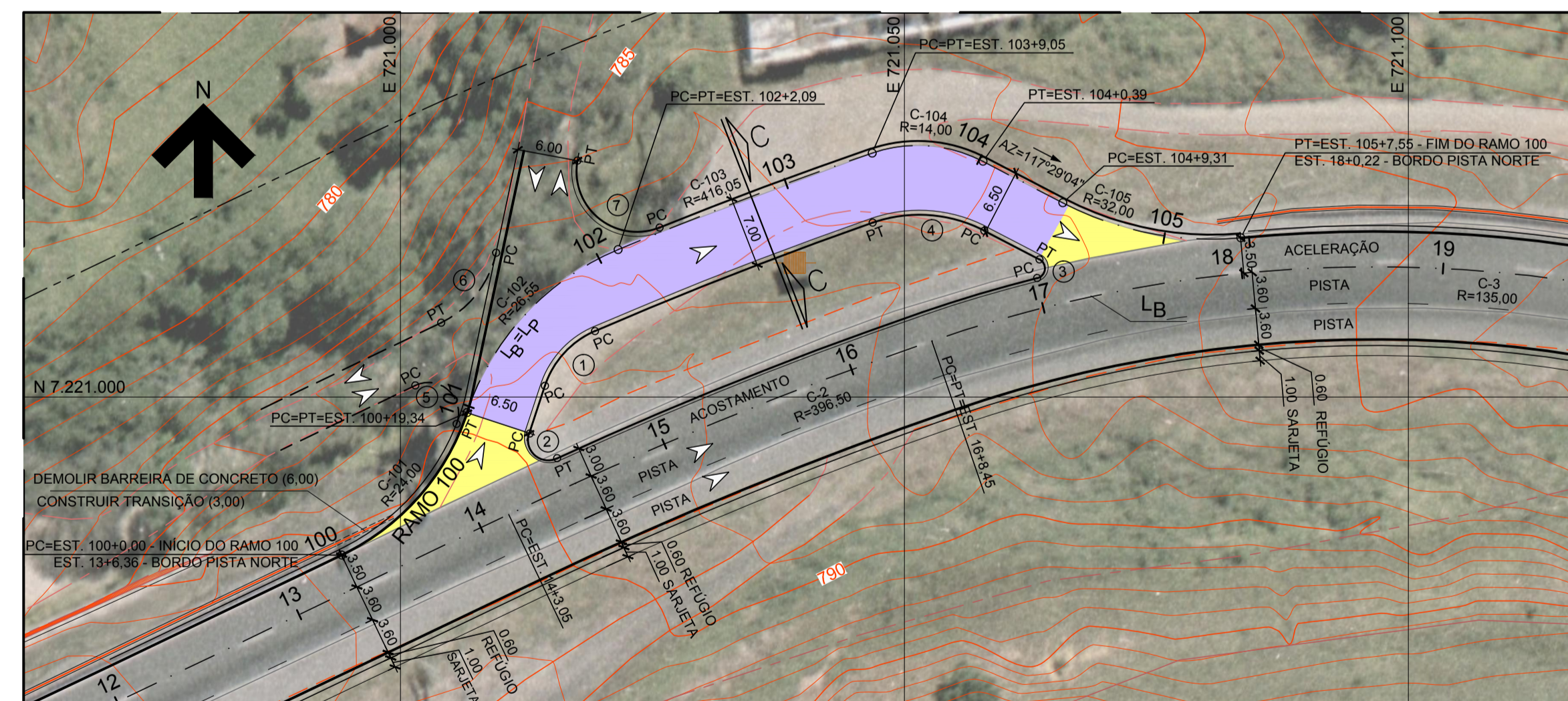


PLANTA GERAL
ESCALA 1:1000



DETALHE A
ESCALA 1:500

- MELHORIA DE ACESSO
- TRATAMENTO PRIMÁRIO


ELEMENTOS GEOMÉTRICOS DOS RAMOS E BORDO

TABELA DE CURVAS CIRCULARES												
RAMO	CURVA Nº	R (m)	D (m)	AC	T (m)	PC	PT	PONTO	PI	CC	PC	PT
BORDO PISTA NORTE	C-1	250,000	125,389	28°44'12,94"	64,042	1+18,18	8+03,56	N(y) E(x)	7220909,417 720845,052	7221162,676 720781,115	7220936,939 720902,879	
	C-2	396,500	45,400	6°33'37,82"	22,725	14+03,05	16+08,45	N(y) E(x)	7220998,167 721031,234	7220630,671 721181,816	7220988,362 721010,734	7221005,566 721052,721
	C-3	135,000	73,523	31°12'14,16"	37,698	16+08,45	20+01,97	N(y) E(x)	7221017,840 721088,365	7220877,922 721096,675	7221005,566 721052,721	7221009,872 721125,211
	C-4	130,000	81,410	35°52'49,74"	42,090	20+09,56	24+10,97	N(y) E(x)	7220999,371 721173,768	7220881,205 721105,151	7221008,267 721132,630	7220968,051 721201,886
RAMO 100	C-101	24,000	19,342	46°10'36,05"	10,231	100+00,00	100+19,34	N(y) E(x)	7220988,733 721003,399	7221005,969 720983,813	7220984,319 720994,169	7220998,449 721006,605
	C-102	26,550	22,747	49°05'16,67"	12,124	100+19,34	102+02,09	N(y) E(x)	7221009,962 721010,404	7220990,129 721031,817	7220998,449 721006,605	7221014,631 721021,593
	C-103	416,050	26,960	3°42'46,19"	13,485	102+02,09	103+09,05	N(y) E(x)	7221019,825 721034,038	7220630,671 721181,816	7221014,631 721046,793	7221024,201 721046,793
	C-104	14,000	11,343	46°25'19,11"	6,004	103+09,05	104+00,39	N(y) E(x)	7221026,149 721052,471	7221010,959 721051,336	7221024,201 721046,793	7221023,379 721057,797
	C-105	32,000	18,239	32°39'23,56"	9,375	104+9,31	105+07,55	N(y) E(x)	7221014,938 721074,023	7221047,652 721080,475	7221019,264 721067,706	7221015,783 721083,359


NARIZES E BORDOS					
CURVA Nº	R (m)	PONTO	CC	PC	PT
01	9,000	N(y)	7220998,280	7221006,541	7221001,100
		E(x)	721022,871	721019,299	721014,324
02	2,000	N(y)	7220995,717	7220996,344	7220993,899
		E(x)	721014,654	721012,755	721015,487
03	1,000	N(y)	7221012,763	7221011,793	7221013,650
		E(x)	721062,928	721063,170	721063,389
04	14,000	N(y)	7221004,072	7221016,492	7221017,290
		E(x)	721051,465	721057,926	721046,851
05	3,000	N(y)	7220998,445	7221001,149	7220997,338
		E(x)	721002,775	721001,475	721005,563
06	10,000	N(y)	7221016,383	7221014,302	7221007,370
		E(x)	720999,700	721009,482	721004,032
07	6,000	N(y)	7221022,372	7221023,452	7221016,810
		E(x)	721023,462	721017,560	721025,711
08	10,000	N(y)	7221031,409	7221027,483	7221021,557
		E(x)	721191,270	721200,467	721189,560
09	14,000	N(y)	7221007,763	7221021,557	7221011,247
		E(x)	721187,165	721189,560	721200,725
10	10,000	N(y)	7221013,735	7221011,247	7221017,228
		E(x)	721210,410	721200,725	721201,040

BORDO PISTA NORTE		
LINHA Nº	ESTACA	COORDENADA
	0+00,00	N(y) 7220915,2740 E(x) 720743,0022
1	12+01,16	N(y) 7220970,2888 E(x) 720972,9479
	FIM	N(y) 7220954,9681 E(x) 721213,6320

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



Agência Nacional de Transportes Terrestres



Autopista Régis Bittencourt
Grupo OHL

FIRMA PROJETISTA													
Comas engenharia	1	18/08/2011		REVISÃO GERAL									
	0	29/03/2011	ESTEBAN COMAS - CREA: 060120345-5	RESP. TEC./PROJETISTA	RESP. TEC./CONCES.	RESP. TEC./ANTT	ASSUNTO	DOC. REFERÊNCIA	Nº DESENHO ANTT: DE-06-116/PR-029-0-F02/501	LOCAL: km 29+000 - PISTA NORTE	REV. : 1		
Nº INTERNO: COM-DE-06-116/PR-029-0-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	RODOVIA: BR-116 RÉGIS BITTENCOURT	TRECHO: SÃO PAULO - CURITIBA	ESCALA: INDICADA	FOLHA: ÚNICA