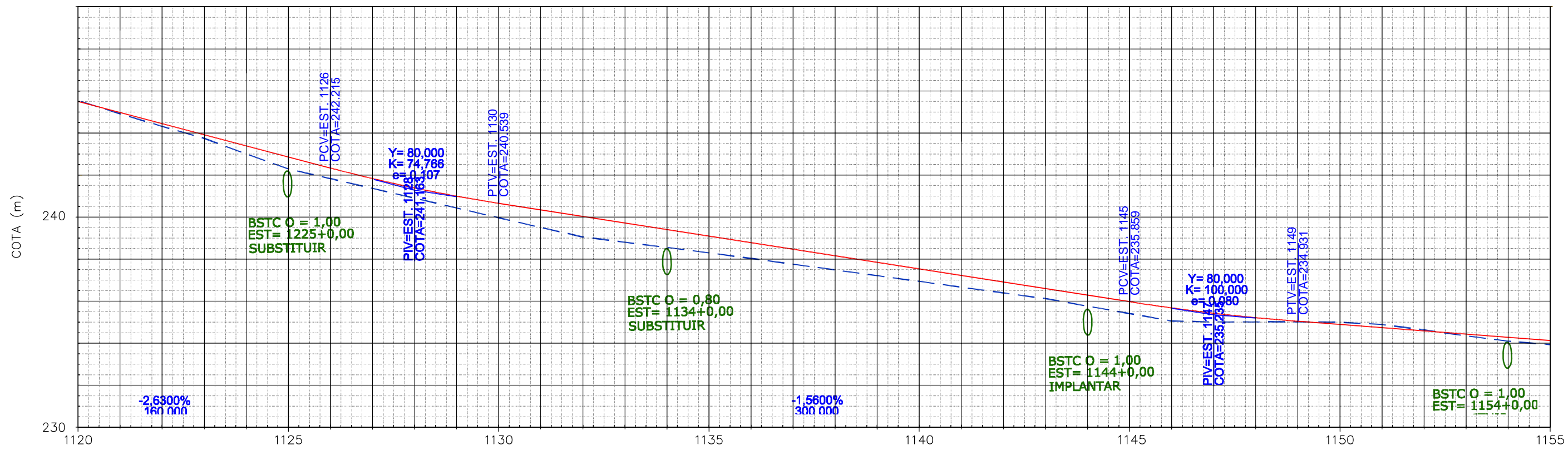
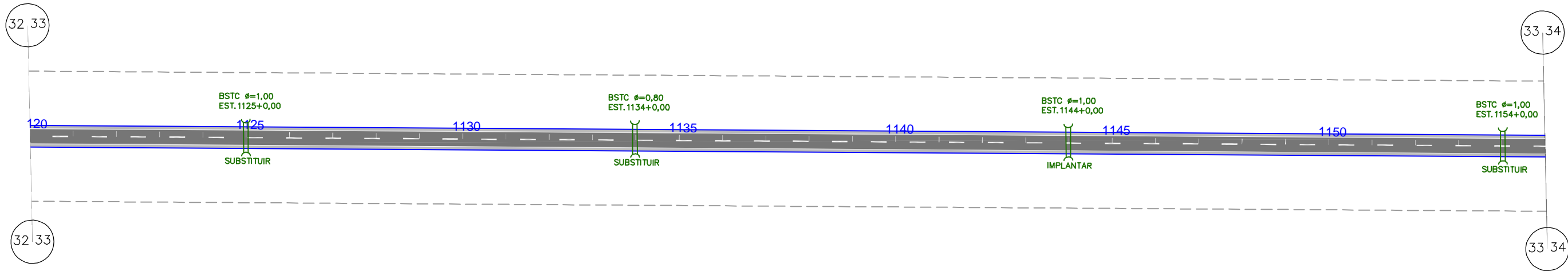
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32 33



Terreno:	255,902	255,444	254,986	254,528	254,070	253,612	253,126	252,638	252,149	251,843	251,764	251,620	251,467	251,315	251,154	250,983	250,936	250,889	250,647	250,161	249,675	249,568	249,505	249,452	249,365	249,124	248,882	248,641	248,400	248,158	247,821	247,412	246,923	246,433	245,944	245,414																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Projeto	256,545	256,109	255,673	255,237	254,801	254,365	253,929	253,493	253,084	252,729	252,428	252,181	251,961	251,741	251,521	251,301	251,081	250,861	250,641	250,421	250,201	249,981	249,761	249,541	249,321	249,101	248,881	248,661	248,441	248,221	248,001	247,781	247,561	247,341	247,121	246,901	246,681	246,461	246,241	246,021	245,801	245,581	245,361	245,141	244,921	244,701	244,481	244,261	244,041	243,821	243,601	243,381	243,161	242,941	242,721	242,501	242,281	242,061	241,841	241,621	241,401	241,181	240,961	240,741	240,521	240,301	240,081	239,861	239,641	239,421	239,201	238,981	238,761	238,541	238,321	238,101	237,881	237,661	237,441	237,221	237,001	236,781	236,561	236,341	236,121	235,901	235,681	235,461	235,241	235,021	234,801	234,581	234,361	234,141	233,921	233,701	233,481	233,261	233,041	232,821	232,601	232,381	232,161	231,941	231,721	231,501	231,281	231,061	230,841	230,621	230,401	230,181	229,961	229,741	229,521	229,301	229,081	228,861	228,641	228,421	228,201	227,981	227,761	227,541	227,321	227,101	226,881	226,661	226,441	226,221	226,001	225,781	225,561	225,341	225,121	224,901	224,681	224,461	224,241	224,021	223,801	223,581	223,361	223,141	222,921	222,701	222,481	222,261	222,041	221,821	221,601	221,381	221,161	220,941	220,721	220,501	220,281	220,061	219,841	219,621	219,401	219,181	218,961	218,741	218,521	218,301	218,081	217,861	217,641	217,421	217,201	216,981	216,761	216,541	216,321	216,101	215,881	215,661	215,441	215,221	215,001	214,781	214,561	214,341	214,121	213,901	213,681	213,461	213,241	213,021	212,801	212,581	212,361	212,141	211,921	211,701	211,481	211,261	211,041	210,821	210,601	210,381	210,161	209,941	209,721	209,501	209,281	209,061	208,841	208,621	208,401	208,181	207,961	207,741	207,521	207,301	207,081	206,861	206,641	206,421	206,201	205,981	205,761	205,541	205,321	205,101	204,881	204,661	204,441	204,221	204,001	203,781	203,561	203,341	203,121	202,901	202,681	202,461	202,241	202,021	201,801	201,581	201,361	201,141	200,921	200,701	200,481	200,261	200,041	199,821	199,601	199,381	199,161	198,941	198,721	198,501	198,281	198,061	197,841	197,621	197,401	197,181	196,961	196,741	196,521	196,301	196,081	195,861	195,641	195,421	195,201	194,981	194,761	194,541	194,321	194,101	193,881	193,661	193,441	193,221	193,001	192,781	192,561	192,341	192,121	191,901	191,681	191,461	191,241	191,021	190,801	190,581	190,361	190,141	189,921	189,701	189,481	189,261	189,041	188,821	188,601	188,381	188,161	187,941	187,721	187,501	187,281	187,061	186,841	186,621	186,401	186,181	185,961	185,741	185,521	185,301	185,081	184,861	184,641	184,421	184,201	183,981	183,761	183,541	183,321	183,101	182,881	182,661	182,441	182,221	182,001	181,781	181,561	181,341	181,121	180,901	180,681	180,461	180,241	180,021	179,801	179,581	179,361	179,141	178,921	178,701	178,481	178,261	178,041	177,821	177,601	177,381	177,161	176,941	176,721	176,501	176,281	176,061	175,841	175,621	175,401	175,181	174,961	174,741	174,521	174,301	174,081	173,861	173,641	173,421	173,201	172,981	172,761	172,541	172,321	172,101	171,881	171,661	171,441	171,221	171,001	170,781	170,561	170,341	170,121	169,901	169,681	169,461	169,241	169,021	168,801	168,581	168,361	168,141	167,921	167,701	167,481	167,261	167,041	166,821	166,601	166,381	166,161	165,941	165,721	165,501	165,281	165,061	164,841	164,621	164,401	164,181	163,961	163,741	163,521	163,301	163,081	162,861	162,641	162,421	162,201	161,981	161,761	161,541	161,321	161,101	160,881	160,661	160,441	160,221	160,001	159,781	159,561	159,341	159,121	158,901	158,681	158,461	158,241	158,021	157,801	157,581	157,361	157,141	156,921	156,701	156,481	156,261	156,041	155,821	155,601	155,381	155,161	154,941	154,721	154,501	154,281	154,061	153,841	153,621	153,401	153,181	152,961	152,741	152,521	152,301	152,081	151,861	151,641	151,421	151,201	150,981	150,761	150,541	150,321	150,101	149,881	149,661	149,441	149,221	149,001	148,781	148,561	148,341	148,121	147,901	147,681	147,461	147,241	147,021	146,801	146,581	146,361	146,141	145,921	145,701	145,481	145,261	145,041	144,821	144,601	144,381	144,161	143,941	143,721	143,501	143,281	143,061	142,841	142,621	142,401	142,181	141,961	141,741	141,521	141,301	141,081	140,861	140,641	140,421	140,201	140,000

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m	GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 			PROJETO GEOMÉTRICO	DES.:



Terreno:	-245,414	-244,794	-244,195	-243,622	-242,885	-242,174	-241,710	-241,246	-240,782	-240,318	-239,854	-239,390	-238,940	-238,689	-238,438	-238,187	-237,920	-237,646	-237,373	-237,100	-236,826	-236,553	-236,279	-236,008	-235,653	-235,300	-234,948	-234,900	-234,904	-234,931	-234,909	-234,887	-234,782	-234,518	-234,240	-233,987	-233,825																																																																																																																																																																					
Projeto	-245,371	-244,845	-244,319	-243,793	-243,267	-242,741	-242,215	-241,689	-241,163	-240,637	-240,111	-239,585	-239,059	-238,533	-238,007	-237,481	-236,955	-236,429	-235,903	-235,377	-234,851	-234,325	-233,799	-233,273	-232,747	-232,221	-231,695	-231,169	-230,643	-230,117	-230,000	-229,883	-229,766	-229,649	-229,532	-229,415	-229,298	-229,181	-229,064	-228,947	-228,830	-228,713	-228,596	-228,479	-228,362	-228,245	-228,128	-228,011	-227,894	-227,777	-227,660	-227,543	-227,426	-227,309	-227,192	-227,075	-226,958	-226,841	-226,724	-226,607	-226,490	-226,373	-226,256	-226,139	-226,022	-225,905	-225,788	-225,671	-225,554	-225,437	-225,320	-225,203	-225,086	-224,969	-224,852	-224,735	-224,618	-224,501	-224,384	-224,267	-224,150	-224,033	-223,916	-223,799	-223,682	-223,565	-223,448	-223,331	-223,214	-223,097	-222,980	-222,863	-222,746	-222,629	-222,512	-222,395	-222,278	-222,161	-222,044	-221,927	-221,810	-221,693	-221,576	-221,459	-221,342	-221,225	-221,108	-220,991	-220,874	-220,757	-220,640	-220,523	-220,406	-220,289	-220,172	-220,055	-219,938	-219,821	-219,704	-219,587	-219,470	-219,353	-219,236	-219,119	-219,002	-218,885	-218,768	-218,651	-218,534	-218,417	-218,300	-218,183	-218,066	-217,949	-217,832	-217,715	-217,598	-217,481	-217,364	-217,247	-217,130	-217,013	-216,896	-216,779	-216,662	-216,545	-216,428	-216,311	-216,194	-216,077	-215,960	-215,843	-215,726	-215,609	-215,492	-215,375	-215,258	-215,141	-215,024	-214,907	-214,790	-214,673	-214,556	-214,439	-214,322	-214,205	-214,088	-213,971	-213,854	-213,737	-213,620	-213,503	-213,386	-213,269	-213,152	-213,035	-212,918	-212,801	-212,684	-212,567	-212,450	-212,333	-212,216	-212,099	-211,982	-211,865	-211,748	-211,631	-211,514	-211,397	-211,280	-211,163	-211,046	-210,929	-210,812	-210,695	-210,578	-210,461	-210,344	-210,227	-210,110	-210,000

REVESTIMENTO CBUQ POSTE EM PLANTA EM PERFIL CURVA DE NIVEL NORTE ESCALA GRÁFICA

EIXO LOCADO DO PROJ. CASA ALVENARIA BUEIRO TERRENO NATURAL GREIDE

F. DOMÍNIO DO EXIST. PONTE PROJ.

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

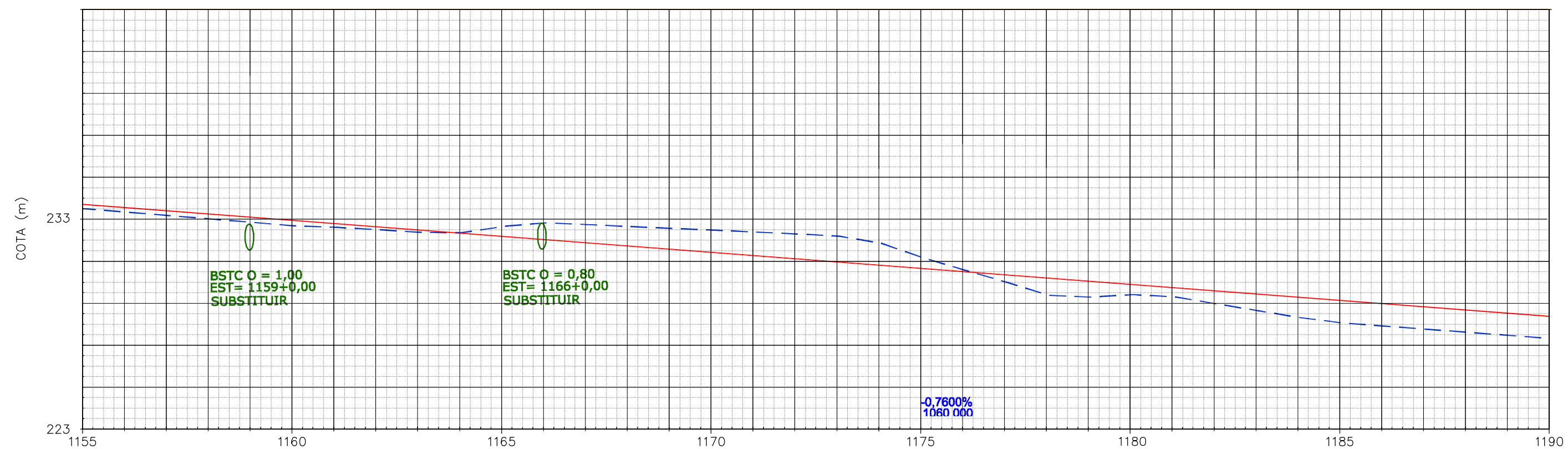
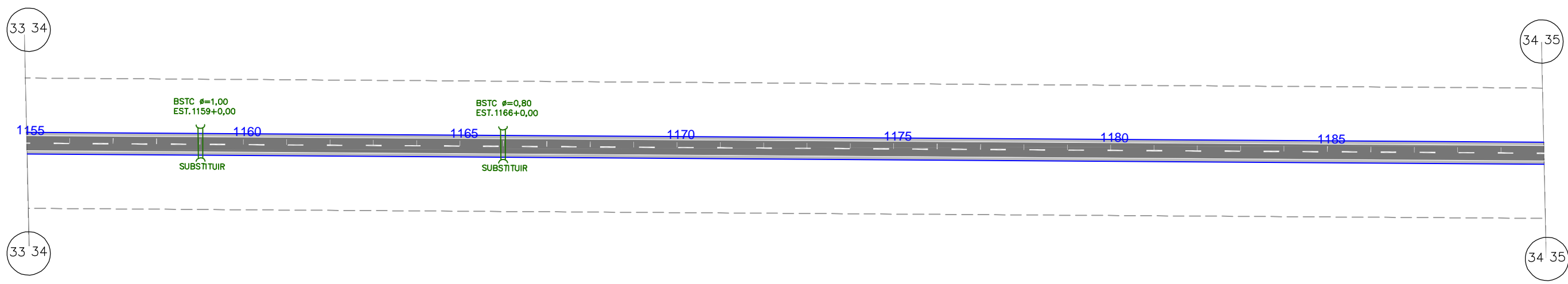
RODOVIA: VICINAL VS - 53
 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
 EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:

Identificador de autenticação: E15514C.866F.BD6.79E4BF722E3B91A035
 Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
 Nº do Protocolo: 2023/1133185 Anexo/Sequencial: 14

EM 03/10/2023 14:49 (Hora Local) - Aut. Assinatura: FA3FD3D9A071702.E2A3E1DB90F9028.F627B1C54DF95D1E.C0E95719BC846BD4



Terreno:	234,825	233,663	233,501	233,338	233,176	233,014	232,938	232,828	232,702	232,688	232,989	233,156	233,068	232,980	232,893	232,805	232,718	232,625	232,515	232,181	231,486	230,897	230,318	229,706	229,618	229,735	230,067	229,915	229,763	228,968	228,639	228,387	228,238	228,089	227,941	227,792	227,643
Projeto	234,019	233,867	233,715	233,563	233,411	233,259	233,107	232,955	232,803	232,651	232,499	232,347	232,195	232,043	231,891	231,739	231,587	231,435	231,283	231,131	230,979	230,827	230,675	230,523	230,371	230,219	230,067	229,915	229,763	229,611	229,459	229,307	229,155	229,003	228,851	228,699	

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 		TERRENO NATURAL 		
F. DOMÍNIO DO EXIST. 				GREIDE 		

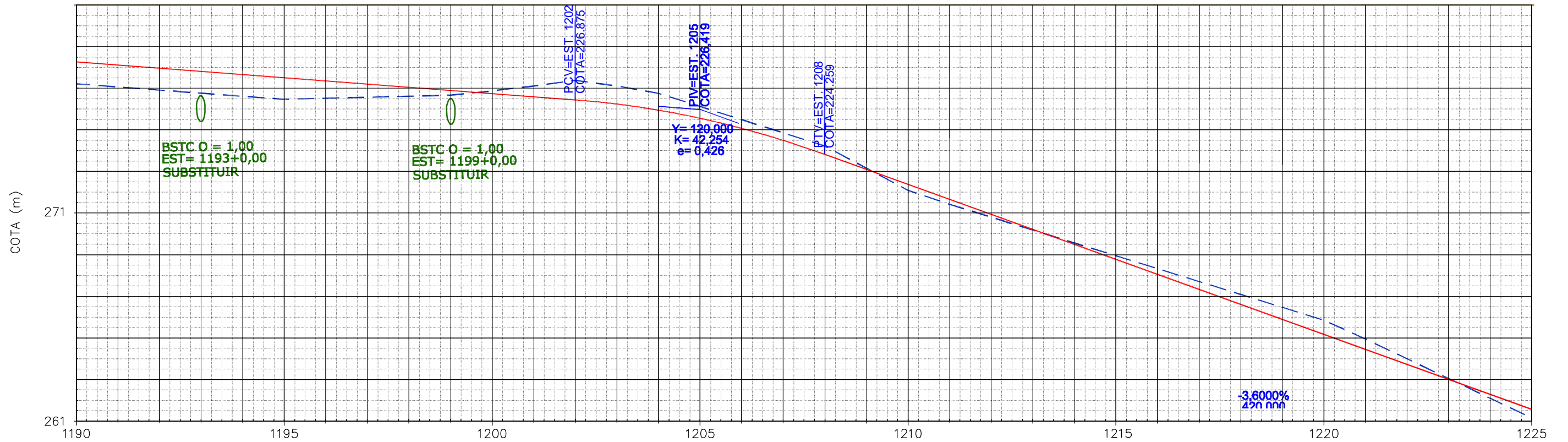
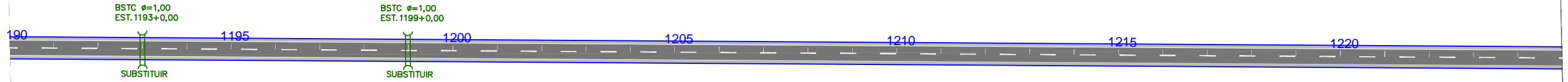
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:

34 35

34 35

35 36

35 36



Terreno:	227,643	227,494	227,345	227,197	227,048	226,903	226,951	226,999	227,048	227,096	227,301	227,540	227,809	227,544	227,191	226,559	225,927	225,295	224,661	223,602	222,534	221,864	221,245	220,627	220,009	219,390	218,772	218,153	217,535	216,917	216,298	215,679	215,061	214,442	213,823	213,204	212,585	211,966
Projeto	228,699	228,547	228,395	228,243	228,091	227,939	227,787	227,635	227,483	227,331	227,179	227,027	226,875	226,676	226,382	225,993	225,510	224,932	224,259	223,539	222,819	222,099	221,379	220,659	219,939	219,219	218,499	217,779	217,059	216,339	215,619	214,899	214,179	213,459	212,739	212,019		

REVESTIMENTO CBUQ: [Symbol]

POSTE: [Symbol]

CASA ALVENARIA: [Symbol]

EIXO LOCADO DO PROJ.: [Symbol]

F. DOMINIO DO EXIST.: [Symbol]

EM PLANTA: BUEIRO [Symbol], PONTE PROJ. [Symbol]

EM PERFIL: BUEIRO [Symbol], PONTE PROJ. [Symbol]

CURVA DE NIVEL: [Symbol]

TERRENO NATURAL: [Symbol]

GREIDE: [Symbol]

NORTE: [Symbol]

ESCALA GRÁFICA:
 HORIZONTAL: 0m, 20m, 40m, 80m, 100m
 VERTICAL: 0m, 2m, 4m, 8m, 10m

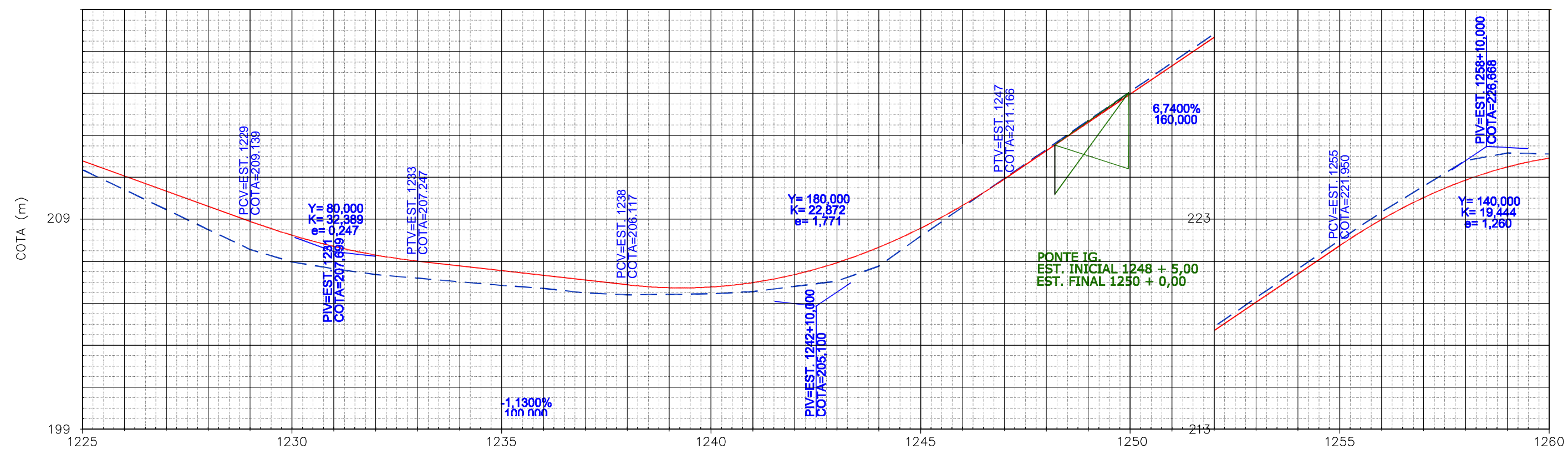
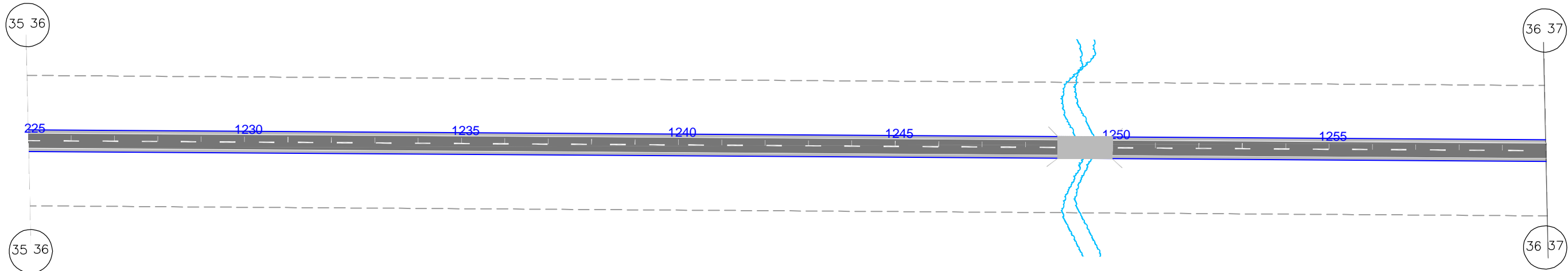
GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
 EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

DES.:

EM 03/10/2023 14:49 (Hora Local) - Aut. Assinatura: FA3FD3B9A071702.E2A3E1DB90F9028.F627B1C54DF95D1E.C0E95719BC84ED4



Terreno:	211,599	210,651	209,702	208,753	207,804	207,207	206,881	206,605	206,433	206,260	206,093	205,945	205,734	205,642	205,662	205,693	205,798	206,046	206,295	207,010	208,444	209,821	211,198	212,576	213,953	215,330	216,707	218,084	219,461	220,838	222,215	223,557	224,779	226,000	226,361	226,315
Projeto	212,019	211,299	210,579	209,859	209,139	208,481	207,946	207,535	207,247	207,021	206,795	206,569	206,343	206,117	205,978	205,915	206,226	206,612	207,173	207,909	208,820	209,905	211,166	212,514	213,862	215,210	216,558	217,906	219,254	220,602	221,950	223,195	224,235	225,068	225,696	226,119

REVESTIMENTO CBUQ

POSTE

CASA ALVENARIA

EM PLANTA

EM PERFIL

BUEIRO

PONTE PROJ.

CURVA DE NIVEL

TERRENO NATURAL

GREIDE

NORTE

ESCALA GRÁFICA

HORIZONTAL

VERTICAL

GOVERNO DO ESTADO DO PARÁ

SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53

TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)

EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

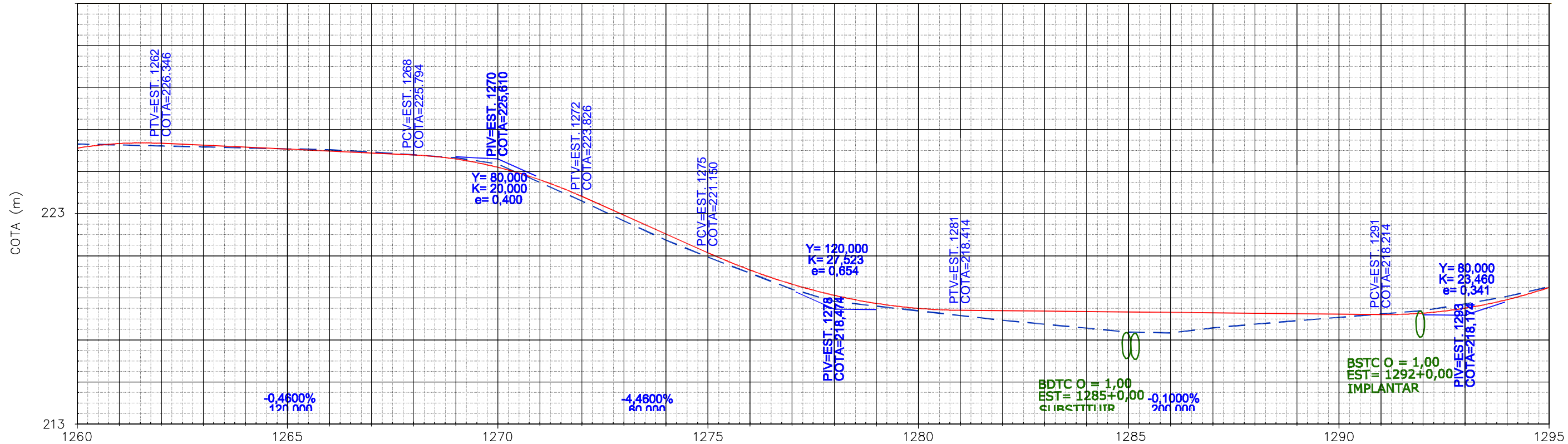
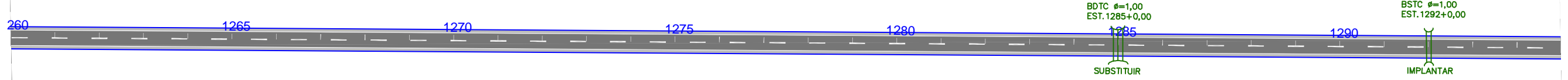
DES.:

36 37

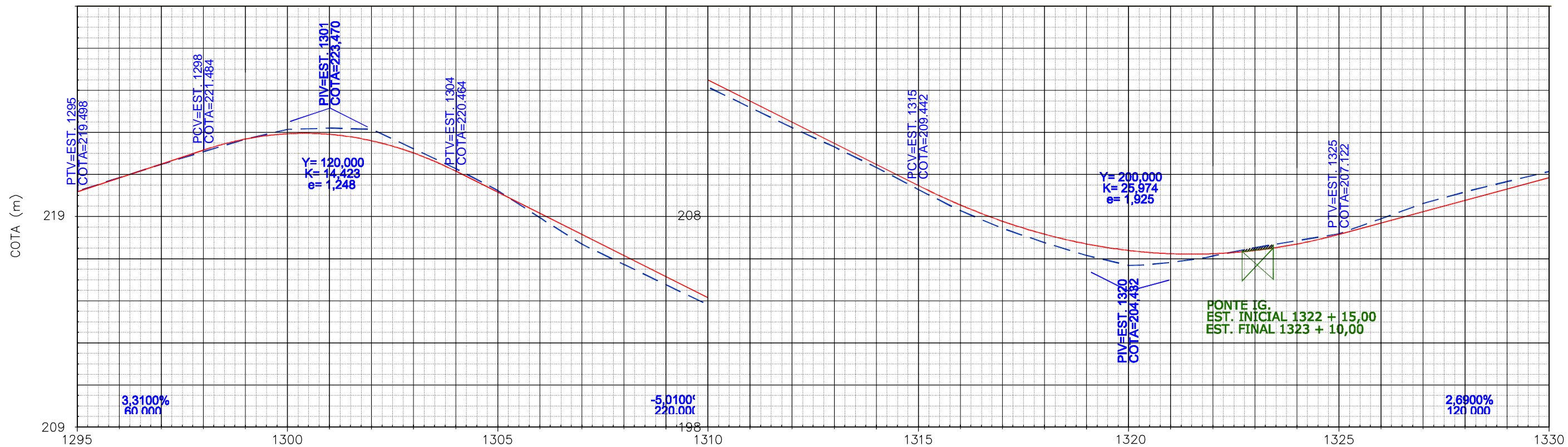
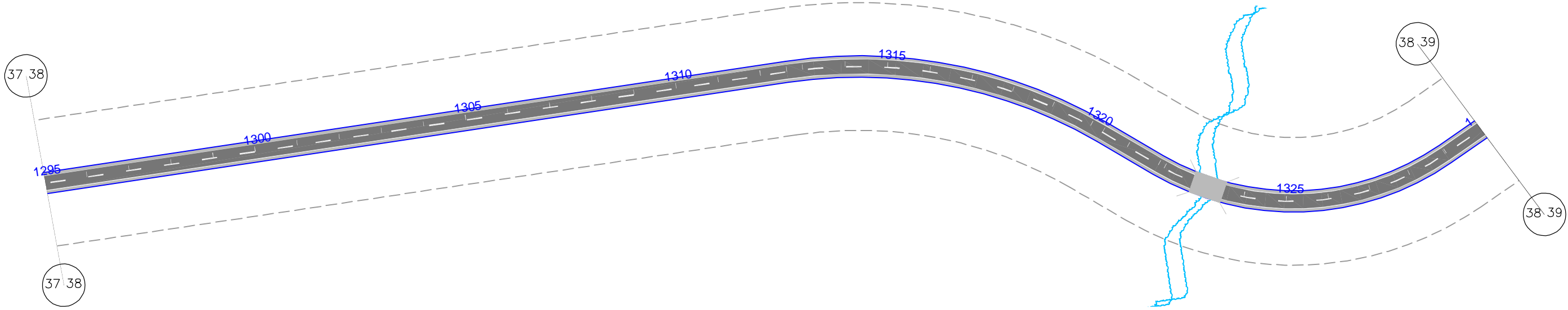
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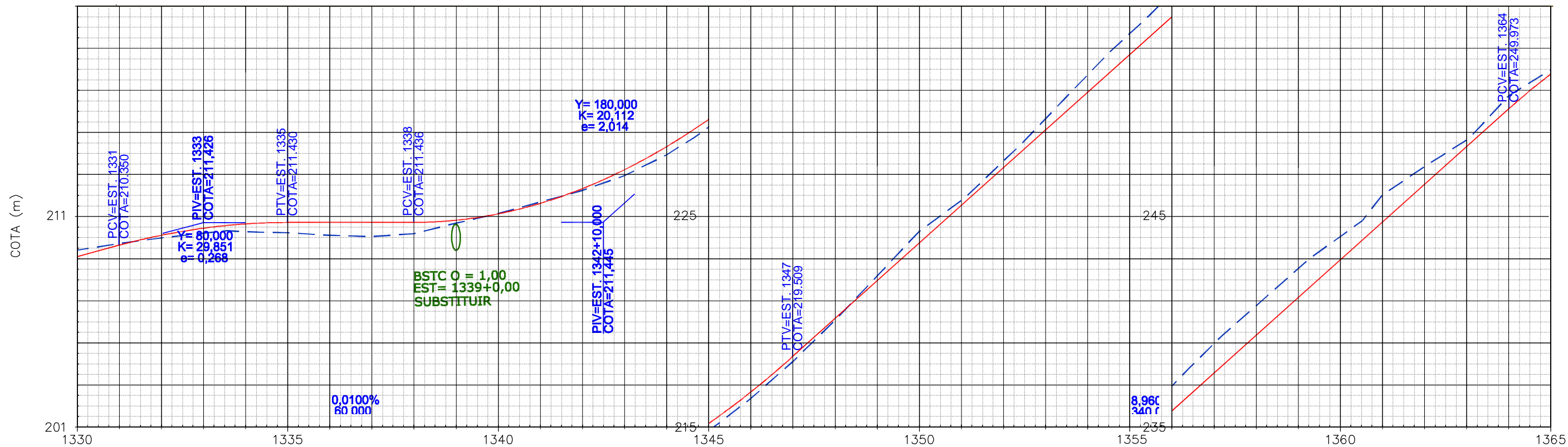
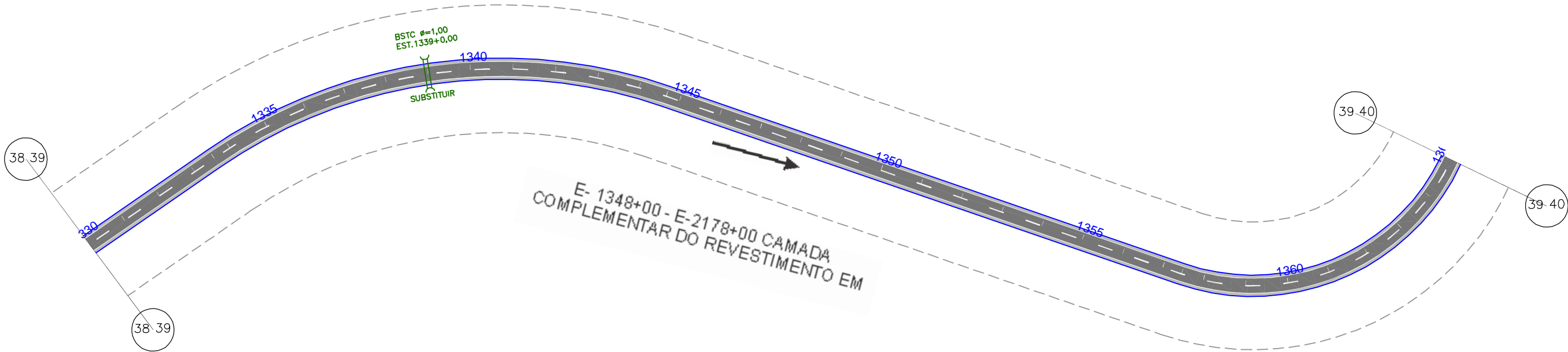
Terreno:	226,315	226,269	226,223	226,177	226,131	226,085	226,039	225,994	225,948	225,902	225,856	225,810	225,764	225,718	225,672	225,626	225,580	225,534	225,488	225,442	225,396	225,350	225,304	225,258	225,212	225,166	225,120	225,074	225,028	224,982	224,936	224,890	224,844	224,798	224,752	224,706	224,660	224,614	224,568	224,522	224,476	224,430	224,384	224,338	224,292	224,246	224,200	224,154	224,108	224,062	224,016	223,970	223,924	223,878	223,832	223,786	223,740	223,694	223,648	223,602	223,556	223,510	223,464	223,418	223,372	223,326	223,280	223,234	223,188	223,142	223,096	223,050	223,004	222,958	222,912	222,866	222,820	222,774	222,728	222,682	222,636	222,590	222,544	222,498	222,452	222,406	222,360	222,314	222,268	222,222	222,176	222,130	222,084	222,038	221,992	221,946	221,900	221,854	221,808	221,762	221,716	221,670	221,624	221,578	221,532	221,486	221,440	221,394	221,348	221,302	221,256	221,210	221,164	221,118	221,072	221,026	220,980	220,934	220,888	220,842	220,796	220,750	220,704	220,658	220,612	220,566	220,520	220,474	220,428	220,382	220,336	220,290	220,244	220,198	220,152	220,106	220,060	220,014	219,968	219,922	219,876	219,830	219,784	219,738	219,692	219,646	219,600	219,554	219,508	219,462	219,416	219,370	219,324	219,278	219,232	219,186	219,140	219,094	219,048	219,002	218,956	218,910	218,864	218,818	218,772	218,726	218,680	218,634	218,588	218,542	218,496	218,450	218,404	218,358	218,312	218,266	218,220	218,174	218,128	218,082	218,036	217,990	217,944	217,898	217,852	217,806	217,760	217,714	217,668	217,622	217,576	217,530	217,484	217,438	217,392	217,346	217,300	217,254	217,208	217,162	217,116	217,070	217,024	216,978	216,932	216,886	216,840	216,794	216,748	216,702	216,656	216,610	216,564	216,518	216,472	216,426	216,380	216,334	216,288	216,242	216,196	216,150	216,104	216,058	216,012	215,966	215,920	215,874	215,828	215,782	215,736	215,690	215,644	215,598	215,552	215,506	215,460	215,414	215,368	215,322	215,276	215,230	215,184	215,138	215,092	215,046	215,000	214,954	214,908	214,862	214,816	214,770	214,724	214,678	214,632	214,586	214,540	214,494	214,448	214,402	214,356	214,310	214,264	214,218	214,172	214,126	214,080	214,034	213,988	213,942	213,896	213,850	213,804	213,758	213,712	213,666	213,620	213,574	213,528	213,482	213,436	213,390	213,344	213,298	213,252	213,206	213,160	213,114	213,068	213,022	212,976	212,930	212,884	212,838	212,792	212,746	212,700	212,654	212,608	212,562	212,516	212,470	212,424	212,378	212,332	212,286	212,240	212,194	212,148	212,102	212,056	212,010	211,964	211,918	211,872	211,826	211,780	211,734	211,688	211,642	211,596	211,550	211,504	211,458	211,412	211,366	211,320	211,274	211,228	211,182	211,136	211,090	211,044	210,998	210,952	210,906	210,860	210,814	210,768	210,722	210,676	210,630	210,584	210,538	210,492	210,446	210,400	210,354	210,308	210,262	210,216	210,170	210,124	210,078	210,032	209,986	209,940	209,894	209,848	209,802	209,756	209,710	209,664	209,618	209,572	209,526	209,480	209,434	209,388	209,342	209,296	209,250	209,204	209,158	209,112	209,066	209,020	208,974	208,928	208,882	208,836	208,790	208,744	208,698	208,652	208,606	208,560	208,514	208,468	208,422	208,376	208,330	208,284	208,238	208,192	208,146	208,100	208,054	208,008	207,962	207,916	207,870	207,824	207,778	207,732	207,686	207,640	207,594	207,548	207,502	207,456	207,410	207,364	207,318	207,272	207,226	207,180	207,134	207,088	207,042	206,996	206,950	206,904	206,858	206,812	206,766	206,720	206,674	206,628	206,582	206,536	206,490	206,444	206,398	206,352	206,306	206,260	206,214	206,168	206,122	206,076	206,030	205,984	205,938	205,892	205,846	205,800	205,754	205,708	205,662	205,616	205,570	205,524	205,478	205,432	205,386	205,340	205,294	205,248	205,202	205,156	205,110	205,064	205,018	204,972	204,926	204,880	204,834	204,788	204,742	204,696	204,650	204,604	204,558	204,512	204,466	204,420	204,374	204,328	204,282	204,236	204,190	204,144	204,098	204,052	204,006	203,960	203,914	203,868	203,822	203,776	203,730	203,684	203,638	203,592	203,546	203,500	203,454	203,408	203,362	203,316	203,270	203,224	203,178	203,132	203,086	203,040	202,994	202,948	202,902	202,856	202,810	202,764	202,718	202,672	202,626	202,580	202,534	202,488	202,442	202,396	202,350	202,304	202,258	202,212	202,166	202,120	202,074	202,028	201,982	201,936	201,890	201,844	201,798	201,752	201,706	201,660	201,614	201,568	201,522	201,476	201,430	201,384	201,338	201,292	201,246	201,200	201,154	201,108	201,062	201,016	200,970	200,924	200,878	200,832	200,786	200,740	200,694	200,648	200,602	200,556	200,510	200,464	200,418	200,372	200,326	200,280	200,234	200,188	200,142	200,096	200,050	200,004	199,958	199,912	199,866	199,820	199,774	199,728	199,682	199,636	199,590	199,544	199,498	199,452	199,406	199,360	199,314	199,268	199,222	199,176	199,130	199,084	199,038	198,992	198,946	198,900	198,854	198,808	198,762	198,716	198,670	198,624	198,578	198,532	198,486	198,440	198,394	198,348	198,302	198,256	198,210	198,164	198,118	198,072	198,026	197,980	197,934	197,888	197,842	197,796	197,750	197,704	197,658	197,612	197,566	197,520	197,474	197,428	197,382	197,336	197,290	197,244	197,198	197,152	197,106	197,060	197,014	196,968	196,922	196,876	196,830	196,784	196,738	196,692	196,646	196,600	196,554	196,508	196,462	196,416	196,370	196,324	196,278	196,232	196,186	196,140	196,094	196,048	196,002	195,956	195,910	195,864	195,818	195,772	195,726	195,680	195,634	195,588	195,542	195,496	195,450	195,404	195,358	195,312	195,266	195,220	195,174	195,128	195,082	195,036	194,990	194,944	194,898	194,852	194,806	194,760	194,714	194,668	194,622	194,576	194,530	194,484	194,438	194,392	194,346	194,300	194,254	194,208	194,162	194,116	194,070	194,024	193,978	193,932	193,886	193,840	193,794	193,748	193,702	193,656	193,610	193,564	193,518	193,472	193,426	193,380	193,334	193,288	193,242	193,196	193,150	193,104	193,058	193,012	192,966	192,920	192,874	192,828	192,782	192,736	192,690	192,644	192,598	192,552	192,506	192,460	192,414	192,368	192,322	192,276	192,230	192,184	192,138	192,092	192,046	192,000	191,954	191,908	191,862	191,816	191,770	191,724	191,678	191,632	191,586	191,540	191,494	191,448	191,402	191,356	191,310	191,264	191,218	191,172	191,126	191,080	191,034	190,988	190,942	190,896	190,850	190,804	190,758	190,712	190,666	190,620	190,574	190,528	190,482	190,436	190,390	190,344	190,298	190,252	190,206	190,160	190,114	190,068	190,022	189,976	189,930	189,884	189,838	189,792	189,746	189,700	189,654	189,608	189,562	189,516	189,470	189,424	189,378	189,332	189,286	189,240	189,194	189,148	189,102	189,056	189,010	188,964	188,918	188,872	188,826	188,780	188,734	188,688	188,642	188,596	188,550	188,504	188,458	188,412	188,366	188,320	188,274	188,228	188,182	188,136	188,090	188,044	187,998	187,952	187,906	187,860	187,814	187,768	187,722	187,676	187,630	187,584	187,538	187,492	187,446	187,400	187,354	187,308	187,262	187,216	187,170	187,124	187,078	187,032	186,986	186,940	186,894	186,848	186,802	186,756	186,710	186,664	186,618	186,572	186,526	186,480	186,434	186,388	186,342	186,296	186,250	186,204	186,158	186,112	186,066	186,020	185,974	185,928	185,882	185,836	185,790	185,744	185,698	185,652	185,606	185,560	185,514	185,468	185,422	185,376	185,330	185,284	185,238	185,192	185,146	185,100	185,054	185,008	184,962	184,916	184,870	184,824	184,778	184,732	184,686	184,640	184,594	184,548	184,502	184,456	184,410	184,364	184,318	184,272	184,226	184,180	184,134	184,088	184,042	183,996	183,950	183,904	183,858	183,812	183,766	183,720	183,674	183,628	183,582	183,536	183,490	183,444	183,398	183,352	183,306	183,260	183,214	183,168	183,122	183,076	183,030	182,984	182,938	182,892	182,846	182,800	182,754	182,708	182,662	182,616	182,570	182,524	182,478	182,432	182,386	182,340	182,294	182,248	182,202	182,156	182,110	182,064	182,018	181,972	181,926	181,880	181,834	181,788	1
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Terreno:	219.529	219.180	220.811	221.407	222.003	222.463	222.520	222.465	221.530	220.590	219.546	218.247	216.996	216.034	215.073	214.111	213.150	212.188	211.616	211.275	210.302	209.252	208.246	207.406	206.727	206.116	205.649	205.665	206.202	205.788	206.088	206.090	206.354	206.492	206.820	207.150	207.660	207.863	208.198	208.586	208.736	209.141	209.274	209.630	210.111
Projeto	219.498	220.160	220.822	221.484	222.007	222.253	222.222	221.913	221.327	220.464	219.462	218.460	217.458	216.456	215.454	214.452	213.450	212.448	211.819	211.446	210.444	209.442	208.517	207.746	207.129	206.666	206.357	206.291	206.202	206.181	206.201	206.354	206.661	207.122	207.660	208.198	208.736	209.141	209.274	209.630	210.111				

REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO	PONTE PROJ.	TERRENO NATURAL		HORIZONTAL
F. DOMÍNIO DO EXIST.				GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km		
PROJETO GEOMÉTRICO		DES.:



Terreno:	210,111	210,430	210,697	210,924	211,039	210,987	210,944	210,823	210,764	210,897	211,398	211,849	212,403	212,950	213,653	214,637	215,487	215,961	217,510	219,262	221,219	223,322	225,446	227,610	229,699	231,787	233,844	235,698	237,576	239,453	240,325	241,340	243,252	244,679	245,881	247,555	249,034	250,601	251,827
Projeto	209,812	210,350	210,821	211,158	211,288	211,361	211,430	211,432	211,434	211,436	211,537	211,838	212,337	213,035	213,932	215,028	215,875	216,323	217,816	219,509	221,301	223,093	224,885	226,677	228,469	230,261	232,053	233,845	235,637	237,429	238,261	239,221	241,013	242,805	244,597	246,389	248,181	249,973	251,634

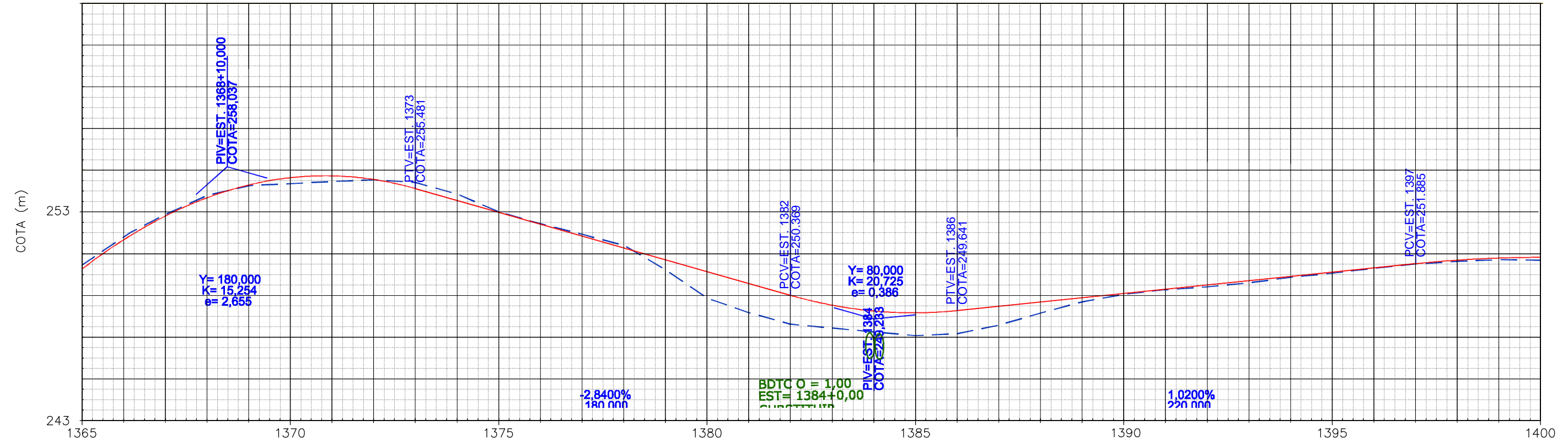
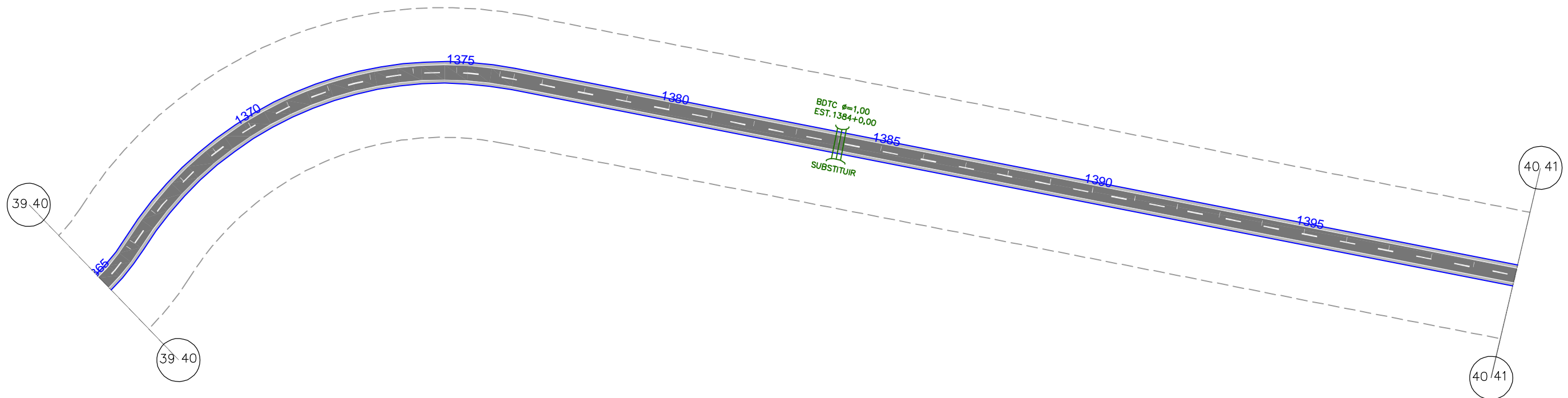
REVESTIMENTO CBUQ	POSTE	EM PLANTA	EM PERFIL	CURVA DE NIVEL	NORTE	ESCALA GRÁFICA
EIXO LOCADO DO PROJ.	CASA ALVENARIA	BUEIRO		TERRENO NATURAL		HORIZONTAL
F. DOMINIO DO EXIST.		PONTE PROJ.		GREIDE		VERTICAL

GOVERNO DO ESTADO DO PARÁ
SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN

RODOVIA: VICINAL VS - 53
TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70)
EXTENSÃO: 45,0 Km

PROJETO GEOMÉTRICO

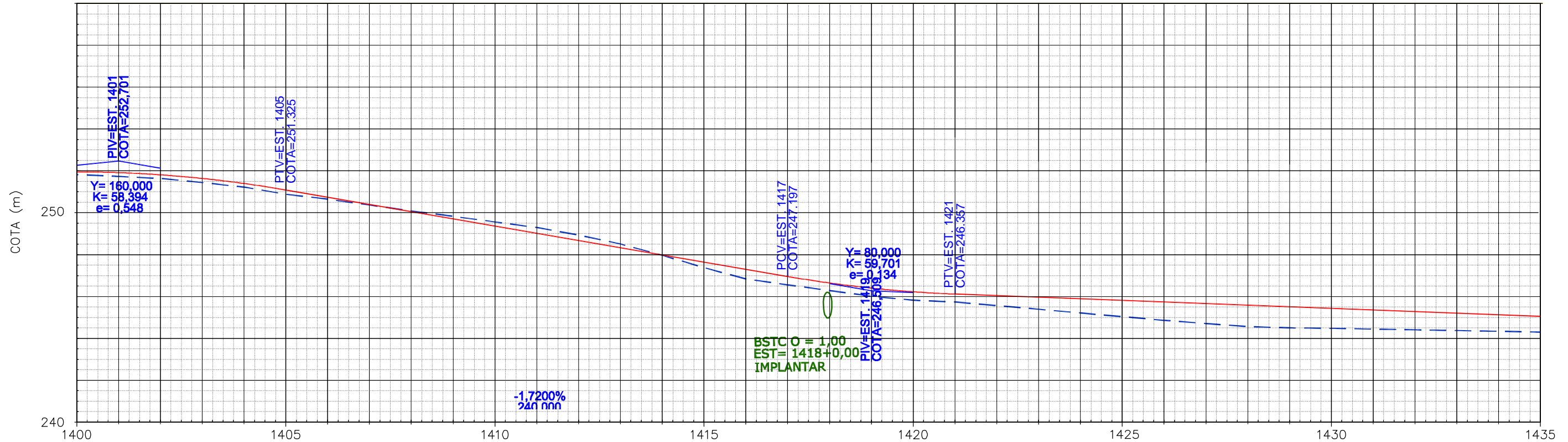
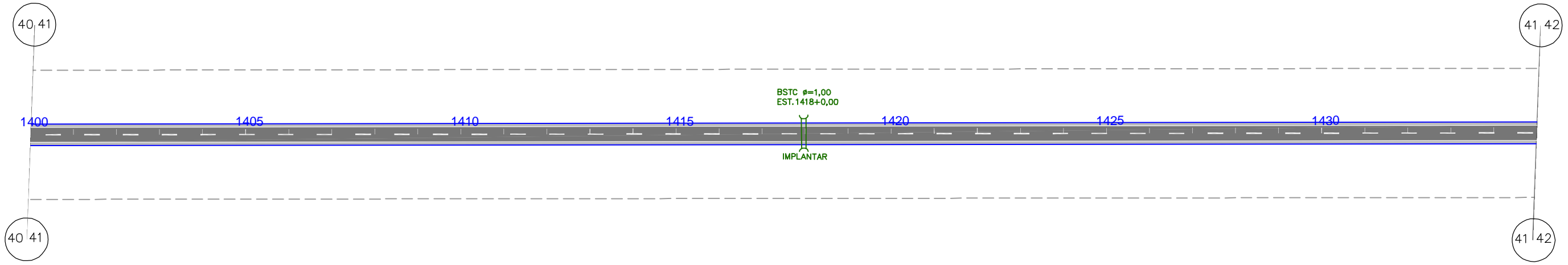
DES.:



Terreno:	251,827	253,160	254,243	255,154	255,625	255,718	255,822	255,901	255,775	255,219	254,370	253,792	253,626	253,291	252,764	251,592	250,236	249,540	248,986	248,800	248,616	248,439	248,535	248,945	249,522	250,059	250,536	250,908	251,237	251,502	251,752	251,931	251,863	251,872	251,998	252,074	251,875
Projeto	251,634	253,033	254,169	255,043	255,655	256,005	256,093	255,918	255,481	254,913	254,345	253,777	253,589	253,209	252,641	252,073	251,505	250,937	250,369	249,897	249,619	249,533	249,641	249,845	250,049	250,253	250,457	250,661	250,865	251,069	251,273	251,477	251,681	251,885	252,055	252,156	252,189

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 		TERRENO NATURAL 		
F. DOMINIO DO EXIST. 				GREIDE 		

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
	DES.:	



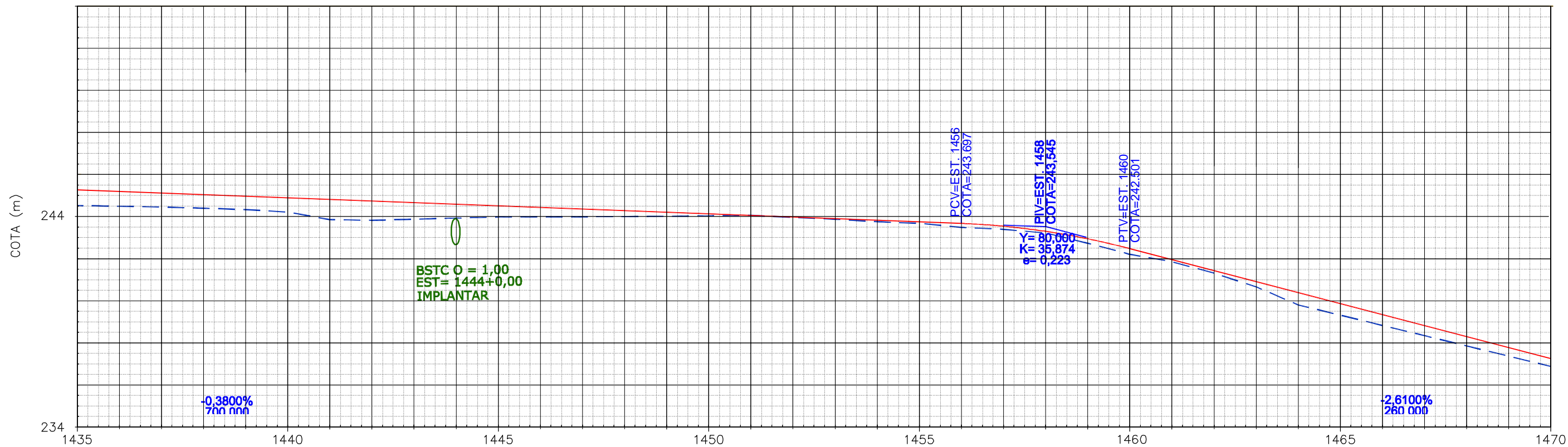
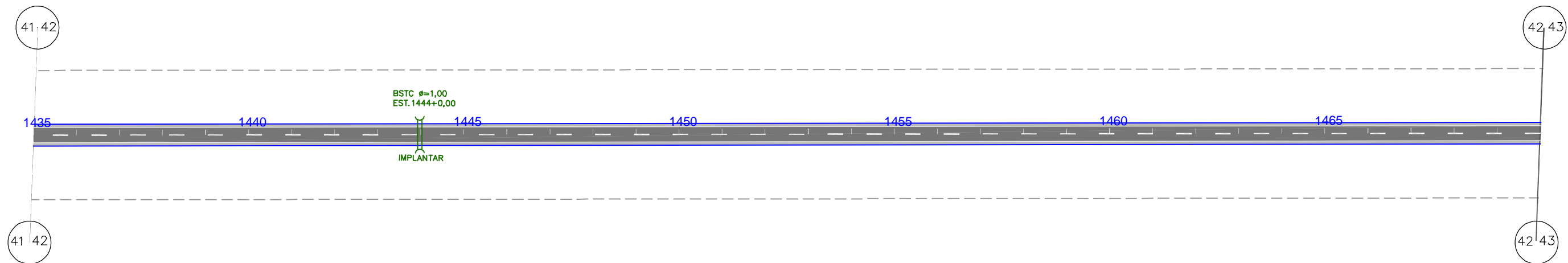
Terreno:	251,875	251,698	251,547	251,395	251,269	251,120	250,886	250,608	250,323	250,066	249,799	249,532	249,173	248,745	248,208	247,616	247,079	246,794	246,527	246,255	246,063	245,983	245,807	245,632	245,456	245,280	245,104	244,954	244,808	244,744	244,720	244,686	244,651	244,616	244,582	244,547
Projeto	252,189	252,153	252,049	251,876	251,635	251,325	250,981	250,637	250,293	249,949	249,605	249,261	248,917	248,573	248,229	247,885	247,541	247,197	246,886	246,643	246,466	246,357	246,281	246,205	246,129	246,053	245,977	245,901	245,825	245,749	245,673	245,597	245,521	245,445	245,369	245,293

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL BUEIRO 	CURVA DE NIVEL 	NORTE 	ESCALA GRÁFICA HORIZONTAL: 0m, 20m, 40m, 80m, 100m VERTICAL: 0m, 2m, 4m, 8m, 10m
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	PONTE PROJ. 	TERRENO NATURAL 	GREIDE 	F. DOMÍNIO DO EXIST. 	

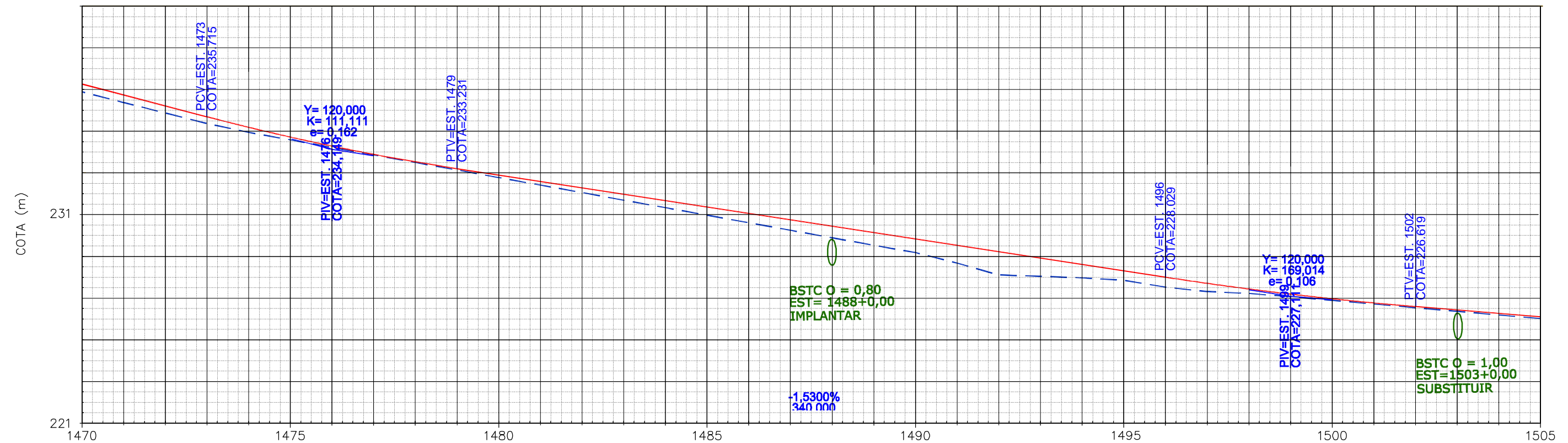
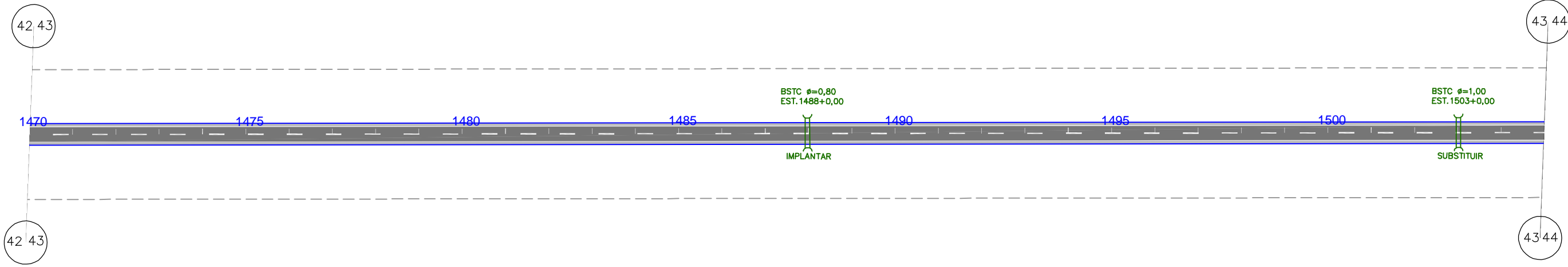
GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
		DES.:

Confira a autenticidade deste documento em <https://www.sistemas.pa.gov.br/validacao-protocolo>
 N° do Protocolo: 2023/1133185 Anexo/Sequencial: 14

EM 03/10/2023 14:49 (Hora Local) - Aut. Assinatura: FA3FD3B9A071702.E2A3E1DB90F9028.F627B1C54DF95D1E.C0E95719BC846BD4
 ASSINADO ELETRONICAMENTE PELO USUÁRIO: Francisco Leonardo Dias Tomaz (Lei. 11.419/2006)



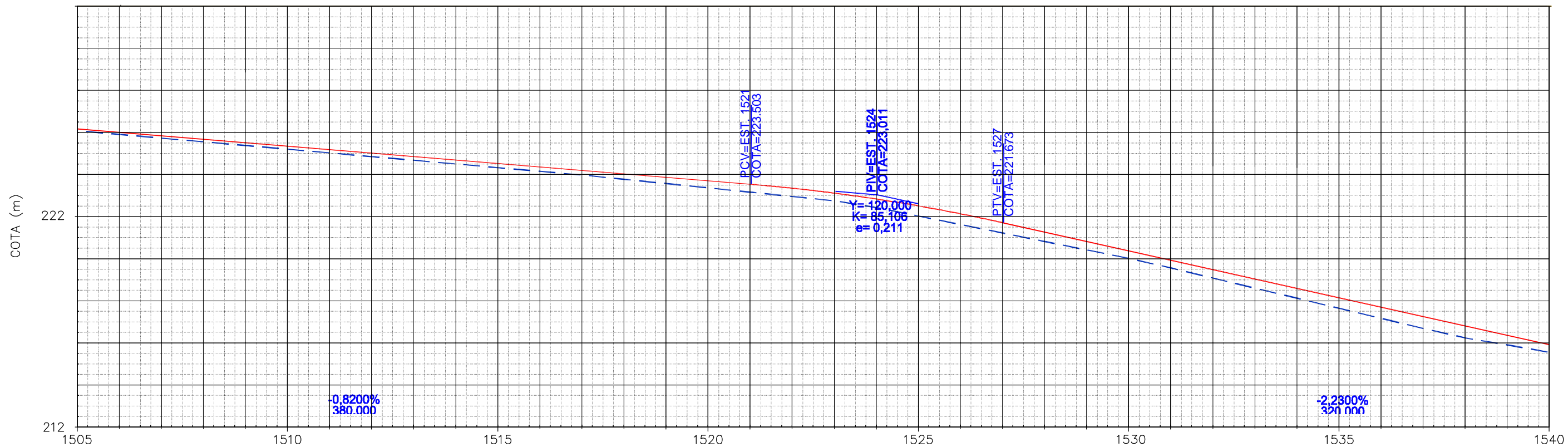
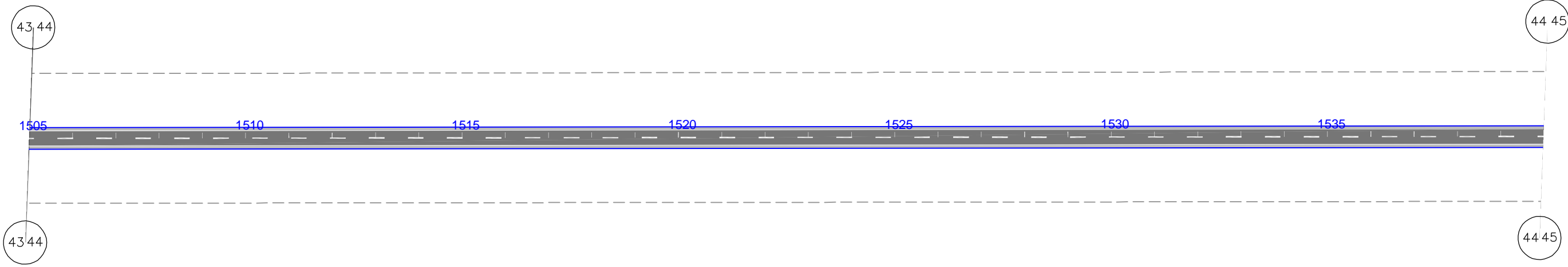
Terreno:	244,547	244,512	244,477	244,420	244,355	244,237	244,877	243,847	243,898	243,950	244,002	244,012	244,016	244,021	244,038	244,057	244,077	244,097	244,117	244,137	244,157	244,176	244,196	244,019	243,438	242,858	242,277	241,656	240,687	239,829	239,342	238,855	238,367	237,880	237,393	236,910																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Projeto	245,293	245,217	245,141	245,065	244,989	244,913	244,837	244,761	244,685	244,609	244,533	244,457	244,381	244,305	244,229	244,153	244,077	244,001	243,925	243,849	243,773	243,697	243,621	243,545	243,469	243,393	243,317	243,241	243,165	243,089	243,013	242,937	242,861	242,785	242,709	242,633	242,557	242,481	242,405	242,329	242,253	242,177	242,101	242,025	241,949	241,873	241,797	241,721	241,645	241,569	241,493	241,417	241,341	241,265	241,189	241,113	241,037	240,961	240,885	240,809	240,733	240,657	240,581	240,505	240,429	240,353	240,277	240,201	240,125	240,049	239,973	239,897	239,821	239,745	239,669	239,593	239,517	239,441	239,365	239,289	239,213	239,137	239,061	238,985	238,909	238,833	238,757	238,681	238,605	238,529	238,453	238,377	238,301	238,225	238,149	238,073	237,997	237,921	237,845	237,769	237,693	237,617	237,541	237,465	237,389	237,313	237,237	237,161	237,085	237,009	236,933	236,857	236,781	236,705	236,629	236,553	236,477	236,401	236,325	236,249	236,173	236,097	236,021	235,945	235,869	235,793	235,717	235,641	235,565	235,489	235,413	235,337	235,261	235,185	235,109	235,033	234,957	234,881	234,805	234,729	234,653	234,577	234,501	234,425	234,349	234,273	234,197	234,121	234,045	233,969	233,893	233,817	233,741	233,665	233,589	233,513	233,437	233,361	233,285	233,209	233,133	233,057	232,981	232,905	232,829	232,753	232,677	232,601	232,525	232,449	232,373	232,297	232,221	232,145	232,069	231,993	231,917	231,841	231,765	231,689	231,613	231,537	231,461	231,385	231,309	231,233	231,157	231,081	231,005	230,929	230,853	230,777	230,701	230,625	230,549	230,473	230,397	230,321	230,245	230,169	230,093	230,017	229,941	229,865	229,789	229,713	229,637	229,561	229,485	229,409	229,333	229,257	229,181	229,105	229,029	228,953	228,877	228,801	228,725	228,649	228,573	228,497	228,421	228,345	228,269	228,193	228,117	228,041	227,965	227,889	227,813	227,737	227,661	227,585	227,509	227,433	227,357	227,281	227,205	227,129	227,053	226,977	226,901	226,825	226,749	226,673	226,597	226,521	226,445	226,369	226,293	226,217	226,141	226,065	225,989	225,913	225,837	225,761	225,685	225,609	225,533	225,457	225,381	225,305	225,229	225,153	225,077	225,001	224,925	224,849	224,773	224,697	224,621	224,545	224,469	224,393	224,317	224,241	224,165	224,089	224,013	223,937	223,861	223,785	223,709	223,633	223,557	223,481	223,405	223,329	223,253	223,177	223,101	223,025	222,949	222,873	222,797	222,721	222,645	222,569	222,493	222,417	222,341	222,265	222,189	222,113	222,037	221,961	221,885	221,809	221,733	221,657	221,581	221,505	221,429	221,353	221,277	221,201	221,125	221,049	220,973	220,897	220,821	220,745	220,669	220,593	220,517	220,441	220,365	220,289	220,213	220,137	220,061	219,985	219,909	219,833	219,757	219,681	219,605	219,529	219,453	219,377	219,301	219,225	219,149	219,073	218,997	218,921	218,845	218,769	218,693	218,617	218,541	218,465	218,389	218,313	218,237	218,161	218,085	218,009	217,933	217,857	217,781	217,705	217,629	217,553	217,477	217,401	217,325	217,249	217,173	217,097	217,021	216,945	216,869	216,793	216,717	216,641	216,565	216,489	216,413	216,337	216,261	216,185	216,109	216,033	215,957	215,881	215,805	215,729	215,653	215,577	215,501	215,425	215,349	215,273	215,197	215,121	215,045	214,969	214,893	214,817	214,741	214,665	214,589	214,513	214,437	214,361	214,285	214,209	214,133	214,057	213,981	213,905	213,829	213,753	213,677	213,601	213,525	213,449	213,373	213,297	213,221	213,145	213,069	212,993	212,917	212,841	212,765	212,689	212,613	212,537	212,461	212,385	212,309	212,233	212,157	212,081	212,005	211,929	211,853	211,777	211,701	211,625	211,549	211,473	211,397	211,321	211,245	211,169	211,093	211,017	210,941	210,865	210,789	210,713	210,637	210,561	210,485	210,409	210,333	210,257	210,181	210,105	210,029	209,953	209,877	209,801	209,725	209,649	209,573	209,497	209,421	209,345	209,269	209,193	209,117	209,041	208,965	208,889	208,813	208,737	208,661	208,585	208,509	208,433	208,357	208,281	208,205	208,129	208,053	207,977	207,901	207,825	207,749	207,673	207,597	207,521	207,445	207,369	207,293	207,217	207,141	207,065	206,989	206,913	206,837	206,761	206,685	206,609	206,533	206,457	206,381	206,305	206,229	206,153	206,077	206,001	205,925	205,849	205,773	205,697	205,621	205,545	205,469	205,393	205,317	205,241	205,165	205,089	205,013	204,937	204,861	204,785	204,709	204,633	204,557	204,481	204,405	204,329	204,253	204,177	204,101	204,025	203,949	203,873	203,797	203,721	203,645	203,569	203,493	203,417	203,341	203,265	203,189	203,113	203,037	202,961	202,885	202,809	202,733	202,657	202,581	202,505	202,429	202,353	202,277	202,201	202,125	202,049	201,973	201,897	201,821	201,745	201,669	201,593	201,517	201,441	201,365	201,289	201,213	201,137	201,061	200,985	200,909	200,833	200,757	200,681	200,605	200,529	200,453	200,377	200,301	200,225	200,149	200,073	199,997	199,921	199,845	199,769	199,693	199,617	199,541	199,465	199,389	199,313	199,237	199,161	199,085	199,009	198,933	198,857	198,781	198,705	198,629	198,553	198,477	198,401	198,325	198,249	198,173	198,097	198,021	197,945	197,869	197,793	197,717	197,641	197,565	197,489	197,413	197,337	197,261	197,185	197,109	197,033	196,957	196,881	196,805	196,729	196,653	196,577	196,501	196,425	196,349	196,273	196,197	196,121	196,045	195,969	195,893	195,817	195,741	195,665	195,589	195,513	195,437	195,361	195,285	195,209	195,133	195,057	194,981	194,905	194,829	194,753	194,677	194,601	194,525	194,449	194,373	194,297	194,221	194,145	194,069	193,993	193,917	193,841	193,765	193,689	193,613	193,537	193,461	193,385	193,309	193,233	193,157	193,081	193,005	192,929	192,853	192,777	192,701	192,625	192,549	192,473	192,397	192,321	192,245	192,169	192,093	192,017	191,941	191,865	191,789	191,713	191,637	191,561	191,485	191,409	191,333	191,257	191,181	191,105	191,029	190,953	190,877	190,801	190,725	190,649	190,573	190,497	190,421	190,345	190,269	190,193	190,117	190,041	189,965	189,889	189,813	189,737	189,661	189,585	189,509	189,433	189,357	189,281	189,205	189,129	189,053	188,977	188,901	188,825	188,749	188,673	188,597	188,521	188,445	188,369	188,293	188,217	188,141	188,065	187,989	187,913	187,837	187,761	187,685	187,609	187,533	187,457	187,381	187,305	187,229	187,153	187,077	187,001	186,925	186,849	186,773	186,697	186,621	186,545	186,469	186,393	186,317	186,241	186,165	186,089	186,013	185,937	185,861	185,785	185,709	185,633	185,557	185,481	185,405	185,329	185,253	185,177	185,101	185,025	184,949	184,873	184,797	184,721	184,645	184,569	184,493	184,417	184,341	184,265	184,189	184,113	184,037	183,961	183,885	183,809	183,733	183,657	183,581	183,505	183,429	183,353	183,277	183,201	183,125	183,049	182,973	182,897	182,821	182,745	182,669	182,593	182,517	182,441	182,365	182,289	182,213	182,137	182,061	181,985	181,909	181,833	181,757	181,681	181,605	181,529	181,453	181,377	181,301	181,225	181,149	181,073	180,997	180,921	180,845	180,769	180,693	180,617	180,541	180,465	180,389	180,313	180,237	180,161	180,085	180,009	179,933	179,857	179,781	179,705	179,629	179,553	179,477	179,401	179,325	179,249	179,173	179,097	179,021	178,945	178,869	178,793	178,717	178,641	178,565	178,489	178,413	178,337	178,261	178,185	178,109	178,033	177,957	177,881	177,805	177,729	177,653	177,577	177,501	177,425	177,349	177,273	177,197	177,121	177,045	176,969	176,893	176,817	176,741	176,665	176,589	176,513	176,437	176,361	176,285	176,209	176,133	176,057	175,981	175,905	175,829	175,753	175,677	175,601	175,525	175,449	175,373	175,297	175,221	175,145	175,069	174,993	174,917	174,841	174,765	174,689	174,613	174,537	174,461	174,385	174,309	174,233	174,157	174,081	174,005	173,929	173,853	173,777	173,701	173,625	173,549	173,473	173,397	173,321	173,245	173,169	173,093	173,017	172,941	172,865	172,789	172,713	172,637	172,561	172,485	172,409	172,333	172,257	172,181	172,105	172,029	171,953	171,877



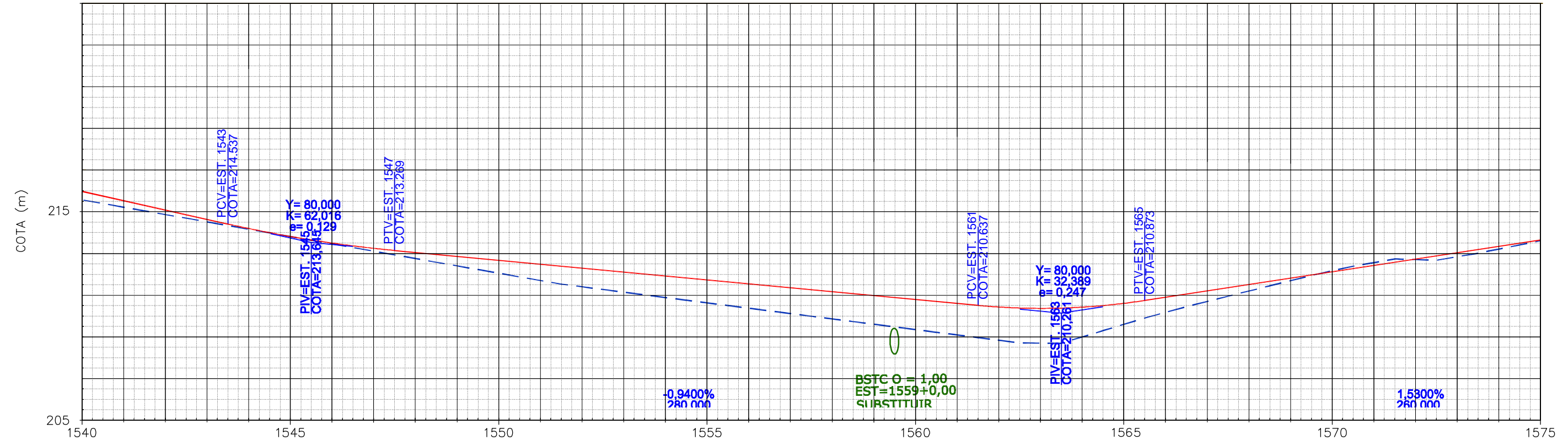
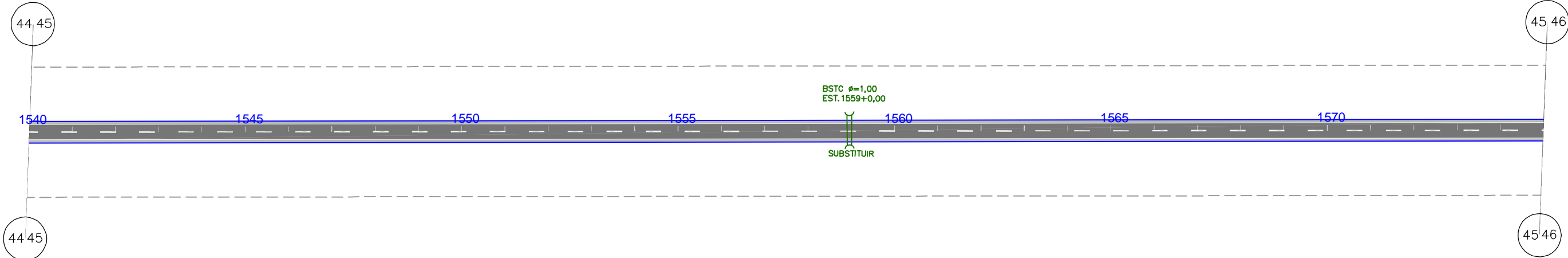
Terreno:	236,910	236,400	236,895	235,391	234,969	234,608	234,248	233,887	233,526	233,165	232,804	232,443	232,082	231,721	231,361	231,000	230,639	230,278	229,917	229,556	229,195	228,834	228,473	228,112	227,751	227,390	227,029	226,668	226,307	225,946	225,585	225,224	224,863	224,502	224,141	223,780	223,419	223,058	222,697	222,336	221,975	221,614	221,253	220,892	220,531	220,170	219,809	219,448	219,087	218,726	218,365	218,004	217,643	217,282	216,921	216,560	216,199	215,838	215,477	215,116	214,755	214,394	214,033	213,672	213,311	212,950	212,589	212,228	211,867	211,506	211,145	210,784	210,423	210,062	209,701	209,340	208,979	208,618	208,257	207,896	207,535	207,174	206,813	206,452	206,091	205,730	205,369	205,008	204,647	204,286	203,925	203,564	203,203	202,842	202,481	202,120	201,759	201,398	201,037	200,676	200,315	199,954	199,593	199,232	198,871	198,510	198,149	197,788	197,427	197,066	196,705	196,344	195,983	195,622	195,261	194,900	194,539	194,178	193,817	193,456	193,095	192,734	192,373	192,012	191,651	191,290	190,929	190,568	190,207	189,846	189,485	189,124	188,763	188,402	188,041	187,680	187,319	186,958	186,597	186,236	185,875	185,514	185,153	184,792	184,431	184,070	183,709	183,348	182,987	182,626	182,265	181,904	181,543	181,182	180,821	180,460	180,099	179,738	179,377	179,016	178,655	178,294	177,933	177,572	177,211	176,850	176,489	176,128	175,767	175,406	175,045	174,684	174,323	173,962	173,601	173,240	172,879	172,518	172,157	171,796	171,435	171,074	170,713	170,352	169,991	169,630	169,269	168,908	168,547	168,186	167,825	167,464	167,103	166,742	166,381	166,020	165,659	165,298	164,937	164,576	164,215	163,854	163,493	163,132	162,771	162,410	162,049	161,688	161,327	160,966	160,605	160,244	159,883	159,522	159,161	158,800	158,439	158,078	157,717	157,356	156,995	156,634	156,273	155,912	155,551	155,190	154,829	154,468	154,107	153,746	153,385	153,024	152,663	152,302	151,941	151,580	151,219	150,858	150,497	150,136	149,775	149,414	149,053	148,692	148,331	147,970	147,609	147,248	146,887	146,526	146,165	145,804	145,443	145,082	144,721	144,360	143,999	143,638	143,277	142,916	142,555	142,194	141,833	141,472	141,111	140,750	140,389	140,028	139,667	139,306	138,945	138,584	138,223	137,862	137,501	137,140	136,779	136,418	136,057	135,696	135,335	134,974	134,613	134,252	133,891	133,530	133,169	132,808	132,447	132,086	131,725	131,364	131,003	130,642	130,281	129,920	129,559	129,198	128,837	128,476	128,115	127,754	127,393	127,032	126,671	126,310	125,949	125,588	125,227	124,866	124,505	124,144	123,783	123,422	123,061	122,700	122,339	121,978	121,617	121,256	120,895	120,534	120,173	119,812	119,451	119,090	118,729	118,368	118,007	117,646	117,285	116,924	116,563	116,202	115,841	115,480	115,119	114,758	114,397	114,036	113,675	113,314	112,953	112,592	112,231	111,870	111,509	111,148	110,787	110,426	110,065	109,704	109,343	108,982	108,621	108,260	107,899	107,538	107,177	106,816	106,455	106,094	105,733	105,372	105,011	104,650	104,289	103,928	103,567	103,206	102,845	102,484	102,123	101,762	101,401	101,040	100,679	100,318	99,957	99,596	99,235	98,874	98,513	98,152	97,791	97,430	97,069	96,708	96,347	95,986	95,625	95,264	94,903	94,542	94,181	93,820	93,459	93,098	92,737	92,376	92,015	91,654	91,293	90,932	90,571	90,210	89,849	89,488	89,127	88,766	88,405	88,044	87,683	87,322	86,961	86,600	86,239	85,878	85,517	85,156	84,795	84,434	84,073	83,712	83,351	82,990	82,629	82,268	81,907	81,546	81,185	80,824	80,463	80,102	79,741	79,380	79,019	78,658	78,297	77,936	77,575	77,214	76,853	76,492	76,131	75,770	75,409	75,048	74,687	74,326	73,965	73,604	73,243	72,882	72,521	72,160	71,799	71,438	71,077	70,716	70,355	69,994	69,633	69,272	68,911	68,550	68,189	67,828	67,467	67,106	66,745	66,384	66,023	65,662	65,301	64,940	64,579	64,218	63,857	63,496	63,135	62,774	62,413	62,052	61,691	61,330	60,969	60,608	60,247	59,886	59,525	59,164	58,803	58,442	58,081	57,720	57,359	56,998	56,637	56,276	55,915	55,554	55,193	54,832	54,471	54,110	53,749	53,388	53,027	52,666	52,305	51,944	51,583	51,222	50,861	50,500	50,139	49,778	49,417	49,056	48,695	48,334	47,973	47,612	47,251	46,890	46,529	46,168	45,807	45,446	45,085	44,724	44,363	44,002	43,641	43,280	42,919	42,558	42,197	41,836	41,475	41,114	40,753	40,392	40,031	39,670	39,309	38,948	38,587	38,226	37,865	37,504	37,143	36,782	36,421	36,060	35,699	35,338	34,977	34,616	34,255	33,894	33,533	33,172	32,811	32,450	32,089	31,728	31,367	31,006	30,645	30,284	29,923	29,562	29,201	28,840	28,479	28,118	27,757	27,396	27,035	26,674	26,313	25,952	25,591	25,230	24,869	24,508	24,147	23,786	23,425	23,064	22,703	22,342	21,981	21,620	21,259	20,898	20,537	20,176	19,815	19,454	19,093	18,732	18,371	18,010	17,649	17,288	16,927	16,566	16,205	15,844	15,483	15,122	14,761	14,400	14,039	13,678	13,317	12,956	12,595	12,234	11,873	11,512	11,151	10,790	10,429	10,068	9,707	9,346	8,985	8,624	8,263	7,902	7,541	7,180	6,819	6,458	6,097	5,736	5,375	5,014	4,653	4,292	3,931	3,570	3,209	2,848	2,487	2,126	1,765	1,404	1,043	682	321	280	240	200	160	120	80	40	0	40	80	120	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040	1080	1120	1160	1200	1240	1280	1320	1360	1400	1440	1480	1520	1560	1600	1640	1680	1720	1760	1800	1840	1880	1920	1960	2000	2040	2080	2120	2160	2200	2240	2280	2320	2360	2400	2440	2480	2520	2560	2600	2640	2680	2720	2760	2800	2840	2880	2920	2960	3000	3040	3080	3120	3160	3200	3240	3280	3320	3360	3400	3440	3480	3520	3560	3600	3640	3680	3720	3760	3800	3840	3880	3920	3960	4000	4040	4080	4120	4160	4200	4240	4280	4320	4360	4400	4440	4480	4520	4560	4600	4640	4680	4720	4760	4800	4840	4880	4920	4960	5000	5040	5080	5120	5160	5200	5240	5280	5320	5360	5400	5440	5480	5520	5560	5600	5640	5680	5720	5760	5800	5840	5880	5920	5960	6000	6040	6080	6120	6160	6200	6240	6280	6320	6360	6400	6440	6480	6520	6560	6600	6640	6680	6720	6760	6800	6840	6880	6920	6960	7000	7040	7080	7120	7160	7200	7240	7280	7320	7360	7400	7440	7480	7520	7560	7600	7640	7680	7720	7760	7800	7840	7880	7920	7960	8000	8040	8080	8120	8160	8200	8240	8280	8320	8360	8400	8440	8480	8520	8560	8600	8640	8680	8720	8760	8800	8840	8880	8920	8960	9000	9040	9080	9120	9160	9200	9240	9280	9320	9360	9400	9440	9480	9520	9560	9600	9640	9680	9720	9760	9800	9840	9880	9920	9960	10000
Projeto	237,281	236,759	236,237	235,715	235,211	234,743	234,311	233,915	233,555	233,231	232,925	232,619	232,313	232,007	231,701	231,395	231,089	230,783	230,477	230,171	229,865	229,559	229,253	228,947	228,641	228,335	228,029	227,735	227,464	227,217	226,994	226,795	226,619	226,455	226,291	226,127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

REVESTIMENTO CBUQ 	POSTE 	EM PLANTA BUEIRO 	EM PERFIL 	CURVA DE NIVEL 	TERRENO NATURAL 	GREIDE 	NORTE 	ESCALA GRÁFICA HORIZONTAL 	VERTICAL
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GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
PROJETO GEOMÉTRICO		DES.:



Terreno:	226,044	225,869	225,694	225,519	225,343	225,168	224,993	224,818	224,643	224,467	224,292	224,117	223,942	223,741	223,536	223,331	223,127	222,922	222,717	222,512	222,307	222,102	219,897	219,692	219,487	219,282	219,077	218,872	218,667	218,462	218,257	218,052	217,847	217,642	217,437	217,232	217,027	216,822	216,617	216,412	216,207	216,002	215,797	215,592	215,387	215,182	214,977	214,772	214,567	214,362	214,157	213,952	213,747	213,542	213,337	213,132	212,927	212,722	212,517	212,312	212,107	211,902	211,697	211,492	211,287	211,082	210,877	210,672	210,467	210,262	210,057	209,852	209,647	209,442	209,237	209,032	208,827	208,622	208,417	208,212	208,007	207,802	207,597	207,392	207,187	206,982	206,777	206,572	206,367	206,162	205,957	205,752	205,547	205,342	205,137	204,932	204,727	204,522	204,317	204,112	203,907	203,702	203,497	203,292	203,087	202,882	202,677	202,472	202,267	202,062	201,857	201,652	201,447	201,242	201,037	200,832	200,627	200,422	200,217	200,012	199,807	199,602	199,397	199,192	198,987	198,782	198,577	198,372	198,167	197,962	197,757	197,552	197,347	197,142	196,937	196,732	196,527	196,322	196,117	195,912	195,707	195,502	195,297	195,092	194,887	194,682	194,477	194,272	194,067	193,862	193,657	193,452	193,247	193,042	192,837	192,632	192,427	192,222	192,017	191,812	191,607	191,402	191,197	190,992	190,787	190,582	190,377	190,172	189,967	189,762	189,557	189,352	189,147	188,942	188,737	188,532	188,327	188,122	187,917	187,712	187,507	187,302	187,097	186,892	186,687	186,482	186,277	186,072	185,867	185,662	185,457	185,252	185,047	184,842	184,637	184,432	184,227	184,022	183,817	183,612	183,407	183,202	182,997	182,792	182,587	182,382	182,177	181,972	181,767	181,562	181,357	181,152	180,947	180,742	180,537	180,332	180,127	179,922	179,717	179,512	179,307	179,102	178,897	178,692	178,487	178,282	178,077	177,872	177,667	177,462	177,257	177,052	176,847	176,642	176,437	176,232	176,027	175,822	175,617	175,412	175,207	175,002	174,797	174,592	174,387	174,182	173,977	173,772	173,567	173,362	173,157	172,952	172,747	172,542	172,337	172,132	171,927	171,722	171,517	171,312	171,107	170,902	170,697	170,492	170,287	170,082	169,877	169,672	169,467	169,262	169,057	168,852	168,647	168,442	168,237	168,032	167,827	167,622	167,417	167,212	167,007	166,802	166,597	166,392	166,187	165,982	165,777	165,572	165,367	165,162	164,957	164,752	164,547	164,342	164,137	163,932	163,727	163,522	163,317	163,112	162,907	162,702	162,497	162,292	162,087	161,882	161,677	161,472	161,267	161,062	160,857	160,652	160,447	160,242	160,037	159,832	159,627	159,422	159,217	159,012	158,807	158,602	158,397	158,192	157,987	157,782	157,577	157,372	157,167	156,962	156,757	156,552	156,347	156,142	155,937	155,732	155,527	155,322	155,117	154,912	154,707	154,502	154,297	154,092	153,887	153,682	153,477	153,272	153,067	152,862	152,657	152,452	152,247	152,042	151,837	151,632	151,427	151,222	151,017	150,812	150,607	150,402	150,197	149,992	149,787	149,582	149,377	149,172	148,967	148,762	148,557	148,352	148,147	147,942	147,737	147,532	147,327	147,122	146,917	146,712	146,507	146,302	146,097	145,892	145,687	145,482	145,277	145,072	144,867	144,662	144,457	144,252	144,047	143,842	143,637	143,432	143,227	143,022	142,817	142,612	142,407	142,202	141,997	141,792	141,587	141,382	141,177	140,972	140,767	140,562	140,357	140,152	139,947	139,742	139,537	139,332	139,127	138,922	138,717	138,512	138,307	138,102	137,897	137,692	137,487	137,282	137,077	136,872	136,667	136,462	136,257	136,052	135,847	135,642	135,437	135,232	135,027	134,822	134,617	134,412	134,207	134,002	133,797	133,592	133,387	133,182	132,977	132,772	132,567	132,362	132,157	131,952	131,747	131,542	131,337	131,132	130,927	130,722	130,517	130,312	130,107	129,902	129,697	129,492	129,287	129,082	128,877	128,672	128,467	128,262	128,057	127,852	127,647	127,442	127,237	127,032	126,827	126,622	126,417	126,212	126,007	125,802	125,597	125,392	125,187	124,982	124,777	124,572	124,367	124,162	123,957	123,752	123,547	123,342	123,137	122,932	122,727	122,522	122,317	122,112	121,907	121,702	121,497	121,292	121,087	120,882	120,677	120,472	120,267	120,062	119,857	119,652	119,447	119,242	119,037	118,832	118,627	118,422	118,217	118,012	117,807	117,602	117,397	117,192	116,987	116,782	116,577	116,372	116,167	115,962	115,757	115,552	115,347	115,142	114,937	114,732	114,527	114,322	114,117	113,912	113,707	113,502	113,297	113,092	112,887	112,682	112,477	112,272	112,067	111,862	111,657	111,452	111,247	111,042	110,837	110,632	110,427	110,222	110,017	109,812	109,607	109,402	109,197	108,992	108,787	108,582	108,377	108,172	107,967	107,762	107,557	107,352	107,147	106,942	106,737	106,532	106,327	106,122	105,917	105,712	105,507	105,302	105,097	104,892	104,687	104,482	104,277	104,072	103,867	103,662	103,457	103,252	103,047	102,842	102,637	102,432	102,227	102,022	101,817	101,612	101,407	101,202	100,997	100,792	100,587	100,382	100,177	99,972	99,767	99,562	99,357	99,152	98,947	98,742	98,537	98,332	98,127	97,922	97,717	97,512	97,307	97,102	96,897	96,692	96,487	96,282	96,077	95,872	95,667	95,462	95,257	95,052	94,847	94,642	94,437	94,232	94,027	93,822	93,617	93,412	93,207	93,002	92,797	92,592	92,387	92,182	91,977	91,772	91,567	91,362	91,157	90,952	90,747	90,542	90,337	90,132	89,927	89,722	89,517	89,312	89,107	88,902	88,697	88,492	88,287	88,082	87,877	87,672	87,467	87,262	87,057	86,852	86,647	86,442	86,237	86,032	85,827	85,622	85,417	85,212	85,007	84,802	84,597	84,392	84,187	83,982	83,777	83,572	83,367	83,162	82,957	82,752	82,547	82,342	82,137	81,932	81,727	81,522	81,317	81,112	80,907	80,702	80,497	80,292	80,087	79,882	79,677	79,472	79,267	79,062	78,857	78,652	78,447	78,242	78,037	77,832	77,627	77,422	77,217	77,012	76,807	76,602	76,397	76,192	75,987	75,782	75,577	75,372	75,167	74,962	74,757	74,552	74,347	74,142	73,937	73,732	73,527	73,322	73,117	72,912	72,707	72,502	72,297	72,092	71,887	71,682	71,477	71,272	71,067	70,862	70,657	70,452	70,247	70,042	69,837	69,632	69,427	69,222	69,017	68,812	68,607	68,402	68,197	67,992	67,787	67,582	67,377	67,172	66,967	66,762	66,557	66,352	66,147	65,942	65,737	65,532	65,327	65,122	64,917	64,712	64,507	64,302	64,097	63,892	63,687	63,482	63,277	63,072	62,867	62,662	62,457	62,252	62,047	61,842	61,637	61,432	61,227	61,022	60,817	60,612	60,407	60,202	59,997	59,792	59,587	59,382	59,177	58,972	58,767	58,562	58,357	58,152	57,947	57,742	57,537	57,332	57,127	56,922	56,717	56,512	56,307	56,102	55,897	55,692	55,487	55,282	55,077	54,872	54,667	54,462	54,257	54,052	53,847	53,642	53,437	53,232	53,027	52,822	52,617	52,412	52,207	52,002	51,797	51,592	51,387	51,182	50,977	50,772	50,567	50,362	50,157	49,952	49,747	49,542	49,337	49,132	48,927	48,722	48,517	48,312	48,107	47,902	47,697	47,492	47,287	47,082	46,877	46,672	46,467	46,262	46,057	45,852	45,647	45,442	45,237	45,032	44,827	44,622	44,417	44,212	44,007	43,802	43,597	43,392	43,187	42,982	42,777	42,572	42,367	42,162	41,957	41,752	41,547	41,342	41,137	40,932	40,727	40,522	40,317	40,112	39,907	39,702	39,497	39,292	39,087	38,882	38,677	38,472	38,267	38,062	37,857	37,652	37,447	37,242	37,037	36,832	36,627	36,422	36,217	36,012	35,807	35,602	35,397	35,192	34,987	34,782	34,577	34,372	34,167	33,962	33,757	33,552	33,347	33,142	32,937	32,732	32,527	32,322	32,117	31,912	31,707	31,502	31,297	31,092	30,887	30,682	30,477	30,272	30,067	29,862	29,657	29,452	29,247	29,042	28,837	28,632	28,427	28,222	28,017	27,812	27,607	27,402	27,197	26,992	26,787	26,582	26,377	26,172	25,967	25,762	25,557	25,352	25,147	24,942	24,737	24,532	24,327	24,122	23,917	23,712	23,507	23,302	23,097	22,892	22,687	22,482	22,277	22,072	21,867	21,662	21,457	21,252	21,047	20,842	20,637	20,432	20,227	20,022	19,817	19,612	19,407	19,202	18,997	18,792	18,587	18,382	18,177	17,972	17,767	17,562	17,357	17,152	16,947	16,742	16,537	16,332	16,127	15,922	15,717	15,512	15,307	15,102	14,897	14,692	14,487	14,282	14,077	13,872	13,667	13,462	13,257	13,052	12,847	12,642	12,437	12,232	12,027	11,822	11,6
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Terreno:	215,518	215,167	214,815	214,464	214,112	213,761	213,409	213,057	212,706	212,354	212,003	211,657	211,400	211,143	210,887	210,630	210,373	210,117	209,860	209,603	209,347	209,090	208,833	208,576	208,320	208,063	207,807	207,550	207,294	207,037	206,781	206,524	206,268	206,011	205,755	205,498	205,242	204,985	204,729	204,472	204,216	203,959	203,703	203,446	203,190	202,933	202,677	202,420	202,164	201,907	201,651	201,394	201,138	200,881	200,625	200,368	200,112	199,855	199,599	199,342	199,086	198,829	198,573	198,316	198,060	197,803	197,547	197,290	197,034	196,777	196,521	196,264	196,008	195,751	195,495	195,238	194,982	194,725	194,469	194,212	193,956	193,699	193,443	193,186	192,930	192,673	192,417	192,160	191,904	191,647	191,391	191,134	190,878	190,621	190,365	190,108	189,852	189,595	189,339	189,082	188,826	188,569	188,313	188,056	187,800	187,543	187,287	187,030	186,774	186,517	186,261	186,004	185,748	185,491	185,235	184,978	184,722	184,465	184,209	183,952	183,696	183,439	183,183	182,926	182,670	182,413	182,157	181,900	181,644	181,387	181,131	180,874	180,618	180,361	180,105	179,848	179,592	179,335	179,079	178,822	178,566	178,309	178,053	177,796	177,540	177,283	177,027	176,770	176,514	176,257	176,001	175,744	175,488	175,231	174,975	174,718	174,462	174,205	173,949	173,692	173,436	173,179	172,923	172,666	172,410	172,153	171,897	171,640	171,384	171,127	170,871	170,614	170,358	170,101	169,845	169,588	169,332	169,075	168,819	168,562	168,306	168,049	167,793	167,536	167,280	167,023	166,767	166,510	166,254	165,997	165,741	165,484	165,228	164,971	164,715	164,458	164,202	163,945	163,689	163,432	163,176	162,919	162,663	162,406	162,150	161,893	161,637	161,380	161,124	160,867	160,611	160,354	160,098	159,841	159,585	159,328	159,072	158,815	158,559	158,302	158,046	157,789	157,533	157,276	157,020	156,763	156,507	156,250	155,994	155,737	155,481	155,224	154,968	154,711	154,455	154,198	153,942	153,685	153,429	153,172	152,916	152,659	152,403	152,146	151,890	151,633	151,377	151,120	150,864	150,607	150,351	150,094	149,838	149,581	149,325	149,068	148,812	148,555	148,299	148,042	147,786	147,529	147,273	147,016	146,760	146,503	146,247	145,990	145,734	145,477	145,221	144,964	144,708	144,451	144,195	143,938	143,682	143,425	143,169	142,912	142,656	142,399	142,143	141,886	141,630	141,373	141,117	140,860	140,604	140,347	140,091	139,834	139,578	139,321	139,065	138,808	138,552	138,295	138,039	137,782	137,526	137,269	137,013	136,756	136,500	136,243	135,987	135,730	135,474	135,217	134,961	134,704	134,448	134,191	133,935	133,678	133,422	133,165	132,909	132,652	132,396	132,139	131,883	131,626	131,370	131,113	130,857	130,600	130,344	130,087	129,831	129,574	129,318	129,061	128,805	128,548	128,292	128,035	127,779	127,522	127,266	127,009	126,753	126,496	126,240	125,983	125,727	125,470	125,214	124,957	124,701	124,444	124,188	123,931	123,675	123,418	123,162	122,905	122,649	122,392	122,136	121,879	121,623	121,366	121,110	120,853	120,597	120,340	120,084	119,827	119,571	119,314	119,058	118,801	118,545	118,288	118,032	117,775	117,519	117,262	117,006	116,749	116,493	116,236	115,980	115,723	115,467	115,210	114,954	114,697	114,441	114,184	113,928	113,671	113,415	113,158	112,902	112,645	112,389	112,132	111,876	111,619	111,363	111,106	110,850	110,593	110,337	110,080	109,824	109,567	109,311	109,054	108,798	108,541	108,285	108,028	107,772	107,515	107,259	107,002	106,746	106,489	106,233	105,976	105,720	105,463	105,207	104,950	104,694	104,437	104,181	103,924	103,668	103,411	103,155	102,898	102,642	102,385	102,129	101,872	101,616	101,359	101,103	100,846	100,590	100,333	100,077	99,820	99,564	99,307	99,051	98,794	98,538	98,281	98,025	97,768	97,512	97,255	97,000	96,743	96,486	96,230	95,973	95,717	95,460	95,204	94,947	94,691	94,434	94,178	93,921	93,665	93,408	93,152	92,895	92,639	92,382	92,126	91,869	91,613	91,356	91,100	90,843	90,587	90,330	90,074	89,817	89,561	89,304	89,048	88,791	88,535	88,278	88,022	87,765	87,509	87,252	87,000	86,743	86,486	86,230	85,973	85,717	85,460	85,204	84,947	84,691	84,434	84,178	83,921	83,665	83,408	83,152	82,895	82,639	82,382	82,126	81,869	81,613	81,356	81,100	80,843	80,587	80,330	80,074	79,817	79,561	79,304	79,048	78,791	78,535	78,278	78,022	77,765	77,509	77,252	77,000	76,743	76,486	76,230	75,973	75,717	75,460	75,204	74,947	74,691	74,434	74,178	73,921	73,665	73,408	73,152	72,895	72,639	72,382	72,126	71,869	71,613	71,356	71,100	70,843	70,587	70,330	70,074	69,817	69,561	69,304	69,048	68,791	68,535	68,278	68,022	67,765	67,509	67,252	67,000	66,743	66,486	66,230	65,973	65,717	65,460	65,204	64,947	64,691	64,434	64,178	63,921	63,665	63,408	63,152	62,895	62,639	62,382	62,126	61,869	61,613	61,356	61,100	60,843	60,587	60,330	60,074	59,817	59,561	59,304	59,048	58,791	58,535	58,278	58,022	57,765	57,509	57,252	57,000	56,743	56,486	56,230	55,973	55,717	55,460	55,204	54,947	54,691	54,434	54,178	53,921	53,665	53,408	53,152	52,895	52,639	52,382	52,126	51,869	51,613	51,356	51,100	50,843	50,587	50,330	50,074	49,817	49,561	49,304	49,048	48,791	48,535	48,278	48,022	47,765	47,509	47,252	47,000	46,743	46,486	46,230	45,973	45,717	45,460	45,204	44,947	44,691	44,434	44,178	43,921	43,665	43,408	43,152	42,895	42,639	42,382	42,126	41,869	41,613	41,356	41,100	40,843	40,587	40,330	40,074	39,817	39,561	39,304	39,048	38,791	38,535	38,278	38,022	37,765	37,509	37,252	37,000	36,743	36,486	36,230	35,973	35,717	35,460	35,204	34,947	34,691	34,434	34,178	33,921	33,665	33,408	33,152	32,895	32,639	32,382	32,126	31,869	31,613	31,356	31,100	30,843	30,587	30,330	30,074	29,817	29,561	29,304	29,048	28,791	28,535	28,278	28,022	27,765	27,509	27,252	27,000	26,743	26,486	26,230	25,973	25,717	25,460	25,204	24,947	24,691	24,434	24,178	23,921	23,665	23,408	23,152	22,895	22,639	22,382	22,126	21,869	21,613	21,356	21,100	20,843	20,587	20,330	20,074	19,817	19,561	19,304	19,048	18,791	18,535	18,278	18,022	17,765	17,509	17,252	17,000	16,743	16,486	16,230	15,973	15,717	15,460	15,204	14,947	14,691	14,434	14,178	13,921	13,665	13,408	13,152	12,895	12,639	12,382	12,126	11,869	11,613	11,356	11,100	10,843	10,587	10,330	10,074	9,817	9,561	9,304	9,048	8,791	8,535	8,278	8,022	7,765	7,509	7,252	7,000	6,743	6,486	6,230	5,973	5,717	5,460	5,204	4,947	4,691	4,434	4,178	3,921	3,665	3,408	3,152	2,895	2,639	2,382	2,126	1,869	1,613	1,356	1,100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408	152	895	639	382	126	869	613	356	100	843	587	330	74	17	61	304	48	791	535	278	22	765	509	252	000	743	486	230	973	717	460	204	947	691	434	178	921	665	408
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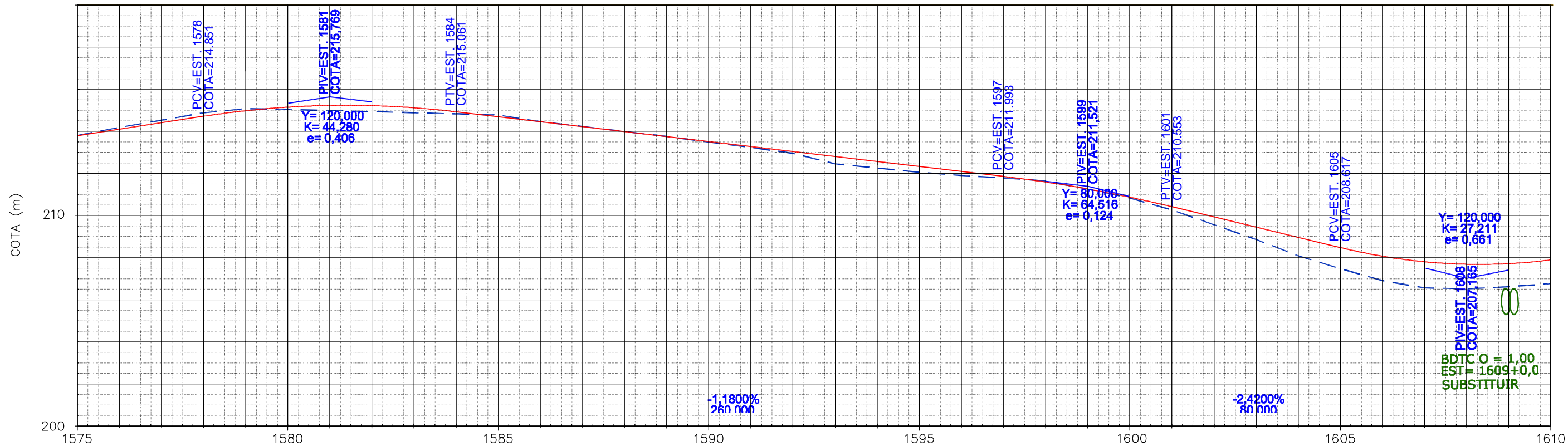
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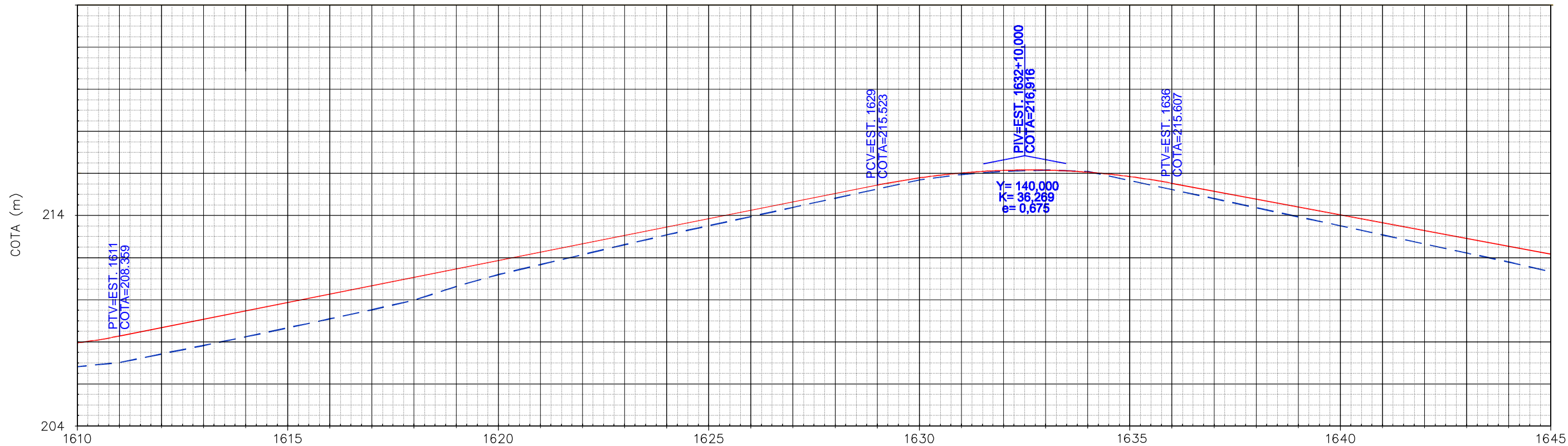
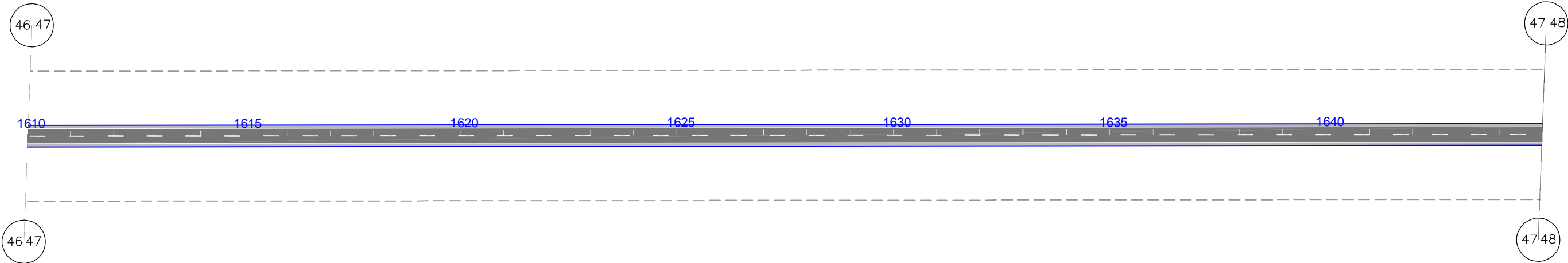
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Terreno:	213,939	214,317	214,665	215,013	215,213	215,169	215,124	215,070	215,017	214,963	214,909	214,856	214,802	214,748	214,698	214,645	214,591	214,537	214,483	214,429	214,375	214,321	214,267	214,213	214,159	214,105	214,051	213,997	213,943	213,889	213,835	213,781	213,727	213,673	213,619	213,565	213,511	213,457	213,403	213,349	213,295	213,241	213,187	213,133	213,079	213,025	212,971	212,917	212,863	212,809	212,755	212,701	212,647	212,593	212,539	212,485	212,431	212,377	212,323	212,269	212,215	212,161	212,107	212,053	211,999	211,945	211,891	211,837	211,783	211,729	211,675	211,621	211,567	211,513	211,459	211,405	211,351	211,297	211,243	211,189	211,135	211,081	211,027	210,973	210,919	210,865	210,811	210,757	210,703	210,649	210,595	210,541	210,487	210,433	210,379	210,325	210,271	210,217	210,163	210,109	210,055	210,001	209,947	209,893	209,839	209,785	209,731	209,677	209,623	209,569	209,515	209,461	209,407	209,353	209,299	209,245	209,191	209,137	209,083	209,029	208,975	208,921	208,867	208,813	208,759	208,705	208,651	208,597	208,543	208,489	208,435	208,381	208,327	208,273	208,219	208,165	208,111	208,057	208,003	207,949	207,895	207,841	207,787	207,733	207,679	207,625	207,571	207,517	207,463	207,409	207,355	207,301	207,247	207,193	207,139	207,085	207,031	206,977	206,923	206,869	206,815	206,761	206,707	206,653	206,599	206,545	206,491	206,437	206,383	206,329	206,275	206,221	206,167	206,113	206,059	206,005	205,951	205,897	205,843	205,789	205,735	205,681	205,627	205,573	205,519	205,465	205,411	205,357	205,303	205,249	205,195	205,141	205,087	205,033	204,979	204,925	204,871	204,817	204,763	204,709	204,655	204,601	204,547	204,493	204,439	204,385	204,331	204,277	204,223	204,169	204,115	204,061	204,007	203,953	203,899	203,845	203,791	203,737	203,683	203,629	203,575	203,521	203,467	203,413	203,359	203,305	203,251	203,197	203,143	203,089	203,035	202,981	202,927	202,873	202,819	202,765	202,711	202,657	202,603	202,549	202,495	202,441	202,387	202,333	202,279	202,225	202,171	202,117	202,063	202,009	201,955	201,901	201,847	201,793	201,739	201,685	201,631	201,577	201,523	201,469	201,415	201,361	201,307	201,253	201,199	201,145	201,091	201,037	200,983	200,929	200,875	200,821	200,767	200,713	200,659	200,605	200,551	200,497	200,443	200,389	200,335	200,281	200,227	200,173	200,119	200,065	200,011	199,957	199,903	199,849	199,795	199,741	199,687	199,633	199,579	199,525	199,471	199,417	199,363	199,309	199,255	199,201	199,147	199,093	199,039	198,985	198,931	198,877	198,823	198,769	198,715	198,661	198,607	198,553	198,499	198,445	198,391	198,337	198,283	198,229	198,175	198,121	198,067	198,013	197,959	197,905	197,851	197,797	197,743	197,689	197,635	197,581	197,527	197,473	197,419	197,365	197,311	197,257	197,203	197,149	197,095	197,041	196,987	196,933	196,879	196,825	196,771	196,717	196,663	196,609	196,555	196,501	196,447	196,393	196,339	196,285	196,231	196,177	196,123	196,069	196,015	195,961	195,907	195,853	195,799	195,745	195,691	195,637	195,583	195,529	195,475	195,421	195,367	195,313	195,259	195,205	195,151	195,097	195,043	194,989	194,935	194,881	194,827	194,773	194,719	194,665	194,611	194,557	194,503	194,449	194,395	194,341	194,287	194,233	194,179	194,125	194,071	194,017	193,963	193,909	193,855	193,801	193,747	193,693	193,639	193,585	193,531	193,477	193,423	193,369	193,315	193,261	193,207	193,153	193,099	193,045	192,991	192,937	192,883	192,829	192,775	192,721	192,667	192,613	192,559	192,505	192,451	192,397	192,343	192,289	192,235	192,181	192,127	192,073	192,019	191,965	191,911	191,857	191,803	191,749	191,695	191,641	191,587	191,533	191,479	191,425	191,371	191,317	191,263	191,209	191,155	191,101	191,047	190,993	190,939	190,885	190,831	190,777	190,723	190,669	190,615	190,561	190,507	190,453	190,399	190,345	190,291	190,237	190,183	190,129	190,075	190,021	189,967	189,913	189,859	189,805	189,751	189,697	189,643	189,589	189,535	189,481	189,427	189,373	189,319	189,265	189,211	189,157	189,103	189,049	188,995	188,941	188,887	188,833	188,779	188,725	188,671	188,617	188,563	188,509	188,455	188,401	188,347	188,293	188,239	188,185	188,131	188,077	188,023	187,969	187,915	187,861	187,807	187,753	187,699	187,645	187,591	187,537	187,483	187,429	187,375	187,321	187,267	187,213	187,159	187,105	187,051	186,997	186,943	186,889	186,835	186,781	186,727	186,673	186,619	186,565	186,511	186,457	186,403	186,349	186,295	186,241	186,187	186,133	186,079	186,025	185,971	185,917	185,863	185,809	185,755	185,701	185,647	185,593	185,539	185,485	185,431	185,377	185,323	185,269	185,215	185,161	185,107	185,053	184,999	184,945	184,891	184,837	184,783	184,729	184,675	184,621	184,567	184,513	184,459	184,405	184,351	184,297	184,243	184,189	184,135	184,081	184,027	183,973	183,919	183,865	183,811	183,757	183,703	183,649	183,595	183,541	183,487	183,433	183,379	183,325	183,271	183,217	183,163	183,109	183,055	183,001	182,947	182,893	182,839	182,785	182,731	182,677	182,623	182,569	182,515	182,461	182,407	182,353	182,299	182,245	182,191	182,137	182,083	182,029	181,975	181,921	181,867	181,813	181,759	181,705	181,651	181,597	181,543	181,489	181,435	181,381	181,327	181,273	181,219	181,165	181,111	181,057	181,003	180,949	180,895	180,841	180,787	180,733	180,679	180,625	180,571	180,517	180,463	180,409	180,355	180,301	180,247	180,193	180,139	180,085	180,031	179,977	179,923	179,869	179,815	179,761	179,707	179,653	179,599	179,545	179,491	179,437	179,383	179,329	179,275	179,221	179,167	179,113	179,059	179,005	178,951	178,897	178,843	178,789	178,735	178,681	178,627	178,573	178,519	178,465	178,411	178,357	178,303	178,249	178,195	178,141	178,087	178,033	177,979	177,925	177,871	177,817	177,763	177,709	177,655	177,601	177,547	177,493	177,439	177,385	177,331	177,277	177,223	177,169	177,115	177,061	177,007	176,953	176,899	176,845	176,791	176,737	176,683	176,629	176,575	176,521	176,467	176,413	176,359	176,305	176,251	176,197	176,143	176,089	176,035	175,981	175,927	175,873	175,819	175,765	175,711	175,657	175,603	175,549	175,495	175,441	175,387	175,333	175,279	175,225	175,171	175,117	175,063	175,009	174,955	174,901	174,847	174,793	174,739	174,685	174,631	174,577	174,523	174,469	174,415	174,361	174,307	174,253	174,199	174,145	174,091	174,037	173,983	173,929	173,875	173,821	173,767	173,713	173,659	173,605	173,551	173,497	173,443	173,389	173,335	173,281	173,227	173,173	173,119	173,065	173,011	172,957	172,903	172,849	172,795	172,741	172,687	172,633	172,579	172,525	172,471	172,417	172,363	172,309	172,255	172,201	172,147	172,093	172,039	171,985	171,931	171,877	171,823	171,769	171,715	171,661	171,607	171,553	171,499	171,445	171,391	171,337	171,283	171,229	171,175	171,121	171,067	171,013	170,959	170,905	170,851	170,797	170,743	170,689	170,635	170,581	170,527	170,473	170,419	170,365	170,311	170,257	170,203	170,149	170,095	170,041	169,987	169,933	169,879	169,825	169,771	169,717	169,663	169,609	169,555	169,501	169,447	169,393	169,339	169,285	169,231	169,177	169,123	169,069	169,015	168,961	168,907	168,853	168,799	168,745	168,691	168,637	168,583	168,529	168,475	168,421	168,367	168,313	168,259	168,205	168,151	168,097	168,043	167,989	167,935	167,881	167,827	167,773	167,719	167,665	167,611	167,557	167,503	167,449	167,395	167,341	167,287	167,233	167,179	167,125	167,071	167,017	166,963	166,909	166,855	166,801	166,747	166,693	166,639	166,585	166,531	166,477	166,423	166,369	166,315	166,261	166,207	166,153	166,099	166,045	165,991	165,937	165,883	165,829	165,775	165,721	165,667	165,613	165,559	165,505	165,451	165,397	165,343	165,289	165,235	165,181	165,127	165,073	165,019	164,965	164,911	164,857	164,803	164,749	164,695	164,641	164,587	164,533	164,479	164,425	164,371	164,317	164,263	164,209	164,155	164,101	164,047	163,993	163,939	163,885	163,831	163,777	163,723	163,669	163,615	163,561	163,507	163,453	163,399	163,345	163,291	163,237	163,183	163,129	163,075	163,021	162,967	162,913	162,859	162,805	162,751	162,697	162,643	162,589	162,535	162,481	162,427
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Terreno:	206,903	207,102	207,507	207,911	208,321	208,749	209,177	209,605	210,063	210,712	211,278	211,751	212,223	212,695	213,160	213,595	214,031	214,466	214,902	215,337	215,773	216,208	216,643	216,599	216,169	215,739	215,309	214,879	214,448	214,018	213,588	213,158	212,727	212,297	211,867	211,408
Projeto	208,034	208,359	208,757	209,155	209,553	209,951	210,349	210,747	211,145	211,543	211,941	212,339	212,737	213,135	213,533	213,931	214,329	214,727	215,125	215,523	215,866	216,098	216,221	216,233	216,134	215,926	215,607	215,233	214,859	214,485	214,111	213,737	213,363	212,989	212,615	212,241

REVESTIMENTO 	POSTE 	EM PLANTA 	EM PERFIL 	CURVA DE NIVEL 	NORTE
EIXO LOCADO DO PROJ. 	CASA ALVENARIA 	BUEIRO 	PONTE PROJ. 	TERRENO NATURAL 	ESCALA GRÁFICA
F. DOMÍNIO DO EXIST. 				GREIDE 	

GOVERNO DO ESTADO DO PARÁ SECRETARIA DE ESTADO DE TRANSPORTES - SETRAN		
	RODOVIA: VICINAL VS - 53 TRECHO: CANAÃ DOS CARAJÁS - ENTRONC. BR 115 (POSTO 70) EXTENSÃO: 45,0 Km	
	PROJETO GEOMÉTRICO	
	DES.:	