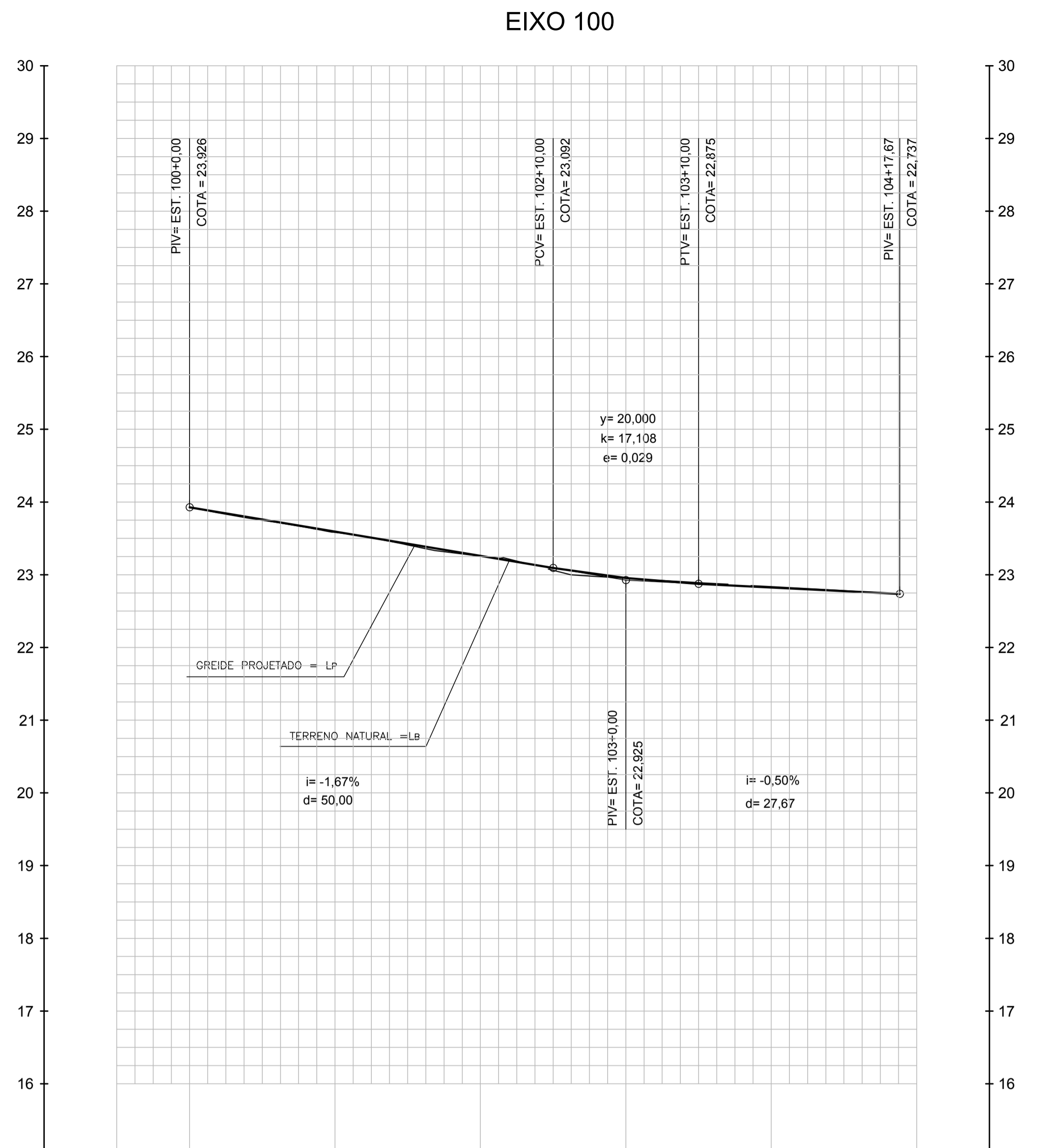


PLANTA
ESCALA 1:500



COTAS TERRENO/PROJETO	23.93 23.926	23.58 23.593	23.25 23.259	22.95 22.954	22.84 22.825	22.74 22.737
ESTAQUEAMENTO	100	101	102	103	104	

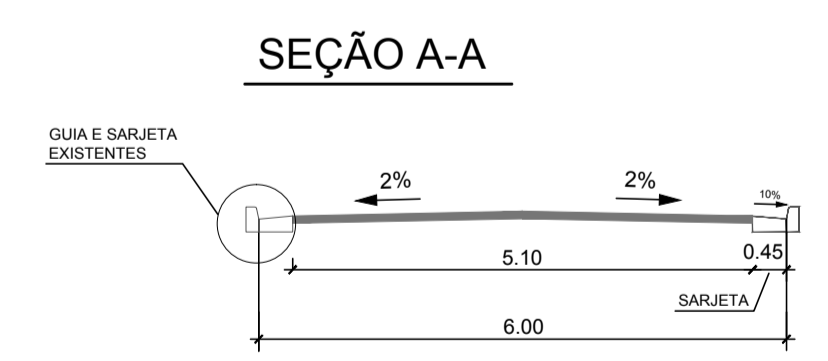
PERFIL LONGITUDINAL
ESCALAS: H=1:500
V=1:50

ELEMENTOS GEOMÉTRICOS DOS RAMOS E BORDO

NARIZES E BORDOS					
CURVA Nº	R (m)	PONTO	CC	PC	PT
01	1,000	N(y) E(x)	7287364,316 211599,965	7287364,856 211600,807	7287364,997 211599,233
02	93,000	N(y) E(x)	7287301,681 211667,351	7287364,997 211599,233	7287357,382 211592,877
03	1,000	N(y) E(x)	7287356,783 211593,677	7287357,382 211592,877	7287355,791 211593,806
04	27,000	N(y) E(x)	7287329,015 211597,281	7287355,791 211593,806	7287355,963 211595,605
05	1,000	N(y) E(x)	7287307,322 211539,734	7287306,637 211540,462	7287308,035 211540,436
06	1,000	N(y) E(x)	7287314,292 211532,661	7287315,004 211533,363	7287313,663 211531,883
07	30,000	N(y) E(x)	7287294,819 211508,540	7287313,663 211531,883	7287304,877 211536,803
08	1,000	N(y) E(x)	7287305,212 211537,745	7287304,877 211536,803	7287304,527 211538,473
09	10,000	N(y) E(x)	7287292,036 211548,687	7287298,894 211541,410	7287291,627 211538,695

TABELA DE CURVAS CIRCULARES												
RAMO	CURVA Nº	R (m)	D (m)	AC	T (m)	PC	PT	PONTO	PI	CC	PC	PT
RAMO 100	C-101	10,000	16,378	93°50'29,67"	10,694	100+15,46	101+11,83	N(y) E(x)	7287312,102 211545,613	7287326,743 211545,670	7287319,942 211538,339	7287319,884 211552,947
	C-102	100,000	16,065	9°12'16,29"	8,050	102+14,67	103+10,73	N(y) E(x)	7287342,357 211574,127	7287405,085 211495,833	7287336,499 211568,606	7287349,023 211578,640
	C-103	100,000	16,407	9°24'01,55"	8,222	104+01,26	104+17,67	N(y) E(x)	7287364,552 211589,153	7287301,681 211667,351	7287357,743 211584,544	7287370,516 211594,813

MELHORIA DE ACESSO



NOTAS:
1. MEDIDAS EM METRO, EXCETO ONDE INDICADO.

Agência Nacional de Transportes Terrestres

Autopista Régis Bittencourt
Grupo OHL

FIRMA PROJETISTA							Nº DESENHO ANTT: DE-06-116/SP-445-6-F04/501	REV. : 0	
	0	15/07/2011	ESTEBAN COMAS - CREA: 060120345-5		EMISSÃO INICIAL		LOCAL: km 445+600 - PISTA SUL		
	Nº INTERNO: COM-DE-06-116/SP-445-6-F04/501	REV. 0	REV.	DATA	RESP. TEC./PROJETISTA	RESP. TEC./CONCES.	RESP. TEC./ANTT	RODOVIA: BR-116 RÉGIS BITTENCOURT	TRECHO: SÃO PAULO - CURITIBA
							TÍTULO: PROJETO GEOMÉTRICO - PLANTA E PERFIL	ESCALA: 1:500	FOLHA: ÚNICA
							MELHORIA EM ACESSOS CENTRO - REGISTRO		