



TABELA DE ALINHAMENTO HORIZONTAL - RAMO 100

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
101	50,00	31,74	16,42	37°32,32'	100+0,00	101+11,74	E	21499,620	21499,620	21499,620	21499,620	21499,620
102	50,00	14,31	9,38	42°52,42'	101+11,74	101+14,06	E	21499,620	21499,620	21499,620	21499,620	21499,620
103	70,00	33,33	17,20	37°28,23'	102+10,48	104+4,99	E	21500,510	21500,510	21500,510	21500,510	21500,510

TABELA DE ALINHAMENTO HORIZONTAL - RAMO 200

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
201	70,00	45,15	23,80	38°26,48'	200+0,00	200+5,15	E	21499,620	21499,620	21499,620	21499,620	21499,620
202	50,00	31,54	16,31	38°13,38'	204+4,68	205+15,07	E	21500,510	21500,510	21500,510	21500,510	21500,510

TABELA DE ALINHAMENTO HORIZONTAL - RAMO 300

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
301	70,00	45,15	23,80	38°26,48'	300+0,00	300+5,15	E	21499,620	21499,620	21499,620	21499,620	21499,620
302	50,00	31,54	16,31	38°13,38'	304+4,68	305+15,07	E	21500,510	21500,510	21500,510	21500,510	21500,510

TABELA DE ALINHAMENTO HORIZONTAL - RAMO 400

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
401	50,00	31,74	16,42	37°32,32'	400+0,00	401+11,74	E	21499,620	21499,620	21499,620	21499,620	21499,620
402	20,00	18,71	9,30	42°52,42'	401+11,74	402+10,49	E	21499,620	21499,620	21499,620	21499,620	21499,620
403	70,00	33,33	17,20	37°28,23'	402+10,49	404+4,99	E	21500,510	21500,510	21500,510	21500,510	21500,510

TABELA DE ALINHAMENTO HORIZONTAL - RAMO 500

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
501	20,00	31,69	20,44	51°18,02'	500+0,00	501+11,69	E	21499,620	21499,620	21499,620	21499,620	21499,620
502	20,00	30,97	19,92	58°49,02'	501+11,69	502+2,82	E	21499,620	21499,620	21499,620	21499,620	21499,620

TABELA DE ALINHAMENTO HORIZONTAL - RAMO 600

CURVA	CURVA CIRCULAR				ESTACAS				COORDENADAS			
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
601	20,00	31,69	20,44	51°18,02'	600+0,00	601+11,69	E	21499,620	21499,620	21499,620	21499,620	21499,620
602	20,00	30,97	19,92	58°49,02'	601+11,69	602+2,82	E	21499,620	21499,620	21499,620	21499,620	21499,620

TABELA DE CURVAS DE BORBO

CURVA	CURVA CIRCULAR				COORDENADAS							
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
1	50,00	18,65	9,30	19°25,82'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
2	20,00	18,62	9,30	34°39,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
3	50,00	18,62	9,30	18°34,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
4	75,00	10,33	5,10	7°48,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
5	70,00	18,03	9,00	13°29,22'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
6	75,00	18,03	9,00	13°29,22'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
7	50,00	18,02	9,00	18°30,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
8	20,00	18,02	9,00	34°39,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
9	50,00	18,02	9,00	19°25,82'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62
10	75,00	10,33	5,10	7°48,12'	186,85	218,62	218,62	218,62	218,62	218,62	218,62	218,62

TABELA DE CURVAS DE BORBO

CURVA	CURVA CIRCULAR				COORDENADAS							
	Nº	R(m)	D(m)	T(m)	AC	PC	PT	POATO	PI	CC	PC	PT
01	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
02	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
03	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
04	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
05	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
06	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
07	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
08	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
09	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
10	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
11	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
12	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
13	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62
14	EST.101+23,80	50	46,51	21,82	32°15,26'	186,85	218,62	218,62	218,62	218,62	218,62	218,62

NOTAS:
 1- MEDIDAS EM METROS, EXCETO ONDE INDICADO.
 2- VER TRACÇAO EM PERFIL DO DISPOSITIVO DO KM 9,800 NOS DES. DE-PRP00138-000-024-000-F10X011 E E02.

DER Departamento de Estradas de Rodagem
 do Estado de São Paulo

Consorcio LENC - GTP
 LENC GTP
 Nota de Serviço de Aumento de Capacidade

EMPENHAMENTO: VICINAL PRP-138
 SUB-PROJETO: K14+450 AO KM 20+500 (PARAPUÁ)
 OBJETIVO: PROJETO DE BARRAGEM DE CONTENÇÃO DE TERRAPLENAMENTO DE VIAS DE VIAGEM - PLANTA - DISPOSITIVO DO KM 9,800

DISCRIMINAÇÃO REVISÕES DATA EMENTE VERIFICAÇÃO APROVAÇÃO DOCUMENTOS DE REFERÊNCIA

RESPOSTA: A