

CURVA N°	CURVA CIRCULAR				COORDENADAS				
	R (m)	D (m)	T (m)	AC	PONTO	CC	PC	PI	PT
B1	64,550	2,229	1,115	1°58'42,91"	N	7461.535,9580	7461.581,5255	7461.580,7360	7461.579,9198
B2	10,450	9,130	4,879	50°3'24,07"	N	7461.587,0369	7461.579,9199	7461.576,3472	7461.576,6011
B3	15,450	2,844	1,426	10°32'52,01"	N	7461.580,8338	7461.591,7402	7461.590,7300	7461.589,2527
B4	16,050	13,549	7,208	48°22'7,86"	N	7461.594,4129	7461.585,3552	7461.579,4048	7461.578,4921
B5	67,050	6,831	3,418	5°50'12,77"	N	7461.535,9580	7461.558,9101	7461.555,6984	7461.552,3843
B6	10,450	19,595	14,235	10°26'9,03"	N	7461.580,8338	7461.591,7402	7461.590,7300	7461.589,2527
B7	2,250	6,278	12,676	159°52'11,52"	N	7461.535,9583	7461.537,5144	7461.530,8690	7461.533,3934
B8	4,950	8,039	5,221	93°2'59,70"	N	7461.525,1958	7461.530,0467	7461.529,0070	7461.523,9534
B9	74,550	13,754	6,896	10°34'13,54"	N	7461.429,9508	7461.463,7310	7461.457,5832	7461.450,9665
B10	75,450	12,783	6,407	9°42'24,83"	N	7461.469,8995	7461.448,7201	7461.442,5733	7461.436,8190
B11	20,450	14,467	7,551	40°31'59,81"	N	7461.533,8233	7461.535,0706	7461.538,2461	7461.531,1596
B12	149,000	30,607	15,357	11°46'9,53"	N	7461.453,3390	7461.500,3846	7461.514,9564	7461.528,2327
B13	50,450	12,119	6,089	13°45'49,97"	N	7461.571,8778	7461.604,6259	7461.609,2577	7461.612,8161
B14	49,553	10,893	5,468	12°35'41,01"	N	7461.653,0262	7461.612,8161	7461.616,0118	7461.620,0983

CURVA N°	CURVA CIRCULAR				COORDENADAS				
	R (m)	D (m)	T (m)	AC	PONTO	CC	PC	PI	PT
N1	0,500	1,034	0,840	118°28'16,04"	N	7461.577,6967	7461.578,0497	7461.577,4548	7461.577,2172
N2	0,500	1,481	5,571	169°44'34,41"	N	7461.577,4548	7461.577,0504	7461.577,3403	7461.578,0457
N3	1,000	1,938	1,456	111°12'36,59"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N4	1,000	2,127	1,800	121°53'31,78"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N5	0,500	1,213	1,336	138°57'42,22"	N	7461.568,2507	7461.568,2507	7461.566,9411	7461.568,1023
N6	1,000	1,940	1,460	111°10'6,42"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N7	0,500	1,088	0,953	124°39'2,72"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N8	0,500	1,222	1,374	140°07'20,20"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N9	1,000	2,285	2,189	130°54'12,80"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N10	1,000	2,211	1,992	126°40'56,03"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N11	0,500	1,314	1,908	150°37'37,39"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N12	0,500	1,528	1,178	175°8'32,42"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N13	1,000	2,267	2,140	129°54'19,58"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N14	1,000	2,306	2,252	132°6'26,75"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N15	1,000	2,094	1,731	119°57'33,05"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703
N16	0,500	1,201	1,291	137°39'26,62"	N	7461.571,7201	7461.572,7004	7461.573,0566	7461.571,3703

#P	COORDENADAS
1	N 7461.781.485
2	E 297.391.626
3	N 7461.754.773
4	E 297.332.711
5	N 7461.733.078
6	E 297.312.033
7	N 7461.702.916
8	E 297.288.477
9	N 7461.685.379
10	E 297.263.623

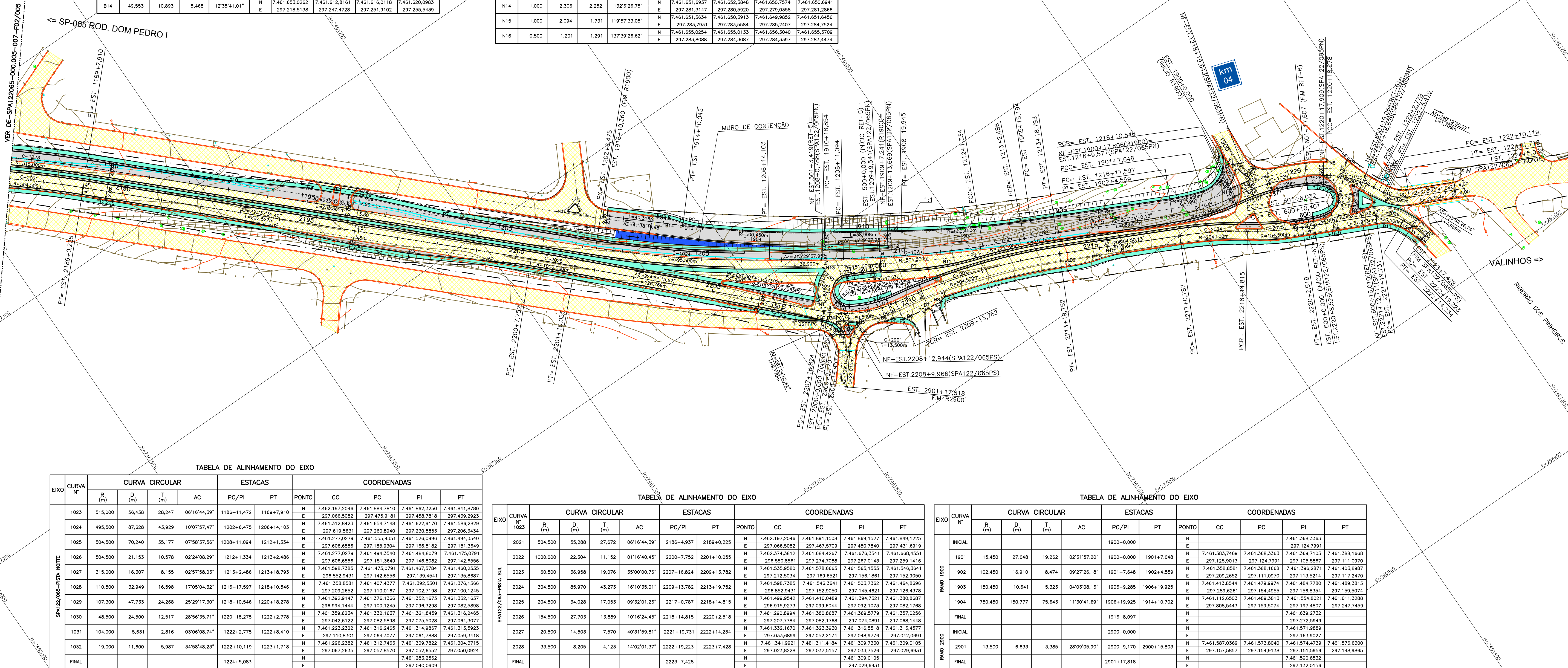


TABELA DE ALINHAMENTO DO EIXO												
EIXO	CURVA N°	CURVA CIRCULAR			ESTACAS			COORDENADAS				
		R (m)	D (m)	T (m)	AC	PC/PI	PT	PONTO	CC	PC	PI	PT
SP-122/065-POSTA NORTE	1023	515,000	56,438	28,247	06°16'44,39"	1186+11,472	1189+7,910	N	7462.197,2046	7461.884,7810	7461.862,3250	7461.841,8790
	1024	495,500	87,628	43,929	10°07'57,47"	1202+6,475	1206+14,103	N	7461.312,8423	7461.654,7148	7461.622,9170	7461.586,2829
	1025	504,500	70,240	35,177	07°58'37,56"	1208+11,094	1212+1,334	N	7461.277,0279	7461.555,4351	7461.526,0966	7461.494,3540
	1026	504,500	21,153	10,578	02°24'08,29"	1212+1,334	1213+2,486	N	7461.277,0279	7461.494,3540	7461.484,8079	7461.475,0791
	1027	315,000	16,307	8,155	02°57'58,03"	1213+2,486	1213+18,793	N	7461.598,7385	7461.475,0791	7461.467,5784	7461.460,2535
	1028	110,500	32,949	16,598	17°05'04,32"	1216+17,597	1218+10,546	N	7461.358,6581	7461.407,4377	7461.392,5301	7461.376,1368
	1029	107,300	47,733	24,268	25°29'17,30"	1218+10,546	1220+18,278	N	7461.392,9147	7461.376,1368	7461.352,1637	7461.332,1637
	1030	48,500	24,500	12,517	28°56'35,71"	1220+18,278	1222+2,778	N	7461.359,6234	7461.332,1637	7461.312,8459	7461.316,2465
	1031	104,000	5,631	2,816	03°06'08,74"	1222+2,778	1222+8,410	N	7461.223,2322	7461.316,2465	7461.314,9867	7461.313,5923
	1032	19,000	11,600	5,987	34°58'46,23"	1222+10,119	1223+1,718	N	7461.296,2382	7461.312,7463	7461.309,7822	7461.304,3715
	FINAL					1224+5,083		N	7461.287,2635	7461.287,2635	7461.287,2635	7461.287,2635

TABELA DE ALINHAMENTO DO EIXO												
EIXO	CURVA N° 1023	CURVA CIRCULAR			ESTACAS			COORDENADAS				
		R (m)	D (m)	T (m)	AC	PC/PI	PT	PONTO	CC	PC	PI	PT
SP-122/065-POSTA SUL	2021	504,500	55,288	27,672	06°16'44,39"	2186+4,937	2189+0,225	N	7.462.197,2046	7.461.891,1508	7.461.869,1527	7.461.849,1225
								E	297.068,5082	297.467,5709	297.450,7840	297.431,6919
	2022	1000,000	22,304	11,152	01°16'40,45"	2200+7,752	2201+10,055	N	7.462.574,3812	7.461.684,4267	7.461.676,5847	7.461.666,5551
								E	296.550,8561	297.274,7058	297.267,0143	297.250,1416
	2023	60,500	36,958	19,076	35°00'00,76"	2207+16,824	2209+13,782	N	7.461.535,9580	7.461.578,6665	7.461.565,1555	7.461.546,3641
								E	297.212,5034	297.169,6521	297.156,1861	297.152,9050
	2024	304,500	85,970	43,273	16°10'35,01"	2209+13,782	2213+19,752	N	7.461.598,7385	7.461.546,3641	7.461.532,7362	7.461.464,8696
								E	286.852,9431	297.152,9050	297.145,4621	297.126,4378
	2025	204,500	34,028	17,053	09°32'01,26"	2217+0,787	2218+14,815	N	7.461.499,9542	7.461.410,0489	7.461.394,7321	7.461.380,8687
2026	154,500	27,703	13,889	10°16'24,45"	2218+14,815	2220+2,518	N	7.461.332,1670	7.461.323,3930	7.461.316,5518	7.461.313,5577	
2027	20,500	14,503	7,570	40°31'59,81"	2221+19,731	2222+14,234	N	7.461.207,7784	7.461.082,1768	7.461.074,0891	7.461.068,1448	
2028	33,500	8,205	4,123	14°02'01,37"	2222+19,731	2223+7,428	N	7.461.332,1670	7.461.323,3930	7.461.316,5518	7.461.313,5577	
							E	297.033,6899	297.052,2174	297.048,9776	297.042,0691	
2028	33,500	8,205	4,123	14°02'01,37"	2222+19,731	2223+7,428	N	7.461.341,9921	7.461.311,4184	7.461.309,7530	7.461.309,0105	
							E	297.033,8228	297.037,5157	297.033,7546	297.029,6931	
FINAL						2223+7,428		N			7.461.309,1001	
								E			297.029,6931	

EIXO	CURVA N°	CURVA CIRCULAR				ESTACAS		COORDENADAS				
		R (m)	D (m)	T (m)	AC	PC/PI	PT	PONTO	CC	PC	PI	PT
RAMO 1900	INICIAL					1900+0,000		N				7461.368,3363
	1901	15,450	27,648	19,262	102°31'57,20"	1900+0,000	1901+7,648	N	7461.383,7469	7461.368,3363	7461.369,7103	7461.368,1668
	1902	102,450	16,910	8,474	09°27'26,18"	1901+7,648	1902+4,559	N	7461.358,8081	7461.368,1668	7461.366,2871	7461.403,8987
	1903	150,450	10,641	5,323	04°03'08,16"	1906+9,285	1906+19,925	N	7461.413,8544	7461.479,9974	7461.484,7780	7461.489,3813
RAMO 2900	INICIAL					2900+0,000		N				7461.655,0133
	2901	13,500	6,633	3,385	28°09'05,90"	2900+9,170	2900+15,803	N	7461.587,0369	7461.573,8040	7461.574,4739	7461.576,6300
	2902	150,450	10,641	5,323	04°03'08,16"	1906+9,285	1906+19,925	N	7461.413,8544	7461.479,9974	7461.484,7780	7461.489,3813
	2903	150,450	10,641	5,323	04°03'08,16"	1906+9,285	1906+19,925	N	7461.413,8544	7461.479,9974	7461.484,7780	7461.489,3813

PCC	PONTO DE CURVA COMPOSTA	GUIA/ SARJETA
PCR	PONTO DE CURVA REVERSA	ALINHAMENTO (BORDO)
PC	PONTO DE CURVA	ESTACAMENTO
PI	PONTO DE INTERSEÇÃO DAS TANGENTES	TALUDE DE CORTE
PT	PONTO DE TANGÊNCIA	TALUDE DE ATERRO
CE	CENTRO DA CURVA	
CC	COORDENADAS	
NE	COORDENADAS	
LP	Linha de Perfil	
LB	Linha Base	
MLB	Mudança de Linha Base	
TE	Ponto de Tangência-Espiral	
EO	Ponto de Espiral-Curva Circular	
CE	Ponto de Curva Circular-Espiral	
ET	Ponto de Espiral-Tangente	
ep%	Super elevação existente	
1:0.1	Inclinação do corte (H/V)	
1:5.1	Inclinação do aterro (H/V)	

NOTAS:
1- MEDIDAS E NOTAS EM METROS;
2- VER TRAÇADO EM PERFIL NOS DESENHO DE-SPA122065-000.005-007-F02/001 A 009;
3- TOPOGRAFIA FORNECIDA PELO CLIENTE, ANTERIOR A AGO/2015.

		VERIFICADO RESPONSÁVEL PELA ÁREA DE PROJETO		APROVADO RESPONSÁVEL TÉCNICO	
N° DESENHO INTERNO: —					
N° DESENHO ARTESP: DE-SPA122065-000.005-007-F02/006.R1.01					
EMISSÃO: 19/02/2016					
TÍTULO: PROJETO EXECUTIVO - TRAÇADO EM PLANTA					
RODOVIA: SPA 122/065 - RODOVIA DOS AGRICULTORES					
TRECHO: km 0+000 A0 km 4+250					
ESCALA: 1:1000					
DER SP					
FOLHA 06					

Engin
SOLUÇÃO E PROJETOS LTDA.

1	14/03/2016	ENG EMERSON NISHIHARA CREA/SP 5060601806	INCLUSÃO DAS TABELAS DE CURVAS DE BORDO E PONTOS, REVISÃO DA SUPERELEVÇÃO
0	19/02/2016	ENG EMERSON NISHIHARA CREA/SP 5060601806	EMISSION INICIAL

ASSUNTO	DOC. REFERÊNCIA
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AUTENTICAÇÃO		ARQUIVO	
DES. DESENHO É ORIGINAL DE CÓPIA DE FLS		Data	Prefixo
ESTES N° _____ APROVADO PELO		Mês/	Gaveta
SR. DIRETOR DE ENGENHARIA AS FLS. _____ DOS AUTOS		Arquitetura	Divisão
N° _____			Mapa
CHefe DA OBRA			