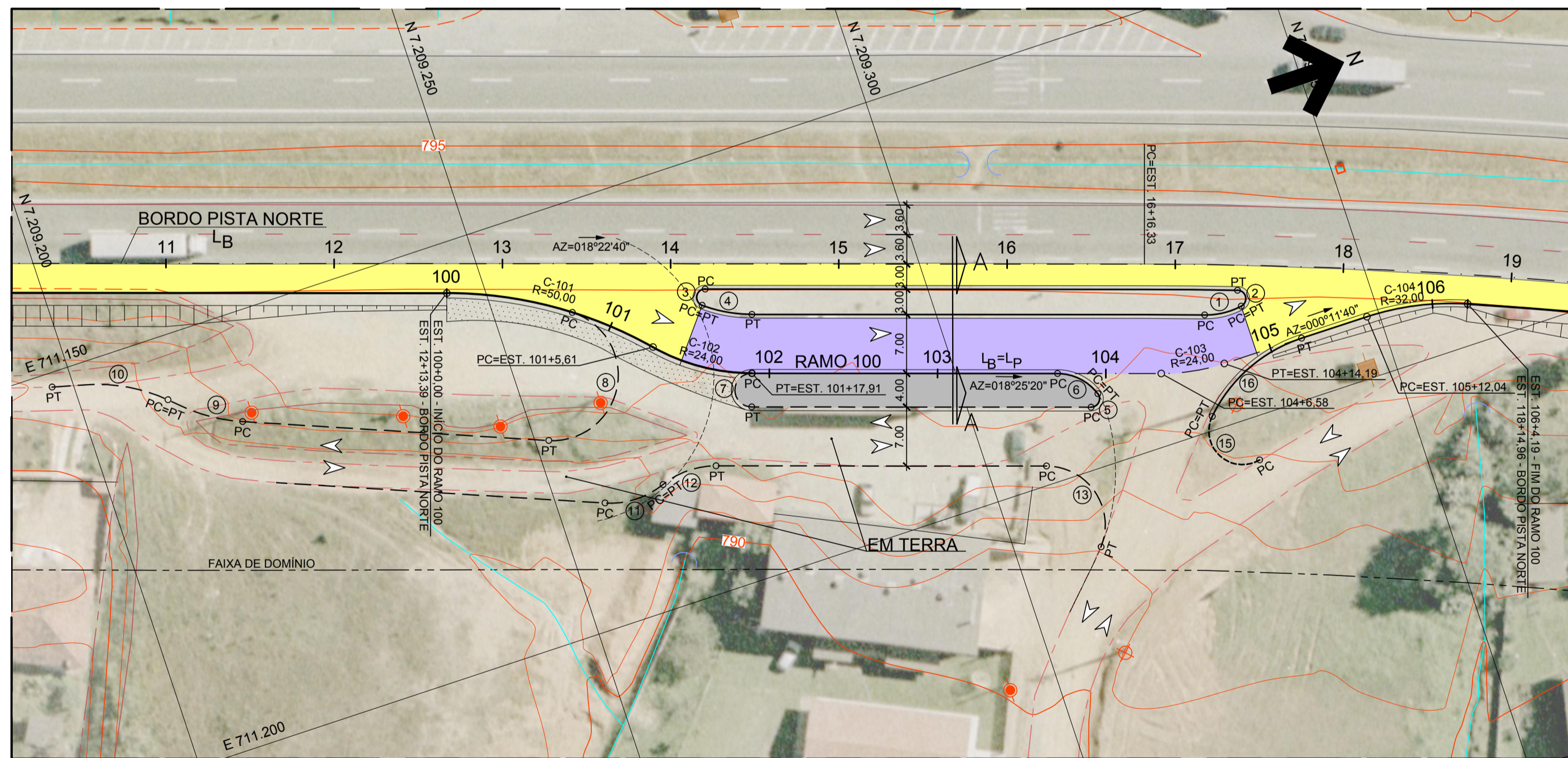
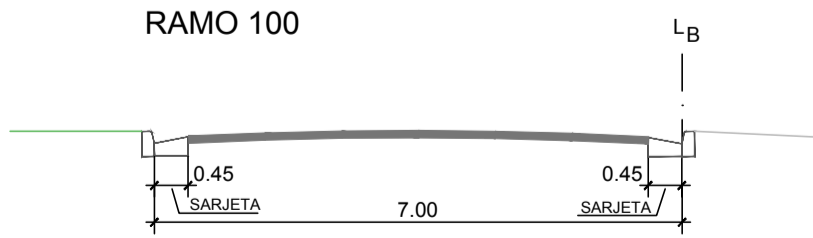


PLANTA GERAL
ESCALA 1:1000

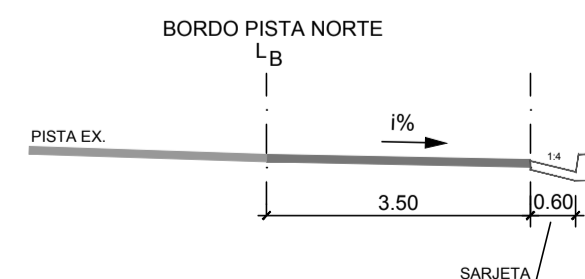


DETALHE A
ESCALA 1:500

SEÇÃO A-A
RAMO 100



SEÇÃO B-B
FAIXAS DE ACELERAÇÃO E DESACELERAÇÃO



ELEMENTOS GEOMÉTRICOS DOS RAMOS E BORDOS

CURVA Nº	R (m)	NARIZES E BORDOS			
		PONTO	CC	PC	PT
01	9,000	N(y) E(x)	7209333,216 711178,145	7209330,279 711186,653	7209334,737 711187,016
02	1,000	N(y) E(x)	7209334,568 711186,030	7209334,737 711187,016	7209334,900 711185,087
03	1,000	N(y) E(x)	7209274,551 711165,987	7209274,866 711165,038	7209273,925 711166,767
04	17,000	N(y) E(x)	7209284,564 711153,508	7209273,925 711166,767	7209279,204 711169,640
05	1,000	N(y) E(x)	7209314,325 711191,846	7209314,010 711192,795	7209315,274 711191,529
06	6,000	N(y) E(x)	7209309,593 711193,432	7209315,274 711191,529	7209311,475 711187,738
07	2,000	N(y) E(x)	7209276,367 711178,181	7209276,997 711176,283	7209275,736 711180,079
08	7,800	N(y) E(x)	7209254,463 711169,035	7209259,020 711162,705	7209251,556 711176,273
09	20,000	N(y) E(x)	7209225,170 711144,124	7209217,717 711162,684	7209211,523 711158,745
10	20,000	N(y) E(x)	7209196,474 711172,057	7209210,121 711157,436	7209201,484 711152,695
11	10,000	N(y) E(x)	7209259,302 711176,150	7209255,575 711185,430	7209262,821 711185,511
12	10,000	N(y) E(x)	7209266,340 711194,871	7209262,821 711185,511	7209269,492 711185,381
13	7,000	N(y) E(x)	7209304,573 711204,412	7209306,780 711197,769	7209309,922 711208,928
15	4,000	N(y) E(x)	7209330,220 711201,139	7209331,054 711205,051	7209327,348 711198,355
16	18,000	N(y) E(x)	7209340,272 711210,884	7209327,348 711198,355	7209340,333 711192,884

RAMO	CURVA Nº	R (m)	D (m)	AC	T (m)	TABELA DE CURVAS CIRCULARES						
						PC	PT	PONTO	PI	CC	PC	PT
BORDO PISTA NORTE	C-1	620,000	303,675	28°03'48,06"	154,947	16+16,33	31+20,00	N(y) E(x)	7209472,427 711227,511	7209129,909 711767,038	7209325,382 711178,659	7209579,202 711339,796
								N(y) E(x)	7209257,996 711159,960	7209229,805 711203,281	7209245,569 711155,832	7209266,804 711169,650
RAMO 100	C-101	50,000	25,615	29°21'08,52"	13,095	100+00,00	101+05,61	N(y) E(x)	7209257,996 711174,301	7209229,805 711153,508	7209245,569 711169,650	7209266,804 711176,283
	C-102	24,000	12,295	29°21'10,05"	6,286	101+05,61	101+17,91	N(y) E(x)	7209271,032 711174,301	7209284,564 711153,508	7209266,804 711169,650	7209276,997 711176,283
	C-103	24,000	7,617	18°10'59,32"	3,841	104+06,58	104+14,19	N(y) E(x)	7209326,828 711192,838	7209330,750 711168,851	7209323,184 711191,627	7209330,689 711192,851
	C-104	32,000	12,151	21°45'22,50"	6,150	105+12,04	106+04,19	N(y) E(x)	7209354,659 711192,933	7209348,401 711224,912	7209348,510 711192,912	7209360,363 711195,232

BORDO PISTA NORTE		
LINHA Nº	ESTACA	COORDENADA
INÍCIO	0+00,00	N(y) 7209006,0734 E(x) 711073,0348
	1	9+02,86
FIM	32+00,00	N(y) 7209579,2015 E(x) 711339,7961

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

MELHORIA DE ACESSO
TRATAMENTO PRIMÁRIO



FIRMA PROJETISTA										Nº DESENHO ANTT: DE-06-116/PR-047-8-F02/501	REV. : 1	
Comas engenharia	1	19/08/2011				REVISÃO GERAL				LOCAL: km 047+800 - PISTA NORTE		
	0	29/03/2011	ESTEBAN COMAS - CREA: 060120345-5			EMISSÃO INICIAL				RODOVIA: BR-116 RÉGIS BITTENCOURT	TRECHO: SÃO PAULO - CURITIBA	
Nº INTERNO: COM-06-116/PR-047-8-F02/501	REV. 1	REV.	DATA	RESP. TEC./PROJETISTA	RESP. TEC./CONCES.	RESP. TEC./ANTT	ASSUNTO	DOC. REFERÊNCIA		TÍTULO: PROJETO GEOMÉTRICO - PLANTA MELHORIA EM ACESSOS BAIRRO TERRA BOA - CAMPINA GDE. DO SUL	ESCALA: INDICADA	FOLHA: ÚNICA