

PREFEITURA MUNICIPAL DE PRESIDENTE KENNEDY

PROJETOS EXECUTIVOS DE ENGENHARIA CIVIL PARA MELHORIAS OPERACIONAIS E PAVIMENTAÇÃO DE RODOVIAS VICINAIS MUNICIPAIS LOCALIZADAS NOS SEGUINTE TRECHOS INTEGRANTES DO LOTE 4 (EDITAL 006/2014):

- 4.3 - MONTE BELO - MINEIRINHO - CAMPINAS (ES-297)

VOLUME 3D - NOTAS DE SERVIÇOS
E CÁLCULO DE VOLUMES

JANEIRO DE 2016

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1. APRESENTAÇÃO

1. APRESENTAÇÃO

A ENECON S.A. – ENGENHEIROS E ECONOMISTAS CONSULTORES apresenta o VOLUME 3D – NOTAS DE SERVIÇOS E CÁLCULO DE VOLUMES referente ao PROJETO EXECUTIVO DE ENGENHARIA CIVIL PARA MELHORIAS OPERACIONAIS E PAVIMENTAÇÃO DE RODOVIA VICINAL MUNICIPAL DO TRECHO 4.3: MONTE BELO – MINEIRINHO – CAMPINAS (ES-297), EXTENSÃO 12,62 km, LOTE 04, em atendimento ao contrato assinado com a PREFEITURA MUNICIPAL DE PRESIDENTE KENNEDY, no estado do Espírito Santo.

Os principais dados contratuais são:

EDITAL: Concorrência – Edital Nº 006/2014

Nº do Processo: 004011/2013

DATA DA LICITAÇÃO: 10 de abril de 2014

DATA DA ASSINATURA DO CONTRATO: 9 de julho de 2014

DATA DA ORDEM DE INÍCIO DOS SERVIÇOS: 18 de agosto de 2014

CONTRATO Nº: 000168/2014

PRAZO CONTRATUAL: 365 DIAS

1º ADITIVO DE PRAZO: 90 DIAS

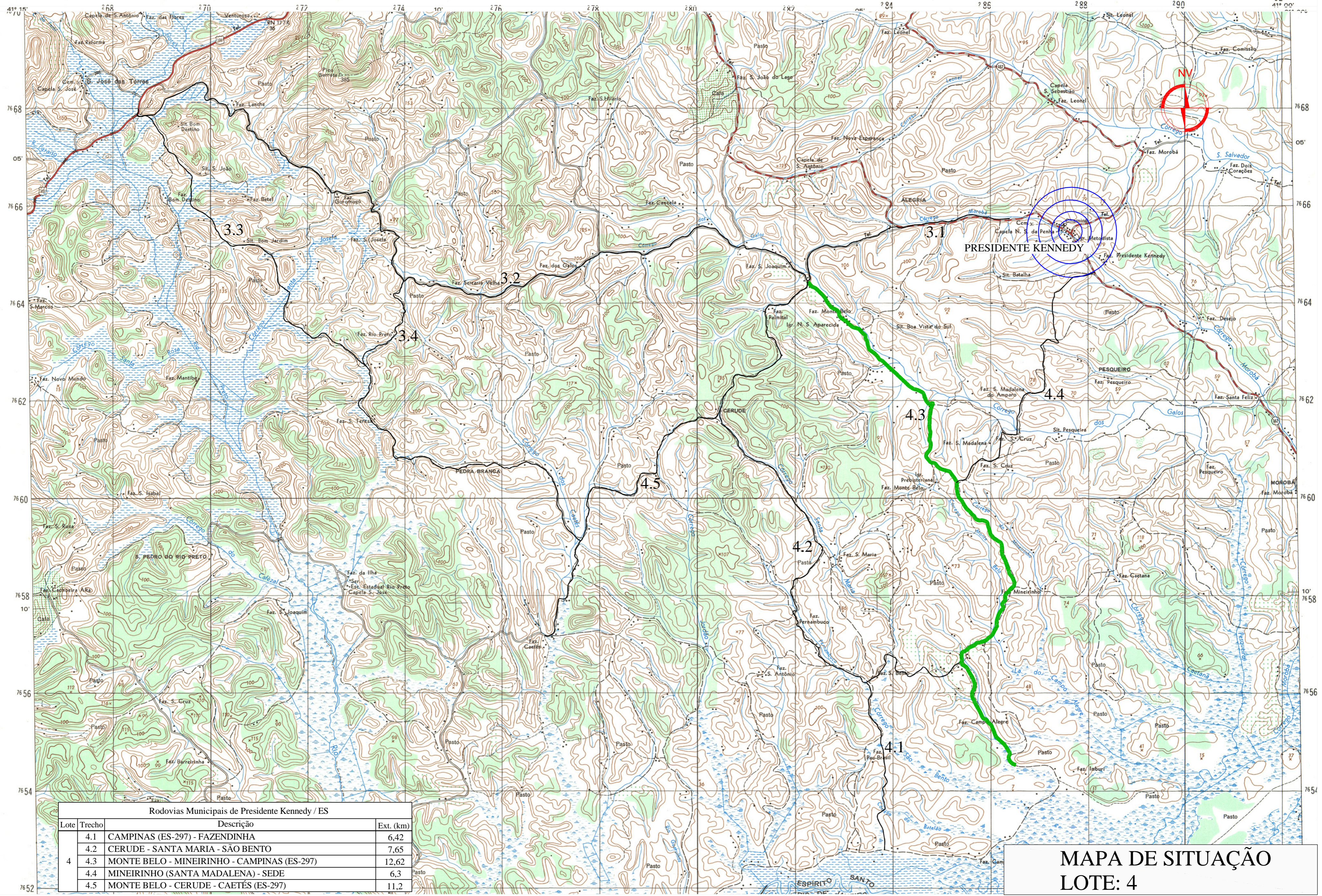
PRAZO CONTRATUAL + 1º ADITIVO: 455 dias

2º ADITIVO DE PRAZO: 90

PRAZO CONTRATUAL + 1º ADITIVO + 2º ADITIVO: 545 dias

A Impressão Definitiva do trecho 4.3 é composta pelos seguintes volumes:

- VOLUME 1 - RELATÓRIO DO PROJETO E INFORMAÇÕES PARA LICITAÇÃO – formato A4;
- VOLUME 2 - PROJETO DE EXECUÇÃO – formato A3;
- VOLUME 3 - MEMÓRIA JUSTIFICATIVA – formato A4;
- VOLUME 3A – ESTUDOS E PROJETOS AMBIENTAIS – formato A4;
- VOLUME 3B – ESTUDOS GEOTÉCNICOS – formato A4;
- VOLUME 3D – NOTAS DE SERVIÇOS E CÁLCULO DE VOLUMES – formato A4;
- VOLUME 3E – CADASTRO PARA DESAPROPRIAÇÃO – formato A4;
- VOLUME 4 - ORÇAMENTOS E PLANO DE EXECUÇÃO DA OBRA – formato A4.



Rodovias Municipais de Presidente Kennedy / ES			
Lote	Trecho	Descrição	Ext. (km)
4	4.1	CAMPINAS (ES-297) - FAZENDINHA	6,42
	4.2	CERUDE - SANTA MARIA - SÃO BENTO	7,65
	4.3	MONTE BELO - MINEIRINHO - CAMPINAS (ES-297)	12,62
	4.4	MINEIRINHO (SANTA MADALENA) - SEDE	6,3
	4.5	MONTE BELO - CERUDE - CAETÉS (ES-297)	11,2

MAPA DE SITUAÇÃO
LOTE: 4

2. CÁLCULOS DE VOLUMES

2.1 PISTA PRINCIPAL



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes					
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro		
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	3ª Cat.						
Eixo de Ligação																		
0+0.000																		
0+1.854							58,66								140,07			140,07
0+10.000							57,59								584,24			724,31
1+0.000							52,51											
1+10.000							46,28								643,67			1367,98
2+0.000							38,19								550,09			1918,07
2+10.000							29,53								440,48			2358,55
3+0.000							23,62								345,29			2703,84
3+8.267							17,07								264,15			2967,99
4+0.000							12,78								160,24			3128,23
4+10.000							12,17								28,12			3156,35
5+0.000							9,49								140,82			3297,17
5+10.000							6,75								105,53			3402,70
6+0.000							4,18								70,92			3473,62
6+10.000							1,53								37,23	2,84		3510,85
6+14.680							0,33								12,34	26,84		3523,19
7+0.000							0,02								2,35	70,65		3525,54
															0,06	92,15		3525,60
																113,89		3525,60



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen					
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
7+10.500	1,57	5,04					1,19	1,19	26,46					8,14	140,35	3533,74
8+0.000	1,03	2,60					4,98	6,17	12,05					38,72	152,40	3572,46
8+10.000		1,03					9,57	14,55	5,02					95,94	157,42	3668,40
8+15.005							9,25	18,82						61,94	157,42	3730,34
9+0.000							8,48	17,73						58,14	157,42	3788,48
9+10.000							7,45	15,93						104,36	157,42	3892,84
9+19.510	0,05	0,05					6,15	13,60	0,22					84,59	157,64	3977,43
10+0.000	0,08	0,13					5,98	12,13	0,03					3,86	157,67	3981,29
11+0.000	6,02	6,10					2,57	8,55	61,03					111,20	218,70	4092,49
12+0.000	15,27	21,29						2,57	212,87					33,44	431,57	4125,93
13+0.000	19,02	34,29							342,86						774,43	4125,93
14+0.000	17,62	36,64							366,41						1140,84	4125,93
15+0.000	12,51	30,13							301,26						1442,10	4125,93
16+0.000	2,33	14,84					3,78	3,78	148,33					49,12	1590,43	4175,05
17+0.000		2,33					17,88	21,66	23,26					281,56	1613,69	4456,61
18+0.000							11,59	29,47						383,06	1613,69	4839,67
18+16.642	4,94	4,94					6,76	18,35	41,09					198,46	1654,78	5038,13
19+0.000	6,36	11,30					6,07	12,83	18,96					28,01	1673,74	5066,14
19+10.000	10,35	16,71					3,49	9,56	83,55					62,16	1757,29	5128,30



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
20+0.000	14,96	25,31					0,97	4,46	124,41					29,35	1881,70			5157,65
20+6.642	16,39	31,35					0,54	1,51	101,48					6,66	1983,18			5164,31
20+10.000	17,18	33,57					0,28	0,82	54,76					1,82	2037,94			5166,13
21+0.000	20,69	37,87						0,28	184,10					1,84	2222,04			5167,97
21+1.579	21,07	41,76							32,97						2255,01			5167,97
21+10.000	22,06	43,13							176,59						2431,60			5167,97
21+16.516	23,41	45,47							144,05						2575,65			5167,97
22+0.000	23,62	47,03							79,82						2655,47			5167,97
22+10.000	24,71	48,33					0,01	0,01	237,08					0,07	2892,55			5168,04
23+0.000	27,64	52,35						0,01	259,20					0,07	3151,75			5168,11
23+6.516	28,12	55,76							181,64						3333,39			5168,11
24+0.000	31,00	59,12							398,56					0,01	3731,95			5168,12
25+0.000	34,91	65,91					0,01	0,01	659,09					0,19	4391,04			5168,31
25+16.918	21,89	56,80					2,45	2,46	480,46					27,06	4871,50			5195,37
26+0.000	20,30	42,19					2,88	5,33	65,01					10,67	4936,51			5206,04
26+10.000	15,27	35,57					3,18	6,06	180,51					39,06	5117,02			5245,10
27+0.000	10,66	25,93					3,27	6,45	131,60					41,66	5248,62			5286,76
27+8.934	7,98	18,64					2,52	5,79	84,50					33,38	5333,12			5320,14
27+10.000	7,57	15,55					2,43	4,95	8,29					3,42	5341,41			5323,56



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes										
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado							
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
28+0.000	1,32	8,89					1,61	4,04					45,10						26,05	5386,51			5349,61
28+10.000	1,27	2,59					0,59	2,20					13,11						14,23	5399,62			5363,84
29+0.000	1,38	2,65					0,36	0,95					13,37						6,16	5412,99			5370,00
29+0.951	1,39	2,77					0,33	0,69					1,32						0,43	5414,31			5370,43
30+0.000	1,72	3,11					0,41	0,74					29,64						9,18	5443,95			5379,61
31+0.000	1,13	2,85					1,08	1,49					28,53						19,32	5472,48			5398,93
31+11.065	2,30	3,43					1,25	2,33					18,97						16,76	5491,45			5415,69
32+0.000	3,35	5,65					1,79	3,04					25,24						17,66	5516,69			5433,35
32+10.000	4,45	7,80					2,00	3,79					39,35						24,43	5556,04			5457,78
33+0.000	5,14	9,59					2,00	4,00					48,66						25,60	5604,70			5483,38
33+10.000	5,75	10,89					1,12	3,12					55,52						19,82	5660,22			5503,20
33+11.065	5,74	11,49					1,09	2,21					6,12						1,53	5666,34			5504,73
34+0.000	5,57	11,31					1,32	2,41					51,54						13,59	5717,88			5518,32
34+8.524	5,23	10,80					1,46	2,78					46,90						14,94	5764,78			5533,26
34+10.000	5,09	10,32					1,55	3,01					7,62						2,89	5772,40			5536,15
35+0.000	4,23	9,32					2,39	3,94					47,47						24,75	5819,87			5560,90
35+5.982	4,66	8,89					2,03	4,42					27,08						16,60	5846,95			5577,50
35+10.000	4,96	9,62					1,99	4,02					19,65						10,17	5866,60			5587,67
36+0.000	6,81	11,77					1,64	3,63					59,69						22,93	5926,29			5610,60



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
36+10.000	16,79	23,60					0,29	1,93	119,45						12,30	6045,74			5622,90
37+0.000	25,12	41,91					0,01	0,30	210,89						1,96	6256,63			5624,86
37+5.982	29,43	54,55						0,01	163,16						0,04	6419,79			5624,90
38+0.000	43,33	72,76							510,00							6929,79			5624,90
38+2.987	43,47	86,80							129,62							7059,41			5624,90
38+10.000	43,75	87,22							305,84							7365,25			5624,90
39+0.000	42,56	86,31					0,02	0,02	426,23					0,11		7791,48			5625,01
39+10.000	36,50	79,06					0,44	0,46	384,65					3,09		8176,13			5628,10
40+0.000	36,53	73,03					8,63	9,07	348,05					63,25		8524,18			5691,35
40+2.987	34,34	70,87					10,37	19,00	99,37					40,12		8623,55			5731,47
40+10.000	29,35	63,69					10,09	20,46	209,29					101,54		8832,84			5833,01
41+0.000	23,40	52,75					3,59	13,68	247,90					96,34		9080,74			5929,35
41+10.000	17,54	40,94					3,32	6,91	192,67					47,77		9273,41			5977,12
41+14.423	16,08	33,62					3,41	6,73	69,88					20,29		9343,29			5997,41
42+0.000	14,29	30,37					3,30	6,71	79,61					25,26		9422,90			6022,67
42+10.000	9,76	24,05					4,21	7,51	113,03					50,29		9535,93			6072,96
43+0.000	6,70	16,46					5,04	9,25	77,44					61,79		9613,37			6134,75
43+5.860	7,32	14,02					5,30	10,34	38,66					40,21		9652,03			6174,96
43+10.000	7,35	14,67					5,60	10,90	28,64					29,69		9680,67			6204,65



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
44+0.000	6,77	14,12					6,92	12,52					67,38			82,00	9748,05			6286,65
44+10.000	0,04	6,81					10,36	17,28					33,02			112,85	9781,07			6399,50
45+0.000		0,04					16,54	26,90					0,19			175,13	9781,26			6574,63
45+5.860							15,72	32,26								122,87	9781,26			6697,50
45+13.751							15,90	31,62								162,20	9781,26			6859,70
46+0.000							16,69	32,59								132,38	9781,26			6992,08
46+10.000							17,16	33,85								219,26	9781,26			7211,34
47+0.000							17,50	34,66								223,79	9781,26			7435,13
47+3.751							17,11	34,61								83,75	9781,26			7518,88
47+10.000							16,46	33,57								135,33	9781,26			7654,21
47+19.536							15,67	32,13								198,87	9781,26			7853,08
48+0.000							15,48	31,15								9,40	9781,26			7862,48
48+10.000							15,04	30,52								200,52	9781,26			8063,00
48+15.321							15,81	30,85								108,44	9781,26			8171,44
49+0.000							13,60	29,41								90,77	9781,26			8262,21
49+10.000	0,26	0,26					4,07	17,67					1,35			115,38	9782,61			8377,59
50+0.000	3,31	3,57					0,01	4,08					18,01			26,37	9800,62			8403,96
50+5.321	6,85	10,16						0,01					27,03			0,05	9827,65			8404,01
51+0.000	14,26	21,11											154,96				9982,61			8404,01



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen								
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado					
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
52+0.000	16,66	30,92											309,20				10291,81				8404,01
53+0.000	22,74	39,40											394,03				10685,84				8404,01
54+0.000	26,27	49,01											490,06				11175,90				8404,01
55+0.000	27,15	53,42											534,16				11710,06				8404,01
56+0.000	28,51	55,66											556,62				12266,68				8404,01
57+0.000	13,98	42,49					3,82	3,82					424,95				12691,63				8453,66
58+0.000	5,08	19,06					8,69	12,51					190,64				12882,27				8616,27
59+0.000	2,13	7,21					11,54	20,23					72,11				12954,38				8879,29
60+0.000	0,18	2,31					18,18	29,72					23,06				12977,44				9265,65
61+0.000	0,41	0,59					20,11	38,29					5,85				12983,29				9763,33
62+0.000	1,17	1,58					19,14	39,25					15,79				12999,08				10273,55
63+0.000	0,13	1,30					22,75	41,89					13,04				13012,12				10818,21
64+0.000		0,13					22,67	45,42					1,33				13013,45				11408,75
64+0.990							22,30	44,97									13013,45				11437,68
64+10.000							18,73	41,03									13013,45				11677,96
65+0.000							16,95	35,68									13013,45				11908,39
65+10.000	0,63	0,63					12,83	29,78					3,27				13016,72				12099,74
65+10.990	0,77	1,40					12,54	25,37					0,70				13017,42				12116,06
66+0.000	1,90	2,67					9,48	22,02					12,50				13029,92				12243,44



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
66+2.137	2,28	4,18					8,81	18,29	4,47						25,41	13034,39			12268,85
66+10.000	3,03	5,31					7,31	16,12	21,64						81,26	13056,03			12350,11
66+13.284	2,99	6,02					7,13	14,44	10,25						30,35	13066,28			12380,46
67+0.000	4,27	7,26					6,32	13,45	25,16						57,80	13091,44			12438,26
67+10.000	14,53	18,80					2,90	9,22	95,93						59,20	13187,37			12497,46
68+0.000	28,32	42,85					1,08	3,98	216,10						25,69	13403,47			12523,15
68+3.284	33,91	62,23					0,58	1,66	102,18						3,55	13505,65			12526,70
69+0.000	67,98	101,89					0,03	0,61	851,56						6,65	14357,21			12533,35
69+14.839	63,84	131,82					0,79	0,82	978,02						7,91	15335,23			12541,26
70+0.000	60,27	124,11					1,39	2,18	320,26						7,32	15655,49			12548,58
70+10.000	49,97	110,24					3,02	4,41	545,52						29,00	16201,01			12577,58
71+0.000	46,17	96,14					5,33	8,35	469,82						55,60	16670,83			12633,18
71+4.839	43,56	89,73					6,69	12,02	209,91						39,08	16880,74			12672,26
71+10.000	40,33	83,89					7,50	14,19	208,38						49,29	17089,12			12721,55
72+0.000	28,56	68,89					8,02	15,52	331,64						104,34	17420,76			12825,89
72+1.434	26,44	55,00					8,00	16,02	39,43						14,93	17460,19			12840,82
72+10.000	17,66	44,10					9,29	17,29	182,00						99,25	17642,19			12940,07
72+18.029	11,37	29,03					11,01	20,30	112,27						108,84	17754,46			13048,91
73+0.000	9,44	20,81					11,37	22,38	20,51						28,68	17774,97			13077,59



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumenes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
73+10.000	1,71	11,15					15,72	27,09		54,14			179,80			17829,11				13257,39
74+0.000	0,53	2,24				17,99	33,71		11,00			221,47			17840,11					13478,86
74+8.029		0,53				19,48	37,47		2,13			195,51			17842,24					13674,37
74+10.000						19,88	39,36					50,43			17842,24					13724,80
75+0.000						21,05	40,93					266,08			17842,24					13990,88
76+0.000						21,11	42,16					548,10			17842,24					14538,98
77+0.000						19,16	40,27					523,48			17842,24					15062,46
78+0.000	4,81	4,81				4,50	23,66		48,08			307,56			17890,32					15370,02
78+2.755	6,82	11,63				2,66	7,16		16,01			12,82			17906,33					15382,84
78+10.000	15,50	22,32				0,07	2,73		80,86			12,88			17987,19					15395,72
79+0.000	30,03	45,53					0,07		225,48			0,48			18212,67					15396,20
79+10.000	39,88	69,91							344,58						18557,25					15396,20
79+12.755	43,08	82,96							112,43						18669,68					15396,20
80+0.000	45,93	89,01							317,47						18987,15					15396,20
80+10.000	49,50	95,43							470,34						19457,49					15396,20
80+12.615	51,40	100,90							130,07						19587,56					15396,20
81+0.000	51,20	102,60							373,70						19961,26					15396,20
81+10.000	34,69	85,89				0,01	0,01		422,67			0,09			20383,93					15396,29
81+12.474	29,37	64,06				0,07	0,08		77,73			0,14			20461,66					15396,43



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumenes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
82+0.000	12,41	41,78					1,04	1,11	154,50				5,56	20616,16						15401,99
82+10.000	1,03	13,44				3,65	4,69	66,37				30,90	20682,53							15432,89
83+0.000		1,03				13,97	17,62	5,10				114,89	20687,63							15547,78
83+2.474						13,34	27,31					43,92	20687,63							15591,70
84+0.000						17,89	31,23					355,83	20687,63							15947,53
85+0.000	1,57	1,57				14,25	32,14	15,73				417,88	20703,36							16365,41
86+0.000	44,97	46,54				6,74	20,99	465,41				272,95	21168,77							16638,36
87+0.000	108,14	153,11				2,15	8,89	1531,12				115,57	22699,89							16753,93
88+0.000	77,54	185,68				4,86	7,01	1856,88				91,12	24556,77							16845,05
89+0.000	15,33	92,87				10,87	15,73	928,78				204,57	25485,55							17049,62
90+0.000	17,84	33,17				13,17	24,04	331,75				312,51	25817,30							17362,13
91+0.000	10,68	28,52				13,07	26,24	285,21				341,11	26102,51							17703,24
92+0.000	7,09	17,77				15,29	28,36	177,75				368,75	26280,26							18071,99
92+14.026	4,98	12,07				18,09	33,38	84,67				304,32	26364,93							18376,31
93+0.000	2,38	7,36				19,73	37,82	21,99				146,86	26386,92							18523,17
93+10.000		2,38				23,31	43,04	12,07				277,63	26398,99							18800,80
94+0.000						27,19	50,50					325,38	26398,99							19126,18
94+4.026						27,03	54,22					140,88	26398,99							19267,06
94+10.000						27,63	54,66					210,77	26398,99							19477,83



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes						
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
95+0.000							29,20	56,83							366,95	26398,99			19844,78
95+10.000							31,69	60,89							393,35	26398,99			20238,13
95+14.713							32,86	64,55							196,53	26398,99			20434,66
96+0.000							30,98	63,84							217,97	26398,99			20652,63
96+10.000							28,65	59,63							385,00	26398,99			21037,63
97+0.000							26,19	54,84							354,00	26398,99			21391,63
97+5.401							24,57	50,76							177,09	26398,99			21568,72
97+10.000							23,49	48,06							142,91	26398,99			21711,63
98+0.000							20,69	44,18							285,78	26398,99			21997,41
98+10.000							15,57	36,26							234,67	26398,99			22232,08
98+15.401	0,15	0,15					13,09	28,66				0,39			100,62	26399,38			22332,70
99+0.000	0,01	0,16					13,46	26,55				0,36			79,36	26399,74			22412,06
100+0.000	1,67	1,68					12,75	26,21				16,81			340,76	26416,55			22752,82
100+15.402	4,28	5,95					13,41	26,16				45,81			261,97	26462,36			23014,79
101+0.000	5,17	9,45					12,46	25,87				21,73			77,31	26484,09			23092,10
101+10.000	7,38	12,55					10,59	23,05				62,79			149,80	26546,88			23241,90
102+0.000	8,70	16,08					8,99	19,58				79,27			128,50	26626,15			23370,40
102+5.402	9,06	17,76					8,37	17,36				46,99			61,82	26673,14			23432,22
102+10.000	9,27	18,33					7,38	15,75				41,16			47,81	26714,30			23480,03



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3														
		Áreas						Volumes								
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
102+19.697	8,30	17,57					8,28	15,66	83,16			100,50			26797,46	23580,53
103+0.000	8,17	16,47					8,31	16,59	2,50			3,27			26799,96	23583,80
103+10.000	5,33	13,50					8,39	16,70	65,89			110,64			26865,85	23694,44
103+13.992	4,72	10,05					8,02	16,41	19,58			43,31			26885,43	23737,75
104+0.000	3,44	8,16					7,32	15,34	23,99			60,74			26909,42	23798,49
104+10.000	1,77	5,21					6,67	13,99	25,68			91,68			26935,10	23890,17
105+0.000	0,53	2,30					6,07	12,74	11,53			82,83			26946,63	23973,00
105+3.992	0,67	1,20					5,33	11,40	2,41			29,58			26949,04	24002,58
106+0.000	1,42	2,09					3,32	8,65	16,77			90,02			26965,81	24092,60
107+0.000	3,11	4,53					2,04	5,36	45,35			69,71			27011,16	24162,31
108+0.000	0,41	3,52					3,97	6,01	35,17			78,12			27046,33	24240,43
108+14.774		0,41					9,76	13,73	3,00			131,87			27049,33	24372,30
109+0.000							12,14	21,90				74,41			27049,33	24446,71
109+10.000							15,71	27,85				181,03			27049,33	24627,74
110+0.000							16,76	32,47				211,37			27049,33	24839,11
110+4.774							16,44	33,20				103,42			27049,33	24942,53
110+10.000							16,01	32,45				110,82			27049,33	25053,35
110+15.713							15,71	31,72				118,45			27049,33	25171,80
111+0.000							14,34	30,05				84,29			27049,33	25256,09



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas									Volumen										
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
111+6.652							11,60	25,94								113,02	27049,33			25369,11
111+10.000							10,27	21,87								47,92	27049,33			25417,03
112+0.000							7,47	17,74								115,67	27049,33			25532,70
112+10.000	0,08	0,08					8,30	15,77	0,43							102,40	27049,76			25635,10
112+16.652	0,14	0,22					9,35	17,65	0,73							76,33	27050,49			25711,43
112+16.720	0,11	0,25					9,41	18,76	0,01							0,83	27050,50			25712,26
113+0.000							13,26	22,67	0,17							48,32	27050,67			25760,58
113+10.000							20,85	34,11								221,69	27050,67			25982,27
114+0.000							27,54	48,39								315,12	27050,67			26297,39
114+6.720							29,18	56,72								248,48	27050,67			26545,87
114+10.000							29,57	58,75								125,23	27050,67			26671,10
115+0.000							26,23	55,80								364,53	27050,67			27035,63
115+4.095							20,82	47,05								125,22	27050,67			27160,85
115+10.000							13,12	33,94								130,72	27050,67			27291,57
116+0.000	0,03	0,03					6,23	19,35	0,16							125,71	27050,83			27417,28
116+1.470							6,67	12,90	0,02							12,33	27050,85			27429,61
116+10.000							9,34	16,01	0,01							88,45	27050,86			27518,06
117+0.000							12,19	21,53								139,79	27050,86			27657,85
117+10.000							13,65	25,84								167,98	27050,86			27825,83



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
117+11.470							13,77	27,42								26,20	27050,86			27852,03
118+0.000							15,18	28,95								160,51	27050,86			28012,54
119+0.000							15,00	30,18								392,41	27050,86			28404,95
120+0.000							12,33	27,33								355,33	27050,86			28760,28
121+0.000	0,93	0,93					7,37	19,70				9,26				256,14	27060,12			29016,42
122+0.000	0,93	1,86					5,37	12,74				18,59				165,58	27078,71			29182,00
122+ 14.092	0,05	0,98					4,92	10,29				6,94				94,17	27085,65			29276,17
123+0.000		0,05					5,62	10,54				0,15				40,46	27085,80			29316,63
123+10.000							6,29	11,91								77,42	27085,80			29394,05
124+0.000							5,63	11,92				0,02				77,50	27085,82			29471,55
124+4.182							6,29	11,92				0,01				32,41	27085,83			29503,96
124+10.000							6,12	12,41								46,94	27085,83			29550,90
125+0.000							5,63	11,75				0,02				76,39	27085,85			29627,29
125+10.000	0,02	0,02					3,81	9,44				0,14				61,34	27085,99			29688,63
125+14.272	1,94	1,96					2,72	6,53				4,19				18,13	27090,18			29706,76
126+0.000	6,00	7,94					1,07	3,79				22,74				14,12	27112,92			29720,88
127+0.000	13,36	19,36					0,03	1,10				193,64				14,26	27306,56			29735,14
128+0.000		13,36					11,35	11,38				133,61				147,95	27440,17			29883,09
129+0.000							21,80	33,15								430,95	27440,17			30314,04



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes								
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado					
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
130+0.000							20,92	42,72								555,26	27440,17				30869,30
131+0.000							14,28	35,20								457,51	27440,17				31326,81
132+0.000	3,59	3,59					4,86	19,14				35,94				248,82	27476,11				31575,63
133+0.000	4,66	8,25					0,62	5,48				82,52				71,27	27558,63				31646,90
134+0.000	13,77	18,43						0,62				184,30				8,06	27742,93				31654,96
135+0.000	23,52	37,29										372,90					28115,83				31654,96
136+0.000	31,92	55,44										554,40					28670,23				31654,96
137+0.000	42,13	74,05										740,53					29410,76				31654,96
138+0.000	50,29	92,42										924,22					30334,98				31654,96
139+0.000	35,83	86,12										861,17					31196,15				31654,96
140+0.000	1,02	36,85					0,07	0,07				368,46				0,86	31564,61				31655,82
141+0.000		1,02					16,08	16,15				10,20				209,88	31574,81				31865,70
142+0.000							21,17	37,25								484,18	31574,81				32349,88
143+0.000							23,20	44,37								576,78	31574,81				32926,66
144+0.000							23,33	46,53								604,85	31574,81				33531,51
145+0.000							25,25	48,58								631,55	31574,81				34163,06
146+0.000							24,85	50,10								651,37	31574,81				34814,43
147+0.000							21,27	46,12								599,63	31574,81				35414,06
148+0.000							16,31	37,58								488,55	31574,81				35902,61



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes						
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado						
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro		
149+0.000	0,13	0,13					6,68	22,99	1,34					298,89	31576,15		36201,50
150+0.000	10,14	10,27				0,09	6,77	102,76	102,76					88,05	31678,91		36289,55
151+0.000	28,19	38,33				0,09	0,09	383,33	383,33					1,15	32062,24		36290,70
152+0.000	37,35	65,54						655,37	655,37						32717,61		36290,70
152+6.487	36,31	73,66						238,89	238,89						32956,50		36290,70
152+10.000	35,60	71,91						126,31	126,31						33082,81		36290,70
153+0.000	34,77	70,37						351,81	351,81						33434,62		36290,70
153+10.000	28,20	62,97						315,27	315,27						33749,89		36290,70
154+0.000	19,66	47,86						239,97	239,97						33989,86		36290,70
154+6.487	12,80	32,46						105,75	105,75						34095,61		36290,70
154+10.000	9,08	21,88						38,68	38,68						34134,29		36290,70
155+0.000	1,58	10,66					2,71	2,71	53,87	53,87				17,58	34188,16		36308,28
155+7.066	0,55	2,13					8,05	10,76	7,74	7,74				49,15	34195,90		36357,43
155+10.000	0,16	0,71					10,73	18,78	1,05	1,05				35,81	34196,95		36393,24
156+0.000		0,16					18,49	29,22	0,83	0,83				188,95	34197,78		36582,19
156+7.644							20,60	39,09						193,72	34197,78		36775,91
156+10.000							21,39	41,99						64,29	34197,78		36840,20
157+0.000							25,51	46,90						304,75	34197,78		37144,95
157+10.000							24,57	50,08						325,43	34197,78		37470,38



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.					2ª Cat.	3ª Cat.		
158+0.000								22,55	47,12							306,29	34197,78			37776,67
158+7.644								19,78	42,33							210,34	34197,78			37987,01
159+0.000								15,48	35,26							283,18	34197,78			38270,19
160+0.000								14,88	30,36							394,65	34197,78			38664,84
161+0.000								18,01	32,89							427,56	34197,78			39092,40
162+0.000								20,30	38,31							498,04	34197,78			39590,44
163+0.000								20,76	41,06							533,73	34197,78			40124,17
163+10.000								20,01	40,77				0,01			265,00	34197,79			40389,17
163+11.670								20,17	40,18							43,63	34197,79			40432,80
164+0.000								21,90	42,07							227,75	34197,79			40660,55
164+10.000								24,31	46,21							301,26	34197,79			40961,81
165+0.000								24,94	49,25							322,33	34197,79			41284,14
165+10.000								22,78	47,72							313,69	34197,79			41597,83
165+11.670								22,30	45,08							48,95	34197,79			41646,78
166+0.000								18,04	40,34							221,68	34197,79			41868,46
166+10.000								9,82	27,86							183,97	34197,79			42052,43
167+0.000	1,31	1,31						0,68	10,50				6,25			69,49	34204,04			42121,92
167+4.468	6,81	8,12							0,68				17,89			2,02	34221,93			42123,94
167+10.000	14,68	21,49											59,12				34281,05			42123,94



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
168+0.000	31,00	45,68											227,81			34508,86				42123,94
168+10.000	48,06	79,06											394,75			34903,61				42123,94
168+17.266	56,19	104,25											378,07			35281,68				42123,94
169+0.000	56,84	113,03											154,12			35435,80				42123,94
169+10.000	49,59	106,43											530,41			35966,21				42123,94
170+0.000	42,10	91,69											456,76			36422,97				42123,94
170+10.000	34,97	77,07											384,41			36807,38				42123,94
170+17.266	30,63	65,60											238,33			37045,71				42123,94
171+0.000	30,89	61,52											84,08			37129,79				42123,94
171+10.000	33,67	64,56						0,02	0,02				322,80			37452,59		0,16		42124,10
172+0.000	36,21	69,88							0,02	0,02			349,41			37802,00		0,16		42124,26
173+0.000	28,87	65,08											650,78			38452,78				42124,26
174+0.000	4,71	33,58						0,08	0,08				335,73			38788,51		1,05		42125,31
174+7.535	0,28	4,99						2,84	2,92				18,80			38807,31		14,32		42139,63
174+10.000		0,28						4,85	7,69				0,35			38807,66		12,33		42151,96
175+0.000								12,55	17,40				0,01			38807,67		112,72		42264,68
175+10.000								19,93	32,48							38807,67		210,13		42474,81
175+17.535								27,19	47,12							38807,67		230,58		42705,39
176+0.000								28,34	55,53							38807,67		89,20		42794,59



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
176+10.000							30,64	58,98							385,69	38807,67			43180,28
176+17.168							31,33	61,97							291,83	38807,67			43472,11
177+0.000							33,55	64,88							120,92	38807,67			43593,03
177+10.000							34,57	68,12							447,73	38807,67			44040,76
177+16.801							35,04	69,61							310,33	38807,67			44351,09
178+0.000							34,65	69,69							145,55	38807,67			44496,64
178+10.000							36,31	70,96							461,26	38807,67			44957,90
179+0.000							40,09	76,40							495,88	38807,67			45453,78
179+6.801							42,36	82,45							364,47	38807,67			45818,25
179+8.912							43,35	85,71							117,59	38807,67			45935,84
179+10.000							44,02	87,37							61,81	38807,67			45997,65
180+0.000							49,35	93,37							607,74	38807,67			46605,39
180+10.000							44,75	94,10							613,89	38807,67			47219,28
181+0.000							43,23	87,98							574,43	38807,67			47793,71
181+8.912							37,00	80,23							469,86	38807,67			48263,57
181+10.000							33,37	70,37							49,78	38807,67			48313,35
182+0.000							12,37	45,74							302,55	38807,67			48615,90
182+10.000	0,66	0,66					2,23	14,60							96,78	38810,80			48712,68
182+14.414	3,88	4,54					0,22	2,45							7,40	38820,51			48720,08

Cálculo de Volumes

Rodovia: Municipal
TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	
183+0.000	9,75	13,63					0,22						37,52			0,87	38858,03			48720,95
183+10.000	16,35	26,10											129,59				38987,62			48720,95
183+19.917	21,72	38,07											187,65				39175,27			48720,95
184+0.000	21,77	43,49											1,81				39177,08			48720,95
184+10.000	26,43	48,20											240,00				39417,08			48720,95
185+0.000	28,15	54,58											272,24				39689,32			48720,95
185+10.000	29,65	57,80											288,44				39977,76			48720,95
185+19.917	30,53	60,18											298,40				40276,16			48720,95
186+0.000	30,55	61,08											2,55				40278,71			48720,95
187+0.000	40,19	70,74											707,42				40986,13			48720,95
188+0.000	50,11	90,30											903,03				41889,16			48720,95
189+0.000	61,82	111,93											1119,34				43008,50			48720,95
190+0.000	66,64	128,46											1284,69				44293,19			48720,95
191+0.000	68,33	134,97											1349,77				45642,96			48720,95
192+0.000	67,94	136,27											1362,69				47005,65			48720,95
193+0.000	59,67	127,61											1276,04				48281,69			48720,95
194+0.000	51,39	111,06											1110,59				49392,28			48720,95
194+12.647	45,20	96,59											610,76				50003,04			48720,95
195+0.000	41,95	87,15											320,41				50323,45			48720,95



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
195+10.000	38,42	80,37								401,85					50725,30			48720,95
196+0.000	35,51	73,93								369,37					51094,67			48720,95
196+2.647	34,57	70,08								92,74					51187,41			48720,95
196+10.000	31,73	66,30								243,38					51430,79			48720,95
197+0.000	28,55	60,28								300,92					51731,71			48720,95
197+1.778	28,30	56,85								50,54					51782,25			48720,95
197+10.000	27,48	55,78								228,96					52011,21			48720,95
198+0.000	26,53	54,01								269,74					52280,95			48720,95
198+0.909	26,45	52,98								24,08					52305,03			48720,95
198+10.000	26,84	53,29								242,16					52547,19			48720,95
199+0.000	28,26	55,10								275,46					52822,65			48720,95
199+10.000	24,59	52,85								264,26					53086,91			48720,95
199+10.909	24,35	48,94								22,25					53109,16			48720,95
200+0.000	23,87	48,22								219,18					53328,34			48720,95
201+0.000	25,81	49,68								496,74					53825,08			48720,95
202+0.000	32,19	58,00								579,98					54405,06			48720,95
203+0.000	36,08	68,27								682,76					55087,82			48720,95
204+0.000	30,10	66,18								661,80					55749,62			48720,95
205+0.000	22,08	52,18								521,81					56271,43			48720,95



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
206+0.000	13,74	35,82								358,22						56629,65			48720,95
207+0.000	16,20	29,94								299,37						56929,02			48720,95
208+0.000	3,36	19,56			2,17	2,17				195,55				28,16		57124,57			48749,11
209+0.000		3,36			26,97	29,14				33,56				378,77		57158,13			49127,88
210+0.000					14,05	41,02								533,28		57158,13			49661,16
211+0.000	7,11	7,11			0,04	14,09				71,07				183,13		57229,20			49844,29
212+0.000	18,46	25,57				0,04				255,69				0,46		57484,89			49844,75
213+0.000	21,13	39,59								395,94						57880,83			49844,75
214+0.000	20,80	41,93								419,29						58300,12			49844,75
215+0.000	16,06	36,86								368,53						58668,65			49844,75
216+0.000	21,21	37,27								372,64						59041,29			49844,75
217+0.000	27,71	48,92								489,22						59530,51			49844,75
218+0.000		27,71						12,20	12,20	277,14				158,63		59807,65			50003,38
219+0.000								18,44	30,64					398,32		59807,65			50401,70
220+0.000	32,98	32,98						18,44	18,44	329,83				239,69		60137,48			50641,39
221+0.000	42,61	75,59								755,95						60893,43			50641,39
222+0.000	54,60	97,21								972,16						61865,59			50641,39
223+0.000	56,99	111,59								1115,94						62981,53			50641,39
223+7.873	55,00	111,99								440,83						63422,36			50641,39



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
223+10.000	54,69	109,69								116,68						63539,04			50641,39
224+0.000	52,19	106,88								534,38						64073,42			50641,39
224+10.000	48,99	101,18								507,23						64580,65			50641,39
224+17.873	40,53	89,52								353,92						64934,57			50641,39
225+0.000	38,22	78,75								83,77						65018,34			50641,39
225+10.000	29,28	67,50								339,00						65357,34			50641,39
225+18.541	21,61	50,89								218,33						65575,67			50641,39
226+0.000	20,70	42,31								30,87						65606,54			50641,39
226+10.000	14,73	35,43								177,92						65784,46			50641,39
226+19.208	9,85	24,58								113,60						65898,06			50641,39
227+0.000	9,42	19,27								7,63						65905,69			50641,39
227+10.000	4,67	14,09					0,02	0,02		70,68						65976,37	0,11		50641,50
228+0.000	2,59	7,26					0,25	0,27		36,42						66012,79	1,70		50643,20
228+9.208	0,69	3,28					1,03	1,28		15,11						66027,90	7,66		50650,86
229+0.000		0,69					5,03	6,06		3,70						66031,60	42,53		50693,39
230+0.000							6,05	11,08								66031,60	143,97		50837,36
231+0.000	3,08	3,08					0,29	6,34		30,85						66062,45	82,38		50919,74
232+0.000	0,93	4,01					3,34	3,63		40,12						66102,57	47,26		50967,00
232+9.703		0,93					8,95	12,29		4,50						66107,07	77,53		51044,53



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen						
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado						
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro		
232+10.000							9,16	18,11						3,50	66107,07		51048,03
233+0.000							12,86	22,02						143,16	66107,07		51191,19
233+10.000							15,45	28,31						184,01	66107,07		51375,20
234+0.000							14,69	30,14						194,06	66107,07		51569,26
234+10.000	0,30	0,30					10,73	25,42	1,52					163,03	66108,59		51732,29
235+0.000	0,73	1,03					8,26	18,99	5,26					121,28	66113,85		51853,57
235+10.000	3,03	3,76					3,03	11,29	19,20					71,67	66133,05		51925,24
236+0.000	5,87	8,90					0,89	3,92	45,38					24,59	66178,43		51949,83
236+9.703	8,32	14,19					0,15	1,04	70,11					6,23	66248,54		51956,06
236+10.000	8,35	16,67					0,14	0,29	2,48					0,06	66251,02		51956,12
237+0.000	8,78	17,13					0,10	0,24	87,14					1,54	66338,16		51957,66
237+10.000	9,85	18,63					0,04	0,14	94,56					0,87	66432,72		51958,53
238+0.000	11,29	21,14					0,01	0,05	107,13					0,30	66539,85		51958,83
238+8.149	15,76	27,05						0,01	111,70					0,05	66651,55		51958,88
238+10.000	16,44	32,20							29,81						66681,36		51958,88
239+0.000	19,56	36,00							182,46						66863,82		51958,88
239+10.000	27,22	46,78							236,62						67100,44		51958,88
240+0.000	33,34	60,56							305,53						67405,97		51958,88
240+6.594	36,73	70,07							232,77						67638,74		51958,88



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
240+10.000	38,06	74,79											128,21			67766,95				51958,88
241+0.000	42,25	80,31											403,91			68170,86				51958,88
241+10.000	47,81	90,06											452,35			68623,21				51958,88
242+0.000	52,67	100,48											504,09			69127,30				51958,88
242+10.000	58,36	111,03											556,51			69683,81				51958,88
243+0.000	55,86	114,22											571,82			70255,63				51958,88
243+10.000	53,81	109,67											548,93			70804,56				51958,88
244+0.000	53,09	106,90											534,51			71339,07				51958,88
244+6.594	50,94	104,03											343,03			71682,10				51958,88
245+0.000	33,50	84,44											566,01			72248,11				51958,88
246+0.000	7,74	41,24											412,47			72660,58				51958,88
247+0.000		7,74							29,53	29,53			77,43			72738,01		383,85		52342,73
248+0.000									23,67	53,20						72738,01		691,54		53034,27
249+0.000	7,81	7,81							0,35	24,02			78,09			72816,10		312,18		53346,45
250+0.000	31,94	39,75								0,35			397,47			73213,57		4,50		53350,95
251+0.000	41,32	73,26											732,53			73946,10				53350,95
252+0.000	51,24	92,56											925,56			74871,66				53350,95
252+6.338	52,61	103,85											329,10			75200,76				53350,95
252+10.000	53,74	106,35											194,73			75395,49				53350,95



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
253+0.000	56,38	110,12								550,62					75946,11			53350,95
253+10.000	58,32	114,70								573,39					76519,50			53350,95
253+16.338	59,63	117,95								373,55					76893,05			53350,95
254+0.000	58,64	118,27								216,40					77109,45			53350,95
254+9.095	54,89	113,53								515,92					77625,37			53350,95
254+10.000	54,50	109,39								49,49					77674,86			53350,95
255+0.000	50,03	104,53								522,19					78197,05			53350,95
255+1.852	49,05	99,08								91,76					78288,81			53350,95
255+10.000	43,73	92,78								377,79					78666,60			53350,95
256+0.000	36,98	80,71								403,61					79070,21			53350,95
256+10.000	30,98	67,96								339,81					79410,02			53350,95
256+11.852	29,91	60,89								56,40					79466,42			53350,95
257+0.000	26,34	56,25								229,17					79695,59			53350,95
258+0.000	19,29	45,63								456,32					80151,91			53350,95
259+0.000	17,95	37,24								372,35					80524,26			53350,95
260+0.000	17,24	35,19								351,88					80876,14			53350,95
261+0.000	21,40	38,64								386,46					81262,60			53350,95
261+2.625	22,35	43,75								57,44					81320,04			53350,95
261+10.000	25,95	48,30								178,10					81498,14			53350,95



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
262+0.000	30,81	56,76								283,71						81781,85			53350,95
262+10.000	32,50	63,31								316,30						82098,15			53350,95
263+0.000	30,04	62,54								311,96						82410,11			53350,95
263+2.625	27,93	57,97								75,74						82485,85			53350,95
263+10.000	21,63	49,56								181,43						82667,28			53350,95
264+0.000	14,87	36,50					0,01	0,01		180,45				0,04		82847,73			53350,99
264+4.700	10,51	25,38					0,87	0,88		58,73				2,77		82906,46			53353,76
264+10.000	6,07	16,58					3,39	4,26		43,14				15,17		82949,60			53368,93
265+0.000	0,23	6,30					9,98	13,37		30,89				89,64		82980,49			53458,57
265+6.774		0,23					18,16	28,14		0,76				126,83		82981,25			53585,40
265+10.000							22,02	40,18						85,69		82981,25			53671,09
266+0.000							33,32	55,34						363,56		82981,25			54034,65
266+10.000							41,06	74,38						486,03		82981,25			54520,68
267+0.000							48,48	89,54						583,00		82981,25			55103,68
267+6.774							51,22	99,70						439,00		82981,25			55542,68
268+0.000							54,78	106,00						911,21		82981,25			56453,89
269+0.000							54,45	109,23						1420,00		82981,25			57873,89
270+0.000							43,36	97,81						1271,62		82981,25			59145,51
271+0.000							30,61	73,97						961,74		82981,25			60107,25



Cálculo de Volumes

Estaca		Áreas						Volumes									
		Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
		Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
272+0.000							45,06	14,45								585,79	82981,25
273+0.000	0,99	0,99					17,10	2,65		9,86						222,19	82991,11
274+0.000	5,12	6,11					2,70	0,05		61,06						35,07	83052,17
275+0.000	8,59	13,71					0,05			137,07						0,67	83189,24
275+13.074	7,16	15,75								102,91							83292,15
276+0.000		7,16								24,62							83316,77
276+10.000							0,04	0,04	0,04	0,01						0,25	83316,78
276+10.395							0,04	0,04	0,08							0,02	83316,78
277+0.000							0,04									0,24	83316,78
277+7.715																	83316,78
278+0.000																	83316,78
279+0.000																	83316,78
280+0.000							8,40	8,40	8,40							109,17	83316,78
281+0.000							5,35	5,35	13,75	0,01						178,77	83316,79
282+0.000							4,48	4,48	9,83	0,01						127,85	83316,80
283+0.000							7,53	7,53	12,01							156,16	83316,80
284+0.000							7,21	7,21	14,74							191,59	83316,80
285+0.000							7,00	7,00	14,21							184,65	83316,80
286+0.000							6,71	6,71	13,71							178,15	83316,80



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes									
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado						
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
287+0.000							5,36	12,07								83316,80			156,81			62234,63
288+0.000	0,01	0,01					3,72	9,08					0,14			83316,94			117,99			62352,62
288+0.957	0,03	0,04					2,61	6,33					0,02			83316,96			3,94			62356,56
288+10.000	0,42	0,45					0,82	3,43					1,99			83318,95			20,35			62376,91
289+0.000	1,88	2,30					0,12	0,94					11,35			83330,30			6,17			62383,08
289+10.000	4,73	6,61					0,01	0,13					32,84			83363,14			0,83			62383,91
290+0.000	6,96	11,69						0,01					58,26			83421,40			0,06			62383,97
290+10.000	8,80	15,76											78,64			83500,04						62383,97
290+15.270	9,80	18,60											48,96			83549,00						62383,97
291+0.000	10,36	20,16											47,65			83596,65						62383,97
291+10.000	11,33	21,69											108,44			83705,09						62383,97
292+0.000	15,02	26,35											131,92			83837,01						62383,97
292+10.000	16,35	31,37											157,16			83994,17						62383,97
293+0.000	15,39	31,74											158,90			84153,07						62383,97
293+9.584	15,00	30,39											145,73			84298,80						62383,97
294+0.000	14,29	29,29											152,55			84451,35						62383,97
295+0.000	9,14	23,43											234,35			84685,70						62383,97
296+0.000	1,55	10,69											106,90			84792,60			25,02			62408,99
297+0.000		1,55											15,47			84808,07			148,38			62557,37



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumen								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
298+0.000							22,48	31,97							415,62	84808,07			62972,99
299+0.000							22,86	45,34							589,39	84808,07			63562,38
300+0.000							13,23	36,09							469,07	84808,07			64031,45
301+0.000	2,96	2,96					3,74	16,97							220,51	84837,69			64251,96
302+0.000	9,58	12,54					0,75	4,49							58,32	84963,07			64310,28
303+0.000	20,15	29,73						0,75							9,76	85260,29			64320,04
304+0.000	24,00	44,15														85701,78			64320,04
305+0.000	28,17	52,17														86223,46			64320,04
306+0.000	20,86	49,03														86713,73			64320,04
307+0.000	19,67	40,53														87119,01			64320,04
308+0.000	17,34	37,01														87489,11			64320,04
309+0.000	6,48	23,82														87727,33			64320,04
310+0.000	5,14	11,62														87843,52			64320,06
311+0.000	3,28	8,42														87927,71			64320,08
312+0.000		3,28					8,01	8,01							104,18	87960,50			64424,26
313+0.000							8,80	16,81							218,58	87960,50			64642,84
314+0.000	0,52	0,52					3,04	11,84							153,89	87965,69			64796,73
315+0.000	4,98	5,50					0,04	3,08							40,02	88020,66			64836,75
316+0.000	7,43	12,41						0,04							0,53	88144,75			64837,28



Cálculo de Volumes

Estaca		Áreas										Volumes						
		Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado						
		Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
317+0.000		3,53	10,96					0,02	0,02	109,60				0,21	88254,35			64837,49
318+0.000		3,58	7,11					0,01	0,03	71,10				0,38	88325,45			64837,87
318+15.507		5,92	9,50					0,01	0,02	73,63				0,20	88399,08			64838,07
319+0.000		6,20	12,12					0,01	0,02	27,23				0,05	88426,31			64838,12
319+10.000		5,86	12,06					0,05	0,06	60,17				0,43	88486,48			64838,55
320+0.000		6,61	12,47					0,09	0,14	61,96				0,94	88548,44			64839,49
320+10.000		7,89	14,50					0,04	0,13	71,85				0,87	88620,29			64840,36
320+15.507		8,20	16,09					0,02	0,06	43,86				0,23	88664,15			64840,59
321+0.000		7,34	15,54					0,07	0,09	34,57				0,27	88698,72			64840,86
321+10.000		4,97	12,31					0,91	0,98	60,74				6,64	88759,46			64847,50
322+0.000		3,14	8,11					1,26	2,17	39,81				14,73	88799,27			64862,23
322+9.936		1,60	4,74					1,18	2,44	23,19				16,43	88822,46			64878,66
322+10.000		1,59	3,19					1,18	2,36	0,10				0,10	88822,56			64878,76
323+0.000		0,19	1,78					2,04	3,22	8,78				21,58	88831,34			64900,34
323+10.000		0,12	0,31					4,40	6,44	1,51				42,73	88832,85			64943,07
324+0.000		0,86	0,98					7,21	11,61	4,67				76,88	88837,52			65019,95
324+4.365		1,01	1,87					8,19	15,40	3,91				44,51	88841,43			65064,46
324+10.000		1,17	2,18					8,93	17,12	5,93				63,82	88847,36			65128,28
325+0.000		1,39	2,56					9,33	18,26	12,45				120,45	88859,81			65248,73



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen						
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado			
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
325+10.000	0,87	2,26					18,44		9,11	11,12			121,04			88870,93			65369,77
326+0.000	0,51	1,38					18,01		8,90	6,85			117,62			88877,78			65487,39
326+4.365	0,44	0,95					18,01		9,11	2,06			51,10			88879,84			65538,49
326+10.626	0,27	0,71					18,65		9,54	2,21			75,90			88882,05			65614,39
327+0.000		0,27					20,79		11,25	1,25			126,69			88883,30			65741,08
327+10.000							27,28		16,03				177,32			88883,30			65918,40
328+0.000							37,02		20,99				240,07			88883,30			66158,47
328+10.000							46,54		25,55				301,25			88883,30			66459,72
329+0.000							56,99		31,44				367,39			88883,30			66827,11
329+10.000							62,36		30,92				400,61			88883,30			67227,72
330+0.000							63,88		32,96				409,35			88883,30			67637,07
330+10.000							62,70		29,74				401,35			88883,30			68038,42
330+10.626							59,37		29,63				24,18			88883,30			68062,60
331+0.000							57,98		28,35				348,50			88883,30			68411,10
331+10.000							54,53		26,18				350,06			88883,30			68761,16
332+0.000							49,36		23,18				317,22			88883,30			69078,38
332+7.501							40,81		17,63				196,75			88883,30			69275,13
332+10.000							33,70		16,07				54,15			88883,30			69329,28
333+0.000							25,72		9,65				165,65			88883,30			69494,93



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3																	
		Áreas						Volumes											
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
333+10.000							6,00	15,65							100,97	88883,30			69595,90
334+0.000							2,38	8,38							54,09	88883,30			69649,99
334+4.375							1,31	3,69							10,44	88883,30			69660,43
334+10.000	0,23	0,23					0,34	1,65				0,65			5,97	88883,95			69666,40
335+0.000	1,65	1,88					1,42	1,76				9,34			11,74	88893,29			69678,14
335+10.000	1,13	2,78					2,77	4,19				13,76			27,91	88907,05			69706,05
336+0.000	1,32	2,45					3,31	6,08				12,06			40,15	88919,11			69746,20
336+10.000	0,74	2,06					3,17	6,48				10,15			42,58	88929,26			69788,78
337+0.000	0,32	1,06					1,96	5,13				5,25			33,58	88934,51			69822,36
337+10.000	0,22	0,54					0,60	2,56				2,70			16,67	88937,21			69839,03
338+0.000	1,10	1,32					0,24	0,84				6,60			5,42	88943,81			69844,45
338+4.375	1,24	2,34					0,14	0,38				5,11			1,06	88948,92			69845,51
339+0.000	2,53	3,77						0,14				29,48			1,37	88978,40			69846,88
340+0.000	5,67	8,20										82,02				89060,42			69846,88
341+0.000	3,86	9,53										95,32				89155,74			69846,88
342+0.000	1,59	5,45					0,85	0,85				54,56			11,10	89210,30			69857,98
343+0.000	0,38	1,97					3,12	3,97				19,74			51,62	89230,04			69909,60
344+0.000		0,38					6,24	9,36				3,82			121,59	89233,86			70031,19
344+9.739							5,96	12,20							77,18	89233,86			70108,37



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes						
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado			
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	
344+10.000							5,94	11,90								89233,86			70110,39
345+0.000							4,52	10,46								89233,86			70178,38
345+10.000							4,61	9,13								89233,86			70237,77
346+0.000							6,53	11,14								89233,86			70310,52
346+10.000							6,19	12,72				0,01				89233,87			70393,67
347+0.000	0,30	0,30					6,57	12,76				1,47				89235,34			70477,34
347+9.739							7,85	14,42				1,41				89236,75			70569,73
347+10.000							7,86	15,71								89236,75			70572,40
348+0.000							9,70	17,56								89236,75			70688,20
348+10.000							8,31	18,01								89236,75			70806,63
349+0.000							13,86	22,17								89236,75			70952,47
349+2.034							14,36	28,22								89236,75			70989,78
349+10.000							15,62	29,98								89236,75			71147,08
350+0.000							16,23	31,85								89236,75			71356,69
350+10.000							12,02	28,25								89236,75			71542,64
350+14.329							10,42	22,44								89236,75			71606,54
351+0.000							11,65	22,07								89236,75			71688,53
351+10.000							21,72	33,37								89236,75			71905,73
352+0.000							35,35	57,07								89236,75			72276,95



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.					2ª Cat.	3ª Cat.		
352+10.000								57,24	92,59							602,80	89236,75			72879,75
353+0.000								75,19	132,43							861,53	89236,75			73741,28
353+10.000								77,71	152,90							993,88	89236,75			74735,16
353+14.329								76,91	154,62							435,10	89236,75			75170,26
354+0.000								71,03	147,94							545,31	89236,75			75715,57
355+0.000								41,37	112,40							1461,17	89236,75			77176,74
356+0.000								28,91	70,28							913,59	89236,75			78090,33
357+0.000								37,96	66,87							869,33	89236,75			78959,66
357+0.885								38,05	76,01							43,74	89236,75			79003,40
357+10.000								39,39	77,44							458,76	89236,75			79462,16
358+0.000								40,57	79,96							520,65	89236,75			79982,81
358+10.000								42,08	82,65							539,06	89236,75			80521,87
359+0.000								44,67	86,75							566,37	89236,75			81088,24
359+10.000								52,56	97,23							634,29	89236,75			81722,53
360+0.000								59,95	112,51							732,27	89236,75			82454,80
360+0.885								61,12	121,07							69,67	89236,75			82524,47
360+10.000								62,41	123,53							731,14	89236,75			83255,61
361+0.000								49,81	112,22							730,94	89236,75			83986,55
361+10.000								41,96	91,77							601,18	89236,75			84587,73



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas									Volumes										
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
362+0.000							35,15	77,11								89236,75			505,87	85093,60
362+0.570							34,93	70,08								89236,75			25,98	85119,58
362+10.000							31,06	65,99								89236,75			407,67	85527,25
363+0.000							26,22	57,28								89236,75			374,76	85902,01
363+10.000							20,92	47,14								89236,75			308,38	86210,39
364+0.000							16,82	37,74								89236,75			247,17	86457,56
364+0.255							16,84	33,66								89236,75			5,59	86463,15
364+10.000							17,53	34,37								89236,75			219,33	86682,48
365+0.000							19,32	36,85								89236,75			240,51	86922,99
365+10.000							21,88	41,20								89236,75			268,25	87191,24
366+0.000							23,83	45,71								89236,75			297,33	87488,57
366+10.000							21,38	45,21								89236,75			293,85	87782,42
367+0.000							17,99	39,37								89236,75			255,91	88038,33
367+0.255							17,94	35,93								89236,75			5,96	88044,29
368+0.000							13,59	31,53								89236,75			404,66	88448,95
369+0.000							9,98	23,57								89236,75			306,31	88755,26
369+4.726							8,97	18,95								89236,75			58,20	88813,46
369+10.000							8,24	17,21								89236,75			59,01	88872,47
370+0.000							8,34	16,58								89236,75			108,06	88980,53



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3																	
		Áreas						Volumes											
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial			Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
370+10.000							6,45	14,79							96,66	89236,75			89077,19
371+0.000							7,61	14,06							92,30	89236,75			89169,49
371+4.726							8,74	16,35			0,01				50,99	89236,76			89220,48
371+10.000	0,02	0,02					9,91	18,65			0,07				65,14	89236,83			89285,62
372+0.000		0,02					11,72	21,63			0,12				143,38	89236,95			89429,00
372+6.505							11,96	23,68							101,94	89236,95			89530,94
372+10.000							11,58	23,54							54,29	89236,95			89585,23
373+0.000							11,47	23,05							151,69	89236,95			89736,92
373+8.284							14,89	26,36							143,91	89236,95			89880,83
373+10.000							15,30	30,19							33,69	89236,95			89914,52
374+0.000							15,58	30,88							203,49	89236,95			90118,01
374+10.000							14,32	29,90							196,06	89236,95			90314,07
375+0.000							11,93	26,25							171,34	89236,95			90485,41
375+8.284							9,69	21,62							116,40	89236,95			90601,81
376+0.000							7,20	16,89							128,63	89236,95			90730,44
377+0.000							2,85	10,05							130,68	89236,95			90861,12
378+0.000	1,51	1,51					0,69	3,54			15,07				45,94	89252,02			90907,06
379+0.000	2,68	4,19					0,13	0,82			41,88				10,63	89293,90			90917,69
379+6.647	2,49	5,17					0,10	0,23			17,20				0,99	89311,10			90918,68



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
379+10.000	2,45	4,94					0,07	0,17		8,29						89319,39			0,37	90919,05
380+0.000	2,25	4,70					0,13	0,20		23,50						89342,89			1,28	90920,33
380+10.000	2,46	4,71					0,45	0,58		23,37						89366,26			3,79	90924,12
380+16.647	2,92	5,38					0,67	1,12		17,66						89383,92			4,89	90929,01
381+0.000	2,65	5,57					0,79	1,46		9,34						89393,26			3,18	90932,19
381+10.000	1,67	4,32					1,29	2,08		21,26						89414,52			13,76	90945,95
381+11.141	1,60	3,27					1,32	2,61		1,86						89416,38			1,94	90947,89
382+0.000	1,30	2,90					1,24	2,56		12,63						89429,01			14,96	90962,85
382+5.634	1,62	2,92					1,28	2,52		8,08						89437,09			9,37	90972,22
382+10.000	1,11	2,73					1,08	2,36		5,94						89443,03			6,71	90978,93
383+0.000	0,32	1,43					0,94	2,02		7,08						89450,11			13,30	90992,23
383+10.000	0,11	0,43					2,34	3,28		2,15						89452,26			21,30	91013,53
383+15.634	0,07	0,18					3,02	5,36		0,50						89452,76			19,61	91033,14
384+0.000		0,07					4,29	7,31		0,15						89452,91			20,74	91053,88
385+0.000							6,43	10,72								89452,91			139,39	91193,27
386+0.000	1,39	1,39					0,09	6,52		13,88						89466,79			84,74	91278,01
387+0.000	5,77	7,16						0,09		71,61						89538,40			1,11	91279,12
388+0.000	6,70	12,47								124,69						89663,09				91279,12
389+0.000	6,07	12,77								127,67						89790,76				91279,12



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes									
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado						
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
390+0.000	1,84	7,91					1,42	1,42					79,14			89869,90			18,44			91297,56
390+11.351	1,99	3,83					5,11	6,53					21,77			89891,67			48,15			91345,71
391+0.000		1,99					9,03	14,14					8,62			89900,29			79,46			91425,17
391+10.000							14,15	23,18								89900,29			150,65			91575,82
392+0.000							19,72	33,87								89900,29			219,86			91795,68
392+10.000							24,56	44,28								89900,29			287,69			92083,37
392+11.351							24,96	49,52								89900,29			43,49			92126,86
393+0.000							27,96	52,92								89900,29			297,30			92424,16
393+10.000							29,03	56,99								89900,29			369,96			92794,12
393+11.568							29,11	58,14								89900,29			59,27			92853,39
394+0.000							28,93	58,04								89900,29			317,73			93171,12
394+10.000							26,29	55,22								89900,29			358,63			93529,75
394+11.786							26,09	52,38								89900,29			60,79			93590,54
395+0.000							24,88	50,97								89900,29			271,88			93862,42
395+10.000							22,62	47,50								89900,29			308,60			94171,02
396+0.000							20,79	43,41								89900,29			282,13			94453,15
396+10.000							16,42	37,21								89900,29			241,88			94695,03
396+11.786							15,55	31,97								89900,29			37,12			94732,15
397+0.000							10,81	26,36								89900,29			140,75			94872,90



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
398+0.000	2,67	2,67					0,06	10,87		26,72						89927,01			141,25	95014,15
398+13.059	6,48	9,15					0,14	0,20		59,78						89986,79			1,68	95015,83
399+0.000	7,64	14,12					0,58	0,72		49,04						90035,83			3,23	95019,06
399+10.000	6,39	14,03					3,01	3,59		70,17						90106,00			23,35	95042,41
400+0.000	1,69	8,08					5,87	8,88		40,24						90146,24			58,37	95100,78
400+10.000	1,15	2,84					9,20	15,07		14,07						90160,31			99,37	95200,15
401+0.000	0,59	1,74					11,82	21,02		8,57						90168,88			139,06	95339,21
401+10.000	0,11	0,70					14,16	25,98		3,41						90172,29			172,43	95511,64
402+0.000		0,11					17,83	31,99		0,52						90172,81			212,80	95724,44
402+10.000							23,76	41,59								90172,81			276,84	96001,28
402+13.059							25,76	49,52								90172,81			100,80	96102,08
403+0.000							31,67	57,43								90172,81			264,37	96366,45
403+10.000							43,36	75,03								90172,81			493,17	96859,62
404+0.000							57,77	101,13								90172,81			658,13	97517,75
404+10.000							56,70	114,47								90172,81			740,73	98258,48
404+12.471							56,89	113,59								90172,81			181,17	98439,65
405+0.000							56,88	113,77								90172,81			551,58	98991,23
405+10.000							48,37	105,25								90172,81			676,56	99667,79
406+0.000							41,57	89,94								90172,81			578,18	100245,97



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3												Volumes					
														Áreas					
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		Aterro						
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.		2ª Cat.	3ª Cat.				
406+10.000							27,39	68,96					443,65	90172,81			100689,62		
406+11.883							24,65	52,04					63,69	90172,81			100753,31		
407+0.000							11,68	36,33					190,39	90172,81			100943,70		
407+10.000	2,97	2,97					0,06	11,74					76,08	90187,73			101019,78		
408+0.000	21,25	24,22						0,06					0,36	90308,23			101020,14		
408+10.000	42,86	64,11												90627,19			101020,14		
409+0.000	65,88	108,74												91168,80			101020,14		
409+10.000	86,26	152,14												91927,27			101020,14		
410+0.000	105,32	191,58												92885,20			101020,14		
410+10.000	109,63	214,95												93959,97			101020,14		
410+11.883	110,62	220,25												94167,33			101020,14		
411+0.000	114,83	225,45												95082,35			101020,14		
412+0.000	110,52	225,35												97335,91			101020,14		
413+0.000	91,55	202,07												99356,64			101020,14		
414+0.000	77,47	169,02												101046,88			101020,14		
415+0.000	67,65	145,12												102498,15			101020,14		
416+0.000	59,11	126,76												103765,82			101020,14		
416+18.588	50,67	109,78												104786,12			101020,14		
417+0.000	51,12	101,79												104857,99			101020,14		



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas						Volumes									
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
417+10.000	51,01	102,13							512,11				105370,10			101020,14
418+0.000	54,33	105,34							529,88				105899,98			101020,14
418+8.588	56,16	110,49							477,59				106377,57			101020,14
418+10.000	56,33	112,49							79,92				106457,49			101020,14
418+19.897	60,38	116,71							580,81				107038,30			101020,14
419+0.000	60,41	120,79							6,22				107044,52			101020,14
419+10.000	56,84	117,25							590,87				107635,39			101020,14
419+11.206	56,03	112,87							68,07				107703,46			101020,14
420+0.000	46,59	102,62							455,86				108159,32			101020,14
420+10.000	37,03	83,62							421,92				108581,24			101020,14
421+0.000	32,47	69,50							349,29				108930,53			101020,14
421+1.206	32,52	64,99							39,19				108969,72			101020,14
421+3.578	33,32	65,84							78,07				109047,79			101020,14
421+10.000	40,77	74,09							237,90				109285,69			101020,14
422+0.000	57,12	97,89							485,09				109770,78			101020,14
422+10.000	65,92	123,04							603,66				110374,44			101020,14
422+13.578	70,37	136,29							236,99				110611,43			101020,14
423+0.000	72,25	142,62							443,83				111055,26			101020,14
423+7.183	69,38	141,63							492,69				111547,95			101020,14



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	
423+10.000	67,60	136,98											186,83				111734,78			101020,14
424+0.000	59,41	127,01											614,89				112349,67			101020,14
424+0.788	59,32	118,73											46,78				112396,45			101020,14
424+10.000	51,47	110,79											496,40				112892,85			101020,14
425+0.000	36,89	88,36											434,42				113327,27			101020,14
425+10.000	23,27	60,16											300,83				113628,10			101020,14
425+10.788	22,35	45,62											17,98				113646,08			101020,14
426+0.000	15,85	38,20											175,95			0,01	113822,03			101020,15
426+8.413	2,88	18,73							1,09	1,09			78,83			5,95	113900,86			101026,10
426+10.000	1,14	4,02							1,86	2,95			3,20			3,04	113904,06			101029,14
427+0.000		1,14							12,85	14,71			5,78			95,45	113909,84			101124,59
427+10.000									22,56	35,41						230,89	113909,84			101355,48
427+18.413									29,68	52,24						291,04	113909,84			101646,52
428+0.000									30,25	59,93						63,66	113909,84			101710,18
428+10.000									32,39	62,64						422,96	113909,84			102133,14
428+11.546	0,08	0,08							30,61	63,00			0,06			66,41	113909,90			102199,55
429+0.000		0,08							25,44	56,05			0,31			324,43	113910,21			102523,98
429+4.679									38,09	63,53						201,04	113910,21			102725,02
429+10.000									50,71	88,80						312,66	113910,21			103037,68



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen								
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado					
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
430+0.000							50,18	100,89								656,12	113910,21				103693,80
430+10.000							40,18	90,36								585,12	113910,21				104278,92
430+14.679							34,80	74,98								228,04	113910,21				104506,96
430+19.667							28,34	63,14								204,72	113910,21				104711,68
431+0.000							27,61	55,95								12,11	113910,21				104723,79
431+10.000							18,23	45,84								298,64	113910,21				105022,43
432+0.000							11,28	29,51								192,22	113910,21				105214,65
432+9.667	0,05	0,05					5,11	16,39	0,24							102,52	113910,45				105317,17
432+10.000	0,07	0,12					4,90	10,01	0,02							2,17	113910,47				105319,34
433+0.000	0,42	0,49					2,18	7,08	2,66							45,68	113913,13				105365,02
433+9.791	2,22	2,64					0,19	2,37	13,39							15,04	113926,52				105380,06
433+10.000	2,25	4,47					0,17	0,36	0,47							0,05	113926,99				105380,11
434+0.000	3,87	6,12						0,17	30,95							1,09	113957,94				105381,20
434+9.916	4,80	8,67							42,79								114000,73				105381,20
434+10.000	4,81	9,61							0,41								114001,14				105381,20
435+0.000	4,07	8,88							44,45								114045,59				105381,20
435+10.000	3,49	7,56					0,15	0,15	38,21							0,97	114083,80				105382,17
435+19.916	4,29	7,78					0,42	0,57	38,78							3,65	114122,58				105385,82
436+0.000	4,29	8,58					0,42	0,84	0,36							0,05	114122,94				105385,87



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes								
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado					
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
437+0.000	4,05	8,34		0,62	1,04								83,37			13,45	114206,31				105399,32
437+17.523	2,06	6,11		2,14	2,76								53,54			31,42	114259,85				105430,74
438+0.000	2,24	4,30		1,47	3,61								5,32			5,81	114265,17				105436,55
438+10.000	2,89	5,13		1,74	3,21								25,61			20,85	114290,78				105457,40
439+0.000	3,20	6,09		2,86	4,60								30,11			30,07	114320,89				105487,47
439+10.000	1,58	4,78		4,58	7,44								23,46			49,00	114344,35				105536,47
439+17.523	0,90	2,48		4,76	9,34								9,08			46,65	114353,43				105583,12
440+0.000	2,14	3,04		4,96	9,72								3,76			15,66	114357,19				105598,78
440+10.000	1,03	3,17		7,01	11,97								15,41			79,71	114372,60				105678,49
440+17.107	0,32	1,35		7,24	14,25								4,66			67,36	114377,26				105745,85
441+0.000	0,28	0,60		7,12	14,36								0,87			27,00	114378,13				105772,85
441+10.000	0,35	0,63		7,16	14,28								3,06			94,98	114381,19				105867,83
441+16.690	0,44	0,79		6,56	13,72								2,56			61,01	114383,75				105928,84
442+0.000	0,46	0,90		7,16	13,72								1,45			30,13	114385,20				105958,97
442+10.000	0,72	1,18		4,72	11,88								5,77			78,47	114390,97				106037,44
443+0.000	1,37	2,09		1,97	6,69								10,33			44,00	114401,30				106081,44
443+10.000	2,12	3,49		1,17	3,14								17,48			20,41	114418,78				106101,85
443+16.690	2,38	4,50		1,15	2,32								15,06			10,09	114433,84				106111,94
444+0.000	2,72	5,10		0,41	1,56								8,44			3,36	114442,28				106115,30



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes						
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado			
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
445+0.000	1,74	4,46					3,49	3,90		44,67			50,66			114486,95			106165,96
446+0.000	4,51	6,25					1,33	4,82		62,55			62,63			114549,50			106228,59
447+0.000	13,09	17,60					4,47	5,80		176,04			75,37			114725,54			106303,96
447+2.922	13,16	26,25					4,05	8,52		38,35			16,17			114763,89			106320,13
447+10.000	12,59	25,75					4,32	8,37		88,79			39,47			114852,68			106359,60
448+0.000	10,36	22,95					3,48	7,80		111,70			51,97			114964,38			106411,57
448+10.000	8,71	19,07					2,55	6,03		92,87			40,16			115057,25			106451,73
449+0.000	5,44	14,15					4,27	6,82		68,98			45,42			115126,23			106497,15
449+10.000	3,43	8,87					2,33	6,60		43,37			43,85			115169,60			106541,00
449+18.525	3,46	6,89					1,24	3,57		28,82			20,20			115198,42			106561,20
450+0.000	3,40	6,86					1,26	2,50		5,06			2,40			115203,48			106563,60
450+10.000	3,15	6,55					1,09	2,35		32,15			15,51			115235,63			106579,11
451+0.000	1,36	4,51					0,98	2,07		22,14			13,64			115257,77			106592,75
451+10.000	0,92	2,28					0,48	1,46		11,19			9,59			115268,96			106602,34
452+0.000	0,98	1,90					0,12	0,60		9,36			3,90			115278,32			106606,24
452+10.000	0,52	1,50					1,71	1,83		7,47			11,84			115285,79			106618,08
452+14.128		0,52					0,79	2,50		1,06			6,70			115286,85			106624,78
452+16.706	0,08	0,08					0,33	1,12		0,10			1,87			115286,95			106626,65
453+0.000	0,17	0,25					0,23	0,56		0,39			1,22			115287,34			106627,87



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes											
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado								
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro					
453+10.000	1,19	1,36					0,23						6,59			1,50				115293,93			106629,37	
454+0.000	2,08	3,27											16,07							115310,00				106629,37
454+0.484	2,17	4,25											1,03							115311,03				106629,37
454+10.000	2,82	4,99											23,46							115334,49				106629,37
455+0.000	2,86	5,68											28,30							115362,79				106629,37
455+4.263	2,57	5,43											11,77							115374,56				106629,37
456+0.000	0,84	3,41											26,77							115401,33				106629,37
457+0.000	1,78	2,62											26,19							115427,52				106629,37
457+15.623	1,42	3,20											25,04							115452,56				106629,37
458+0.000	1,47	2,89											6,34							115458,90				106629,37
458+10.000	1,41	2,88											14,41							115473,31				106629,37
459+0.000	1,70	3,11											15,55							115488,86				106629,37
459+5.645	1,45	3,15											8,89							115497,75				106629,37
459+10.000	0,81	2,26											4,92							115502,67				106629,37
460+0.000	0,69	1,50											7,52							115510,19				106629,37
460+10.000	0,53	1,22											6,10							115516,29				106629,37
460+15.666	0,49	1,02											2,88							115519,17				106629,37
460+18.935	0,27	0,76							0,01	0,01			1,24							115520,41				106629,40
461+0.000	0,27	0,54							0,01	0,02			0,29							115520,70				106629,42



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3														
		Áreas						Volumes								
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial			Acumulado				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
461+10.000	0,29	0,56					0,01	0,02	2,76					115523,46	0,13	106629,55
462+0.000	0,45	0,74						0,01	3,66					115527,12	0,04	106629,59
462+10.000	0,76	1,21							5,98					115533,10		106629,59
462+11.776	0,78	1,54							1,37					115534,47		106629,59
463+0.000	0,66	1,44							5,88					115540,35		106629,59
463+10.000	0,63	1,29							6,40					115546,75		106629,59
464+0.000	0,69	1,32							6,54					115553,29		106629,59
464+4.616	0,71	1,40							3,21					115556,50		106629,59
464+18.840		0,71					1,47	1,47	5,03					115561,53	13,61	106643,20
465+0.000							3,24	4,71						115561,53	3,55	106646,75
465+10.000							8,19	11,43						115561,53	74,73	106721,48
466+0.000							15,27	23,46						115561,53	154,16	106875,64
466+3.889							15,50	30,77						115561,53	78,72	106954,36
466+10.000							18,67	34,17						115561,53	137,16	107091,52
467+0.000							26,29	44,96						115561,53	295,09	107386,61
467+8.937							33,46	59,75						115561,53	350,04	107736,65
468+0.000							37,52	70,98						115561,53	510,42	108247,07
469+0.000							39,78	77,30						115561,53	1004,89	109251,96
470+0.000							19,36	59,14						115561,53	768,75	110020,71



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
471+0.000							12,12	31,48						409,18	115561,53			110429,89
471+19.033	3,19	3,19					7,74	19,86	30,36					245,67	115591,89			110675,56
472+0.000	2,96	6,15					7,47	15,21	2,97					9,56	115594,86			110685,12
472+10.000	2,35	5,31					6,13	13,60	26,51					88,42	115621,37			110773,54
473+0.000	1,61	3,96					7,29	13,42	19,49					88,60	115640,86			110862,14
473+9.033	2,73	4,34					11,21	18,50	19,10					111,85	115659,96			110973,99
473+10.000	2,77	5,50					11,34	22,55	2,66					14,17	115662,62			110988,16
474+0.000	2,18	4,95					14,89	26,23	23,98					177,19	115686,60			111165,35
474+3.881	1,49	3,67					11,53	26,42	6,90					69,15	115693,50			111234,50
474+10.000	1,10	2,59					12,03	23,56	7,67					96,93	115701,17			111331,43
474+18.728	1,08	2,18					12,81	24,84	9,23					145,91	115710,40			111477,34
475+0.000	1,10	2,18					12,36	25,17	1,39					20,81	115711,79			111498,15
475+10.000	0,54	1,64					5,96	18,32	7,98					122,23	115719,77			111620,38
476+0.000	0,12	0,66					7,02	12,98	3,25					85,42	115723,02			111705,80
476+8.728	0,53	0,65					4,25	11,27	2,86					63,97	115725,88			111769,77
477+0.000	1,12	1,65					5,19	9,44	9,34					69,22	115735,22			111838,99
478+0.000		1,12					15,07	20,26	11,25					263,50	115746,47			112102,49
479+0.000							11,88	26,95						350,37	115746,47			112452,86
479+19.924							6,69	18,57						240,45	115746,47			112693,31



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
480+0.000							6,66	13,35						0,66	115746,47			112693,97
480+10.000							4,02	10,68						69,42	115746,47			112763,39
481+0.000	0,23	0,23					1,24	5,26				1,15		34,36	115747,62			112797,75
481+9.924	2,67	2,90					0,03	1,27				14,27		8,30	115761,89			112806,05
481+10.000	2,69	5,36					0,03	0,06				0,20			115762,09			112806,05
482+0.000	10,87	13,56						0,03				66,66		0,19	115828,75			112806,24
482+9.032	15,07	25,94					0,01	0,01				114,83		0,08	115943,58			112806,32
482+10.000	15,47	30,54					0,02	0,03				14,78		0,02	115958,36			112806,34
483+0.000	12,59	28,06					0,09	0,11				137,43		0,71	116095,79			112807,05
483+8.140	4,00	16,59					0,18	0,27				66,15		1,44	116161,94			112808,49
483+10.000	2,68	6,68					0,22	0,40				6,22		0,49	116168,16			112808,98
484+0.000	1,28	3,96					0,97	1,19				19,61		7,88	116187,77			112816,86
484+10.000	0,71	1,99					3,66	4,63				9,94		30,37	116197,71			112847,23
484+18.140	0,20	0,91					7,73	11,39				3,73		60,30	116201,44			112907,53
485+0.000	0,26	0,46					7,84	15,57				0,43		18,83	116201,87			112926,36
486+0.000	4,35	4,61					4,52	12,36				46,07		160,67	116247,94			113087,03
487+0.000	13,03	17,38					0,02	4,54				173,74		59,03	116421,68			113146,06
488+0.000	35,08	48,11						0,02				481,10		0,31	116902,78			113146,37
489+0.000	60,71	95,79										957,98			117860,76			113146,37



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado							
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
490+0.000	82,09	142,80								1428,04					119288,80			113146,37
491+0.000	107,31	189,40								1893,96					121182,76			113146,37
492+0.000	139,37	246,68								2466,78					123649,54			113146,37
493+0.000	155,98	295,35								2953,56					126603,10			113146,37
494+0.000	151,17	307,15								3071,57					129674,67			113146,37
495+0.000	138,43	289,60								2896,04					132570,71			113146,37
496+0.000	127,91	266,34								2663,41					135234,12			113146,37
497+0.000	111,69	239,60								2396,02					137630,14			113146,37
498+0.000	79,48	191,17								1911,77					139541,91			113146,37
498+5.128	69,30	148,78								381,44					139923,35			113146,37
498+10.000	60,99	130,29								317,41					140240,76			113146,37
499+0.000		60,99								307,16					140547,92			113146,37
499+10.000	23,99	23,99					0,01	0,01	0,01	123,62					140671,54	0,06		113146,43
499+15.128	10,85	34,84						0,01	0,01	92,26					140763,80	0,03		113146,46
500+0.000	7,07	17,92						0,07	0,07	43,67					140807,47	0,23		113146,69
500+10.000	3,28	10,35					3,06	3,13	3,13	50,16					140857,63	21,41		113168,10
501+0.000	0,02	3,30					10,82	13,88	13,88	15,58					140873,21	93,92		113262,02
501+1.602		0,02					11,95	22,77	22,77	0,01					140873,22	24,58		113286,60
501+10.000							12,69	24,64	24,64						140873,22	138,95		113425,55



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.					2ª Cat.	3ª Cat.		
502+0.000							14,55	27,24								182,78	140873,22			113608,33
502+8.077							11,61	26,16								141,68	140873,22			113750,01
502+10.000							11,54	23,15								29,72	140873,22			113779,73
503+0.000							13,07	24,61								163,21	140873,22			113942,94
503+10.000							13,29	26,36								173,23	140873,22			114116,17
503+18.077							16,28	29,57								155,22	140873,22			114271,39
504+0.000							17,41	33,69								42,11	140873,22			114313,50
505+0.000							19,54	36,95								480,32	140873,22			114793,82
506+0.000							22,59	42,13								547,61	140873,22			115341,43
507+0.000							19,55	42,14								547,78	140873,22			115889,21
508+0.000							16,92	36,47								474,14	140873,22			116363,35
509+0.000							6,01	22,93								298,13	140873,22			116661,48
510+0.000							6,49	12,50								162,44	140873,22			116823,92
510+0.295							6,44	12,93								2,48	140873,22			116826,40
510+10.000							4,24	10,68								66,91	140873,22			116893,31
511+0.000							4,74	8,98								57,12	140873,22			116950,43
511+10.000							1,79	6,53								41,48	140873,22			116991,91
511+10.295							1,76	3,55								0,68	140873,22			116992,59
512+0.000	0,10	0,10					3,92	5,68								35,84	140873,77			117028,43



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen						
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado			
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
512+10.000	0,02	0,12					3,12	7,04		0,67			45,36			140874,44			117073,79
512+17.774	0,25	0,27				3,43	6,55		1,13			32,32			140875,57			117106,11	
513+0.000	0,33	0,58				3,89	7,32		0,69			10,26			140876,26			117116,37	
513+10.000	5,22	5,55				2,02	5,91		29,47			36,83			140905,73			117153,20	
514+0.000	12,19	17,41				0,19	2,21		91,71			13,56			140997,44			117166,76	
514+5.252	15,67	27,86				0,06	0,25		76,66			0,81			141074,10			117167,57	
514+10.000	22,07	37,74				0,03	0,09		93,13			0,28			141167,23			117167,85	
515+0.000	29,20	51,27				0,01	0,04		262,27			0,27			141429,50			117168,12	
515+10.000	34,30	63,50				0,02	0,03		321,70			0,22			141751,20			117168,34	
515+15.252	34,67	68,97				0,06	0,08		181,13			0,29			141932,33			117168,63	
516+0.000	35,94	70,61				0,09	0,15		167,64			0,48			142099,97			117169,11	
516+0.929	36,17	72,11				0,10	0,19		33,50			0,12			142133,47			117169,23	
516+10.000	32,14	68,31				0,38	0,48		309,80			2,85			142443,27			117172,08	
517+0.000	26,73	58,87				1,22	1,60		288,59			10,70			142731,86			117182,78	
517+10.000	23,05	49,78				3,53	4,75		239,02			32,53			142970,88			117215,31	
517+10.929	22,66	45,71				3,77	7,30		21,23			4,41			142992,11			117219,72	
518+0.000	17,65	40,31				7,03	10,80		173,02			68,14			143165,13			117287,86	
518+7.617	13,66	31,31				8,58	15,61		112,82			82,88			143277,95			117370,74	
518+10.000	12,55	26,21				9,41	17,99		29,54			29,92			143307,49			117400,66	



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes					
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
519+0.000	10,48	23,03					12,16	21,57	108,77					150,18	143416,26	117550,84
519+4.304	10,82	21,30					12,10	24,26	43,24					72,59	143459,50	117623,43
519+10.000	8,89	19,71					12,65	24,75	53,25					97,19	143512,75	117720,62
520+0.000	1,21	10,10					11,72	24,37	48,69					164,86	143561,44	117885,48
520+10.000	0,51	1,72					9,29	21,01	8,49					139,11	143569,93	118024,59
520+14.304	0,65	1,16					8,37	17,66	2,50					49,42	143572,43	118074,01
521+0.000	0,21	0,86					7,51	15,88	2,44					58,81	143574,87	118132,82
522+0.000	0,22	0,43					6,48	13,99	4,29					181,91	143579,16	118314,73
523+0.000		0,22					13,73	20,21	2,21					262,80	143581,37	118577,53
524+0.000							14,04	27,77						361,05	143581,37	118938,58
525+0.000	2,17	2,17					12,35	26,39	21,75					343,08	143603,12	119281,66
526+0.000	5,61	7,78					10,56	22,91	77,86					297,78	143680,98	119579,44
527+0.000	6,03	11,64					10,68	21,24	116,44					276,01	143797,42	119855,45
528+0.000	7,94	13,97					11,01	21,69	139,70					281,91	143937,12	120137,36
529+0.000	8,84	16,78					10,61	21,62	167,76					281,06	144104,88	120418,42
530+0.000	11,05	19,89					9,22	19,83	198,85					257,78	144303,73	120676,20
531+0.000	11,00	22,05					9,02	18,24	220,43					237,04	144524,16	120913,24
532+0.000	8,63	19,63					10,77	19,79	196,27					257,17	144720,43	121170,41
533+0.000	4,33	12,96					18,03	28,80	129,61					374,35	144850,04	121544,76



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes						
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado			
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
533+2.495	3,79	8,12					19,58	37,61	10,13				61,01	144860,17					121605,77
533+10.000	0,71	4,50				25,25	44,83	16,87				218,68	144877,04						121824,45
534+0.000		0,71				31,79	57,04	3,55				370,75	144880,59						122195,20
534+10.000						36,22	68,01					447,71	144880,59						122642,91
535+0.000						39,33	75,55					500,37	144880,59						123143,28
535+10.000	0,19	0,19				33,62	72,95	0,93				485,54	144881,52						123628,82
536+0.000	1,56	1,75				28,32	61,94	8,45				413,72	144889,97						124042,54
536+2.495	2,10	3,66				28,44	56,76	4,38				95,02	144894,35						124137,56
536+10.000	2,71	4,81				22,62	51,06	17,27				256,44	144911,62						124394,00
537+0.000	4,15	6,86				21,41	44,03	32,86				292,87	144944,48						124686,87
537+2.791	4,83	8,98				20,37	41,78	12,03				77,49	144956,51						124764,36
537+10.000	4,95	9,78				23,22	43,59	33,88				208,98	144990,39						124973,34
538+0.000	5,08	10,03				28,98	52,20	48,24				349,05	145038,63						125322,39
538+3.087	5,28	10,36				28,75	57,73	15,40				119,73	145054,03						125442,12
538+10.000	3,94	9,22				23,29	52,04	30,79				240,99	145084,82						125683,11
539+0.000	2,05	5,99				24,24	47,53	29,12				317,07	145113,94						126000,18
539+10.000	0,89	2,94				18,84	43,08	14,39				285,84	145128,33						126286,02
540+0.000	0,87	1,76				16,36	35,20	8,65				232,02	145136,98						126518,04
540+10.000	2,04	2,91				10,70	27,06	14,36				177,60	145151,34						126695,64



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
541+0.000	5,66	7,70					4,59	15,29					38,50			145189,84			99,42	126795,06
541+3.087	7,27	12,93					3,36	7,95					19,96			145209,80			15,95	126811,01
542+0.000	36,19	43,46						3,36					367,53			145577,33			36,89	126847,90
543+0.000	48,99	85,18											851,87			146429,20				126847,90
544+0.000	21,22	70,21					1,12	1,12					702,14			147131,34			14,52	126862,42
544+5.918	11,72	32,94					1,83	2,95					97,48			147228,82			11,33	126873,75
544+10.000	7,32	19,04					2,11	3,94					38,88			147267,70			10,45	126884,20
545+0.000	1,95	9,27					4,26	6,37					46,35			147314,05			41,42	126925,62
545+10.000	0,07	2,02					6,20	10,46					10,17			147324,22			67,57	126993,19
546+0.000		0,07					4,09	10,29					0,34			147324,56			66,41	127059,60
546+10.000	0,06	0,06					2,39	6,48					0,32			147324,88			41,94	127101,54
547+0.000	1,53	1,59					1,67	4,06					8,14			147333,02			26,36	127127,90
547+5.918	3,44	4,97					1,34	3,01					14,92			147347,94			11,61	127139,51
547+10.000	2,86	6,30					1,89	3,23					13,01			147360,95			8,63	127148,14
548+0.000	4,41	7,27					1,16	3,05					36,93			147397,88			19,88	127168,02
548+10.000	2,86	7,27					1,68	2,84					37,07			147434,95			18,32	127186,34
548+16.181	2,52	5,38					2,67	4,35					17,01			147451,96			17,31	127203,65
549+0.000	2,26	4,78					3,13	5,80					9,35			147461,31			14,27	127217,92
549+10.000	2,10	4,36					2,62	5,75					22,39			147483,70			37,11	127255,03



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes													
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado										
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro							
550+0.000	0,97	3,07					4,02	6,64		15,81						147499,51			42,88						127297,91	
550+6.443	0,12	1,09					6,06	10,08		3,61						147503,12			41,96							127339,87
550+10.000		0,12					6,95	13,01		0,21						147503,33			29,93							127369,80
551+0.000							10,06	17,01								147503,33			110,35							127480,15
551+10.000							10,79	20,85								147503,33			135,42							127615,57
552+0.000							11,56	22,35								147503,33			145,16							127760,73
552+10.000							11,82	23,38								147503,33			151,95							127912,68
553+0.000							11,38	23,20								147503,33			150,78							128063,46
553+6.443							11,30	22,68								147503,33			94,99							128158,45
554+0.000							11,67	22,97								147503,33			202,37							128360,82
555+0.000							13,68	25,35								147503,33			329,52							128690,34
556+0.000							13,53	27,21								147503,33			353,71							129044,05
557+0.000							10,25	23,78								147503,33			309,09							129353,14
558+0.000	0,57	0,57					6,21	16,46		5,69						147509,02			213,91							129567,05
559+0.000	2,59	3,16					4,04	10,25		31,60						147540,62			133,22							129700,27
559+4.789	3,66	6,25					3,50	7,54		14,96						147555,58			23,48							129723,75
559+10.000	4,15	7,81					2,74	6,24		20,34						147575,92			21,14							129744,89
560+0.000	3,68	7,83						2,74		39,17						147615,09			17,81							129762,70
560+10.000	2,73	6,41					0,42	0,42		32,09						147647,18			2,72							129765,42



Cálculo de Volumes

Rodovia: Municipal		TRECHO 4.3														
		Áreas						Volumes								
Estaca	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
561+0.000	4,29	7,02					0,03	0,45	35,13			147682,31			2,93	129768,35
561+5.310	5,68	9,97					0,01	0,04	26,47			147708,78			0,14	129768,49
561+10.000	7,21	12,89						0,01	30,21			147738,99			0,03	129768,52
562+0.000	6,20	13,41							67,02			147806,01			0,03	129768,55
562+10.000	4,39	10,59					0,01	0,01	52,92			147858,93			0,09	129768,64
563+0.000	6,37	10,76						0,01	53,77			147912,70			0,09	129768,73
563+5.832	9,17	15,54							45,30			147958,00				129768,73
564+0.000	10,83	20,00							141,70			148099,70				129768,73
565+0.000	16,03	26,86							268,61			148368,31				129768,73
566+0.000	22,51	38,54							385,40			148753,71				129768,73
567+0.000	18,85	41,36							413,59			149167,30			0,03	129768,76
568+0.000	13,78	32,63					0,06	0,06	326,32			149493,62			0,87	129769,63
569+0.000	11,34	25,12					0,16	0,22	251,27			149744,89			2,89	129772,52
570+0.000	4,83	16,17					0,74	0,90	161,71			149906,60			11,71	129784,23
571+0.000	2,15	6,98					1,31	2,05	69,78			149976,38			26,75	129810,98
571+4.526	2,07	4,22					1,25	2,56	9,56			149985,94			7,55	129818,53
571+10.000	1,25	3,32					1,82	3,07	9,11			149995,05			10,93	129829,46
572+0.000		1,25					3,62	5,44	6,27			150001,32			35,38	129864,84
572+10.000							7,62	11,24				150001,32			73,10	129937,94



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.					2ª Cat.	3ª Cat.		
573+0.000							8,20	15,82								102,13	150001,32			130040,07
573+4.526							7,59	15,79								46,47	150001,32			130086,54
573+10.000							8,72	16,31								57,60	150001,32			130144,14
574+0.000							11,23	19,95								128,80	150001,32			130272,94
574+10.000							13,32	24,55								158,66	150001,32			130431,60
574+13.203							14,76	28,08								58,45	150001,32			130490,05
575+0.000							17,75	32,51								142,83	150001,32			130632,88
575+10.000							19,38	37,13								240,21	150001,32			130873,09
576+0.000							18,09	37,47								242,39	150001,32			131115,48
576+1.881							16,67	34,76								42,49	150001,32			131157,97
576+10.000	0,11	0,11					5,36	22,03	0,46							116,00	150001,78			131273,97
577+0.000		0,11					15,32	20,68	0,57							135,40	150002,35			131409,37
577+10.000							15,71	31,03								201,70	150002,35			131611,07
578+0.000							21,56	37,27								242,29	150002,35			131853,36
578+1.881							22,66	44,22								54,06	150002,35			131907,42
579+0.000							20,42	43,08								507,42	150002,35			132414,84
580+0.000	1,49	1,49					3,66	24,08	14,90							313,12	150017,25			132727,96
581+0.000	11,09	12,58						3,66	125,83							47,64	150143,08			132775,60
581+9.838	15,88	26,97							132,69								150275,77			132775,60



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
581+10.000	15,97	31,85								2,58						150278,35			132775,60
582+0.000	23,42	39,39								196,92						150475,27			132775,60
582+10.000	31,85	55,27								276,34						150751,61			132775,60
583+0.000	38,09	69,94								349,73						151101,34			132775,60
583+10.000	39,40	77,49								388,70						151490,04			132775,60
584+0.000	34,33	73,73								370,06						151860,10			132775,60
584+9.838	22,30	56,63								279,63						152139,73			132775,60
584+10.000	22,02	44,32								3,59						152143,32			132775,60
585+0.000	6,18	28,20					0,25	0,25		141,51				1,61		152284,83			132777,21
585+10.000	0,92	7,10					2,50	2,75		35,67				17,65		152320,50			132794,86
585+18.344		0,92					3,88	6,38		3,86				34,26		152324,36			132829,12
586+0.000							4,29	8,17						8,79		152324,36			132837,91
586+10.000	0,01	0,01					3,06	7,35		0,03				47,66		152324,39			132885,57
587+0.000	0,53	0,54					1,63	4,69		2,64				30,70		152327,03			132916,27
587+6.849	0,86	1,39					1,93	3,56		4,70				16,08		152331,73			132932,35
587+10.000	0,16	1,02					2,28	4,21		1,60				8,63		152333,33			132940,98
588+0.000		0,16					5,17	7,45		0,78				48,62		152334,11			132989,60
588+10.000							6,76	11,93						77,54		152334,11			133067,14
589+0.000							9,79	16,55						107,46		152334,11			133174,60



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado		1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.					2ª Cat.	3ª Cat.		
589+10.000							11,56	21,35								138,77	152334,11			133313,37
590+0.000							12,20	23,76								154,43	152334,11			133467,80
590+6.849							12,31	24,51								109,10	152334,11			133576,90
591+0.000							11,57	23,88								204,07	152334,11			133780,97
592+0.000							12,06	23,63								307,09	152334,11			134088,06
593+0.000							16,11	28,17								366,10	152334,11			134454,16
594+0.000							15,12	31,23								405,88	152334,11			134860,04
595+0.000	0,58	0,58					8,45	23,57				5,76				306,40	152339,87			135166,44
595+8.907	14,27	14,85					4,20	12,65				66,10				73,24	152405,97			135239,68
595+10.000	17,14	31,41					3,30	7,50				17,17				5,33	152423,14			135245,01
596+0.000	42,90	60,04						3,30				300,23				21,46	152723,37			135266,47
596+10.000	59,10	102,00										501,65					153225,02			135266,47
597+0.000	78,25	137,35										669,40					153894,42			135266,47
597+8.907	94,37	172,62										742,74					154637,16			135266,47
597+10.000	95,64	190,01										103,87					154741,03			135266,47
598+0.000	106,87	202,51										975,95					155716,98			135266,47
598+10.000	109,08	215,95										1043,60					156760,58			135266,47
598+10.333	108,85	217,93										36,29					156796,87			135266,47
599+0.000	98,60	207,45										970,78					157767,65			135266,47



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
599+10.000	81,43	180,03								872,25						158639,90			135266,47
599+11.759	77,65	159,08								139,95						158779,85			135266,47
600+0.000	60,40	138,05								552,81						159332,66			135266,47
600+10.000	42,01	102,41								500,57						159833,23			135266,47
601+0.000	21,11	63,12				0,84	0,84			310,53				5,52		160143,76			135271,99
601+10.000	15,36	36,47				4,72	5,56			182,32				36,11		160326,08			135308,10
601+11.759	15,01	30,37				5,36	10,08			26,71				11,52		160352,79			135319,62
602+0.000	11,84	26,85				8,51	13,87			110,63				74,27		160463,42			135393,89
603+0.000		11,84				11,60	20,11			118,42				261,35		160581,84			135655,24
604+0.000						10,66	22,26							289,41		160581,84			135944,65
605+0.000	0,03	0,03				7,17	17,83			0,30				231,80		160582,14			136176,45
606+0.000	7,86	7,89				0,15	7,32			78,93				95,12		160661,07			136271,57
607+0.000	19,50	27,36					0,15			273,61				1,96		160934,68			136273,53
608+0.000	16,64	36,14								361,37						161296,05			136273,53
608+15.967	11,36	28,00								223,55						161519,60			136273,53
609+0.000	11,26	22,62								45,63						161565,23			136273,53
609+10.000	10,19	21,45								107,27						161672,50			136273,53
610+0.000	10,23	20,42								102,54						161775,04			136273,53



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas										Volumes								
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
610+5,967	11,96	22,19								66,69						161841,73			136273,53
610+10,000	10,27	22,23								44,83						161886,56			136273,53
611+0,000	6,40	16,67								84,05						161970,61			136273,53
611+1,312	5,85	12,25								8,04						161978,65			136273,53
611+10,000	1,75	7,60					0,01	0,01		33,21						162011,86	0,07		136273,60
611+16,657	0,96	2,71					0,33	0,34		8,99						162020,85	1,48		136275,08
612+0,000	0,57	1,53					0,62	0,95		2,56						162023,41	2,07		136277,15
612+10,000	0,03	0,60					2,37	2,99		2,97						162026,38	19,56		136296,71
613+0,000		0,03					3,27	5,64		0,15						162026,53	36,71		136333,42
613+6,657	0,01	0,01					3,55	6,82		0,03						162026,56	29,53		136362,95
614+0,000	0,12	0,13					3,79	7,34		0,84						162027,40	63,63		136426,58
615+0,000	0,06	0,18					3,99	7,78		1,76						162029,16	101,05		136527,63
616+0,000		0,06					5,96	9,95		0,60						162029,76	129,34		136656,97
617+0,000							12,99	18,95								162029,76	246,39		136903,36
618+0,000							19,27	32,26								162029,76	419,39		137322,75
618+11,405							27,95	47,22								162029,76	350,06		137672,81
619+0,000							35,44	63,39								162029,76	354,12		138026,93
619+10,000							40,07	75,51								162029,76	492,23		138519,16
620+0,000							39,08	79,15								162029,76	522,62		139041,78



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumen						
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado								
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro				
620+1.405							37,88	76,96							70,30	162029,76			139112,08
620+10.000								37,88							217,15	162029,76			139329,23
620+18.407							35,71	35,71							195,61	162029,76			139524,84
621+0.000							35,97	71,68							74,35	162029,76			139599,19
621+10.000							37,15	73,12							474,76	162029,76			140073,95
621+15.408							36,86	74,01							259,30	162029,76			140333,25
622+0.000							36,31	73,17							217,29	162029,76			140550,54
622+10.000							28,21	64,52							417,39	162029,76			140967,93
623+0.000	0,04	0,04					18,91	47,12				0,21			304,84	162029,97			141272,77
623+5.408	1,28	1,32					14,96	33,87				3,58			119,08	162033,55			141391,85
623+7.873	2,35	3,63					13,67	28,63				4,48			45,89	162038,03			141437,74
623+10.000	3,55	5,90					12,69	26,36				6,28			36,45	162044,31			141474,19
624+0.000	12,54	16,09					8,60	21,29				80,43			138,38	162124,74			141612,57
624+10.000	18,15	30,69					6,54	15,14				151,69			99,84	162276,43			141712,41
625+0.000	16,18	34,33					5,74	12,28				168,49			81,78	162444,92			141794,19
625+7.873	14,55	30,73					5,90	11,64				117,70			61,51	162562,62			141855,70
625+10.000	13,12	27,67					6,28	12,18				29,43			16,85	162592,05			141872,55
626+0.000	8,56	21,68					7,65	13,93				104,77			93,46	162696,82			141966,01
626+10.000	4,57	13,13					9,02	16,67				63,28			111,35	162760,10			142077,36



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3

Estaca	Áreas												Volumes							
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado				
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
627+0.000	2,12	6,69					10,46	19,48					32,18			129,74				142207,10
627+10.000	0,66	2,78					11,50	21,96					13,37			145,97				142353,07
628+0.000	0,05	0,71					11,76	23,26					3,40			154,39				142507,46
628+10.000		0,05					12,65	24,41					0,22			161,87				142669,33
628+14.726							13,30	25,95								81,30				142750,63
629+0.000							13,76	27,06								94,70				142845,33
629+10.000							14,34	28,10								186,77				143032,10
630+0.000							13,87	28,21								187,69				143219,79
630+10.000							11,01	24,88								165,63				143385,42
631+0.000	0,02	0,02					7,99	19,00					0,09			126,72				143512,14
631+10.000	0,31	0,33					5,47	13,46					1,59			90,08				143602,22
632+0.000	0,96	1,27					3,25	8,72					6,15			58,58				143660,80
632+1.578	1,06	2,02					2,93	6,18					1,59			6,34				143667,14
632+10.000	1,37	2,43					1,44	4,37					9,93			24,69				143691,83
633+0.000	3,30	4,67					0,68	2,12					22,89			14,10				143705,93
633+10.000	6,40	9,70					0,32	1,00					47,91			6,60				143712,53
634+0.000	8,21	14,61					0,10	0,42					73,07			2,71				143715,24
634+1.578	8,52	16,73					0,10	0,20					13,21			0,20				143715,44
635+0.000	6,62	15,14					0,03	0,13					139,51			1,55				143716,99

2.2 INTERSEÇÃO 01



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3 - IT-01

Estaca	Áreas						Volumes									
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial		Acumulado					
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	
Ramo A																
0+0.000							1,45	1,45								
0+0.000							1,45	2,90								
0+10.000	0,6	0,60					0,67	2,12	3,01					14,59	3,01	14,59
0+19.133		0,60					3,89	4,56	2,75					30,81	5,76	45,40
1+0.000							4,41	8,30						5,39	5,76	50,79
1+10.000	0,39	0,39					7,85	12,26	1,97					101,59	7,73	152,38
1+18.265	1,33	1,72					3,41	11,26	7,29					80,10	15,02	232,48
2+0.000	1,57	2,90					2,58	5,99	2,52					6,75	17,54	239,23
2+10.000	2,55	4,12						2,58	20,62					16,75	38,16	255,98
3+0.000	1,87	4,42							22,11						60,27	255,98
3+10.000	1,72	3,59							17,94						78,21	255,98
4+0.000	1,61	3,33							16,64						94,85	255,98
4+3.050	1,81	3,42							5,22						100,07	255,98
Ramo B																
0+0.000	1,83	1,83													100,07	255,98
0+10.000	1,57	3,40							17,04						117,11	255,98
0+18.799	1,22	2,79					0,01	0,01	12,30					0,04	129,41	256,02
1+0.000	1,15	2,37					0,01	0,02	1,44					0,01	130,85	256,03



Cálculo de Volumes

Rodovia: Municipal

TRECHO 4.3 - IT-01

Estaca	Áreas									Volumen												
	Corte - 1ª Cat.			Corte - 2ª Cat.			Corte - 3ª Cat.			Aterro			Parcial			Acumulado						
	Parcial	Soma		Parcial	Soma		Parcial	Soma		Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	1ª Cat.	2ª Cat.	3ª Cat.	Aterro			
1+10.000	0,64	1,79							0,07	0,08				9,20					0,51	140,05		256,54
2+0.000		0,64						2,22	2,29					3,40					15,77	143,45		272,31
2+5.128								3,60	5,82										20,81	143,45		293,12
2+10.000								7,72	11,32										41,16	143,45		334,28
3+0.000	0,11	0,11						3,09	10,81					0,53					81,82	143,98		416,10
3+10.000	0,07	0,18						1,47	4,56					0,89					32,76	144,87		448,86
3+11.458	0,11	0,18						1,30	2,77					0,13					2,80	145,00		451,66
3+11.458	0,11	0,22						1,30	2,60											145,00		451,66
VOLUME CORTE 1ª CATEGORIA =145.00m³																						
VOLUME CORTE 2ª CATEGORIA =0m³																						
VOLUME CORTE 3ª CATEGORIA =0m³																						
VOLUME DE ATERRO =451.66m³																						

3. NOTAS DE SERVIÇO DE TERRAPLENAGEM

3.1 PISTA PRINCIPAL



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)										
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	Afast	Cota	Alt						
0+0.000		-11,126	28,212	-3,617	31,829	5,700	31,829	-3,500	31,895	-3,000	32,000	28,280	3,720	3,500	32,101	2,890	5,700	32,165	11,408	28,359	-3,806	11,408	28,359	-3,806							
0+1.854	PC	-11,047	28,194	-3,556	31,750	5,714	31,821	-3,514	31,821	-3,200	31,933	28,266	3,667	3,487	32,045	3,200	5,687	32,115	11,354	28,337	-3,778	11,354	28,337	-3,778							
0+10.000		-10,698	28,123	-3,251	31,374	5,823	31,474	-3,622	31,474	-4,560	31,639	28,204	3,435	3,378	31,793	4,560	5,578	31,893	10,958	28,307	-3,586	10,958	28,307	-3,586							
1+0.000		-10,255	28,030	-2,878	30,908	5,938	30,908	-3,738	31,045	-6,220	31,278	28,106	3,172	3,263	31,481	6,220	5,463	31,618	10,365	28,350	-3,268	10,365	28,350	-3,268							
1+10.000		-9,797	27,931	-2,510	30,441	6,032	30,441	-3,832	30,614	-7,890	30,917	28,140	2,777	3,168	31,167	7,890	5,368	31,340	9,654	28,483	-2,857	9,654	28,483	-2,857							
2+0.000		-9,424	27,882	-2,212	30,094	6,106	30,094	-3,906	30,270	-8,000	30,583	28,291	2,292	3,095	30,830	8,000	5,295	31,006	8,859	28,630	-2,376	8,859	28,630	-2,376							
2+10.000		-9,016	27,906	-1,905	29,811	6,157	29,811	-3,957	29,987	-8,000	30,304	28,320	1,984	3,043	30,547	8,000	5,243	30,723	8,213	28,743	-1,980	8,213	28,743	-1,980							
3+0.000		-8,521	28,028	-1,556	29,584	6,187	29,584	-3,987	29,760	-8,000	30,079	28,507	1,572	3,013	30,320	8,000	5,213	30,496	7,671	28,858	-1,638	7,671	28,858	-1,638							
3+8.267		-8,521	27,884	-1,556	29,440	6,187	29,440	-3,987	29,616	-8,000	29,935	28,607	1,328	3,013	30,176	8,000	5,213	30,352	7,671	28,714	-1,638	7,671	28,714	-1,638							
3+10.000		-7,941	28,249	-1,165	29,414	6,194	29,414	-3,994	29,590	-8,000	29,909	28,623	1,287	3,006	30,150	8,000	5,206	30,326	7,044	29,100	-1,226	7,044	29,100	-1,226							
4+0.000		-7,640	28,326	-0,974	29,300	6,179	29,300	-3,979	29,476	-8,000	29,794	28,689	1,105	3,021	30,036	8,000	5,221	30,212	6,714	29,217	-0,995	6,714	29,217	-0,995							
4+10.000		-7,421	28,389	-0,853	29,242	6,142	29,242	-3,942	29,418	-8,000	29,734	28,837	0,897	3,058	29,978	8,000	5,258	30,154	6,428	29,375	-0,779	6,428	29,375	-0,779							
5+0.000		-7,134	28,540	-0,701	29,241	6,083	29,241	-3,883	29,417	-8,000	29,728	29,038	0,690	3,118	29,977	8,000	5,318	30,153	6,266	29,521	-0,632	6,266	29,521	-0,632							
5+10.000		-6,272	29,158	-0,180	29,338	6,002	29,338	-3,802	29,499	-7,310	29,777	29,177	0,600	3,198	30,011	7,310	5,398	30,172	5,983	29,782	-0,390	5,983	29,782	-0,390							
6+0.000		-5,923	29,780	0,035	29,745	5,900	29,745	-3,700	29,796	-2,280	29,880	29,987	-0,107	3,300	30,067	5,650	5,500	30,191	6,196	29,727	-0,464	6,196	29,727	-0,464							
6+10.000		-5,908	30,197	0,194	30,003	5,778	30,003	-3,578	30,016	-0,620	30,038	29,784	0,254	3,423	30,174	3,980	5,623	30,262	5,841	30,117	-0,145	5,841	30,117	-0,145							



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
6+14.680	PT	-5,804	30,276	0,136	-5,714	30,140	-3,514	30,137	0,160	30,131	29,892	0,239	3,487	30,243	3,200	5,687	30,313	6,110	30,944	0,631			
7+0.000		-5,167	30,260	-0,045	-5,100	30,305	-3,000	30,282	1,050	30,251	29,933	0,318	3,000	30,320	2,310	5,100	30,369	5,513	30,985	0,616			
7+10.500	PC	-6,559	30,025	-0,664	-5,564	30,689	-3,464	30,630	2,800	30,533	29,995	0,538	3,464	30,553	0,560	5,564	30,564	5,972	31,173	0,609			
8+0.000		-7,724	29,601	-1,459	-5,535	31,060	-3,435	30,967	4,470	30,813	30,089	0,724	3,435	30,660	-4,470	5,535	30,566	5,831	31,007	0,441			
8+10.000		-8,457	29,483	-1,968	-5,504	31,451	-3,404	31,320	6,240	31,108	30,253	0,855	3,405	30,895	-6,240	5,505	30,764	6,492	30,106	-0,658			
8+15.005		-8,231	29,819	-1,821	-5,500	31,640	-3,400	31,493	7,000	31,255	30,315	0,940	3,400	31,017	-7,000	5,500	30,870	6,776	30,020	-0,850			
9+0.000		-7,840	30,175	-1,570	-5,486	31,745	-3,386	31,614	6,240	31,403	30,415	0,987	3,386	31,191	-6,240	5,486	31,060	6,801	30,184	-0,876			
9+10.000		-7,100	30,799	-1,139	-5,390	31,938	-3,290	31,844	4,470	31,697	30,678	1,020	3,291	31,550	-4,470	5,391	31,456	6,479	30,730	-0,726			
9+19.510	PT	-6,247	31,495	-0,631	-5,300	32,126	-3,200	32,067	2,800	31,978	30,927	1,051	3,200	31,882	-3,000	5,300	31,819	6,151	31,251	-0,568			
10+0.000		-6,203	31,531	-0,605	-5,295	32,136	-3,195	32,079	2,720	31,992	30,945	1,047	3,195	31,896	-3,000	5,295	31,833	6,103	31,295	-0,538			
11+0.000		-6,261	31,780	-0,770	-5,105	32,550	-3,005	32,563	-0,610	32,581	31,824	0,757	3,005	32,491	-3,000	5,105	32,428	5,877	33,581	1,153			
12+0.000		-5,130	33,063	0,045	-5,100	33,018	-3,000	33,081	-3,000	33,171	33,336	-0,165	3,000	33,081	-3,000	5,100	33,018	6,587	35,237	2,219			
13+0.000		-5,433	34,104	0,497	-5,100	33,607	-3,000	33,670	-3,000	33,760	34,320	-0,560	3,000	33,670	-3,000	5,100	33,607	6,769	36,098	2,491			
14+0.000		-5,470	34,749	0,552	-5,100	34,197	-3,000	34,260	-3,000	34,350	34,941	-0,592	3,000	34,260	-3,000	5,100	34,197	6,649	36,509	2,312			
15+0.000		-5,265	35,032	0,246	-5,100	34,786	-3,000	34,849	-3,000	34,939	35,334	-0,395	3,000	34,849	-3,000	5,100	34,786	6,319	36,605	1,819			
16+0.000		-5,499	35,078	-0,266	-5,100	35,344	-3,000	35,407	-3,000	35,497	34,589	0,908	3,000	35,407	-3,000	5,100	35,344	5,433	35,841	0,497			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Afast	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
17+0.000		-8,674	33,296	-2,383	-5,100	35,679	-3,000	35,742	-3,000	35,832	33,864	1,967	3,000	35,742	-3,000	3,000	35,679	5,100	7,285	34,222	-1,457		
18+0.000		-7,503	34,157	-1,602	-5,100	35,759	-3,000	35,822	-3,000	35,912	34,101	1,811	3,000	35,822	-3,000	3,000	35,759	5,100	5,644	35,396	-0,363		
18+16.642	TS	-6,654	34,749	-1,036	-5,100	35,785	-3,000	35,785	0,000	35,785	34,525	1,259	3,000	35,695	-3,000	3,000	35,576	6,939	7,535	36,466	0,890		
19+0.000		-6,557	34,838	-0,941	-5,145	35,779	-3,045	35,762	0,810	35,738	34,605	1,132	3,045	35,646	-3,000	3,045	35,524	7,135	7,879	36,634	1,110		
19+10.000		-6,200	35,110	-0,614	-5,278	35,724	-3,178	35,657	3,210	35,555	34,840	0,715	3,178	35,453	-3,210	3,178	35,322	7,269	8,441	37,072	1,750		
20+0.000		-5,885	35,297	-0,315	-5,411	35,612	-3,311	35,494	5,610	35,309	34,994	0,315	3,311	35,123	-5,610	3,311	34,894	7,405	9,072	37,383	2,489		
20+6.642	EC	-6,132	35,085	-0,421	-5,500	35,506	-3,400	35,355	7,200	35,110	34,897	0,213	3,400	34,865	-7,200	3,400	34,571	7,489	9,34	37,334	2,763		
20+10.000		-6,011	35,054	-0,341	-5,500	35,395	-3,400	35,244	7,200	34,999	34,850	0,149	3,400	34,754	-7,200	3,400	34,458	7,506	9,441	37,347	2,889		
21+0.000		-5,512	35,072	0,019	-5,500	35,053	-3,400	34,902	7,200	34,657	34,691	-0,033	3,400	34,412	-7,200	3,400	34,118	7,49	9,74	37,476	3,358		
21+1.579				-34,999	-5,500	34,999	-3,400	34,848	7,200	34,603	34,646	-0,043	3,400	34,358	-7,200	3,400	34,062	7,517	9,818	37,497	3,435		
21+10.000		-5,555	34,675	-0,036	-5,500	34,711	-3,400	34,560	7,200	34,315	34,385	-0,069	3,400	34,071	-7,200	3,400	33,776	7,49	9,946	37,442	3,666		
21+16.516	CE	-5,522	34,522	0,033	-5,500	34,489	-3,400	34,338	7,200	34,093	34,184	-0,091	3,400	33,848	-7,200	3,400	33,553	7,497	10,048	37,362	3,809		
22+0.000		-5,469	34,344	0,023	-5,453	34,321	-3,353	34,187	6,360	33,974	34,077	-0,103	3,354	33,760	-6,360	3,354	33,5	7,451	10,001	37,305	3,805		
22+10.000		-5,500	33,723	-0,120	-5,320	33,843	-3,220	33,760	3,960	33,632	33,766	-0,134	3,220	33,504	-3,960	3,220	33,342	7,318	9,879	37,164	3,822		
23+0.000				-33,371	-5,187	33,371	-3,087	33,339	1,560	33,290	33,425	-0,134	3,087	33,198	-3,000	3,087	33,075	7,18	9,991	37,271	4,196		
23+6.516	ET	-5,127	33,049	-0,019	-5,100	33,068	-3,000	33,068	0,000	33,068	33,122	-0,055	3,000	32,978	-3,000	3,000	32,853	7,148	10,04	37,169	4,316		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)										
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	Afast	Cota	Alt						
24+0.000		-5,138	32,429	-0,025	-5,100	32,454	-3,000	32,517	-3,000	32,607	32,491	0,116	3,000	32,517	-3,000	3,000	32,394	7,09	32,394	10,395	37,327	4,933	10,395	37,327	4,933						
25+0.000		-5,307	31,632	-0,138	-5,100	31,770	-3,000	31,833	-3,000	31,923	32,602	-0,679	3,000	31,833	-3,000	3,000	31,711	7,091	31,711	10,978	37,513	5,802	10,978	37,513	5,802						
25+16.918	PC	-6,062	30,602	-0,588	-5,180	31,190	-3,080	31,253	-3,000	31,345	30,680	0,665	3,080	31,438	3,000	3,080	31,56	7,167	31,56	9,911	35,657	4,097	9,911	35,657	4,097						
26+0.000		-6,045	30,521	-0,563	-5,200	31,084	-3,100	31,147	-3,000	31,240	30,553	0,688	3,100	31,333	3,000	3,100	31,456	7,185	31,456	9,776	35,323	3,867	9,776	35,323	3,867						
26+10.000		-6,062	30,209	-0,531	-5,264	30,740	-3,164	30,803	-3,000	30,898	30,139	0,759	3,164	30,993	3,000	3,164	31,116	7,245	31,116	9,293	34,174	3,058	9,293	34,174	3,058						
27+0.000		-5,914	29,989	-0,409	-5,300	30,398	-3,200	30,461	-3,000	30,557	29,760	0,797	3,200	30,653	3,000	3,200	30,775	7,269	30,775	8,815	33,083	2,308	8,815	33,083	2,308						
27+8.934		-6,061	29,585	-0,507	-5,300	30,092	-3,200	30,155	-3,000	30,251	29,528	0,724	3,200	30,347	3,000	3,200	30,469	7,257	30,469	8,413	32,194	1,725	8,413	32,194	1,725						
27+10.000		-6,093	29,527	-0,529	-5,300	30,056	-3,200	30,119	-3,000	30,215	29,499	0,716	3,200	30,311	3,000	3,200	30,433	7,257	30,433	8,358	32,076	1,643	8,358	32,076	1,643						
28+0.000		-5,834	29,389	-0,357	-5,300	29,746	-3,200	29,809	-3,000	29,905	29,259	0,646	3,200	30,001	3,000	3,200	30,064	5,3	30,064	5,524	30,398	0,334	5,524	30,398	0,334						
28+10.000		-5,879	29,081	-0,419	-5,251	29,500	-3,151	29,563	-3,000	29,657	29,103	0,554	3,151	29,752	3,000	3,151	29,815	5,251	29,815	5,29	29,873	0,058	5,29	29,873	0,058						
29+0.000		-5,847	28,877	-0,440	-5,186	29,317	-3,086	29,380	-3,000	29,473	28,981	0,491	3,086	29,565	3,000	3,086	29,628	5,186	29,628	5,205	29,656	0,028	5,205	29,656	0,028						
29+0.951	PT	-5,853	28,854	-0,449	-5,180	29,303	-3,080	29,366	-3,000	29,459	28,976	0,483	3,080	29,551	3,000	3,080	29,614	5,18	29,614	5,193	29,633	0,019	5,193	29,633	0,019						
30+0.000		-5,781	28,685	-0,454	-5,100	29,139	-3,000	29,202	-3,000	29,292	28,863	0,429	3,000	29,297	-3,000	3,000	29,139	5,1	29,139	5,28	29,408	0,269	5,28	29,408	0,269						
31+0.000		-5,891	28,683	-0,528	-5,100	29,211	-3,000	29,274	-3,000	29,364	28,815	0,549	3,000	29,297	-2,210	3,000	29,251	5,1	29,251	5,181	29,372	0,121	5,181	29,372	0,121						
31+11.065	TS	-5,981	28,771	-0,587	-5,100	29,358	-3,000	29,421	-3,000	29,511	28,926	0,585	3,000	29,511	0,000	3,000	29,511	5,1	29,511	5,296	29,803	0,292	5,296	29,803	0,292						
32+0.000		-6,260	28,845	-0,684	-5,234	29,529	-3,134	29,592	-3,000	29,686	28,970	0,716	3,134	29,742	1,790	3,134	29,78	5,234	29,78	5,536	30,231	0,451	5,536	30,231	0,451						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
32+10.000		-6,487	29,003	-0,735	-5,384	29,738	-3,284	29,818	-3,790	29,942	29,279	0,663	3,284	30,066	3,790	5,384	30,146	5,790	5,981	31,249	0,606		
33+0.000		-6,584	29,240	-0,700	-5,534	29,940	-3,434	30,062	-5,790	30,261	29,643	0,617	3,434	30,459	5,790	5,534	30,581	5,981	5,981	31,249	0,668		
33+10.000		-6,547	29,624	-0,575	-5,685	30,199	-3,585	30,363	-7,790	30,642	31,251	-0,609	3,583	30,921	7,790	5,683	31,085	6,039	6,039	31,616	0,531		
33+11.065	EC	-6,556	29,660	-0,570	-5,700	30,230	-3,600	30,398	-8,000	30,686	31,304	-0,618	3,600	30,974	8,000	5,7	31,142	6,043	6,043	31,653	0,511		
34+0.000		-6,676	29,948	-0,651	-5,700	30,599	-3,600	30,767	-8,000	31,055	31,564	-0,509	3,600	31,343	8,000	5,7	31,511	5,994	5,994	31,95	0,439		
34+8.524		-6,837	30,193	-0,758	-5,700	30,951	-3,600	31,119	-8,000	31,407	31,828	-0,421	3,600	31,695	8,000	5,7	31,863	5,941	5,941	32,223	0,360		
34+10.000		-6,884	30,223	-0,789	-5,700	31,012	-3,600	31,180	-8,000	31,468	31,870	-0,402	3,600	31,756	8,000	5,7	31,924	5,932	5,932	32,27	0,346		
35+0.000		-7,181	30,437	-0,988	-5,700	31,425	-3,600	31,593	-8,000	31,881	32,169	-0,289	3,600	32,169	8,000	5,7	32,337	5,878	5,878	32,603	0,266		
35+5.982	CE	-7,153	30,690	-0,968	-5,700	31,658	-3,600	31,826	-8,000	32,114	32,424	-0,310	3,600	32,402	8,000	5,7	32,57	5,896	5,896	32,863	0,293		
35+10.000		-7,121	30,854	-0,988	-5,640	31,842	-3,540	31,996	-7,340	32,255	32,583	-0,328	3,540	32,515	7,340	5,64	32,669	5,88	5,88	33,028	0,359		
36+0.000		-6,896	31,305	-0,937	-5,490	32,242	-3,390	32,361	-5,690	32,554	33,051	-0,497	3,389	32,747	5,690	5,571	32,871	6,05	6,05	33,586	0,715		
36+10.000		-6,169	32,008	-0,553	-5,340	32,561	-3,240	32,646	-4,040	32,777	33,882	-1,105	3,240	32,908	4,040	7,357	33,074	8,509	8,509	34,793	1,719		
37+0.000		-5,379	32,673	-0,127	-5,190	32,800	-3,090	32,850	-2,390	32,924	34,637	-1,713	3,090	32,997	2,390	7,209	33,096	8,876	8,876	35,584	2,488		
37+5.982	ET	-5,120	32,933	0,030	-5,100	32,903	-3,000	32,933	-1,400	32,975	34,989	-2,014	3,000	33,017	1,400	7,128	33,075	9,081	9,081	35,989	2,914		
38+0.000		-5,399	33,481	0,446	-5,100	33,035	-3,000	33,016	0,910	32,989	35,630	-2,642	3,000	32,961	-0,910	7,12	32,924	10,193	10,193	37,51	4,586		
38+2.987	TS	-5,358	33,429	0,385	-5,100	33,044	-3,000	33,014	1,400	32,972	35,658	-2,686	3,000	32,930	-1,400	7,141	32,872	10,322	10,322	37,62	4,748		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
38+10.000		-5,379	33,274	0,233	-5,223	33,041	-3,123	32,987	2,560	32,907	35,703	-2,796	3,123	32,827	-2,560	7,245	32,722	10,658	37,815	5,093			
39+0.000		-5,632	32,820	-0,157	-5,397	32,977	-3,297	32,888	4,210	32,750	35,013	-2,264	3,298	32,611	-4,210	7,425	32,437	11,018	37,799	5,362			
39+10.000		-6,481	32,237	-0,605	-5,572	32,842	-3,472	32,719	5,860	32,516	32,578	-0,062	3,473	32,312	-5,860	7,6	32,071	11,234	37,495	5,424			
40+0.000		-14,483	26,814	-5,824	-5,747	32,638	-3,647	32,480	7,510	32,206	32,035	0,171	3,648	31,932	-7,510	7,807	31,62	11,974	37,84	6,220			
40+2.987	EC	-14,531	26,742	-5,821	-5,800	32,563	-3,700	32,395	8,000	32,099	31,881	0,218	3,700	31,803	-8,000	7,829	31,473	11,847	37,469	5,996			
40+10.000		-14,154	26,715	-5,569	-5,800	32,284	-3,700	32,116	8,000	31,820	31,532	0,289	3,700	31,524	-8,000	7,821	31,195	11,106	36,098	4,903			
41+0.000		-12,237	27,531	-4,292	-5,800	31,823	-3,700	31,655	8,000	31,359	31,018	0,341	3,700	31,063	-8,000	7,823	30,733	10,342	34,493	3,760			
41+10.000		-9,590	28,796	-2,527	-5,800	31,323	-3,700	31,155	8,000	30,859	30,380	0,478	3,700	30,563	-8,000	7,82	30,233	9,978	33,453	3,220			
41+14.423		-9,138	28,876	-2,226	-5,800	31,102	-3,700	30,934	8,000	30,638	30,050	0,587	3,700	30,342	-8,000	7,82	30,012	9,839	33,024	3,012			
42+0.000		-8,416	29,079	-1,744	-5,800	30,823	-3,700	30,655	8,000	30,359	29,689	0,670	3,700	30,063	-8,000	7,852	29,731	9,684	32,465	2,734			
42+10.000		-7,970	28,876	-1,447	-5,800	30,323	-3,700	30,155	8,000	29,859	29,081	0,778	3,700	29,563	-8,000	7,823	29,233	9,235	31,341	2,108			
43+0.000		-7,617	28,645	-1,211	-5,800	29,856	-3,700	29,688	8,000	29,392	28,496	0,897	3,700	29,096	-8,000	7,821	28,767	8,707	30,09	1,323			
43+5.860	CE	-7,048	28,782	-0,832	-5,800	29,614	-3,700	29,446	8,000	29,150	28,096	1,054	3,700	28,854	-8,000	7,843	28,523	8,867	30,05	1,527			
43+10.000		-6,556	28,849	-0,553	-5,727	29,402	-3,627	29,252	7,150	28,993	27,805	1,187	3,628	28,733	-7,150	7,759	28,438	8,823	30,025	1,587			
44+0.000		-6,524	28,295	-0,647	-5,552	28,942	-3,452	28,835	5,100	28,659	27,275	1,385	3,453	28,484	-5,100	7,575	28,274	8,576	29,768	1,494			
44+10.000		-7,262	27,300	-1,257	-5,377	28,557	-3,277	28,493	3,040	28,393	27,058	1,335	3,278	28,293	-3,040	5,378	28,230	5,826	27,931	-0,299			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)										
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	Afast	Cota	Alt						
45+0.000		-8,072	26,332	-1,913	28,245	-5,202	28,224	0,990	28,193	26,584	1,609	3,103	28,163	-0,990	5,203	28,142	7,217	26,799	-1,343												
45+5.860	ET	-7,988	26,171	-1,925	28,096	-5,100	28,101	-0,220	28,107	26,658	1,449	3,000	28,114	0,220	5,100	28,118	6,896	26,921	-1,197												
45+13.751	TS	-8,087	25,943	-1,991	27,934	-5,100	27,973	-1,840	28,028	26,532	1,495	3,000	28,083	1,840	5,100	28,121	7,067	26,810	-1,311												
46+0.000		-8,282	25,819	-2,011	27,830	-5,267	27,895	-3,120	27,994	26,423	1,571	3,167	28,093	3,120	5,267	28,158	7,309	26,797	-1,361												
46+10.000		-8,648	25,632	-2,076	27,708	-5,533	27,817	-5,180	27,994	26,474	1,521	3,433	28,172	5,180	5,533	28,281	7,393	27,041	-1,240												
47+0.000		-8,855	25,606	-2,036	27,642	-5,800	27,794	-7,230	28,062	26,514	1,548	3,700	28,329	7,230	5,800	28,481	7,631	27,260	-1,221												
47+3.751	EC	-8,887	25,640	-1,992	27,632	-5,900	27,800	-8,000	28,104	26,743	1,361	3,800	28,408	8,000	5,900	28,576	8,186	27,052	-1,524												
47+10.000		-8,954	25,688	-2,035	27,723	-5,900	27,891	-8,000	28,195	26,827	1,369	3,800	28,499	8,000	5,900	28,667	8,395	27,004	-1,663												
47+19.536		-8,735	26,023	-1,890	27,913	-5,900	28,081	-8,000	28,385	26,966	1,419	3,800	28,689	8,000	5,900	28,857	8,666	27,013	-1,844												
48+0.000		-8,678	26,072	-1,852	27,924	-5,900	28,092	-8,000	28,396	26,967	1,428	3,800	28,700	8,000	5,900	28,868	8,660	27,028	-1,840												
48+10.000		-7,290	27,264	-0,927	28,191	-5,900	28,359	-8,000	28,663	27,209	1,454	3,800	28,967	8,000	5,900	29,135	8,422	27,454	-1,681												
48+15.321	CE	-7,250	27,461	-0,900	28,361	-5,900	28,529	-8,000	28,833	27,362	1,471	3,800	29,137	8,000	5,900	29,305	8,519	27,558	-1,747												
49+0.000		-6,953	27,822	-0,785	28,607	-5,775	28,749	-6,750	28,997	27,622	1,375	3,675	29,245	6,750	5,775	29,387	8,134	27,814	-1,573												
49+10.000		-6,617	28,434	-0,739	29,173	-5,509	29,258	-4,090	29,398	28,577	0,821	3,408	29,537	4,090	5,508	29,623	5,791	29,434	-0,189												
50+0.000		-5,429	29,583	-0,125	29,708	-5,242	29,771	-3,000	29,865	29,574	0,292	3,142	29,910	1,420	5,242	29,939	5,727	30,663	0,724												
50+5.321	ET	-5,164	30,083	0,095	29,988	-5,100	30,051	-3,000	30,141	30,323	-0,182	3,000	30,141	0,000	5,100	30,141	5,538	30,795	0,654												



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
51+0.000		-5,560	31,500	0,687	-5,100	30,813	-3,000	30,876	-3,000	30,966	31,463	-0,496	3,000	30,876	-3,000	5,100	30,813	-3,000	6,311	32,621	1,808				
52+0.000		-5,752	32,786	0,972	-5,100	31,814	-3,000	31,877	-3,000	31,967	32,960	-0,993	3,000	31,877	-3,000	5,100	31,814	-3,000	6,148	33,378	1,564				
53+0.000		-6,004	33,894	1,349	-5,100	32,545	-3,000	32,608	-3,000	32,698	33,975	-1,278	3,000	32,608	-3,000	5,100	32,545	-3,000	6,653	34,862	2,317				
54+0.000		-6,018	34,377	1,370	-5,100	33,007	-3,000	33,070	-3,000	33,160	35,129	-1,970	3,000	33,070	-3,000	5,100	33,007	-3,000	6,820	35,574	2,567				
55+0.000		-6,067	34,484	1,288	-5,204	33,196	-3,000	33,262	-3,000	33,352	35,161	-1,809	3,000	33,262	-3,000	5,100	33,199	-3,000	7,094	36,176	2,977				
56+0.000		-6,864	33,465	0,387	-6,604	33,078	-3,000	33,186	-3,000	33,276	34,814	-1,538	3,000	33,186	-3,000	6,297	33,087	-3,000	8,006	35,637	2,550				
57+0.000		-9,499	31,244	-1,467	-7,298	32,711	-3,000	32,840	-3,000	32,930	33,603	-0,673	3,000	32,840	-3,000	7,299	32,711	-3,000	8,487	34,485	1,774				
58+0.000		-8,627	30,576	-1,550	-6,301	32,126	-3,000	32,225	-3,000	32,315	31,788	0,527	3,000	32,225	-3,000	6,603	32,117	-3,000	7,445	33,375	1,258				
59+0.000		-6,685	30,356	-1,057	-5,100	31,413	-3,000	31,476	-3,000	31,566	29,492	2,074	3,000	31,476	-3,000	5,199	31,410	-3,000	5,594	32,000	0,590				
60+0.000		-9,105	27,994	-2,670	-5,100	30,664	-3,000	30,727	-3,000	30,817	28,707	2,110	3,000	30,727	-3,000	5,100	30,664	-3,000	5,181	30,784	0,120				
61+0.000		-9,931	26,693	-3,221	-5,100	29,914	-3,000	29,977	-3,000	30,067	28,018	2,049	3,000	29,977	-3,000	5,100	29,914	-3,000	5,546	30,580	0,666				
62+0.000		-10,793	25,369	-3,796	-5,100	29,165	-3,000	29,228	-3,000	29,318	27,029	2,289	3,000	29,228	-3,000	5,100	29,165	-3,000	6,234	30,857	1,692				
63+0.000		-9,779	25,365	-3,119	-5,100	28,484	-3,000	28,547	-3,000	28,637	26,468	2,169	3,000	28,547	-3,000	5,100	28,484	-3,000	5,170	28,589	0,105				
64+0.000		-9,718	24,862	-3,079	-5,100	27,941	-3,000	28,004	-3,000	28,094	26,192	1,903	3,000	28,086	-0,260	5,100	28,081	-0,260	6,023	27,466	-0,615				
64+0.990	TS	-9,710	24,844	-3,074	-5,100	27,918	-3,000	27,981	-3,000	28,071	26,189	1,882	3,000	28,071	0,000	5,100	28,071	0,000	6,009	27,465	-0,606				
64+10.000		-8,905	25,280	-2,437	-5,250	27,717	-3,150	27,780	-3,000	27,874	25,965	1,909	3,150	27,948	2,340	5,250	27,997	2,340	6,005	27,494	-0,503				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
65+0.000		-9,520	24,686	-2,735	27,421	27,421	-3,317	27,525	-4,940	27,689	26,142	1,546	3,317	27,853	4,940	5,417	27,957	4,940	5,910	27,627	-0,330		
65+10.000		-9,130	24,752	-2,365	27,117	27,117	-3,484	27,275	-7,540	27,538	25,923	1,615	3,483	27,801	7,540	5,583	27,959	7,540	5,941	28,492	0,533		
65+10.990	EC	-9,097	24,757	-2,331	27,088	27,088	-3,500	27,252	-7,800	27,525	25,898	1,627	3,500	27,798	7,800	5,600	27,962	7,800	6,031	28,604	0,642		
66+0.000		-8,912	24,776	-2,208	26,984	26,984	-3,500	27,148	-7,800	27,421	26,166	1,255	3,500	27,694	7,800	5,600	27,858	7,800	6,590	29,335	1,477		
66+2.137		-8,880	24,777	-2,187	26,964	26,964	-3,500	27,128	-7,800	27,401	26,191	1,209	3,500	27,674	7,800	5,600	27,837	7,800	6,685	29,456	1,619		
66+10.000		-8,808	24,763	-2,139	26,902	26,902	-3,500	27,066	-7,800	27,339	26,283	1,056	3,500	27,612	7,800	5,600	27,776	7,800	6,872	29,674	1,898		
66+13.284	CE	-8,799	24,750	-2,133	26,883	26,883	-3,500	27,046	-7,800	27,319	26,344	0,975	3,500	27,592	7,800	5,600	27,756	7,800	6,875	29,659	1,903		
67+0.000		-8,960	24,644	-2,315	26,959	26,959	-3,388	27,086	-6,050	27,291	26,357	0,934	3,388	27,496	6,050	5,488	27,623	6,050	7,126	30,068	2,445		
67+10.000		-6,917	26,013	-1,064	27,077	27,077	-3,221	27,149	-3,450	27,261	26,462	0,799	3,221	27,372	3,450	5,321	27,444	3,450	8,425	32,077	4,633		
68+0.000		-6,122	26,431	-0,644	27,075	27,075	-3,055	27,138	-3,000	27,230	27,808	-0,578	3,055	27,256	0,850	5,155	27,274	0,850	9,595	33,901	6,627		
68+3.284	ET	-5,917	26,522	-0,545	27,067	27,067	-3,000	27,130	-3,000	27,220	28,985	-1,765	3,000	27,220	0,000	5,100	27,220	0,000	9,900	34,384	7,164		
69+0.000		-5,371	26,835	-0,181	27,016	27,016	-3,000	27,079	-3,000	27,169	31,782	-4,613	3,000	27,079	-3,000	5,100	27,016	-3,000	11,430	36,463	9,447		
69+14.839	TS	-6,111	26,449	-0,674	27,123	27,123	-3,000	27,123	0,000	27,123	31,438	-4,315	3,000	27,033	-3,000	5,100	26,970	-3,000	11,459	36,461	9,491		
70+0.000		-6,500	26,315	-0,864	27,179	27,179	-3,103	27,150	1,380	27,107	31,194	-4,087	3,103	27,014	-3,000	5,203	26,951	-3,000	11,380	36,170	9,219		
70+10.000		-7,215	26,087	-1,208	27,295	27,295	-3,303	27,210	4,040	27,077	30,436	-3,359	3,303	26,943	-4,040	5,403	26,858	-4,040	11,125	35,399	8,541		
71+0.000		-7,917	25,879	-1,543	27,422	27,422	-3,503	27,281	6,710	27,046	30,038	-2,991	3,503	26,811	-6,710	5,603	26,670	-6,710	11,085	34,853	8,183		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
71+4.839	EC	-8,211	25,814	-1,673	-5,700	27,487	-3,600	27,319	8,000	27,031	29,019	-1,988	3,600	26,743	-8,000	5,700	26,575	11,138	34,691	8,116			
71+10.000		-8,279	25,753	-1,719	-5,700	27,472	-3,600	27,304	8,000	27,016	28,230	-1,214	3,600	26,728	-8,000	5,700	26,560	10,803	34,176	7,616			
72+0.000		-8,322	25,693	-1,748	-5,700	27,441	-3,600	27,273	8,000	26,985	26,282	0,703	3,600	26,697	-8,000	5,700	26,529	9,702	32,503	5,974			
72+1.434		-8,302	25,702	-1,735	-5,700	27,437	-3,600	27,269	8,000	26,981	26,175	0,806	3,600	26,693	-8,000	5,700	26,525	9,531	32,242	5,717			
72+10.000		-8,170	25,764	-1,646	-5,700	27,410	-3,600	27,242	8,000	26,954	25,560	1,395	3,600	26,666	-8,000	5,700	26,498	8,608	30,838	4,340			
72+18.029	CE	-8,509	25,513	-1,873	-5,700	27,386	-3,600	27,218	8,000	26,930	25,502	1,428	3,600	26,642	-8,000	5,700	26,474	7,937	29,813	3,339			
73+0.000		-8,789	25,261	-2,086	-5,660	27,347	-3,560	27,190	7,470	26,924	25,485	1,439	3,561	26,658	-7,470	5,661	26,501	7,674	29,505	3,004			
73+10.000		-10,550	23,763	-3,393	-5,461	27,156	-3,361	27,055	4,810	26,893	25,384	1,509	3,361	26,732	-4,810	5,461	26,631	6,336	27,937	1,306			
74+0.000		-9,823	23,933	-3,042	-5,260	26,975	-3,160	26,930	2,140	26,863	25,158	1,705	3,161	26,768	-3,000	5,261	26,705	5,499	27,061	0,356			
74+8.029	ET	-9,235	24,082	-2,756	-5,100	26,838	-3,000	26,838	0,000	26,838	24,945	1,893	3,000	26,748	-3,000	5,100	26,685	5,908	26,147	-0,538			
74+10.000		-9,235	24,076	-2,756	-5,100	26,832	-3,000	26,832	0,000	26,832	24,917	1,915	3,000	26,742	-3,000	5,100	26,679	5,908	26,140	-0,539			
75+0.000		-9,100	23,981	-2,667	-5,100	26,648	-3,000	26,711	-3,000	26,801	24,747	2,054	3,000	26,711	-3,000	5,100	26,648	6,295	25,852	-0,796			
76+0.000		-8,607	24,249	-2,338	-5,100	26,587	-3,000	26,650	-3,000	26,740	24,788	1,952	3,000	26,650	-3,000	5,100	26,587	7,140	25,227	-1,360			
77+0.000		-9,127	23,841	-2,685	-5,100	26,526	-3,000	26,589	-3,000	26,679	25,002	1,677	3,000	26,589	-3,000	5,100	26,526	6,302	25,724	-0,802			
78+0.000		-6,941	25,354	-1,227	-5,100	26,581	-3,000	26,596	-0,720	26,618	25,745	0,873	3,000	26,528	-3,000	5,100	26,465	6,447	28,475	2,010			
78+2.755	TS	-6,552	25,641	-0,968	-5,100	26,609	-3,000	26,609	0,000	26,609	25,925	0,684	3,000	26,519	-3,000	5,100	26,456	6,751	28,920	2,464			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
78+10.000		-5,785	26,309	-0,376	-5,221	26,685	-3,121	26,646	1,880	26,587	26,397	0,190	3,121	26,493	-3,000	5,221	26,430	-3,000	7,690	30,116	3,686				
79+0.000		-5,784	27,391	0,593	-5,387	26,798	-3,287	26,704	4,480	26,556	27,037	-0,481	3,288	26,409	-4,480	5,388	26,315	-4,480	8,671	31,216	4,901				
79+10.000		-6,255	27,966	1,047	-5,554	26,919	-3,454	26,771	7,080	26,526	28,048	-1,522	3,454	26,281	-7,080	5,554	26,132	-7,080	9,053	31,355	5,223				
79+12.755	EC	-6,422	28,181	1,227	-5,600	26,954	-3,500	26,790	7,800	26,517	28,311	-1,794	3,500	26,244	-7,800	5,600	26,081	-7,800	9,196	31,447	5,366				
80+0.000		-6,547	28,345	1,413	-5,600	26,932	-3,500	26,768	7,800	26,495	29,827	-3,332	3,500	26,222	-7,800	5,600	26,058	-7,800	9,104	31,288	5,230				
80+10.000		-6,302	27,949	1,048	-5,600	26,901	-3,500	26,738	7,800	26,465	30,211	-3,747	3,500	26,192	-7,800	5,600	26,028	-7,800	9,051	31,179	5,151				
80+12.615		-6,244	27,854	0,961	-5,600	26,893	-3,500	26,730	7,800	26,457	30,302	-3,845	3,500	26,184	-7,800	5,600	26,020	-7,800	9,097	31,239	5,219				
81+0.000		-5,990	27,453	0,582	-5,600	26,871	-3,500	26,707	7,800	26,434	30,412	-3,978	3,500	26,161	-7,800	5,600	25,997	-7,800	9,008	31,084	5,087				
81+10.000		-5,791	26,713	-0,127	-5,600	26,840	-3,500	26,676	7,800	26,403	29,049	-2,645	3,500	26,130	-7,800	5,600	25,967	-7,800	8,558	30,382	4,415				
81+12.474	CE	-6,042	26,538	-0,295	-5,600	26,833	-3,500	26,669	7,800	26,396	28,714	-2,318	3,500	26,123	-7,800	5,600	25,959	-7,800	8,203	29,845	3,886				
82+0.000		-6,410	26,069	-0,624	-5,474	26,693	-3,374	26,570	5,840	26,373	27,628	-1,255	3,375	26,176	-5,840	5,475	26,053	-5,840	6,809	28,045	1,992				
82+10.000		-7,134	25,297	-1,217	-5,308	26,514	-3,208	26,446	3,240	26,342	25,669	0,673	3,208	26,238	-3,240	5,308	26,170	-3,240	5,512	26,034	-0,136				
83+0.000		-9,097	23,708	-2,637	-5,141	26,345	-3,041	26,331	0,640	26,312	25,350	0,961	3,041	26,220	-3,000	5,141	26,157	-3,000	7,322	24,703	-1,454				
83+2.474	ET	-9,066	23,660	-2,644	-5,100	26,304	-3,000	26,304	0,000	26,304	25,266	1,038	3,000	26,214	-3,000	5,100	26,151	-3,000	6,831	24,997	-1,154				
84+0.000		-9,721	23,017	-3,080	-5,100	26,097	-3,000	26,160	-3,000	26,250	24,744	1,507	3,000	26,160	-3,000	5,100	26,097	-3,000	6,322	25,283	-0,814				
85+0.000		-10,038	22,744	-3,292	-5,100	26,036	-3,000	26,099	-3,000	26,189	24,618	1,571	3,000	26,099	-3,000	5,100	26,036	-3,000	6,899	28,721	2,685				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
86+0.000		-7,713	24,233	-1,742	-5,100	25,975	-3,000	26,038	-3,000	26,128	27,730	-1,602	3,000	26,038	-3,000	5,100	25,975	-3,000	9,751	32,916	6,941		
87+0.000		-8,149	23,881	-2,033	-5,100	25,914	-3,000	25,977	-3,000	26,067	32,477	-6,410	3,000	25,977	-3,000	5,100	25,914	-3,000	10,460	33,914			
																			14,460	33,714			
																			16,516	36,782	10,868		
88+0.000		-8,236	23,762	-2,090	-5,100	25,852	-3,000	25,915	-3,000	26,005	30,602	-4,597	3,000	25,915	-3,000	5,100	25,852	-3,000	10,460	33,852			
																			14,460	33,652			
																			18,133	39,135	13,283		
89+0.000		-8,456	23,554	-2,237	-5,100	25,791	-3,000	25,854	-3,000	25,944	25,744	0,200	3,000	25,854	-3,000	5,100	25,791	-3,000	7,726	29,711	3,920		
90+0.000		-8,435	23,507	-2,223	-5,100	25,730	-3,000	25,793	-3,000	25,883	23,879	2,004	3,000	25,793	-3,000	5,100	25,730	-3,000	10,375	33,604	7,874		
91+0.000		-8,248	23,570	-2,099	-5,100	25,669	-3,000	25,732	-3,000	25,822	23,758	2,064	3,000	25,732	-3,000	5,100	25,669	-3,000	8,405	30,601	4,932		
92+0.000		-8,652	23,239	-2,369	-5,100	25,608	-3,000	25,671	-3,000	25,761	23,438	2,323	3,000	25,736	-0,810	5,100	25,720	-3,000	7,476	29,266	3,546		
92+14.026	TS	-9,460	22,658	-2,907	-5,100	25,565	-3,000	25,628	-3,000	25,718	23,266	2,451	3,000	25,778	2,000	5,100	25,820	2,000	6,608	28,071	2,251		
93+0.000		-9,624	22,596	-2,937	-5,219	25,533	-3,119	25,600	-3,190	25,699	23,221	2,479	3,119	25,799	3,190	5,219	25,866	3,190	6,107	27,191	1,325		
93+10.000		-9,593	22,605	-2,782	-5,420	25,387	-3,320	25,496	-5,190	25,669	23,213	2,456	3,319	25,841	5,190	5,419	25,950	5,190	5,910	25,623	-0,327		
94+0.000		-9,390	22,720	-2,514	-5,620	25,234	-3,520	25,385	-7,190	25,638	23,210	2,428	3,519	25,891	7,190	5,619	26,042	7,190	7,422	24,841	-1,201		
94+4.026	EC	-9,330	22,750	-2,420	-5,700	25,170	-3,600	25,338	-8,000	25,626	23,176	2,450	3,600	25,914	8,000	5,700	26,082	8,000	7,525	24,865	-1,217		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
94+10.000		-9,366	22,707	-2,445	-5,700	25,152	-3,600	25,320	-8,000	25,608	23,118	2,489	3,600	25,896	8,000	5,700	26,064	8,000	7,555	24,827	-1,237		
95+0.000		-9,499	22,588	-2,533	-5,700	25,121	-3,600	25,289	-8,000	25,577	23,010	2,567	3,600	25,865	8,000	5,700	26,033	8,000	7,725	24,683	-1,350		
95+10.000		-9,703	22,421	-2,669	-5,700	25,090	-3,600	25,258	-8,000	25,546	22,879	2,667	3,600	25,834	8,000	5,700	26,002	8,000	7,568	24,757	-1,245		
95+14.713		-9,782	22,355	-2,721	-5,700	25,076	-3,600	25,244	-8,000	25,532	22,820	2,712	3,600	25,820	8,000	5,700	25,988	8,000	7,467	24,810	-1,178		
96+0.000		-9,770	22,346	-2,714	-5,700	25,060	-3,600	25,228	-8,000	25,516	22,963	2,553	3,600	25,804	8,000	5,700	25,972	8,000	7,408	24,833	-1,139		
96+10.000		-9,533	22,474	-2,555	-5,700	25,029	-3,600	25,197	-8,000	25,485	23,007	2,478	3,600	25,773	8,000	5,700	25,941	8,000	7,553	24,705	-1,236		
97+0.000		-9,194	22,669	-2,329	-5,700	24,998	-3,600	25,166	-8,000	25,454	23,055	2,400	3,600	25,742	8,000	5,700	25,910	8,000	7,437	24,752	-1,158		
97+5.401	CE	-8,929	22,829	-2,153	-5,700	24,982	-3,600	25,150	-8,000	25,438	23,087	2,351	3,600	25,726	8,000	5,700	25,894	8,000	7,430	24,741	-1,153		
97+10.000		-8,711	22,958	-2,069	-5,608	25,027	-3,508	25,175	-7,080	25,424	23,113	2,311	3,508	25,672	7,080	5,608	25,821	7,080	7,282	24,705	-1,116		
98+0.000		-8,701	22,923	-2,196	-5,408	25,119	-3,308	25,225	-5,080	25,393	23,154	2,239	3,308	25,561	5,080	5,408	25,668	5,080	6,891	24,679	-0,989		
98+10.000		-8,953	22,706	-2,496	-5,208	25,202	-3,108	25,267	-3,080	25,363	23,237	2,126	3,108	25,458	3,080	5,208	25,523	3,080	5,907	25,057	-0,466		
98+15.401	ET	-8,521	22,912	-2,281	-5,100	25,193	-3,000	25,256	-3,000	25,346	23,285	2,061	3,000	25,406	2,000	5,100	25,448	2,000	5,326	25,298	-0,150		
99+0.000		-8,501	22,912	-2,267	-5,100	25,179	-3,000	25,242	-3,000	25,332	23,327	2,005	3,000	25,364	1,080	5,100	25,387	1,080	5,494	25,124	-0,263		
100+0.000		-7,993	23,189	-1,929	-5,100	25,118	-3,000	25,181	-3,000	25,271	23,493	1,778	3,000	25,183	-2,920	5,100	25,122	-2,920	5,770	26,122	1,000		
100+15.402	TS	-8,760	22,784	-2,440	-5,100	25,224	-3,000	25,224	0,000	25,224	23,552	1,672	3,000	25,134	-3,000	5,100	25,071	-3,000	6,507	27,171	2,100		
101+0.000		-8,518	23,019	-2,238	-5,161	25,257	-3,061	25,238	0,920	25,210	23,593	1,616	3,061	25,118	-3,000	5,161	25,055	-3,000	6,749	27,424	2,369		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
101+10.000		-7,981	23,542	-1,792	25,334	-5,295	25,272	2,920	25,179	23,706	1,473	3,195	25,083	-3,000	5,295	25,020	7,173	27,823	2,803				
102+0.000		-8,045	23,671	-1,744	25,415	-5,428	25,312	4,920	25,148	23,824	1,325	3,328	24,985	-4,920	5,428	24,881	7,417	27,850	2,969				
102+5.402	EC	-8,213	23,653	-1,809	25,462	-5,500	25,336	6,000	25,132	23,963	1,169	3,400	24,928	-6,000	5,500	24,802	7,595	27,929	3,127				
102+10.000		-8,150	23,681	-1,767	25,448	-5,500	25,322	6,000	25,118	24,085	1,033	3,400	24,914	-6,000	5,500	24,788	7,653	28,001	3,213				
102+19.697		-9,343	22,856	-2,562	25,418	-5,500	25,292	6,000	25,088	24,193	0,895	3,400	24,884	-6,000	5,500	24,758	7,527	27,783	3,025				
103+0.000		-9,336	22,860	-2,557	25,417	-5,500	25,291	6,000	25,087	24,191	0,896	3,400	24,883	-6,000	5,500	24,757	7,507	27,753	2,996				
103+10.000		-8,741	23,226	-2,161	25,387	-5,500	25,261	6,000	25,057	24,138	0,919	3,400	24,853	-6,000	5,500	24,727	7,062	27,058	2,331				
103+13.992	CE	-8,440	23,414	-1,960	25,374	-5,500	25,248	6,000	25,044	24,120	0,925	3,400	24,840	-6,000	5,500	24,714	6,944	26,869	2,155				
104+0.000		-7,963	23,591	-1,695	25,286	-5,420	25,185	4,800	25,026	24,067	0,959	3,320	24,867	-4,800	5,420	24,766	6,568	26,479	1,713				
104+10.000		-7,325	23,784	-1,359	25,143	-5,286	25,084	2,800	24,995	23,972	1,024	3,187	24,900	-3,000	5,287	24,837	5,941	25,813	0,976				
105+0.000		-6,901	23,841	-1,165	25,006	-5,153	24,989	0,800	24,965	23,989	0,976	3,053	24,873	-3,000	5,153	24,810	5,227	24,920	0,110				
105+3.992	ET	-6,723	23,871	-1,081	24,952	-5,100	24,952	0,000	24,952	24,007	0,946	3,000	24,862	-3,000	5,100	24,799	5,206	24,958	0,159				
106+0.000		-6,134	24,061	-0,689	24,750	-5,100	24,813	-3,000	24,903	24,096	0,808	3,000	24,813	-3,000	5,100	24,750	5,416	25,222	0,472				
107+0.000		-6,184	23,966	-0,723	24,689	-5,100	24,752	-3,000	24,842	24,196	0,646	3,000	24,752	-3,000	5,100	24,689	5,965	25,980	1,291				
108+0.000		-6,294	23,832	-0,796	24,628	-5,100	24,691	-3,000	24,781	23,973	0,808	3,000	24,691	-3,000	5,100	24,628	5,165	24,724	0,096				
108+14.774	TS	-7,034	23,293	-1,290	24,583	-5,100	24,646	-3,000	24,736	23,533	1,202	3,000	24,736	0,000	5,100	24,736	5,850	24,236	-0,500				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
109+0.000		-7,303	23,154	-1,410	-5,187	24,564	-3,087	24,627	-3,000	24,720	23,444	1,276	3,087	24,762	1,360	5,187	24,790	6,244	24,085	-0,705			
109+10.000		-7,545	23,016	-1,461	-5,354	24,477	-3,254	24,560	-3,960	24,689	23,323	1,366	3,254	24,818	3,960	5,354	24,901	7,272	23,622	-1,279			
110+0.000		-7,565	22,933	-1,364	-5,520	24,297	-3,420	24,434	-6,560	24,659	22,859	1,800	3,420	24,883	6,560	5,520	25,021	7,918	23,422	-1,599			
110+4.774	EC	-7,471	22,960	-1,247	-5,600	24,207	-3,500	24,371	-7,800	24,644	22,979	1,665	3,500	24,917	7,800	5,600	25,081	8,082	23,426	-1,655			
110+10.000		-7,411	22,984	-1,207	-5,600	24,191	-3,500	24,355	-7,800	24,628	23,028	1,600	3,500	24,901	7,800	5,600	25,065	8,076	23,414	-1,651			
110+15.713		-7,365	22,997	-1,177	-5,600	24,174	-3,500	24,338	-7,800	24,611	22,980	1,630	3,500	24,884	7,800	5,600	25,047	8,083	23,392	-1,655			
111+0.000		-7,197	23,096	-1,065	-5,600	24,161	-3,500	24,324	-7,800	24,597	23,148	1,449	3,500	24,870	7,800	5,600	25,034	8,007	23,429	-1,605			
111+6.652	CE	-6,818	23,328	-0,812	-5,600	24,140	-3,500	24,304	-7,800	24,577	23,260	1,317	3,500	24,850	7,800	5,600	25,014	7,375	23,830	-1,184			
111+10.000		-6,742	23,379	-0,799	-5,544	24,178	-3,444	24,325	-7,020	24,567	23,329	1,238	3,444	24,809	7,020	5,544	24,956	7,004	23,982	-0,974			
112+0.000		-6,401	23,601	-0,683	-5,377	24,284	-3,277	24,382	-4,690	24,536	23,372	1,164	3,277	24,690	4,690	5,377	24,788	6,160	24,267	-0,521			
112+10.000		-6,222	23,706	-0,674	-5,211	24,380	-3,111	24,429	-2,360	24,503	23,087	1,416	3,111	24,576	2,360	5,211	24,625	5,426	24,482	-0,143			
112+16.652	ET	-6,638	23,410	-1,026	-5,099	24,436	-2,999	24,453	-0,810	24,477	22,847	1,630	2,999	24,501	0,810	5,099	24,518	5,387	24,326	-0,192			
112+16.720	TS	-6,656	23,398	-1,038	-5,099	24,436	-2,999	24,453	-0,790	24,476	22,846	1,631	2,999	24,500	0,790	5,099	24,517	5,410	24,309	-0,208			
113+0.000		-7,567	22,839	-1,622	-5,133	24,461	-3,033	24,462	-0,030	24,463	22,785	1,678	3,033	24,464	0,030	5,133	24,464	6,569	23,507	-0,957			
113+10.000		-8,672	22,245	-2,292	-5,233	24,537	-3,133	24,489	2,300	24,417	22,597	1,820	3,133	24,345	-2,300	5,233	24,296	8,360	22,212	-2,084			
114+0.000		-9,293	21,972	-2,640	-5,333	24,612	-3,233	24,515	4,630	24,365	22,382	1,983	3,233	24,215	-4,630	5,333	24,118	8,896	21,743	-2,375			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
114+6.720	EC	-9,740	21,768	-2,893	-5,400	24,661	-3,300	24,531	6,200	24,327	22,224	2,103	3,300	24,122	-6,200	5,400	23,992	9,212	21,451	-2,541			
114+10.000		-10,118	21,496	-3,146	-5,400	24,642	-3,300	24,512	6,200	24,307	22,158	2,149	3,300	24,102	-6,200	5,400	23,972	8,585	21,849	-2,123			
115+0.000		-9,830	21,624	-2,954	-5,400	24,578	-3,300	24,447	6,200	24,243	22,160	2,083	3,300	24,038	-6,200	5,400	23,908	7,870	22,261	-1,647			
115+4.095		-9,351	21,916	-2,634	-5,400	24,550	-3,300	24,419	6,200	24,215	22,325	1,890	3,300	24,010	-6,200	5,400	23,880	7,539	22,454	-1,426			
115+10.000		-8,132	22,686	-1,821	-5,400	24,507	-3,300	24,377	6,200	24,173	22,565	1,608	3,300	23,968	-6,200	5,400	23,838	7,090	22,711	-1,127			
116+0.000		-6,506	23,694	-0,737	-5,400	24,431	-3,300	24,301	6,200	24,096	22,724	1,373	3,300	23,892	-6,200	5,400	23,762	6,661	22,921	-0,841			
116+1.470	CE	-6,591	23,626	-0,793	-5,400	24,419	-3,300	24,289	6,200	24,085	22,692	1,393	3,300	23,880	-6,200	5,400	23,750	6,665	22,906	-0,844			
116+10.000		-6,827	23,242	-1,008	-5,315	24,250	-3,215	24,157	4,440	24,014	22,519	1,495	3,215	23,871	-4,440	5,315	23,778	6,909	22,715	-1,063			
117+0.000		-7,188	22,734	-1,315	-5,215	24,049	-3,115	23,999	2,370	23,925	22,292	1,634	3,115	23,832	-3,000	5,215	23,769	6,944	22,616	-1,153			
117+10.000		-7,418	22,311	-1,535	-5,115	23,846	-3,015	23,840	0,300	23,831	22,113	1,717	3,015	23,740	-3,000	5,115	23,677	6,599	22,688	-0,989			
117+11.470	ET	-7,451	22,249	-1,567	-5,100	23,816	-3,000	23,816	0,000	23,816	22,088	1,729	3,000	23,726	-3,000	5,100	23,663	6,555	22,693	-0,970			
118+0.000		-7,607	21,969	-1,671	-5,100	23,640	-3,000	23,677	-1,760	23,730	21,995	1,735	3,000	23,640	-3,000	5,100	23,577	7,207	22,173	-1,404			
119+0.000		-7,670	21,657	-1,713	-5,100	23,370	-3,000	23,433	-3,000	23,523	22,053	1,470	3,000	23,433	-3,000	5,100	23,370	7,337	21,879	-1,491			
120+0.000		-8,371	20,982	-2,180	-5,100	23,162	-3,000	23,225	-3,000	23,315	22,295	1,020	3,000	23,225	-3,000	5,100	23,162	7,557	21,525	-1,637			
121+0.000		-6,833	21,800	-1,155	-5,100	22,955	-3,000	23,018	-3,000	23,108	21,872	1,236	3,000	23,018	-3,000	5,100	22,955	5,428	23,445	0,490			
122+0.000		-6,122	22,089	-0,682	-5,100	22,771	-3,000	22,834	-3,000	22,924	21,968	0,956	3,000	22,888	-1,200	5,100	22,863	5,653	23,688	0,825			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota
122+14.092	PC	-6,592	21,771	-0,967	-5,140	22,738	-3,040	22,801	-2,920	22,890	22,013	0,877	3,040	22,924	1,120	5,140	22,948	5,350	22,808	-0,140			
123+0.000		-6,689	21,744	-1,009	-5,175	22,753	-3,075	22,816	-2,850	22,904	22,024	0,879	3,075	22,968	2,090	5,175	23,012	5,910	22,522	-0,490			
123+10.000		-6,782	21,753	-1,055	-5,200	22,808	-3,100	22,871	-3,000	22,964	22,077	0,887	3,100	23,057	3,000	5,200	23,120	5,973	22,605	-0,515			
124+0.000		-6,683	21,926	-0,989	-5,200	22,915	-3,100	22,978	-3,000	23,071	22,176	0,895	3,100	23,164	3,000	5,200	23,227	5,779	22,841	-0,386			
124+4.182		-6,702	21,972	-1,001	-5,200	22,973	-3,100	23,036	-3,000	23,129	22,194	0,936	3,100	23,222	3,000	5,200	23,285	6,262	22,577	-0,708			
124+10.000		-6,423	22,253	-0,815	-5,200	23,068	-3,100	23,131	-3,000	23,224	22,217	1,008	3,100	23,317	3,000	5,200	23,380	6,127	22,762	-0,618			
125+0.000		-6,311	22,528	-0,741	-5,200	23,269	-3,100	23,332	-3,000	23,425	22,418	1,007	3,100	23,518	3,000	5,200	23,581	5,668	23,269	-0,312			
125+10.000		-6,354	22,729	-0,792	-5,165	23,521	-3,065	23,584	-2,870	23,672	22,825	0,848	3,065	23,728	1,820	5,165	23,766	5,547	23,512	-0,254			
125+14.272	PT	-6,227	22,912	-0,724	-5,140	23,636	-3,040	23,699	-2,920	23,788	22,977	0,811	3,040	23,822	1,120	5,140	23,845	5,462	24,326	0,481			
126+0.000		-5,851	23,294	-0,496	-5,106	23,790	-3,006	23,853	-2,990	23,943	23,300	0,643	3,006	23,948	0,180	5,106	23,952	6,002	25,289	1,337			
127+0.000		-5,384	24,109	-0,189	-5,100	24,298	-3,000	24,361	-3,000	24,451	24,158	0,293	3,000	24,361	-3,000	5,100	24,298	6,922	27,018	2,720			
128+0.000		-7,043	23,396	-1,295	-5,100	24,691	-3,000	24,754	-3,000	24,844	23,325	1,519	3,000	24,754	-3,000	5,100	24,691	5,780	24,238	-0,453			
129+0.000		-8,766	22,523	-2,444	-5,100	24,967	-3,000	25,030	-3,000	25,120	23,118	2,001	3,000	25,030	-3,000	5,100	24,967	7,243	23,538	-1,429			
130+0.000		-8,707	22,719	-2,405	-5,100	25,124	-3,000	25,187	-3,000	25,277	23,203	2,074	3,000	25,187	-3,000	5,100	25,124	7,204	23,721	-1,403			
131+0.000		-7,629	23,476	-1,686	-5,100	25,162	-3,000	25,225	-3,000	25,315	23,524	1,791	3,000	25,225	-3,000	5,100	25,162	5,994	24,566	-0,596			
132+0.000		-6,957	23,845	-1,237	-5,100	25,082	-3,000	25,145	-3,000	25,235	24,949	0,286	3,000	25,145	-3,000	5,100	25,082	5,676	25,942	0,860			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
133+0.000		-5,772	24,436	-0,448	-5,100	24,884	-3,000	24,947	-3,000	25,037	24,796	0,241	3,000	24,947	-3,000	5,100	24,884	-3,000	5,871	26,035	1,151				
134+0.000		-5,331	24,917	0,345	-5,100	24,572	-3,000	24,635	-3,000	24,725	25,061	-0,336	3,000	24,635	-3,000	5,100	24,572	-3,000	6,367	26,462	1,890				
135+0.000		-5,810	25,286	1,060	-5,100	24,226	-3,000	24,289	-3,000	24,379	25,496	-1,117	3,000	24,289	-3,000	5,100	24,226	-3,000	7,118	27,238	3,012				
136+0.000		-6,443	25,884	2,004	-5,100	23,880	-3,000	23,943	-3,000	24,033	25,844	-1,811	3,000	23,943	-3,000	5,100	23,880	-3,000	7,469	27,416	3,536				
137+0.000		-6,881	26,192	2,658	-5,100	23,534	-3,000	23,597	-3,000	23,687	26,189	-2,502	3,000	23,597	-3,000	5,100	23,534	-3,000	7,900	27,713	4,179				
138+0.000		-7,059	26,112	2,924	-5,100	23,188	-3,000	23,251	-3,000	23,341	26,168	-2,827	3,000	23,251	-3,000	5,100	23,188	-3,000	8,537	28,317	5,129				
139+0.000		-7,042	25,741	2,899	-5,100	22,842	-3,000	22,905	-3,000	22,995	24,363	-1,368	3,000	22,905	-3,000	5,100	22,842	-3,000	7,987	27,152	4,310				
140+0.000		-5,485	22,253	-0,257	-5,100	22,510	-3,000	22,573	-3,000	22,663	22,309	0,354	3,000	22,573	-3,000	5,100	22,510	-3,000	5,363	22,334	-0,176				
141+0.000		-7,865	20,428	-1,843	-5,100	22,271	-3,000	22,334	-3,000	22,424	20,883	1,541	3,000	22,334	-3,000	5,100	22,271	-3,000	8,077	20,286	-1,985				
142+0.000		-8,109	20,134	-2,006	-5,100	22,140	-3,000	22,203	-3,000	22,293	20,445	1,848	3,000	22,203	-3,000	5,100	22,140	-3,000	8,095	20,143	-1,997				
143+0.000		-8,282	19,995	-2,121	-5,100	22,116	-3,000	22,179	-3,000	22,269	20,217	2,053	3,000	22,179	-3,000	5,100	22,116	-3,000	8,778	19,664	-2,452				
144+0.000		-8,447	19,969	-2,231	-5,100	22,200	-3,000	22,263	-3,000	22,353	20,236	2,117	3,000	22,263	-3,000	5,100	22,200	-3,000	8,081	20,213	-1,987				
145+0.000		-8,615	20,048	-2,343	-5,100	22,391	-3,000	22,454	-3,000	22,544	20,274	2,270	3,000	22,454	-3,000	5,100	22,391	-3,000	8,158	20,353	-2,038				
146+0.000		-9,232	19,935	-2,755	-5,100	22,690	-3,000	22,753	-3,000	22,843	20,946	1,897	3,000	22,753	-3,000	5,100	22,690	-3,000	7,788	20,898	-1,792				
147+0.000		-8,315	20,952	-2,144	-5,100	23,096	-3,000	23,159	-3,000	23,249	21,227	2,021	3,000	23,159	-3,000	5,100	23,096	-3,000	7,627	21,411	-1,685				
148+0.000		-7,167	22,231	-1,378	-5,100	23,609	-3,000	23,672	-3,000	23,762	22,066	1,696	3,000	23,672	-3,000	5,100	23,609	-3,000	7,268	22,163	-1,446				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
149+0.000		-5,481	23,962	-0,254	-5,100	24,216	-3,000	24,279	-3,000	24,369	23,419	0,950	3,000	24,279	-3,000	5,100	24,216	6,846	23,052	-1,164			
150+0.000		-6,069	26,257	1,447	-5,100	24,810	-3,000	24,873	-3,000	24,963	26,014	-1,050	3,000	24,873	-3,000	5,100	24,810	5,595	24,480	-0,330			
151+0.000		-6,695	27,598	2,381	-5,100	25,217	-3,000	25,280	-3,000	25,370	27,873	-2,503	3,000	25,280	-3,000	5,100	25,217	6,081	26,682	1,465			
152+0.000		-6,805	27,955	2,545	-5,100	25,410	-3,000	25,473	-3,000	25,563	28,317	-2,753	3,000	25,534	-0,970	5,100	25,514	7,051	28,425	2,911			
152+6.487	TS	-6,685	27,792	2,365	-5,100	25,427	-3,000	25,490	-3,000	25,580	28,222	-2,642	3,000	25,580	0,000	5,100	25,580	7,304	28,870	3,290			
152+10.000		-6,659	27,700	2,274	-5,135	25,426	-3,035	25,489	-3,000	25,580	28,067	-2,487	3,035	25,596	0,530	5,135	25,607	7,270	28,793	3,186			
153+0.000		-6,657	27,508	2,122	-5,235	25,386	-3,135	25,449	-3,000	25,543	27,715	-2,172	3,135	25,607	2,030	5,235	25,649	7,807	29,489	3,840			
153+10.000		-6,542	27,066	1,801	-5,335	25,265	-3,235	25,339	-3,530	25,453	27,020	-1,567	3,235	25,567	3,530	5,335	25,641	7,800	29,321	3,680			
154+0.000		-6,281	26,298	1,262	-5,435	25,036	-3,335	25,141	-5,030	25,309	26,186	-0,877	3,335	25,477	5,030	5,435	25,582	6,737	27,525	1,943			
154+6.487	EC	-6,106	25,762	0,905	-5,500	24,857	-3,400	24,983	-6,000	25,187	25,477	-0,290	3,400	25,391	6,000	5,500	25,517	6,266	26,661	1,144			
154+10.000		-5,861	25,320	0,538	-5,500	24,782	-3,400	24,908	-6,000	25,112	25,089	0,023	3,400	25,316	6,000	5,500	25,442	6,105	26,345	0,903			
155+0.000		-6,279	24,039	-0,519	-5,500	24,558	-3,400	24,684	-6,000	24,888	24,093	0,795	3,400	25,092	6,000	5,500	25,218	5,742	25,580	0,362			
155+7.066		-7,412	23,125	-1,275	-5,500	24,400	-3,400	24,526	-6,000	24,730	23,541	1,189	3,400	24,934	6,000	5,500	25,060	5,566	25,159	0,099			
155+10.000		-7,889	22,742	-1,592	-5,500	24,334	-3,400	24,460	-6,000	24,664	23,310	1,354	3,400	24,868	6,000	5,500	24,994	5,513	25,013	0,019			
156+0.000		-8,556	22,073	-2,037	-5,500	24,110	-3,400	24,236	-6,000	24,440	22,660	1,780	3,400	24,644	6,000	5,500	24,770	6,611	24,030	-0,740			
156+7.644	CE	-8,492	21,945	-1,994	-5,500	23,939	-3,400	24,065	-6,000	24,269	22,356	1,914	3,400	24,473	6,000	5,500	24,599	7,438	23,307	-1,292			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
156+10.000		-8,509	21,885	-2,022	23,907	-5,476	23,907	-3,376	24,026	-5,650	24,217	22,259	1,958	3,376	24,407	5,650	5,476	24,526	7,655	23,073	-1,453		
157+0.000		-8,745	21,524	-2,246	23,770	-5,377	23,770	-3,277	23,857	-4,150	23,993	21,908	2,085	3,276	24,129	4,150	5,376	24,216	8,323	22,251	-1,965		
157+10.000		-8,734	21,306	-2,305	23,611	-5,276	23,611	-3,176	23,674	-3,000	23,769	21,704	2,065	3,176	23,853	2,650	5,276	23,908	8,140	21,999	-1,909		
158+0.000		-8,360	21,267	-2,123	23,390	-5,177	23,390	-3,077	23,453	-3,000	23,545	21,488	2,057	3,076	23,580	1,150	5,176	23,604	7,940	21,762	-1,842		
158+7.644	ET	-7,703	21,485	-1,736	23,221	-5,100	23,221	-3,000	23,284	-3,000	23,374	21,342	2,032	3,000	23,374	0,000	5,100	23,374	7,359	21,868	-1,506		
159+0.000		-7,408	21,406	-1,538	22,944	-5,100	22,944	-3,000	23,007	-3,000	23,097	21,327	1,770	3,000	23,042	-1,850	5,100	23,003	6,629	21,984	-1,019		
160+0.000		-7,547	20,879	-1,631	22,510	-5,100	22,510	-3,000	22,573	-3,000	22,663	21,142	1,521	3,000	22,573	-3,000	5,100	22,510	6,471	21,596	-0,914		
161+0.000		-7,633	20,484	-1,688	22,172	-5,100	22,172	-3,000	22,235	-3,000	22,325	20,329	1,996	3,000	22,235	-3,000	5,100	22,172	6,940	20,946	-1,226		
162+0.000		-8,165	19,974	-2,044	22,018	-5,100	22,018	-3,000	22,050	-1,560	22,097	20,139	1,958	3,000	22,007	-3,000	5,100	21,944	7,596	20,280	-1,664		
163+0.000		-8,569	19,722	-2,313	22,035	-5,100	22,035	-3,000	22,012	1,110	21,978	20,172	1,806	3,000	21,888	-3,000	5,100	21,825	7,610	20,152	-1,673		
163+10.000		-8,569	19,704	-2,313	22,017	-5,100	22,017	-3,000	21,993	1,110	21,960	20,341	1,619	3,000	21,870	-3,000	5,100	21,807	7,610	20,134	-1,673		
163+11.670	TS	-8,702	19,694	-2,402	22,096	-5,100	22,096	-3,000	22,040	2,670	21,960	20,381	1,578	3,000	21,870	-3,000	5,100	21,807	7,668	20,095	-1,712		
164+0.000		-9,015	19,640	-2,527	22,167	-5,225	22,167	-3,125	22,087	3,780	21,969	20,384	1,585	3,125	21,851	-3,780	5,225	21,772	8,036	19,898	-1,874		
164+10.000		-9,609	19,458	-2,823	22,281	-5,375	22,281	-3,275	22,173	5,110	22,006	20,228	1,778	3,275	21,839	-5,110	5,375	21,731	7,985	19,991	-1,740		
165+0.000		-9,873	19,513	-2,899	22,412	-5,524	22,412	-3,424	22,277	6,440	22,056	20,127	1,929	3,425	21,836	-6,440	5,525	21,700	7,941	20,090	-1,610		
165+10.000		-9,736	19,841	-2,707	22,548	-5,675	22,548	-3,575	22,385	7,780	22,107	20,244	1,863	3,575	21,829	-7,780	5,675	21,665	7,720	20,302	-1,363		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
165+11.670	EC	-9,666	19,927	-2,644	-5,700	22,571	-3,600	22,403	8,000	22,115	20,269	1,846	3,600	21,827	-8,000	5,700	21,659	-8,000	7,683	20,337	-1,322		
166+0.000		-9,079	20,360	-2,253	-5,700	22,613	-3,600	22,445	8,000	22,157	20,494	1,663	3,600	21,869	-8,000	5,700	21,701	-8,000	7,287	20,643	-1,058		
166+10.000		-7,907	21,192	-1,471	-5,700	22,663	-3,600	22,495	8,000	22,207	21,076	1,131	3,600	21,919	-8,000	5,700	21,751	-8,000	6,411	21,277	-0,474		
167+0.000		-6,455	22,210	-0,504	-5,700	22,714	-3,600	22,546	8,000	22,258	21,848	0,409	3,600	21,970	-8,000	5,700	21,802	-8,000	6,160	22,488	0,686		
167+4.468		-5,767	22,837	0,101	-5,700	22,736	-3,600	22,568	8,000	22,280	22,337	-0,057	3,600	21,992	-8,000	5,700	21,824	-8,000	6,475	22,982	1,158		
167+10.000		-6,284	23,635	0,871	-5,700	22,764	-3,600	22,596	8,000	22,308	22,929	-0,621	3,600	22,020	-8,000	5,700	21,852	-8,000	6,852	23,572	1,720		
168+0.000		-7,211	25,070	2,256	-5,700	22,814	-3,600	22,646	8,000	22,358	24,055	-1,697	3,600	22,070	-8,000	5,700	21,902	-8,000	7,483	24,564	2,662		
168+10.000		-7,878	26,115	3,250	-5,700	22,865	-3,600	22,697	8,000	22,409	25,218	-2,810	3,600	22,121	-8,000	5,700	21,953	-8,000	8,013	25,405	3,452		
168+17.266	CE	-8,036	26,388	3,487	-5,700	22,901	-3,600	22,733	8,000	22,445	26,020	-3,575	3,600	22,157	-8,000	5,700	21,989	-8,000	8,313	25,890	3,901		
169+0.000		-8,066	26,484	3,593	-5,658	22,891	-3,558	22,731	7,640	22,459	26,079	-3,619	3,560	22,187	-7,640	5,660	22,027	-7,640	8,312	25,986	3,959		
169+10.000		-7,145	25,298	2,441	-5,509	22,857	-3,409	22,724	6,300	22,510	25,973	-3,464	3,409	22,295	-6,300	5,509	22,162	-6,300	8,296	26,322	4,160		
170+0.000		-6,581	24,651	1,825	-5,359	22,826	-3,259	22,722	4,970	22,560	25,649	-3,089	3,259	22,398	-4,970	5,359	22,294	-4,970	8,193	26,523	4,229		
170+10.000		-6,059	24,068	1,268	-5,209	22,800	-3,109	22,723	3,640	22,610	25,346	-2,736	3,109	22,497	-3,640	5,209	22,421	-3,640	7,591	25,977	3,556		
170+17.266	ET	-5,639	23,587	0,804	-5,100	22,783	-3,000	22,727	2,670	22,647	25,168	-2,521	3,000	22,557	-3,000	5,100	22,494	-3,000	7,366	25,876	3,382		
171+0.000		-5,716	23,697	0,919	-5,100	22,778	-3,000	22,730	2,300	22,661	25,193	-2,533	3,000	22,571	-3,000	5,100	22,508	-3,000	7,362	25,883	3,375		
171+10.000		-5,716	23,748	0,920	-5,100	22,828	-3,000	22,780	2,300	22,711	25,260	-2,549	3,000	22,621	-3,000	5,100	22,558	-3,000	7,362	25,934	3,376		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
172+0.000		-6,513	24,851	2,108	-5,100	22,743	-3,000	22,750	-0,360	22,761	25,292	-2,531	3,000	22,671	-3,000	5,100	22,608	7,449	26,114	3,506			
173+0.000		-6,471	24,755	2,046	-5,100	22,709	-3,000	22,772	-3,000	22,862	24,593	-1,731	3,000	22,772	-3,000	5,100	22,709	7,327	26,032	3,323			
174+0.000		-5,648	22,445	-0,365	-5,100	22,810	-3,000	22,873	-3,000	22,963	22,837	0,125	3,000	22,902	-2,010	5,100	22,860	6,310	24,667	1,807			
174+7.535	TS	-6,533	21,893	-0,955	-5,100	22,848	-3,000	22,911	-3,000	23,001	22,340	0,661	3,000	23,001	0,000	5,100	23,001	5,738	23,953	0,952			
174+10.000		-6,819	21,751	-1,107	-5,157	22,858	-3,057	22,921	-3,000	23,013	22,204	0,809	3,057	23,033	0,660	5,157	23,047	5,214	23,009	-0,038			
175+0.000		-7,934	21,189	-1,695	-5,391	22,884	-3,291	22,954	-3,320	23,063	21,685	1,378	3,291	23,173	3,320	5,391	23,243	5,884	22,913	-0,330			
175+10.000		-8,799	20,661	-2,116	-5,625	22,777	-3,525	22,903	-5,990	23,114	21,410	1,703	3,524	23,325	5,990	5,624	23,451	7,345	22,303	-1,148			
175+17.535	EC	-9,363	20,313	-2,375	-5,800	22,688	-3,700	22,856	-8,000	23,152	21,163	1,989	3,700	23,448	8,000	5,800	23,616	8,928	21,530	-2,086			
176+0.000		-9,382	20,312	-2,388	-5,800	22,700	-3,700	22,868	-8,000	23,164	21,143	2,022	3,700	23,460	8,000	5,800	23,628	9,156	21,391	-2,237			
176+10.000		-9,139	20,525	-2,226	-5,800	22,751	-3,700	22,919	-8,000	23,215	21,094	2,121	3,700	23,511	8,000	5,800	23,679	9,797	21,014	-2,665			
176+17.168		-8,963	20,678	-2,109	-5,800	22,787	-3,700	22,955	-8,000	23,251	21,148	2,103	3,700	23,547	8,000	5,800	23,715	10,595	20,518	-3,197			
177+0.000		-9,130	20,581	-2,220	-5,800	22,801	-3,700	22,969	-8,000	23,265	21,009	2,256	3,700	23,561	8,000	5,800	23,729	10,698	20,464	-3,265			
177+10.000		-9,248	20,576	-2,299	-5,800	22,875	-3,700	23,043	-8,000	23,339	20,983	2,356	3,700	23,635	8,000	5,800	23,803	10,974	20,354	-3,449			
177+16.801	CE	-9,448	20,521	-2,432	-5,800	22,953	-3,700	23,121	-8,000	23,417	20,894	2,523	3,700	23,713	8,000	5,800	23,881	10,814	20,539	-3,342			
178+0.000		-9,543	20,499	-2,545	-5,726	23,044	-3,626	23,197	-7,290	23,461	20,868	2,593	3,625	23,726	7,290	5,725	23,879	10,146	20,931	-2,948			
178+10.000		-9,805	20,477	-2,876	-5,492	23,353	-3,392	23,459	-5,070	23,631	20,868	2,763	3,392	23,803	5,070	5,492	23,910	9,356	21,334	-2,576			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)										
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	Afast	Cota	Alt						
179+0.000		-10,124	20,456	-3,243	23,699	-5,259	23,759	-2,850	23,849	20,822	3,027	3,159	23,939	2,850	23,999	5,259	23,999	9,034	21,482	-2,517	9,034	21,482	-2,517								
179+6.801	ET	-10,306	20,486	-3,470	23,956	-3,000	23,984	-1,340	24,025	20,833	3,192	3,000	24,065	1,340	24,093	5,100	24,093	8,916	21,549	-2,544	8,916	21,549	-2,544								
179+8.912	TS	-10,420	20,493	-3,546	24,039	-3,000	24,057	-0,880	24,084	20,836	3,248	3,000	24,110	0,880	24,128	5,100	24,128	8,994	21,532	-2,596	8,994	21,532	-2,596								
179+10.000		-10,505	20,495	-3,587	24,082	-3,024	24,096	-0,630	24,115	20,837	3,278	3,025	24,134	0,630	24,147	5,125	24,147	9,028	21,545	-2,602	9,028	21,545	-2,602								
180+0.000		-11,087	20,688	-3,825	24,513	-3,249	24,480	1,590	24,429	20,997	3,432	3,250	24,377	-1,590	24,344	5,350	24,344	9,562	21,535	-2,809	9,562	21,535	-2,809								
180+10.000		-10,679	21,599	-3,403	25,002	-3,474	24,922	3,800	24,790	21,707	3,083	3,475	24,658	-3,800	24,578	5,575	24,578	9,446	21,997	-2,581	9,446	21,997	-2,581								
181+0.000		-10,357	22,510	-3,039	25,549	-3,699	25,422	6,020	25,199	22,063	3,136	3,700	24,977	-6,020	24,850	5,800	24,850	9,727	22,232	-2,618	9,727	22,232	-2,618								
181+8.912	EC	-11,187	22,626	-3,458	26,084	-3,900	25,916	8,000	25,604	23,141	2,463	3,900	25,292	-8,000	25,124	6,000	25,124	8,950	23,158	-1,966	8,950	23,158	-1,966								
181+10.000		-11,000	22,803	-3,334	26,137	-3,900	25,969	8,000	25,657	23,341	2,316	3,900	25,345	-8,000	25,177	6,000	25,177	8,820	23,297	-1,880	8,820	23,297	-1,880								
182+0.000		-8,310	25,102	-1,540	26,642	-3,900	26,474	8,000	26,162	25,038	1,123	3,900	25,850	-8,000	25,682	6,000	25,682	7,700	24,548	-1,134	7,700	24,548	-1,134								
182+10.000		-7,183	26,406	-0,788	27,194	-3,900	27,026	8,000	26,714	26,221	0,494	3,900	26,402	-8,000	26,234	6,000	26,234	6,228	26,082	-0,152	6,228	26,082	-0,152								
182+14.414		-6,706	26,983	-0,471	27,454	-3,900	27,286	8,000	26,974	26,941	0,032	3,900	26,662	-8,000	26,494	6,000	26,494	6,132	26,691	0,197	6,132	26,691	0,197								
183+0.000		-6,064	27,890	0,095	27,795	-3,900	27,627	8,000	27,315	27,796	-0,481	3,900	27,003	-8,000	26,835	6,000	26,835	6,380	27,402	0,567	6,380	27,402	0,567								
183+10.000		-6,403	29,045	0,601	28,444	-3,900	28,276	8,000	27,964	28,970	-1,007	3,900	27,652	-8,000	27,484	6,000	27,484	6,670	28,484	1,000	6,670	28,484	1,000								
183+19.917	CE	-6,697	30,174	1,040	29,134	-3,900	28,966	8,000	28,654	29,995	-1,341	3,900	28,342	-8,000	28,174	6,000	28,174	7,021	29,698	1,524	7,021	29,698	1,524								
184+0.000		-6,697	30,183	1,044	29,139	-3,898	28,972	7,980	28,660	30,005	-1,345	3,898	28,349	-7,980	28,182	5,998	28,182	7,023	29,711	1,529	7,023	29,711	1,529								



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
184+10.000		-6,789	31,268	1,518	-5,772	29,750	-3,672	29,624	5,980	29,405	31,127	-1,722	3,674	29,185	-5,980	5,774	29,059	-5,980	7,063	30,983	1,924		
185+0.000		-6,527	31,879	1,461	-5,548	30,418	-3,448	30,334	3,980	30,197	32,136	-1,939	3,448	30,060	-3,980	5,548	29,976	-3,980	6,899	31,992	2,016		
185+10.000		-6,446	32,820	1,677	-5,323	31,143	-3,223	31,101	1,980	31,037	33,061	-2,023	3,223	30,940	-3,000	5,323	30,877	-3,000	6,979	33,349	2,472		
185+19.917	ET	-6,405	33,866	1,949	-5,100	31,917	-3,000	31,917	0,000	31,917	34,361	-2,444	3,000	31,827	-3,000	5,100	31,764	-3,000	6,708	34,164	2,400		
186+0.000		-6,406	33,874	1,950	-5,100	31,924	-3,000	31,924	-0,020	31,925	34,371	-2,446	2,998	31,835	-3,000	5,098	31,772	-3,000	6,708	34,176	2,404		
187+0.000		-7,471	37,134	3,538	-5,100	33,596	-3,000	33,659	-3,000	33,749	36,348	-2,599	3,000	33,659	-3,000	5,100	33,596	-3,000	7,329	36,922	3,326		
188+0.000		-7,738	39,357	3,938	-5,100	35,419	-3,000	35,482	-3,000	35,572	38,792	-3,220	3,000	35,482	-3,000	5,100	35,419	-3,000	8,041	39,809	4,390		
189+0.000		-8,160	41,810	4,567	-5,100	37,243	-3,000	37,306	-3,000	37,396	41,937	-4,540	3,000	37,306	-3,000	5,100	37,243	-3,000	8,106	41,730	4,487		
190+0.000		-8,330	43,888	4,821	-5,100	39,067	-3,000	39,130	-3,000	39,220	43,302	-4,082	3,000	39,130	-3,000	5,100	39,067	-3,000	8,290	43,828	4,761		
191+0.000		-8,487	45,946	5,055	-5,100	40,891	-3,000	40,954	-3,000	41,044	45,227	-4,184	3,000	40,954	-3,000	5,100	40,891	-3,000	8,406	45,824	4,933		
192+0.000		-8,519	47,817	5,103	-5,100	42,714	-3,000	42,777	-3,000	42,867	47,140	-4,272	3,000	42,777	-3,000	5,100	42,714	-3,000	8,350	47,565	4,851		
193+0.000		-8,334	49,365	4,827	-5,100	44,538	-3,000	44,601	-3,000	44,691	48,580	-3,889	3,000	44,601	-3,000	5,100	44,538	-3,000	7,913	48,736	4,198		
194+0.000		-8,023	50,725	4,363	-5,100	46,362	-3,000	46,425	-3,000	46,515	49,930	-3,415	3,000	46,425	-2,110	5,100	46,407	-2,110	7,455	49,923	3,516		
194+12.647	TS	-7,706	51,405	3,890	-5,100	47,515	-3,000	47,578	-3,000	47,668	50,680	-3,011	3,000	47,668	0,000	5,100	47,668	0,000	7,186	50,782	3,114		
195+0.000		-7,576	51,806	3,622	-5,149	48,184	-3,049	48,247	-3,000	48,339	51,126	-2,787	3,049	48,376	1,230	5,149	48,402	1,230	7,073	51,273	2,871		
195+10.000		-7,488	52,486	3,392	-5,216	49,094	-3,116	49,157	-3,000	49,250	51,763	-2,512	3,116	49,341	2,890	5,216	49,401	2,890	6,989	52,048	2,647		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
196+0.000		-7,504	53,237	3,315	-5,282	49,922	-3,182	50,017	-4,560	50,162	52,409	-2,247	3,182	50,307	4,560	5,282	50,403	6,870	52,772	2,369			
196+2.647	EC	-7,501	53,424	3,285	-5,300	50,139	-3,200	50,244	-5,000	50,404	52,585	-2,181	3,200	50,564	5,000	5,300	50,669	6,804	52,914	2,245			
196+10.000		-7,373	53,903	3,094	-5,300	50,809	-3,200	50,914	-5,000	51,074	53,068	-1,994	3,200	51,234	5,000	5,300	51,339	6,627	53,320	1,981			
197+0.000		-7,175	54,520	2,799	-5,300	51,721	-3,200	51,826	-5,000	51,986	53,769	-1,783	3,200	52,146	5,000	5,300	52,251	6,653	54,271	2,020			
197+1.778		-7,170	54,675	2,792	-5,300	51,883	-3,200	51,988	-5,000	52,148	53,926	-1,778	3,200	52,308	5,000	5,300	52,413	6,663	54,447	2,034			
197+10.000		-7,147	55,390	2,757	-5,300	52,633	-3,200	52,738	-5,000	52,898	54,652	-1,754	3,200	53,058	5,000	5,300	53,163	6,671	55,209	2,046			
198+0.000		-7,084	56,208	2,663	-5,300	53,545	-3,200	53,650	-5,000	53,810	55,532	-1,722	3,200	53,970	5,000	5,300	54,075	6,444	55,783	1,708			
198+0.909	CE	-7,070	56,270	2,642	-5,300	53,628	-3,200	53,733	-5,000	53,893	55,611	-1,718	3,200	54,053	5,000	5,300	54,158	6,445	55,867	1,709			
198+10.000		-6,819	56,897	2,358	-5,239	54,539	-3,139	54,612	-3,480	54,722	56,399	-1,677	3,139	54,831	3,480	5,239	54,904	6,588	56,918	2,014			
199+0.000		-6,626	57,648	2,170	-5,173	55,478	-3,073	55,541	-3,000	55,634	57,243	-1,610	3,073	55,689	1,820	5,173	55,728	6,711	58,024	2,296			
199+10.000		-6,608	58,633	2,241	-5,106	56,392	-3,006	56,455	-3,000	56,545	58,011	-1,465	3,006	56,550	0,150	5,106	56,553	6,361	58,427	1,874			
199+10.909	ET	-6,606	58,723	2,248	-5,100	56,475	-3,000	56,538	-3,000	56,628	58,080	-1,452	3,000	56,628	0,000	5,100	56,628	6,361	58,511	1,883			
200+0.000		-6,652	59,620	2,316	-5,100	57,304	-3,000	57,367	-3,000	57,457	58,846	-1,389	3,000	57,412	-1,520	5,100	57,380	6,420	59,351	1,971			
201+0.000		-6,763	61,575	2,482	-5,100	59,093	-3,000	59,156	-3,000	59,246	60,774	-1,528	3,000	59,156	-3,000	5,100	59,093	6,624	61,368	2,275			
202+0.000		-7,054	63,551	2,917	-5,100	60,634	-3,000	60,697	-3,000	60,787	62,613	-1,826	3,000	60,697	-3,000	5,100	60,634	6,682	62,995	2,361			
203+0.000		-7,203	65,031	3,139	-5,100	61,892	-3,000	61,955	-3,000	62,045	64,998	-2,953	3,000	61,955	-3,000	5,100	61,892	6,521	64,012	2,120			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
204+0.000		-6,808	65,417	2,550	-5,100	62,867	-3,000	62,930	-3,000	63,020	65,323	-2,303	3,000	62,930	-3,000	5,100	62,867	-3,000	6,414	64,829	1,962		
205+0.000		-6,407	65,511	1,951	-5,100	63,560	-3,000	63,623	-3,000	63,713	65,332	-1,619	3,000	63,623	-3,000	5,100	63,560	-3,000	5,945	64,821	1,261		
206+0.000		-5,780	64,985	1,015	-5,100	63,970	-3,000	64,033	-3,000	64,123	65,054	-0,931	3,000	64,033	-3,000	5,100	63,970	-3,000	5,718	64,893	0,923		
207+0.000		-6,179	65,744	1,611	-5,100	64,133	-3,000	64,196	-3,000	64,286	65,492	-1,207	3,000	64,196	-3,000	5,100	64,133	-3,000	5,644	64,945	0,812		
208+0.000		-5,309	64,572	0,312	-5,100	64,260	-3,000	64,323	-3,000	64,413	64,543	-0,130	3,000	64,323	-3,000	5,100	64,260	-3,000	6,005	63,657	-0,603		
209+0.000		-9,239	61,628	-2,759	-5,100	64,387	-3,000	64,450	-3,000	64,540	62,662	1,878	3,000	64,450	-3,000	5,100	64,387	-3,000	9,469	61,475	-2,912		
210+0.000		-7,442	62,954	-1,561	-5,100	64,515	-3,000	64,578	-3,000	64,668	63,157	1,511	3,000	64,578	-3,000	5,100	64,515	-3,000	7,236	63,091	-1,424		
211+0.000		-5,428	64,423	-0,219	-5,100	64,642	-3,000	64,705	-3,000	64,795	64,844	-0,049	3,000	64,705	-3,000	5,100	64,642	-3,000	5,811	65,703	1,061		
212+0.000		-5,843	65,878	1,109	-5,100	64,769	-3,000	64,832	-3,000	64,922	65,958	-1,036	3,000	64,832	-3,000	5,100	64,769	-3,000	6,024	66,148	1,379		
213+0.000		-6,317	66,714	1,817	-5,100	64,897	-3,000	64,960	-3,000	65,050	66,396	-1,347	3,000	64,960	-3,000	5,100	64,897	-3,000	6,098	66,385	1,488		
214+0.000		-6,184	66,642	1,618	-5,100	65,024	-3,000	65,087	-3,000	65,177	66,891	-1,714	3,000	65,087	-3,000	5,100	65,024	-3,000	5,915	66,240	1,216		
215+0.000		-6,009	66,508	1,357	-5,100	65,151	-3,000	65,214	-3,000	65,304	66,377	-1,072	3,000	65,214	-3,000	5,100	65,151	-3,000	5,692	66,035	0,884		
216+0.000		-6,400	67,218	1,940	-5,100	65,278	-3,000	65,341	-3,000	65,431	66,884	-1,452	3,000	65,341	-3,000	5,100	65,278	-3,000	5,898	66,469	1,191		
217+0.000		-7,163	68,484	3,078	-5,100	65,406	-3,000	65,469	-3,000	65,559	67,477	-1,919	3,000	65,469	-3,000	5,100	65,406	-3,000	5,929	66,644	1,238		
218+0.000		-6,718	64,454	-1,079	-5,100	65,533	-3,000	65,596	-3,000	65,686	64,384	1,302	3,000	65,596	-3,000	5,100	65,533	-3,000	7,534	63,910	-1,623		
219+0.000		-7,689	63,935	-1,725	-5,100	65,660	-3,000	65,723	-3,000	65,813	63,972	1,841	3,000	65,723	-3,000	5,100	65,660	-3,000	7,614	63,984	-1,676		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
220+0.000		-7,003	68,627	2,839	-5,100	65,788	-3,000	65,851	-3,000	65,941	68,326	-2,385	3,000	65,851	-3,000	5,100	65,788	6,423	67,762	1,974			
221+0.000		-7,849	70,018	4,103	-5,100	65,915	-3,000	65,978	-3,000	66,068	68,596	-2,528	3,000	65,978	-3,000	5,100	65,915	6,682	68,277	2,362			
222+0.000		-8,468	71,070	5,028	-5,100	66,042	-3,000	66,105	-3,000	66,195	69,767	-3,572	3,000	66,105	-3,000	5,100	66,042	7,521	69,656	3,614			
223+0.000		-8,763	71,709	5,467	-5,100	66,242	-3,000	66,275	-1,570	66,322	70,469	-4,146	3,000	66,232	-3,000	5,100	66,169	7,213	69,323	3,154			
223+7.873	TS	-8,638	71,653	5,280	-5,100	66,373	-3,000	66,373	0,000	66,373	70,128	-3,755	3,000	66,283	-3,000	5,100	66,220	7,193	69,344	3,124			
223+10.000		-8,597	71,584	5,176	-5,128	66,408	-3,028	66,399	0,430	66,386	70,062	-3,676	3,028	66,295	-3,000	5,128	66,232	7,215	69,347	3,115			
224+0.000		-8,466	71,359	4,782	-5,262	66,577	-3,162	66,526	2,430	66,450	69,671	-3,221	3,162	66,355	-3,000	5,262	66,292	7,246	69,254	2,962			
224+10.000		-8,692	71,672	4,920	-5,395	66,752	-3,295	66,659	4,430	66,513	68,973	-2,459	3,295	66,368	-4,430	5,395	66,275	7,158	68,906	2,631			
224+17.873	EC	-8,021	70,656	3,763	-5,500	66,893	-3,400	66,767	6,000	66,563	69,534	-2,971	3,400	66,359	-6,000	5,500	66,233	7,035	68,525	2,292			
225+0.000		-7,879	70,457	3,550	-5,500	66,907	-3,400	66,781	6,000	66,577	69,200	-2,623	3,400	66,373	-6,000	5,500	66,247	6,987	68,466	2,219			
225+10.000		-7,335	69,709	2,738	-5,500	66,971	-3,400	66,845	6,000	66,641	69,057	-2,416	3,400	66,437	-6,000	5,500	66,311	6,598	67,949	1,638			
225+18.541		-6,850	69,039	2,014	-5,500	67,025	-3,400	66,899	6,000	66,695	68,536	-1,841	3,400	66,491	-6,000	5,500	66,365	6,117	67,286	0,921			
226+0.000		-6,779	68,944	1,910	-5,500	67,034	-3,400	66,908	6,000	66,704	68,470	-1,766	3,400	66,500	-6,000	5,500	66,374	6,085	67,248	0,874			
226+10.000		-6,291	68,278	1,180	-5,500	67,098	-3,400	66,972	6,000	66,768	68,016	-1,248	3,400	66,564	-6,000	5,500	66,438	5,868	66,987	0,549			
226+19.209	CE	-5,887	67,735	0,578	-5,500	67,157	-3,400	67,031	6,000	66,827	67,598	-0,771	3,400	66,623	-6,000	5,500	66,497	5,670	66,750	0,253			
227+0.000		-5,851	67,691	0,539	-5,489	67,152	-3,389	67,030	5,840	66,832	67,569	-0,737	3,390	66,634	-5,840	5,490	66,511	5,640	66,735	0,224			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito						
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota
227+10.000		-5,406	67,175	0,074	-5,356	67,101	-3,256	67,020	3,840	66,895	67,205	-0,309	66,895	67,205	-0,309	3,256	66,770	-3,840	5,356	66,689	-3,840	5,590	66,534	-0,155
228+0.000		-5,328	66,985	-0,070	-5,223	67,055	-3,123	67,016	1,840	66,959	66,848	0,111	66,959	66,848	0,111	3,123	66,865	-3,000	5,223	66,802	-3,000	5,898	66,352	-0,450
228+9.209	ET	-5,146	66,982	-0,030	-5,100	67,012	-3,000	67,012	0,000	67,012	66,522	0,490	67,012	66,522	0,490	3,000	66,922	-3,000	5,100	66,859	-3,000	5,985	66,270	-0,589
229+0.000		-5,754	66,517	-0,435	-5,100	66,952	-3,000	66,998	-2,160	67,062	66,189	0,873	67,062	66,189	0,873	3,000	66,972	-3,000	5,100	66,909	-3,000	6,280	66,123	-0,786
230+0.000		-6,357	66,128	-0,838	-5,100	66,966	-3,000	67,029	-3,000	67,119	66,113	1,005	67,119	66,113	1,005	3,000	67,029	-3,000	5,100	66,966	-3,000	6,094	66,303	-0,663
231+0.000		-5,982	66,387	-0,588	-5,100	66,975	-3,000	67,038	-3,000	67,128	67,126	0,002	67,128	67,126	0,002	3,000	67,039	-2,970	5,100	66,976	-2,970	5,234	67,176	0,200
232+0.000		-7,490	65,343	-1,593	-5,100	66,936	-3,000	66,999	-3,000	67,089	66,726	0,364	67,089	66,726	0,364	3,000	67,060	-0,970	5,100	67,040	-0,970	5,163	66,998	-0,042
232+9.703	TS	-8,496	64,636	-2,264	-5,100	66,900	-3,000	66,963	-3,000	67,053	66,182	0,871	67,053	66,182	0,871	3,000	67,053	0,000	5,100	67,053	0,000	5,940	66,494	-0,559
232+10.000		-8,525	64,617	-2,282	-5,102	66,899	-3,002	66,962	-3,000	67,052	66,165	0,887	67,052	66,165	0,887	3,002	67,053	0,030	5,102	67,054	0,030	5,939	66,496	-0,558
233+0.000		-8,775	64,449	-2,399	-5,178	66,848	-3,078	66,911	-3,000	67,003	65,717	1,287	67,003	65,717	1,287	3,077	67,035	1,030	5,177	67,057	1,030	5,814	66,632	-0,425
233+10.000		-10,343	63,392	-3,393	-5,253	66,785	-3,153	66,848	-3,000	66,943	65,671	1,271	66,943	65,671	1,271	3,152	67,007	2,030	5,252	67,049	2,030	5,824	66,667	-0,382
234+0.000		-10,953	62,959	-3,750	-5,327	66,709	-3,227	66,772	-3,030	66,870	65,632	1,239	66,870	65,632	1,239	3,227	66,968	3,030	5,327	67,032	3,030	5,812	66,708	-0,324
234+10.000		-9,444	63,874	-2,694	-5,403	66,568	-3,303	66,653	-4,030	66,786	65,689	1,097	66,786	65,689	1,097	3,301	66,919	4,030	5,401	67,004	4,030	5,502	66,936	-0,068
235+0.000		-8,979	64,080	-2,334	-5,479	66,414	-3,379	66,520	-5,030	66,690	65,784	0,906	66,690	65,784	0,906	3,376	66,859	5,030	5,476	66,965	5,030	5,588	67,133	0,168
235+10.000		-7,987	64,625	-1,622	-5,554	66,247	-3,454	66,373	-6,030	66,582	66,262	0,319	66,582	66,262	0,319	3,451	66,790	6,030	5,551	66,916	6,030	5,942	67,500	0,584
236+0.000		-7,197	65,020	-1,046	-5,628	66,066	-3,528	66,214	-7,030	66,462	66,564	-0,102	66,462	66,564	-0,102	3,527	66,710	7,030	5,627	66,857	7,030	6,224	67,749	0,892



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
236+9.703	EC	-6,480	65,364	-0,520	5,700	65,884	-3,600	66,052	-8,000	66,340	66,589	-0,249	3,600	66,628	8,000	5,700	66,796	8,000	6,534	68,041	1,245		
236+10.000		-6,476	65,363	-0,517	5,700	65,880	-3,600	66,048	-8,000	66,336	66,587	-0,251	3,600	66,624	8,000	5,700	66,792	8,000	6,541	68,047	1,255		
237+0.000		-6,356	65,317	-0,437	5,700	65,754	-3,600	65,922	-8,000	66,210	66,498	-0,287	3,600	66,498	8,000	5,700	66,666	8,000	6,592	67,998	1,332		
237+10.000		-6,094	65,366	-0,263	5,700	65,629	-3,600	65,797	-8,000	66,085	66,502	-0,417	3,600	66,373	8,000	5,700	66,541	8,000	6,592	67,872	1,331		
238+0.000		-5,910	65,363	-0,140	5,700	65,503	-3,600	65,671	-8,000	65,959	66,454	-0,496	3,600	66,247	8,000	5,700	66,415	8,000	6,676	67,871	1,456		
238+8.149		-5,802	65,553	0,153	5,700	65,400	-3,600	65,568	-8,000	65,856	66,595	-0,739	3,600	66,144	8,000	5,700	66,312	8,000	7,110	68,416	2,104		
238+10.000		-5,823	65,561	0,184	5,700	65,377	-3,600	65,545	-8,000	65,833	66,605	-0,772	3,600	66,121	8,000	5,700	66,289	8,000	7,196	68,522	2,233		
239+0.000		-5,937	65,605	0,354	5,700	65,251	-3,600	65,419	-8,000	65,707	66,705	-0,997	3,600	65,995	8,000	5,700	66,163	8,000	7,590	68,984	2,821		
239+10.000		-6,219	65,900	0,775	5,700	65,125	-3,600	65,293	-8,000	65,581	67,274	-1,692	3,600	65,869	8,000	5,700	66,037	8,000	7,573	68,833	2,796		
240+0.000		-6,512	66,212	1,212	5,700	65,000	-3,600	65,168	-8,000	65,456	67,639	-2,183	3,600	65,744	8,000	5,700	65,912	8,000	7,645	68,814	2,902		
240+6.595	CE	-6,677	66,375	1,458	5,700	64,917	-3,600	65,085	-8,000	65,373	67,846	-2,473	3,600	65,661	8,000	5,700	65,829	8,000	7,745	68,881	3,052		
240+10.000		-6,712	66,442	1,547	5,676	64,895	-3,576	65,056	-7,660	65,330	67,916	-2,586	3,573	65,604	7,660	5,673	65,764	7,660	7,781	68,910	3,146		
241+0.000		-6,863	66,714	1,883	5,601	64,831	-3,501	64,971	-6,660	65,204	68,075	-2,871	3,497	65,437	6,660	5,597	65,577	6,660	7,912	69,032	3,455		
241+10.000		-7,063	67,060	2,294	5,526	64,766	-3,426	64,884	-5,660	65,078	68,429	-3,350	3,423	65,272	5,660	5,523	65,391	5,660	8,097	69,233	3,842		
242+0.000		-7,210	67,325	2,626	5,450	64,699	-3,350	64,796	-4,660	64,953	68,701	-3,749	3,349	65,109	4,660	5,449	65,206	4,660	8,267	69,413	4,207		
242+10.000		-7,430	67,698	3,068	5,375	64,630	-3,275	64,707	-3,660	64,827	68,985	-4,158	3,274	64,947	3,660	5,374	65,023	3,660	8,468	69,641	4,618		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
243+0.000		-7,613	67,993	3,451	-5,300	64,542	-3,200	64,605	-3,000	64,701	68,043	-3,342	3,199	64,786	2,660	5,299	64,842	8,762	70,011	5,169			
243+10.000		-7,528	67,855	3,437	-5,225	64,418	-3,125	64,481	-3,000	64,575	67,901	-3,326	3,124	64,627	1,660	5,224	64,662	8,499	69,551	4,889			
244+0.000		-7,073	67,165	2,870	-5,150	64,295	-3,050	64,358	-3,000	64,449	68,370	-3,920	3,049	64,470	0,660	5,149	64,483	8,219	69,065	4,582			
244+6.595	ET	-6,949	66,973	2,760	-5,100	64,213	-3,000	64,276	-3,000	64,366	68,095	-3,728	3,000	64,366	0,000	5,100	64,366	7,960	68,635	4,269			
245+0.000		-6,781	66,554	2,509	-5,100	64,045	-3,000	64,108	-3,000	64,198	66,573	-2,376	3,000	64,158	-1,340	5,100	64,130	6,881	66,788	2,658			
246+0.000		-5,751	64,765	0,972	-5,100	63,793	-3,000	63,856	-3,000	63,946	64,049	-0,102	3,000	63,856	-3,000	5,100	63,793	5,301	64,093	0,300			
247+0.000		-6,789	62,542	-1,126	-5,100	63,668	-3,000	63,731	-3,000	63,821	61,115	2,706	3,000	63,731	-3,000	5,100	63,668	10,014	60,392	-3,276			
248+0.000		-5,917	63,250	-0,545	-5,100	63,795	-3,000	63,858	-3,000	63,948	61,882	2,066	3,000	63,858	-3,000	5,100	63,795	10,594	60,132	-3,663			
249+0.000		-6,089	65,650	1,477	-5,100	64,173	-3,000	64,236	-3,000	64,326	64,561	-0,235	3,000	64,236	-3,000	5,100	64,173	6,174	63,457	-0,716			
250+0.000		-7,036	67,694	2,889	-5,100	64,805	-3,000	64,868	-3,000	64,958	67,268	-2,311	3,000	64,868	-3,000	5,100	64,805	6,266	66,545	1,740			
251+0.000		-7,038	68,580	2,892	-5,100	65,688	-3,000	65,751	-3,000	65,841	69,091	-3,250	3,000	65,751	-3,000	5,100	65,688	6,949	68,447	2,759			
252+0.000		-7,869	70,957	4,134	-5,100	66,823	-3,000	66,886	-3,000	66,976	70,265	-3,289	3,000	66,927	-1,650	5,100	66,892	7,633	70,672	3,780			
252+6.338	TS	-7,895	71,395	4,172	-5,100	67,223	-3,000	67,286	-3,000	67,376	70,746	-3,370	3,000	67,376	0,000	5,100	67,376	7,678	71,223	3,847			
252+10.000		-7,976	71,654	4,202	-5,161	67,452	-3,061	67,515	-3,000	67,607	71,023	-3,417	3,061	67,636	0,950	5,161	67,656	7,749	71,518	3,862			
253+0.000		-8,186	72,316	4,268	-5,328	68,048	-3,228	68,123	-3,550	68,238	71,790	-3,553	3,228	68,352	3,550	5,328	68,427	7,886	72,246	3,819			
253+10.000		-8,371	72,823	4,293	-5,495	68,530	-3,395	68,660	-6,150	68,868	72,905	-4,036	3,394	69,077	6,150	5,494	69,206	8,002	72,950	3,744			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
253+16.338	EC	-8,462	73,103	4,272	-5,600	68,831	-3,500	68,995	-7,800	69,268	73,467	-4,199	3,500	69,541	7,800	5,600	69,705	8,094	8,094	73,428	3,723				
254+0.000		-8,411	73,257	4,195	-5,600	69,062	-3,500	69,226	-7,800	69,499	73,253	-3,753	3,500	69,772	7,800	5,600	69,936	8,071	8,071	73,624	3,688				
254+9.095		-8,271	73,622	3,986	-5,600	69,636	-3,500	69,800	-7,800	70,073	73,689	-3,616	3,500	70,346	7,800	5,600	70,510	7,933	7,933	73,993	3,483				
254+10.000		-8,255	73,656	3,963	-5,600	69,693	-3,500	69,857	-7,800	70,130	73,710	-3,580	3,500	70,403	7,800	5,600	70,567	7,920	7,920	74,030	3,463				
255+0.000		-8,053	73,986	3,662	-5,600	70,324	-3,500	70,488	-7,800	70,761	73,868	-3,107	3,500	71,034	7,800	5,600	71,198	7,736	7,736	74,386	3,188				
255+1.852	CE	-7,999	74,021	3,580	-5,600	70,441	-3,500	70,605	-7,800	70,878	73,918	-3,040	3,500	71,151	7,800	5,600	71,314	7,704	7,704	74,455	3,141				
255+10.000		-7,575	74,232	3,151	-5,464	71,081	-3,364	71,200	-5,680	71,392	74,132	-2,740	3,364	71,583	5,680	5,464	71,702	7,483	7,483	74,715	3,013				
256+0.000		-7,062	74,493	2,634	-5,297	71,859	-3,197	71,924	-3,080	72,022	74,383	-2,360	3,197	72,121	3,080	5,297	72,186	7,156	7,156	74,959	2,773				
256+10.000		-6,676	74,805	2,306	-5,131	72,499	-3,031	72,562	-3,000	72,653	74,613	-1,960	3,031	72,668	0,480	5,131	72,678	6,844	6,844	75,234	2,556				
256+11.852	ET	-6,601	74,857	2,240	-5,100	72,617	-3,000	72,680	-3,000	72,770	74,656	-1,886	3,000	72,770	0,000	5,100	72,770	6,773	6,773	75,266	2,496				
257+0.000		-6,407	75,082	1,951	-5,100	73,131	-3,000	73,194	-3,000	73,284	74,862	-1,579	3,000	73,220	-2,120	5,100	73,176	6,616	6,616	75,439	2,263				
258+0.000		-6,050	75,811	1,419	-5,100	74,392	-3,000	74,455	-3,000	74,545	75,544	-0,998	3,000	74,455	-3,000	5,100	74,392	6,347	6,347	76,254	1,862				
259+0.000		-6,063	77,091	1,437	-5,100	75,654	-3,000	75,717	-3,000	75,807	76,530	-0,723	3,000	75,717	-3,000	5,100	75,654	6,436	6,436	77,648	1,994				
260+0.000		-6,090	78,355	1,477	-5,100	76,878	-3,000	76,941	-3,000	77,031	77,752	-0,721	3,000	76,941	-3,000	5,100	76,878	6,191	6,191	78,506	1,628				
261+0.000		-6,305	79,763	1,799	-5,100	77,964	-3,000	77,975	-0,530	77,991	79,145	-1,154	3,000	77,901	-3,000	5,100	77,838	6,552	6,552	80,006	2,168				
261+2.625	TS	-6,339	79,945	1,850	-5,100	78,095	-3,000	78,095	0,000	78,095	79,321	-1,227	3,000	78,005	-3,000	5,100	77,942	6,593	6,593	80,171	2,229				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
261+10.000		-6,566	80,459	2,024	-5,211	78,435	-3,111	78,404	1,470	78,358	79,815	-1,457	3,111	78,265	-3,000	5,211	78,202	-3,000	6,841	80,635	2,433				
262+0.000		-6,902	81,138	2,301	-5,360	78,837	-3,260	78,764	3,470	78,651	80,435	-1,784	3,261	78,537	-3,470	5,361	78,464	-3,470	7,031	80,957	2,493				
262+10.000		-7,057	81,477	2,308	-5,510	79,169	-3,410	79,054	5,470	78,867	80,819	-1,952	3,411	78,681	-5,470	5,511	78,566	-5,470	7,126	80,976	2,410				
263+0.000		-6,912	81,301	1,869	-5,660	79,432	-3,560	79,275	7,470	79,009	80,757	-1,748	3,561	78,743	-7,470	5,661	78,586	-7,470	7,233	80,931	2,345				
263+2.625	EC	-6,835	81,183	1,693	-5,700	79,490	-3,600	79,322	8,000	79,034	80,697	-1,663	3,600	78,746	-8,000	5,700	78,578	-8,000	7,230	80,862	2,284				
263+10.000		-6,272	80,385	0,854	-5,700	79,531	-3,600	79,363	8,000	79,075	80,809	-1,734	3,600	78,787	-8,000	5,700	78,619	-8,000	7,024	80,595	1,976				
264+0.000		-5,829	79,436	-0,086	-5,700	79,522	-3,600	79,354	8,000	79,066	80,266	-1,200	3,600	78,778	-8,000	5,700	78,610	-8,000	6,701	80,104	1,494				
264+4.700		-6,466	78,981	-0,511	-5,700	79,492	-3,600	79,324	8,000	79,036	79,835	-0,799	3,600	78,748	-8,000	5,700	78,580	-8,000	6,439	79,682	1,102				
264+10.000		-7,071	78,524	-0,914	-5,700	79,438	-3,600	79,270	8,000	78,982	79,283	-0,301	3,600	78,694	-8,000	5,700	78,526	-8,000	6,133	79,172	0,646				
265+0.000		-8,057	77,707	-1,571	-5,700	79,278	-3,600	79,110	8,000	78,822	78,182	0,640	3,600	78,534	-8,000	5,700	78,366	-8,000	6,012	78,158	-0,208				
265+6.774	CE	-8,838	77,036	-2,091	-5,700	79,127	-3,600	78,959	8,000	78,671	77,394	1,278	3,600	78,383	-8,000	5,700	78,215	-8,000	6,853	77,447	-0,768				
265+10.000		-9,272	76,589	-2,414	-5,652	79,003	-3,552	78,849	7,350	78,588	76,466	2,121	3,552	78,326	-7,350	5,652	78,172	-7,350	7,228	77,121	-1,051				
266+0.000		-10,460	75,303	-3,307	-5,501	78,610	-3,401	78,497	5,350	78,315	75,526	2,789	3,402	78,133	-5,350	5,502	78,020	-5,350	8,293	76,160	-1,860				
266+10.000		-11,270	74,277	-3,945	-5,352	78,222	-3,252	78,152	3,350	78,043	74,907	3,136	3,252	77,934	-3,350	5,352	77,863	-3,350	9,207	75,293	-2,570				
267+0.000		-11,627	73,557	-4,284	-5,202	77,841	-3,102	77,812	1,350	77,770	74,441	3,330	3,102	77,677	-3,000	5,202	77,614	-3,000	10,246	74,251	-3,363				
267+6.774	ET	-11,740	73,172	-4,426	-5,100	77,598	-3,000	77,598	0,000	77,598	74,284	3,314	3,000	77,508	-3,000	5,100	77,445	-3,000	10,831	73,625	-3,820				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito							
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)				
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
268+0.000		-11,953	72,633	-4,569	77,202	-5,100	77,202	-3,000	77,257	-2,650	77,337	73,997	3,340	3,000	77,247	-3,000	77,184	5,100	5,100	11,783	72,728	-4,456			
269+0.000		-11,466	72,796	-4,244	77,040	-5,100	77,040	-3,000	77,075	-1,670	77,125	73,724	3,401	3,000	77,017	-3,600	76,942	5,100	5,100	12,568	71,963	-4,979			
270+0.000		-10,413	73,472	-3,542	77,014	-5,100	77,014	-3,000	77,019	-0,220	77,025	74,022	3,004	3,000	76,897	-4,260	76,808	5,100	5,100	11,398	72,609	-4,199			
271+0.000		-9,032	74,367	-2,621	76,988	-5,100	76,988	-3,000	76,962	1,230	76,925	74,713	2,212	3,000	76,778	-4,920	76,674	5,100	5,100	9,452	73,773	-2,901			
272+0.000		-7,416	75,418	-1,544	76,962	-5,100	76,962	-3,000	76,906	2,690	76,825	75,420	1,406	3,000	76,658	-5,590	76,541	5,100	5,100	7,326	75,056	-1,485			
273+0.000		-6,112	76,262	-0,675	76,937	-5,100	76,937	-3,000	76,850	4,140	76,725	75,970	0,755	3,000	76,538	-6,250	76,407	5,100	5,100	5,309	76,268	-0,139			
274+0.000		-5,884	76,658	-0,274	76,932	-5,473	76,932	-3,373	76,814	5,600	76,625	76,475	0,151	3,373	76,392	-6,910	76,247	5,473	5,473	5,849	76,808	0,561			
275+0.000		-6,018	77,013	0,067	76,946	-5,973	76,946	-3,873	76,798	7,050	76,525	76,594	-0,069	3,873	76,232	-7,570	76,073	5,973	5,973	6,500	76,859	0,786			
275+13.074	PC	-6,376	76,762	0,113	76,649	-6,300	76,649	-4,200	76,586	3,000	76,460	76,266	0,194	4,200	76,124	-8,000	75,956	6,300	6,300	6,694	76,544	0,588			
276+0.000																									
276+10.000																									
276+10.395																									
277+0.000																									
277+7.715																									
278+0.000																									
279+0.000																									

INTERSEÇÃO PROJETADA NO TRECHO 4.4



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Lado Esquerdo										Eixo					Lado Direito																			
	Off Set (Pt 01)					Disp Dren (Pt 02)					Bordo (Pt 03)					Cota					Bordo (Pt 04)					Disp Dren (Pt 05)					Off Set (Pt 06)				
	Afast	Cota	Alt	Afast	Cota	Afast	Cota	%	Afast	Cota	Afast	Cota	%	Afast	Cota	Afast	Cota	%	Afast	Cota	Afast	Cota	Afast	Cota	Afast	Cota	Afast	Cota	Afast	Cota	Alt				
280+0.000																																			
281+5.513																																			
282+0.000	-6,702	73,103	-1,068	-5,100	74,171	-3,000	74,200	-1,410	74,243	73,409	0,834	3,000	74,285	1,410	5,100	74,315	5,737	73,890	-0,425																
283+0.000	-7,578	72,368	-1,652	-5,100	74,020	-3,000	74,070	-2,370	74,141	73,324	0,817	3,000	74,212	2,370	5,100	74,262	5,746	73,831	-0,431																
284+0.000	-7,444	72,306	-1,563	-5,100	73,869	-3,000	73,939	-3,330	74,038	73,270	0,769	3,000	74,138	3,330	5,100	74,208	6,100	73,542	-0,666																
285+0.000	-7,299	72,252	-1,466	-5,100	73,718	-3,000	73,808	-4,280	73,936	73,092	0,844	3,000	74,065	4,280	5,100	74,155	6,175	73,438	-0,717																
286+0.000	-6,842	72,405	-1,162	-5,100	73,567	-3,000	73,677	-5,240	73,834	72,952	0,882	3,000	73,991	5,240	5,100	74,101	6,182	73,380	-0,721																
287+0.000	-5,803	72,947	-0,469	-5,100	73,416	-3,000	73,546	-6,200	73,732	72,805	0,927	3,000	73,918	6,200	5,100	74,048	6,497	73,116	-0,932																
288+0.000	-6,009	72,749	-0,505	-5,251	73,254	-3,151	73,404	-7,150	73,629	73,063	0,566	3,151	73,855	7,150	5,251	74,005	6,759	73,000	-1,005																
288+0.957	-5,998	72,754	-0,492	-5,260	73,246	-3,160	73,397	-7,200	73,624	73,070	0,555	3,160	73,719	3,000	5,260	73,782	6,399	73,023	-0,759																
288+10.000	-5,942	72,798	-0,399	-5,344	73,197	-3,244	73,347	-7,140	73,578	73,126	0,452	3,244	73,659	2,500	5,344	73,712	6,097	73,210	-0,502																
289+0.000	-5,847	72,869	-0,274	-5,437	73,143	-3,337	73,291	-7,070	73,527	73,215	0,313	3,337	73,592	1,950	5,437	73,633	5,866	73,347	-0,286																
289+10.000	-5,633	73,002	-0,089	-5,500	73,091	-3,400	73,238	-7,010	73,476	73,427	0,049	3,400	73,523	1,400	5,500	73,553	5,598	73,488	-0,065																
290+0.000	-5,565	73,139	0,096	-5,500	73,043	-3,400	73,189	-6,940	73,425	73,609	-0,184	3,400	73,454	0,840	5,500	73,471	5,581	73,592	0,121																
290+10.000	-5,710	73,295	0,313	-5,500	72,982	-3,400	73,126	-6,870	73,360	73,735	-0,375	3,400	73,370	0,290	5,500	73,376	5,717	73,700	0,324																
290+15.270	-5,793	73,375	0,437	-5,500	72,938	-3,400	73,082	-6,840	73,314	73,806	-0,492	3,400	73,314	0,000	5,500	73,314	5,780	73,732	0,418																

INTERSEÇÃO PROJETADA NO TRECHO 4.4



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)						
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt					
291+0.000		-5,859	73,428	0,535	-5,500	72,893	-3,400	73,036	-6,810	73,267	73,783	-0,516	3,400	73,258	-0,260	5,500	73,253	5,854	73,780	0,527							
291+10.000		-5,958	73,459	0,683	-5,500	72,776	-3,400	72,917	-6,740	73,146	73,702	-0,556	3,400	73,119	-0,810	5,500	73,101	5,969	73,802	0,701							
292+0.000		-6,255	73,758	1,127	-5,500	72,631	-3,400	72,771	-6,670	72,998	73,681	-0,683	3,400	72,951	-1,370	5,500	72,923	6,239	74,026	1,103							
292+10.000		-6,204	73,598	1,136	-5,442	72,462	-3,342	72,601	-6,610	72,821	73,527	-0,706	3,342	72,757	-1,920	5,442	72,717	6,291	73,984	1,267							
293+0.000		-6,302	73,689	1,422	-5,349	72,267	-3,249	72,405	-6,540	72,617	73,329	-0,712	3,249	72,537	-2,470	5,349	72,485	6,221	73,787	1,302							
293+9.584	PT	-6,348	73,691	1,623	-5,260	72,068	-3,160	72,204	-6,480	72,408	72,991	-0,583	3,160	72,503	3,000	5,260	72,566	6,008	73,683	1,117							
294+0.000		-6,313	73,567	1,717	-5,163	71,850	-3,063	71,985	-6,410	72,181	72,601	-0,420	3,063	72,269	2,870	5,163	72,329	5,887	73,410	1,081							
295+0.000		-6,133	72,966	1,541	-5,100	71,425	-3,000	71,557	-6,270	71,745	71,603	0,141	3,000	71,824	2,630	5,100	71,879	5,696	72,769	0,890							
296+0.000		-5,672	71,849	0,854	-5,100	70,995	-3,000	71,124	-6,140	71,309	70,660	0,649	3,000	71,380	2,380	5,100	71,430	5,400	71,230	-0,200							
297+0.000		-6,495	69,636	-0,930	-5,100	70,566	-3,000	70,692	-6,010	70,872	70,062	0,810	3,000	70,937	2,140	5,100	70,981	7,446	69,418	-1,563							
298+0.000		-6,742	69,128	-1,094	-5,100	70,222	-3,000	70,346	-5,870	70,522	68,530	1,992	3,000	70,579	1,890	5,100	70,619	9,705	67,549	-3,070							
299+0.000		-6,715	68,974	-1,076	-5,100	70,050	-3,000	70,171	-5,740	70,343	68,715	1,628	3,000	70,393	1,650	5,100	70,427	10,321	66,947	-3,480							
300+0.000		-6,523	69,101	-0,949	-5,100	70,050	-3,000	70,168	-5,610	70,336	69,024	1,312	3,000	70,378	1,410	5,100	70,407	8,594	68,078	-2,329							
301+0.000		-5,441	70,730	0,509	-5,100	70,221	-3,000	70,336	-5,470	70,500	70,152	0,348	3,000	70,535	1,160	5,100	70,559	6,755	69,456	-1,103							
302+0.000		-5,758	71,459	0,981	-5,100	70,478	-3,000	70,590	-5,340	70,750	71,333	-0,583	3,000	70,778	0,920	5,100	70,797	6,225	70,047	-0,750							
303+0.000		-6,154	72,308	1,573	-5,100	70,735	-3,000	70,844	-5,200	71,000	72,410	-1,410	3,000	71,020	0,670	5,100	71,034	5,983	72,352	1,318							



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
304+0.000		-6,305	72,790	1,799	-5,100	70,991	-3,000	71,098	-5,070	71,250	73,002	-1,752	3,000	71,263	0,430	5,100	71,272	0,430	6,254	72,994	1,722		
305+0.000		-6,177	72,855	1,607	-5,100	71,248	-3,000	71,352	-4,940	71,500	73,882	-2,382	3,000	71,506	0,180	5,100	71,509	0,180	6,329	73,343	1,834		
306+0.000		-6,090	72,983	1,478	-5,100	71,505	-3,000	71,606	-4,800	71,750	73,238	-1,488	3,000	71,748	-0,060	5,100	71,747	-0,060	6,170	73,344	1,597		
307+0.000		-5,939	73,014	1,252	-5,100	71,762	-3,000	71,860	-4,670	72,000	73,336	-1,336	3,000	71,991	-0,300	5,100	71,984	-0,300	6,187	73,607	1,623		
308+0.000		-5,733	72,963	0,944	-5,100	72,019	-3,000	72,114	-4,540	72,250	73,585	-1,335	3,000	72,234	-0,550	5,100	72,222	-0,550	5,802	73,270	1,048		
309+0.000		-5,329	72,617	0,342	-5,100	72,275	-3,000	72,368	-4,400	72,500	72,662	-0,162	3,000	72,476	-0,790	5,100	72,460	-0,790	5,357	72,844	0,384		
310+0.000		-5,271	72,787	0,255	-5,100	72,532	-3,000	72,622	-4,270	72,750	72,877	-0,127	3,000	72,719	-1,040	5,100	72,697	-1,040	5,176	72,646	-0,051		
311+0.000		-5,425	73,274	0,485	-5,100	72,789	-3,000	72,876	-4,140	73,000	72,641	0,359	3,000	72,962	-1,280	5,100	72,935	-1,280	5,279	73,202	0,267		
312+0.000		-6,848	71,880	-1,166	-5,100	73,046	-3,000	73,130	-4,000	73,250	72,034	1,216	3,000	73,204	-1,530	5,100	73,172	-1,530	6,383	72,317	-0,855		
313+0.000		-7,470	71,723	-1,580	-5,100	73,303	-3,000	73,384	-3,870	73,500	72,223	1,277	3,000	73,447	-1,770	5,100	73,410	-1,770	6,456	72,505	-0,905		
314+0.000		-5,985	72,969	-0,590	-5,100	73,559	-3,000	73,638	-3,740	73,750	73,009	0,741	3,000	73,690	-2,020	5,100	73,647	-2,020	5,410	73,441	-0,206		
315+0.000		-5,487	73,558	-0,258	-5,100	73,816	-3,000	73,892	-3,600	74,000	74,267	-0,267	3,000	73,932	-2,260	5,100	73,885	-2,260	5,126	73,924	0,039		
316+0.000		-5,489	74,654	0,581	-5,100	74,073	-3,000	74,146	-3,470	74,250	74,498	-0,248	3,000	74,175	-2,500	5,100	74,122	-2,500	5,277	74,387	0,265		
317+0.000		-5,269	74,536	0,253	-5,100	74,283	-3,000	74,353	-3,340	74,453	74,334	0,119	3,000	74,371	-2,750	5,100	74,313	-2,750	5,324	74,164	-0,149		
318+0.000		-5,188	74,531	0,132	-5,100	74,399	-3,000	74,466	-3,200	74,562	74,496	0,067	3,000	74,473	-2,990	5,100	74,410	-2,990	5,305	74,273	-0,137		
318+15.507	TS	-5,425	74,910	0,485	-5,100	74,425	-3,000	74,490	-3,100	74,583	74,762	-0,179	3,000	74,583	0,000	5,100	74,583	0,000	5,252	74,481	-0,102		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
319+0.000		-5,525	74,953	0,534	-5,167	74,419	-3,067	74,484	-3,070	74,578	74,789	-0,211	3,067	74,606	0,900	5,167	74,624	0,900	5,359	74,497	-0,127		
319+10.000		-5,704	74,968	0,577	-5,317	74,391	-3,217	74,454	-3,000	74,551	74,727	-0,176	3,217	74,644	2,900	5,317	74,705	2,900	5,739	74,424	-0,281		
320+0.000		-5,981	74,997	0,765	-5,468	74,232	-3,368	74,335	-4,900	74,500	74,690	-0,190	3,367	74,665	4,900	5,467	74,768	4,900	5,998	74,414	-0,354		
320+10.000		-6,123	74,793	0,755	-5,617	74,038	-3,517	74,183	-6,900	74,425	74,706	-0,280	3,517	74,668	6,900	5,617	74,813	6,900	5,991	74,564	-0,249		
320+15.507	EC	-6,224	74,701	0,782	-5,700	73,919	-3,600	74,087	-8,000	74,375	74,717	-0,342	3,600	74,663	8,000	5,700	74,831	8,000	5,951	74,663	-0,168		
321+0.000		-6,011	74,336	0,464	-5,700	73,872	-3,600	74,040	-8,000	74,328	74,667	-0,339	3,600	74,616	8,000	5,700	74,784	8,000	6,173	74,469	-0,315		
321+10.000		-5,884	74,025	0,274	-5,700	73,751	-3,600	73,919	-8,000	74,207	74,292	-0,086	3,600	74,495	8,000	5,700	74,663	8,000	6,928	73,844	-0,819		
322+0.000		-5,717	73,631	0,025	-5,700	73,606	-3,600	73,774	-8,000	74,062	74,036	0,025	3,600	74,350	8,000	5,700	74,518	8,000	7,086	73,594	-0,924		
322+9,936		-6,032	73,229	-0,222	-5,700	73,451	-3,600	73,619	-8,000	73,907	73,797	0,110	3,600	74,195	8,000	5,700	74,363	8,000	7,019	73,483	-0,880		
322+10.000		-6,034	73,227	-0,223	-5,700	73,450	-3,600	73,618	-8,000	73,906	73,795	0,110	3,600	74,194	8,000	5,700	74,362	8,000	7,019	73,483	-0,879		
323+0.000		-5,896	73,163	-0,130	-5,700	73,293	-3,600	73,461	-8,000	73,749	73,496	0,253	3,600	74,037	8,000	5,700	74,205	8,000	7,099	73,273	-0,932		
323+10.000		-6,036	73,639	0,502	-5,700	73,137	-3,600	73,305	-8,000	73,593	72,849	0,744	3,600	73,881	8,000	5,700	74,049	8,000	7,657	72,744	-1,305		
324+0.000		-6,056	73,513	0,532	-5,700	72,981	-3,600	73,149	-8,000	73,437	72,489	0,947	3,600	73,725	8,000	5,700	73,893	8,000	8,095	72,296	-1,597		
324+4,365	CE	-6,033	73,410	0,498	-5,700	72,912	-3,600	73,080	-8,000	73,368	72,335	1,033	3,600	73,656	8,000	5,700	73,824	8,000	8,258	72,119	-1,705		
324+10.000		-5,889	73,280	0,409	-5,615	72,871	-3,515	73,024	-7,290	73,280	72,126	1,154	3,515	73,536	7,290	5,615	73,689	7,290	8,238	71,941	-1,748		
325+0.000		-5,637	73,051	0,256	-5,466	72,795	-3,366	72,921	-6,020	73,124	71,763	1,361	3,365	73,326	6,020	5,465	73,453	6,020	8,081	71,709	-1,744		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
325+10.000		-5,331	72,739	0,024	-5,315	72,715	-3,215	72,815	-4,750	72,968	71,485	1,483	3,215	73,120	4,750	5,315	73,220	7,705	71,627	-1,593			
326+0.000		-5,281	72,555	-0,076	-5,166	72,631	-3,066	72,704	-3,480	72,811	71,215	1,597	3,065	72,918	3,480	5,165	72,991	7,328	71,550	-1,441			
326+4.365	ET	-5,236	72,503	-0,090	-5,100	72,593	-3,000	72,655	-2,930	72,743	71,123	1,620	3,000	72,831	2,930	5,100	72,892	7,332	71,404	-1,488			
326+10.627	TS	-5,276	72,419	-0,117	-5,100	72,536	-3,000	72,581	-2,140	72,645	70,991	1,654	3,000	72,709	2,140	5,100	72,754	7,460	71,181	-1,573			
327+0.000		-5,708	72,091	-0,358	-5,170	72,449	-3,070	72,469	-0,950	72,499	70,796	1,703	3,070	72,528	0,950	5,170	72,548	7,766	70,817	-1,731			
327+10.000		-6,590	71,462	-0,897	-5,245	72,359	-3,145	72,352	0,320	72,342	70,587	1,755	3,146	72,332	-0,320	5,246	72,326	8,392	70,228	-2,098			
328+0.000		-7,302	70,948	-1,322	-5,319	72,270	-3,219	72,237	1,580	72,186	70,360	1,826	3,221	72,135	-1,580	5,321	72,102	9,346	69,418	-2,684			
328+10.000		-7,571	70,742	-1,451	-5,394	72,193	-3,294	72,133	2,850	72,039	70,248	1,791	3,296	71,945	-2,850	5,396	71,885	10,345	68,586	-3,299			
329+0.000		-7,699	70,651	-1,487	-5,470	72,138	-3,370	72,051	4,120	71,913	69,930	1,982	3,371	71,774	-4,120	5,471	71,687	11,441	67,707	-3,980			
329+10.000		-7,886	70,543	-1,561	-5,545	72,104	-3,445	71,991	5,390	71,805	69,960	1,845	3,446	71,620	-5,390	5,546	71,507	11,717	67,393	-4,114			
330+0.000		-8,112	70,429	-1,663	-5,618	72,092	-3,518	71,952	6,650	71,718	69,809	1,909	3,522	71,484	-6,650	5,622	71,344	12,532	66,738	-4,606			
330+10.000		-8,124	70,480	-1,621	-5,693	72,101	-3,593	71,935	7,920	71,650	69,862	1,789	3,598	71,365	-7,920	5,698	71,199	11,685	67,208	-3,991			
330+10.627	EC	-8,132	70,481	-1,622	-5,700	72,103	-3,600	71,935	8,000	71,647	69,850	1,797	3,600	71,359	-8,000	5,700	71,191	11,643	67,229	-3,962			
331+0.000		-7,739	70,699	-1,359	-5,700	72,058	-3,600	71,890	8,000	71,602	69,688	1,915	3,600	71,314	-8,000	5,700	71,146	11,598	67,214	-3,932			
331+10.000		-7,854	70,594	-1,436	-5,700	72,030	-3,600	71,862	8,000	71,574	69,793	1,781	3,600	71,286	-8,000	5,700	71,118	10,535	67,895	-3,223			
332+0.000		-8,193	70,360	-1,662	-5,700	72,022	-3,600	71,854	8,000	71,566	69,794	1,771	3,600	71,278	-8,000	5,700	71,110	10,237	68,085	-3,025			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)						
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt					
332+7.501		-7,958	70,523	-1,505	72,028	-5,700	72,028	-3,600	71,860	8,000	71,572	70,178	1,394	3,600	71,284	-8,000	5,700	71,116	9,583	68,527	-2,589						
332+10.000		-7,893	70,571	-1,462	72,033	-5,700	72,033	-3,600	71,865	8,000	71,577	70,280	1,297	3,600	71,289	-8,000	5,700	71,121	9,241	68,760	-2,361						
333+0.000		-6,920	71,250	-0,814	72,064	-5,700	72,064	-3,600	71,896	8,000	71,608	70,586	1,022	3,600	71,320	-8,000	5,700	71,152	7,980	69,632	-1,520						
333+10.000		-6,649	71,472	-0,632	72,104	-5,700	72,104	-3,600	71,936	8,000	71,648	70,888	0,760	3,600	71,360	-8,000	5,700	71,192	7,517	69,981	-1,211						
334+0.000		-6,381	71,691	-0,454	72,145	-5,700	72,145	-3,600	71,977	8,000	71,689	71,134	0,555	3,600	71,401	-8,000	5,700	71,233	6,696	70,569	-0,664						
334+4.375	CE	-6,287	71,772	-0,391	72,163	-5,700	72,163	-3,600	71,995	8,000	71,707	71,241	0,466	3,600	71,419	-8,000	5,700	71,251	6,551	70,683	-0,568						
334+10.000		-6,090	71,861	-0,289	72,150	-5,655	72,150	-3,555	71,994	7,440	71,730	71,360	0,369	3,560	71,465	-7,440	5,660	71,309	6,410	70,809	-0,500						
335+0.000		-6,947	71,219	-0,911	72,130	-5,581	72,130	-3,481	71,995	6,440	71,771	71,473	0,297	3,484	71,546	-6,440	5,584	71,411	5,822	71,253	-0,158						
335+10.000		-6,873	71,201	-0,910	72,111	-5,508	72,111	-3,408	71,997	5,440	71,811	71,326	0,485	3,408	71,626	-5,440	5,508	71,512	5,707	71,379	-0,133						
336+0.000		-7,022	71,033	-1,060	72,093	-5,432	72,093	-3,332	72,000	4,440	71,852	71,174	0,678	3,334	71,704	-4,440	5,434	71,611			-71,611						
336+10.000		-6,673	71,199	-0,878	72,077	-5,357	72,077	-3,257	72,005	3,440	71,893	71,270	0,623	3,259	71,781	-3,440	5,359	71,708	5,394	71,685	-0,023						
337+0.000		-6,307	71,379	-0,683	72,062	-5,282	72,062	-3,182	72,011	2,440	71,933	71,370	0,563	3,183	71,838	-3,000	5,283	71,775	5,310	71,757	-0,018						
337+10.000		-5,867	71,610	-0,439	72,049	-5,208	72,049	-3,108	72,019	1,440	71,974	71,454	0,520	3,108	71,881	-3,000	5,208	71,818	5,276	71,773	-0,045						
338+0.000		-5,442	71,831	-0,206	72,037	-5,133	72,037	-3,033	72,028	0,440	72,015	71,548	0,466	3,033	71,924	-3,000	5,133	71,861	5,413	71,674	-0,187						
338+4.375	ET	-5,334	71,876	-0,157	72,033	-5,100	72,033	-3,000	72,033	0,000	72,033	71,606	0,427	3,000	71,943	-3,000	5,100	71,880	5,303	71,744	-0,136						
339+0.000		-5,170	72,121	0,105	72,016	-5,100	72,016	-3,000	72,049	-1,560	72,096	71,810	0,287	3,000	72,006	-3,000	5,100	71,943	5,203	72,097	0,154						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
340+0.000		-5,492	72,610	0,585	-5,100	72,025	-3,000	72,088	-3,000	72,178	72,143	0,035	3,000	72,088	-3,000	5,100	72,025	-3,000	5,366	72,422	0,397				
341+0.000		-5,236	72,309	0,203	-5,100	72,106	-3,000	72,169	-3,000	72,259	72,062	0,196	3,000	72,169	-3,000	5,100	72,106	-3,000	5,320	72,435	0,329				
342+0.000		-5,125	72,171	-0,016	-5,100	72,187	-3,000	72,250	-3,000	72,340	71,739	0,601	3,000	72,250	-3,000	5,100	72,187	-3,000			-72,187				
343+0.000		-5,909	71,729	-0,540	-5,100	72,269	-3,000	72,332	-3,000	72,422	71,525	0,897	3,000	72,332	-3,000	5,100	72,269	-3,000	5,303	72,134	-0,135				
344+0.000		-6,587	71,359	-0,991	-5,100	72,350	-3,000	72,413	-3,000	72,503	71,466	1,037	3,000	72,467	-1,200	5,100	72,442	-1,200	6,288	71,650	-0,792				
344+9.739	TS	-6,146	71,693	-0,697	-5,100	72,390	-3,000	72,453	-3,000	72,543	71,564	0,979	3,000	72,543	0,000	5,100	72,543	0,000	6,592	71,548	-0,995				
344+10.000		-6,136	71,701	-0,690	-5,102	72,391	-3,002	72,454	-3,000	72,544	71,566	0,978	3,002	72,545	0,030	5,102	72,546	0,030	6,602	71,545	-1,001				
345+0.000		-5,804	72,006	-0,424	-5,169	72,430	-3,069	72,493	-3,000	72,585	71,694	0,891	3,068	72,623	1,270	5,168	72,650	1,270	6,327	71,878	-0,772				
345+10.000		-6,084	71,902	-0,566	-5,235	72,468	-3,135	72,531	-3,000	72,625	71,648	0,977	3,135	72,704	2,500	5,235	72,756	2,500	6,405	71,976	-0,780				
346+0.000		-6,346	71,772	-0,696	-5,302	72,468	-3,202	72,547	-3,730	72,666	71,558	1,108	3,201	72,786	3,730	5,301	72,864	3,730	6,814	71,856	-1,008				
346+10.000		-6,014	72,010	-0,430	-5,369	72,440	-3,269	72,544	-4,970	72,707	71,684	1,023	3,268	72,869	4,970	5,368	72,973	4,970	7,161	71,778	-1,195				
347+0.000		-5,699	72,235	-0,176	-5,435	72,411	-3,335	72,541	-6,200	72,747	71,797	0,951	3,335	72,954	6,200	5,435	73,084	6,200	7,483	71,719	-1,365				
347+9.739	EC	-6,393	71,785	-0,595	-5,500	72,380	-3,400	72,536	-7,400	72,787	71,957	0,830	3,400	73,039	7,400	5,500	73,194	7,400	7,910	71,588	-1,606				
347+10.000		-6,393	71,786	-0,595	-5,500	72,381	-3,400	72,537	-7,400	72,788	71,961	0,827	3,400	73,040	7,400	5,500	73,195	7,400	7,915	71,585	-1,610				
348+0.000		-6,425	71,805	-0,617	-5,500	72,422	-3,400	72,577	-7,400	72,829	71,677	1,152	3,400	73,080	7,400	5,500	73,236	7,400	8,116	71,492	-1,744				
348+10.000		-6,581	71,742	-0,721	-5,500	72,463	-3,400	72,618	-7,400	72,870	71,641	1,228	3,400	73,121	7,400	5,500	73,277	7,400	7,153	72,175	-1,102				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
349+0.000		-6,315	71,960	-0,543	72,503	-7,400	72,659	-7,400	72,910	71,572	1,338	3,400	73,162	7,400	5,500	73,317	8,753	71,149	-2,168						
349+2.034		-6,748	71,680	-0,832	72,512	-7,400	72,667	-7,400	72,919	71,565	1,354	3,400	73,170	7,400	5,500	73,326	8,805	71,122	-2,204						
349+10.000		-6,673	71,762	-0,782	72,544	-7,400	72,699	-7,400	72,951	71,549	1,402	3,400	73,203	7,400	5,500	73,358	8,957	71,054	-2,304						
350+0.000		-6,993	71,590	-0,995	72,585	-7,400	72,740	-7,400	72,992	71,636	1,356	3,400	73,243	7,400	5,500	73,399	8,992	71,071	-2,328						
350+10.000		-7,126	71,541	-1,084	72,625	-7,400	72,781	-7,400	73,032	72,046	0,986	3,400	73,284	7,400	5,500	73,439	8,746	71,275	-2,164						
350+14.329	CE	-7,175	71,526	-1,117	72,643	-7,400	72,798	-7,400	73,050	72,240	0,810	3,400	73,302	7,400	5,500	73,457	8,425	71,507	-1,950						
351+0.000		-7,303	71,480	-1,227	72,707	-6,700	72,848	-6,700	73,073	72,317	0,756	3,361	73,298	6,700	5,461	73,439	8,458	71,441	-1,998						
351+10.000		-7,663	71,307	-1,512	72,819	-5,470	72,934	-5,470	73,114	71,840	1,274	3,295	73,294	5,470	5,395	73,409	8,761	71,165	-2,244						
352+0.000		-7,400	71,549	-1,380	72,929	-4,230	73,018	-4,230	73,155	69,910	3,244	3,228	73,291	4,230	5,328	73,380	9,868	70,354	-3,026						
352+10.000		-9,922	69,931	-3,106	73,037	-3,000	73,100	-3,000	73,195	69,320	3,876	3,162	73,290	3,000	5,262	73,353	11,901	68,927	-4,426						
353+0.000		-12,095	68,480	-4,600	73,080	-3,000	73,143	-3,000	73,236	68,851	4,385	3,095	73,291	1,770	5,195	73,328	12,191	68,664	-4,664						
353+10.000		-13,088	67,815	-5,306	73,121	-3,000	73,184	-3,000	73,275	68,893	4,382	3,029	73,291	0,530	5,129	73,303	11,736	68,898	-4,405						
353+14.329	ET	-13,051	67,838	-5,301	73,139	-3,000	73,202	-3,000	73,292	68,732	4,559	3,000	73,292	0,000	5,100	73,292	11,734	68,869	-4,423						
354+0.000		-12,742	68,064	-5,095	73,159	-3,000	73,222	-3,000	73,312	68,774	4,538	3,000	73,291	-0,700	5,100	73,276	11,125	69,260	-4,016						
355+0.000		-10,616	69,547	-3,677	73,224	-3,000	73,287	-3,000	73,377	70,083	3,295	3,000	73,287	-3,000	5,100	73,224	8,012	71,283	-1,941						
356+0.000		-9,063	70,648	-2,642	73,290	-3,000	73,349	-2,780	73,432	70,520	2,912	3,000	73,342	-3,000	5,100	73,279	8,243	71,184	-2,095						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
357+0.000		-10,425	69,920	-3,550	73,470	-3,000	73,473	-0,120	73,476	70,299	3,178	3,000	73,386	-3,000	5,100	73,323	8,770	70,877	-2,446				
357+0.885	TS	-10,412	69,937	-3,541	73,478	-3,000	73,478	0,000	73,478	70,296	3,182	3,000	73,388	-3,000	5,100	73,325	8,777	70,874	-2,451				
357+10.000		-10,365	70,108	-3,450	73,558	-3,091	73,532	1,220	73,494	70,282	3,212	3,091	73,402	-3,000	5,191	73,339	8,826	70,915	-2,424				
358+0.000		-10,726	70,021	-3,624	73,645	-3,191	73,591	2,550	73,510	70,279	3,230	3,191	73,414	-3,000	5,291	73,351	8,816	71,001	-2,350				
358+10.000		-10,903	70,057	-3,675	73,732	-3,291	73,650	3,880	73,523	70,458	3,064	3,292	73,395	-3,880	5,392	73,313	9,005	70,904	-2,409				
359+0.000		-10,787	70,288	-3,531	73,819	-3,390	73,709	5,220	73,533	70,651	2,882	3,392	73,356	-5,220	5,492	73,246	9,429	70,622	-2,624				
359+10.000		-11,647	69,869	-4,037	73,906	-3,491	73,769	6,550	73,540	70,357	3,183	3,491	73,311	-6,550	5,591	73,174	11,022	69,553	-3,621				
360+0.000		-12,334	69,564	-4,429	73,993	-3,590	73,828	7,880	73,545	69,997	3,547	3,592	73,262	-7,880	5,692	73,096	11,923	68,942	-4,154				
360+0.885	EC	-12,303	69,599	-4,402	74,001	-3,600	73,833	8,000	73,545	69,967	3,578	3,600	73,257	-8,000	5,700	73,089	12,048	68,857	-4,232				
360+10.000		-11,619	70,057	-3,946	74,003	-3,600	73,835	8,000	73,547	69,849	3,698	3,600	73,259	-8,000	5,700	73,091	11,564	69,182	-3,909				
361+0.000		-11,509	70,130	-3,872	74,002	-3,600	73,834	8,000	73,546	70,050	3,497	3,600	73,258	-8,000	5,700	73,090	10,204	70,088	-3,002				
361+10.000		-10,955	70,496	-3,503	73,999	-3,600	73,831	8,000	73,543	70,440	3,103	3,600	73,255	-8,000	5,700	73,087	9,178	70,769	-2,318				
362+0.000		-10,305	70,923	-3,070	73,993	-3,600	73,825	8,000	73,537	70,848	2,689	3,600	73,249	-8,000	5,700	73,081	8,231	71,394	-1,687				
362+0.570		-10,283	70,938	-3,055	73,993	-3,600	73,825	8,000	73,537	70,875	2,661	3,600	73,249	-8,000	5,700	73,081	8,213	71,405	-1,676				
362+10.000		-9,901	71,184	-2,801	73,985	-3,600	73,817	8,000	73,529	71,367	2,162	3,600	73,241	-8,000	5,700	73,073	7,967	71,561	-1,512				
363+0.000		-9,472	71,459	-2,514	73,973	-3,600	73,805	8,000	73,517	71,597	1,920	3,600	73,229	-8,000	5,700	73,061	8,602	71,126	-1,935				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
363+10.000		-9,010	71,753	-2,207	73,960	71,864	-3,600	73,792	8,000	73,504	71,864	1,639	3,600	73,216	-8,000	5,700	73,048	8,212	71,373	-1,675			
364+0.000		-8,739	71,917	-2,026	73,943	72,074	-3,600	73,775	8,000	73,487	72,074	1,413	3,600	73,199	-8,000	5,700	73,031	7,922	71,550	-1,481			
364+0.255	CE	-8,738	71,917	-2,026	73,943	72,073	-3,600	73,775	8,000	73,487	72,073	1,413	3,600	73,199	-8,000	5,700	73,031	7,922	71,549	-1,482			
364+10.000		-8,583	71,856	-1,987	73,843	72,071	-3,502	73,702	6,700	73,468	72,071	1,397	3,503	73,233	-6,700	5,603	73,092	7,975	71,511	-1,581			
365+0.000		-8,635	71,653	-2,088	73,741	72,027	-3,402	73,628	5,370	73,446	72,027	1,419	3,403	73,263	-5,370	5,503	73,150	8,089	71,427	-1,723			
365+10.000		-8,712	71,432	-2,207	73,639	71,702	-3,302	73,555	4,030	73,421	71,702	1,719	3,303	73,288	-4,030	5,403	73,203	8,261	71,298	-1,905			
366+0.000		-8,572	71,358	-2,179	73,537	71,481	-3,202	73,481	2,700	73,394	71,481	1,913	3,203	73,298	-3,000	5,303	73,235	8,566	71,060	-2,175			
366+10.000		-8,089	71,511	-1,924	73,435	71,623	-3,102	73,407	1,370	73,364	71,623	1,741	3,103	73,271	-3,000	5,203	73,208	7,868	71,431	-1,777			
367+0.000		-7,660	71,629	-1,704	73,333	71,782	-3,003	73,333	0,030	73,332	71,782	1,550	3,003	73,242	-3,000	5,103	73,179	7,210	71,774	-1,405			
367+0.255	ET	-7,653	71,629	-1,702	73,331	71,785	-3,000	73,331	0,000	73,331	71,785	1,545	3,000	73,241	-3,000	5,100	73,178	7,203	71,776	-1,402			
368+0.000		-7,144	71,762	-1,362	73,124	72,044	-3,000	73,180	-2,630	73,259	72,044	1,215	3,000	73,169	-3,000	5,100	73,106	6,998	71,840	-1,266			
369+0.000		-6,237	72,264	-0,758	73,022	72,142	-3,000	73,085	-3,000	73,175	72,142	1,033	3,000	73,147	-0,920	5,100	73,128	6,704	72,058	-1,070			
369+4.726	TS	-6,159	72,295	-0,706	73,001	72,085	-3,000	73,064	-3,000	73,154	72,085	1,068	3,000	73,154	0,000	5,100	73,154	6,531	72,200	-0,954			
369+10.000		-6,242	72,257	-0,717	72,974	72,066	-3,066	73,037	-3,000	73,129	72,066	1,063	3,066	73,161	1,030	5,166	73,182	6,604	72,223	-0,959			
370+0.000		-6,500	72,116	-0,806	72,922	71,881	-3,191	72,985	-3,000	73,081	71,881	1,200	3,191	73,176	2,980	5,291	73,238	7,179	71,979	-1,259			
370+10.000		-5,979	72,389	-0,375	72,764	71,922	-3,316	72,867	-4,930	73,031	71,922	1,109	3,316	73,194	4,930	5,416	73,298	7,053	72,206	-1,092			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
371+0.000		-6,191	72,166	-0,434	72,600	-5,541	72,600	-3,441	72,744	-6,880	72,981	71,984	0,996	3,441	73,218	6,880	5,541	73,362	7,733	71,900	-1,462		
371+4.726	EC	-6,130	72,167	-0,354	72,521	-5,600	72,521	-3,500	72,684	-7,800	72,957	71,918	1,039	3,500	73,230	7,800	5,600	73,394	8,194	71,665	-1,729		
371+10.000		-6,066	72,184	-0,310	72,494	-5,600	72,494	-3,500	72,658	-7,800	72,931	71,849	1,082	3,500	73,204	7,800	5,600	73,368	8,509	71,429	-1,939		
372+0.000		-6,001	72,177	-0,267	72,444	-5,600	72,444	-3,500	72,608	-7,800	72,881	71,741	1,140	3,500	73,154	7,800	5,600	73,318	8,814	71,176	-2,142		
372+6.505		-6,131	72,058	-0,354	72,412	-5,600	72,412	-3,500	72,576	-7,800	72,849	71,734	1,115	3,500	73,122	7,800	5,600	73,286	8,933	71,064	-2,222		
372+10.000		-6,176	72,011	-0,384	72,395	-5,600	72,395	-3,500	72,558	-7,800	72,831	71,662	1,170	3,500	73,104	7,800	5,600	73,268	8,687	71,210	-2,058		
373+0.000		-6,277	71,893	-0,452	72,345	-5,600	72,345	-3,500	72,508	-7,800	72,781	71,449	1,332	3,500	73,054	7,800	5,600	73,218	8,375	71,368	-1,850		
373+8.284	CE	-6,339	71,811	-0,492	72,303	-5,600	72,303	-3,500	72,467	-7,800	72,740	71,546	1,194	3,500	73,013	7,800	5,600	73,177	9,297	70,712	-2,465		
373+10.000		-6,358	71,796	-0,519	72,315	-5,579	72,315	-3,479	72,472	-7,470	72,732	71,563	1,169	3,478	72,991	7,470	5,578	73,148	9,285	70,677	-2,471		
374+0.000		-6,451	71,717	-0,664	72,381	-5,454	72,381	-3,354	72,497	-5,520	72,682	71,572	1,110	3,353	72,867	5,520	5,453	72,983	9,134	70,529	-2,454		
374+10.000		-6,388	71,736	-0,706	72,442	-5,328	72,442	-3,228	72,517	-3,570	72,632	71,459	1,173	3,228	72,747	3,570	5,328	72,822	8,721	70,560	-2,262		
375+0.000		-6,232	71,740	-0,686	72,426	-5,204	72,426	-3,104	72,49	-3,00	72,582	71,671	0,911	3,10	72,63	1,620	5,203	72,666	8,11	70,726	-1,940		
375+8.284	ET	-6,190	71,661	-0,727	72,388	-5,100	72,388	-3,000	72,45	-3,00	72,541	71,559	0,982	3,00	72,54	0,000	5,100	72,541	7,51	70,937	-1,604		
376+0.000		-6,209	71,590	-0,739	72,329	-5,100	72,329	-3,000	72,39	-3,00	72,482	71,420	1,062	3,00	72,41	-2,280	5,100	72,366	6,79	71,240	-1,126		
377+0.000		-5,499	71,964	-0,266	72,230	-5,100	72,230	-3,000	72,29	-3,00	72,383	71,481	0,902	3,00	72,29	-3,000	5,100	72,230	5,77	71,787	-0,443		
378+0.000		-5,655	71,760	-0,370	72,130	-5,100	72,130	-3,000	72,19	-3,00	72,283	71,687	0,596	3,00	72,19	-3,000	5,100	72,130	5,11	72,145	0,015		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
379+0.000		-5,291	71,999	-0,128	-5,100	72,127	-3,000	72,15	-1,11	72,183	71,756	0,428	3,00	72,09	-3,000	5,100	72,030	5,37	72,432	0,402			
379+6.647	TS	-5,407	71,945	-0,205	-5,100	72,150	-3,000	72,15	0,00	72,150	71,737	0,413	3,00	72,06	-3,000	5,100	71,997	5,35	72,375	0,378			
379+10.000		-5,505	71,915	-0,247	-5,134	72,162	-3,034	72,15	0,56	72,134	71,727	0,406	3,03	72,04	-3,000	5,134	71,979	5,38	72,349	0,370			
380+0.000		-5,893	71,760	-0,440	-5,233	72,200	-3,133	72,15	2,23	72,084	71,799	0,284	3,13	71,99	-3,000	5,234	71,927	5,45	72,247	0,320			
380+10.000		-6,185	71,674	-0,567	-5,333	72,241	-3,233	72,16	3,89	72,034	71,719	0,315	3,23	71,91	-3,890	5,333	71,826	5,70	72,368	0,542			
380+16.647	EC	-6,338	71,645	-0,626	-5,400	72,271	-3,300	72,17	5,00	72,001	71,724	0,276	3,30	71,84	-5,000	5,400	71,731	5,89	72,464	0,733			
381+0.000		-6,347	71,623	-0,631	-5,400	72,254	-3,300	72,15	5,00	71,984	71,664	0,320	3,30	71,82	-5,000	5,400	71,714	5,87	72,420	0,706			
381+10.000		-6,463	71,495	-0,709	-5,400	72,204	-3,300	72,10	5,00	71,934	71,506	0,428	3,30	71,77	-5,000	5,400	71,664	5,74	72,170	0,506			
381+11.141		-6,470	71,485	-0,713	-5,400	72,198	-3,300	72,09	5,00	71,928	71,514	0,415	3,30	71,76	-5,000	5,400	71,658	5,72	72,140	0,482			
382+0.000		-6,448	71,455	-0,699	-5,400	72,154	-3,300	72,05	5,00	71,884	71,540	0,344	3,30	71,72	-5,000	5,400	71,614	5,65	71,990	0,376			
382+5.634	CE	-6,667	71,282	-0,844	-5,400	72,126	-3,300	72,02	5,00	71,856	71,513	0,344	3,30	71,69	-5,000	5,400	71,586	5,93	72,382	0,796			
382+10.000		-6,721	71,153	-0,910	-5,356	72,063	-3,256	71,97	4,27	71,834	71,494	0,341	3,26	71,70	-4,270	5,356	71,606	5,77	72,217	0,611			
383+0.000		-6,579	71,040	-0,882	-5,256	71,922	-3,156	71,87	2,61	71,785	71,384	0,400	3,16	71,69	-3,000	5,256	71,627	5,34	71,758	0,131			
383+10.000		-6,550	70,854	-0,929	-5,156	71,783	-3,056	71,76	0,94	71,735	71,092	0,643	3,06	71,64	-3,000	5,156	71,580	5,45	71,387	-0,193			
383+15.634	ET	-6,505	70,770	-0,937	-5,100	71,707	-3,000	71,71	0,00	71,707	70,945	0,761	3,00	71,62	-3,000	5,100	71,554	5,59	71,227	-0,327			
384+0.000		-6,737	70,557	-1,091	-5,100	71,648	-3,000	71,66	-0,73	71,685	70,946	0,739	3,00	71,60	-3,000	5,100	71,532	5,66	71,161	-0,371			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
385+0.000		-7,081	70,111	-1,321	-5,100	71,432	-3,000	71,50	-3,00	71,585	70,895	0,690	3,00	71,50	-3,000	5,100	71,432	6,18	70,712	-0,720					
386+0.000		-5,434	71,110	-0,223	-5,100	71,333	-3,000	71,40	-3,00	71,486	71,137	0,349	3,00	71,40	-3,000	5,100	71,333	5,36	71,161	-0,172					
387+0.000		-5,233	71,424	0,199	-5,100	71,225	-3,000	71,29	-3,00	71,378	71,408	-0,030	3,00	71,29	-3,000	5,100	71,225	5,46	71,769	0,544					
388+0.000		-5,393	71,501	0,437	-5,100	71,064	-3,000	71,13	-3,00	71,217	71,248	-0,031	3,00	71,13	-3,000	5,100	71,064	5,61	71,831	0,767					
389+0.000		-5,464	71,383	0,543	-5,100	70,840	-3,000	70,90	-3,00	70,993	70,937	0,056	3,00	70,90	-3,000	5,100	70,840	5,52	71,460	0,620					
390+0.000		-5,533	70,267	-0,289	-5,100	70,556	-3,000	70,62	-3,00	70,709	70,097	0,612	3,00	70,66	-1,530	5,100	70,630	5,30	70,933	0,303					
390+11.351	TS	-5,852	69,865	-0,501	-5,100	70,366	-3,000	70,43	-3,00	70,519	69,166	1,353	3,00	70,52	0,000	5,100	70,519	5,13	70,569	0,050					
391+0.000		-7,164	68,860	-1,348	-5,143	70,208	-3,043	70,27	-3,00	70,362	68,567	1,795	3,04	70,40	1,170	5,143	70,422	5,88	69,934	-0,488					
391+10.000		-7,329	68,586	-1,424	-5,193	70,010	-3,093	70,07	-3,00	70,165	68,068	2,097	3,09	70,24	2,520	5,193	70,296	6,49	69,433	-0,863					
392+0.000		-7,930	67,960	-1,791	-5,243	69,751	-3,143	69,83	-3,87	69,953	67,704	2,249	3,14	70,08	3,870	5,243	70,156	7,19	68,859	-1,297					
392+10.000		-8,368	67,400	-2,050	-5,293	69,450	-3,193	69,56	-5,22	69,726	67,305	2,422	3,19	69,89	5,220	5,293	70,002	7,86	68,290	-1,712					
392+11.351	EC	-8,426	67,324	-2,084	-5,300	69,408	-3,200	69,52	-5,40	69,694	67,244	2,450	3,20	69,87	5,400	5,300	69,980	7,82	68,301	-1,679					
393+0.000		-9,066	66,686	-2,511	-5,300	69,197	-3,200	69,31	-5,40	69,483	66,986	2,497	3,20	69,66	5,400	5,300	69,769	7,55	68,271	-1,498					
393+10.000		-9,472	66,158	-2,781	-5,300	68,939	-3,200	69,05	-5,40	69,225	66,714	2,511	3,20	69,40	5,400	5,300	69,511	7,80	67,842	-1,669					
393+11.568		-9,533	66,075	-2,822	-5,300	68,897	-3,200	69,01	-5,40	69,183	66,686	2,497	3,20	69,36	5,400	5,300	69,469	7,85	67,768	-1,701					
394+0.000		-9,390	65,946	-2,727	-5,300	68,673	-3,200	68,79	-5,40	68,959	66,414	2,545	3,20	69,13	5,400	5,300	69,245	8,13	67,360	-1,885					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
394+10.000		-9,406	65,670	-2,737	-5,300	68,407	-3,200	68,52	-5,40	68,693	66,298	2,395	3,20	68,87	5,400	5,300	68,979	8,27	67,000	-1,979					
394+11.786	CE	-9,493	65,564	-2,795	-5,300	68,359	-3,200	68,47	-5,40	68,646	66,268	2,378	3,20	68,82	5,400	5,300	68,932	8,27	66,954	-1,978					
395+0.000		-9,515	65,341	-2,838	-5,259	68,179	-3,159	68,28	-4,72	68,427	66,176	2,251	3,16	68,58	4,720	5,259	68,675	8,18	66,729	-1,946					
395+10.000		-8,555	65,728	-2,231	-5,209	67,959	-3,109	68,04	-3,89	68,161	66,183	1,978	3,11	68,28	3,890	5,209	68,364	8,12	66,423	-1,941					
396+0.000		-7,921	65,896	-1,842	-5,159	67,738	-3,059	67,80	-3,06	67,895	66,004	1,892	3,06	67,99	3,060	5,159	68,053	7,92	66,215	-1,838					
396+10.000		-7,670	65,808	-1,708	-5,109	67,516	-3,009	67,56	-2,22	67,629	66,056	1,573	3,01	67,70	2,220	5,109	67,743	7,24	66,323	-1,420					
396+11.786	ET	-7,624	65,793	-1,683	-5,100	67,476	-3,000	67,52	-2,08	67,582	66,066	1,516	3,00	67,64	2,080	5,100	67,688	7,08	66,369	-1,319					
397+0.000		-7,466	65,715	-1,577	-5,100	67,292	-3,000	67,32	-1,39	67,363	66,162	1,201	3,00	67,41	1,390	5,100	67,434	6,38	66,583	-0,851					
398+0.000		-5,615	66,502	-0,343	-5,100	66,845	-3,000	66,84	0,27	66,831	66,702	0,129	3,00	66,82	-0,270	5,100	66,818	5,15	66,785	-0,033					
398+13.059	TS	-5,470	66,306	-0,247	-5,100	66,553	-3,000	66,53	1,35	66,484	66,721	-0,237	3,00	66,44	-1,350	5,100	66,415	5,36	66,810	0,395					
399+0.000		-6,212	65,692	-0,707	-5,152	66,399	-3,052	66,36	1,93	66,299	66,700	-0,400	3,05	66,24	-1,930	5,152	66,200	5,54	66,782	0,582					
399+10.000		-7,276	64,811	-1,367	-5,227	66,178	-3,127	66,12	2,76	66,033	66,422	-0,388	3,13	65,95	-2,760	5,228	65,889	5,60	66,443	0,554					
400+0.000		-7,804	64,290	-1,668	-5,302	65,958	-3,202	65,88	3,59	65,767	65,478	0,289	3,20	65,65	-3,590	5,303	65,577	5,38	65,693	0,116					
400+10.000		-8,352	63,756	-1,983	-5,377	65,739	-3,277	65,65	4,42	65,501	65,075	0,426	3,28	65,36	-4,420	5,377	65,264	5,44	65,349	0,085					
401+0.000		-8,035	63,799	-1,723	-5,451	65,522	-3,351	65,41	5,25	65,236	64,649	0,587	3,35	65,06	-5,250	5,453	64,949	5,50	64,918	-0,031					
401+10.000		-8,350	63,423	-1,883	-5,525	65,306	-3,425	65,18	6,08	64,970	64,167	0,803	3,43	64,76	-6,080	5,529	64,633	5,87	64,407	-0,226					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
402+0.000		-9,090	62,765	-2,326	-5,601	65,091	-3,501	64,95	6,91	64,704	63,684	1,020	3,50	64,46	-6,910	5,603	64,316	6,56	63,677	-0,639			
402+10.000		-10,372	61,747	-3,130	-5,676	64,877	-3,576	64,72	7,75	64,438	63,030	1,408	3,58	64,16	-7,750	5,678	63,998	7,38	62,865	-1,133			
402+13.059	EC	-10,586	61,555	-3,257	-5,700	64,812	-3,600	64,64	8,00	64,356	62,830	1,527	3,60	64,07	-8,000	5,700	63,900	7,70	62,567	-1,333			
403+0.000		-11,171	60,980	-3,648	-5,700	64,628	-3,600	64,46	8,00	64,172	62,269	1,903	3,60	63,88	-8,000	5,700	63,716	8,49	61,855	-1,861			
403+10.000		-11,080	60,775	-3,587	-5,700	64,362	-3,600	64,19	8,00	63,906	61,041	2,865	3,60	63,62	-8,000	5,700	63,450	10,06	60,540	-2,910			
404+0.000		-10,848	60,664	-3,432	-5,700	64,096	-3,600	63,93	8,00	63,640	59,988	3,652	3,60	63,35	-8,000	5,700	63,184	11,77	59,140	-4,044			
404+10.000		-10,531	60,584	-3,220	-5,700	63,804	-3,600	63,64	8,00	63,348	59,712	3,636	3,60	63,06	-8,000	5,700	62,892	12,52	58,342	-4,550			
404+12.471		-10,442	60,563	-3,161	-5,700	63,724	-3,600	63,56	8,00	63,268	59,618	3,650	3,60	62,98	-8,000	5,700	62,812	12,67	58,163	-4,649			
405+0.000		-10,133	60,506	-2,955	-5,700	63,461	-3,600	63,29	8,00	63,005	59,400	3,605	3,60	62,72	-8,000	5,700	62,549	13,04	57,656	-4,893			
405+10.000		-9,651	60,433	-2,634	-5,700	63,067	-3,600	62,90	8,00	62,611	59,416	3,195	3,60	62,32	-8,000	5,700	62,155	12,43	57,666	-4,489			
406+0.000		-9,063	60,379	-2,242	-5,700	62,621	-3,600	62,45	8,00	62,165	59,391	2,775	3,60	61,88	-8,000	5,700	61,709	11,89	57,581	-4,128			
406+10.000		-8,174	60,476	-1,649	-5,700	62,125	-3,600	61,96	8,00	61,669	59,655	2,014	3,60	61,38	-8,000	5,700	61,213	10,32	58,136	-3,077			
406+11.883	CE	-8,015	60,482	-1,543	-5,700	62,025	-3,600	61,86	8,00	61,569	59,696	1,874	3,60	61,28	-8,000	5,700	61,113	9,83	58,357	-2,756			
407+0.000		-7,183	60,496	-1,030	-5,638	61,526	-3,538	61,38	7,19	61,120	59,921	1,199	3,54	60,87	-7,190	5,638	60,715	7,858	59,236	-1,479			
407+10.000		-5,596	60,842	-0,023	-5,562	60,865	-3,462	60,74	6,19	60,521	60,423	0,098	3,47	60,31	-6,190	5,566	60,177	6,009	59,881	-0,296			
408+0.000		-6,422	61,550	1,395	-5,487	60,155	-3,387	60,05	5,19	59,870	60,949	-1,079	3,39	59,69	-5,190	8,021	59,454	8,728	60,51	1,056			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
408+10.000		-7,246	62,131	2,736	-5,413	59,395	-3,313	59,31	4,19	59,168	61,707	-2,539	3,32	59,03	-4,190	7,945	58,835	9,466	61,106	2,271					
409+0.000		-8,009	62,570	3,985	-5,339	58,585	-3,239	58,52	3,19	58,415	62,378	-3,963	3,24	58,31	-3,190	7,873	58,164	10,202	61,639	3,475					
409+10.000		-8,617	62,731	5,006	-5,264	57,725	-3,164	57,68	2,19	57,610	62,775	-5,165	3,17	57,52	-3,000	7,795	57,376	10,842	61,923	4,547					
410+0.000		-9,196	62,797	5,981	-5,189	56,816	-3,089	56,79	1,19	56,754	63,009	-6,255	3,09	56,66	-3,000	7,723	56,523	11,435	62,063	5,540					
410+10.000		-9,673	62,661	6,804	-5,114	55,857	-3,014	55,85	0,19	55,847	62,163	-6,317	3,01	55,76	-3,000	7,644	55,618	11,49	61,357	5,739					
410+11.883	ET	-9,744	62,601	6,931	-5,100	55,670	-3,000	55,67	0,00	55,670	61,931	-6,261	3,00	55,58	-3,000	7,636	55,441	11,516	61,233	5,792					
411+0.000		-10,067	62,260	7,413	-5,100	54,847	-3,000	54,86	-0,81	54,888	61,005	-6,117	3,00	54,80	-3,000	7,63	54,659	11,61	60,6	5,941					
412+0.000		-10,059	60,075	7,401	-5,100	52,674	-3,000	52,73	-2,81	52,817	58,580	-5,763	3,00	52,73	-3,000	7,63	52,588	11,233	57,966	5,378					
413+0.000		-9,433	56,855	6,467	-5,100	50,388	-3,000	50,45	-3,00	50,541	55,553	-5,012	3,00	50,45	-3,000	7,63	50,312	10,854	55,125	4,813					
414+0.000		-8,827	53,571	5,562	-5,100	48,009	-3,000	48,07	-3,00	48,162	52,584	-4,422	3,00	48,07	-3,000	7,63	47,933	10,403	52,072	4,139					
415+0.000		-8,490	50,690	5,060	-5,100	45,630	-3,000	45,69	-3,00	45,783	49,961	-4,178	3,00	45,69	-3,000	7,63	45,554	9,926	48,981	3,427					
416+0.000		-7,956	47,514	4,263	-5,100	43,251	-3,000	43,31	-3,00	43,404	46,690	-3,286	3,00	43,31	-3,000	7,63	43,175	9,981	46,684	3,509					
416+18.588	TS	-7,294	44,315	3,275	-5,100	41,040	-3,000	41,10	-3,00	41,193	44,130	-2,937	3,00	41,19	0,000	7,639	41,193	9,558	44,057	2,864					
417+0.000		-7,361	44,182	3,311	-5,142	40,871	-3,042	40,93	-3,00	41,025	43,971	-2,946	3,04	41,04	0,380	7,673	41,054	9,621	43,961	2,907					
417+10.000		-7,480	42,712	3,042	-5,442	39,670	-3,342	39,73	-3,04	39,836	42,846	-3,010	3,34	39,94	3,040	7,971	40,078	9,751	42,734	2,656					
418+0.000		-8,078	41,803	3,485	-5,743	38,318	-3,643	38,44	-5,71	38,646	41,704	-3,058	3,64	38,85	5,710	8,272	39,119	9,927	41,589	2,470					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
418+8.588	EC	-8,407	40,737	3,592	-6,000	37,145	-3,900	37,31	-8,00	37,625	40,670	-3,046	3,90	37,94	8,000	8,513	38,306	10,079	10,079	40,643	2,337				
418+10.000		-8,373	40,519	3,542	-6,000	36,977	-3,900	37,15	-8,00	37,457	40,497	-3,040	3,90	37,77	8,000	8,517	38,138	10,081	10,081	40,472	2,334				
418+19.897		-8,323	39,266	3,466	-6,000	35,800	-3,900	35,97	-8,00	36,280	39,904	-3,625	3,90	36,59	8,000	8,528	36,962	10,232	10,232	39,506	2,544				
419+0.000		-8,321	39,251	3,464	-6,000	35,787	-3,900	35,96	-8,00	36,267	39,893	-3,626	3,90	36,58	8,000	8,534	36,95	10,239	10,239	39,495	2,545				
419+10.000		-8,082	37,705	3,107	-6,000	34,598	-3,900	34,77	-8,00	35,078	38,518	-3,440	3,90	35,39	8,000	8,53	35,76	10,294	10,294	38,393	2,633				
419+11.206	CE	-8,046	37,509	3,055	-6,000	34,454	-3,900	34,62	-8,00	34,934	38,263	-3,329	3,90	35,25	8,000	8,517	35,616	10,262	10,262	38,22	2,604				
420+0.000		-7,445	36,109	2,550	-5,737	33,559	-3,637	33,68	-5,74	33,888	36,642	-2,753	3,64	34,10	5,740	8,261	34,363	9,975	9,975	36,921	2,558				
420+10.000		-6,642	34,325	1,799	-5,436	32,526	-3,336	32,59	-3,18	32,699	34,909	-2,210	3,34	32,81	3,180	7,967	32,952	9,699	9,699	35,537	2,585				
421+0.000		-5,825	32,506	1,028	-5,136	31,478	-3,036	31,49	-0,61	31,509	33,329	-1,819	3,04	31,53	0,610	7,667	31,557	9,444	9,444	34,208	2,651				
421+1.206	ET	-5,760	32,336	0,986	-5,100	31,350	-3,000	31,36	-0,30	31,366	33,192	-1,826	3,00	31,38	0,300	7,63	31,389	9,442	9,442	34,093	2,704				
421+3.578	TS	-5,697	31,991	0,892	-5,100	31,099	-3,000	31,09	0,30	31,084	32,979	-1,896	3,00	31,08	-0,300	7,63	31,061	9,929	9,929	34,493	3,432				
421+10.000		-5,865	31,373	0,951	-5,228	30,422	-3,128	30,38	1,95	30,320	32,744	-2,424	3,13	30,26	-1,950	7,76	30,169	10,628	10,628	34,45	4,281				
422+0.000		-6,714	31,295	1,919	-5,428	29,376	-3,328	29,28	4,52	29,131	31,782	-2,651	3,33	28,98	-4,520	7,96	28,771	11,571	11,571	34,162	5,391				
422+10.000		-7,030	30,431	2,091	-5,628	28,340	-3,528	28,19	7,08	27,941	30,479	-2,538	3,53	27,69	-7,080	8,16	27,363	12,302	12,302	33,545	6,182				
422+13.578	EC	-7,206	30,220	2,249	-5,700	27,971	-3,600	27,80	8,00	27,515	30,016	-2,501	3,60	27,23	-8,000	8,235	26,857	12,6	12,6	33,372	6,515				
423+0.000		-7,016	29,173	1,965	-5,700	27,208	-3,600	27,04	8,00	26,752	29,718	-2,967	3,60	26,46	-8,000	8,231	26,093	12,647	12,647	32,685	6,592				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
423+7.183		-6,771	27,952	1,599	-5,700	26,353	-3,600	26,19	8,00	25,897	29,660	-3,763	3,60	25,61	-8,000	8,23	25,239	12,55	31,687	6,448					
423+10.000		-6,705	27,518	1,500	-5,700	26,018	-3,600	25,85	8,00	25,562	29,149	-3,586	3,60	25,27	-8,000	8,23	24,904	12,392	31,115	6,211					
424+0.000		-6,458	25,960	1,131	-5,700	24,829	-3,600	24,66	8,00	24,373	27,431	-3,058	3,60	24,09	-8,000	8,241	23,713	12,243	29,687	5,974					
424+0.788	CE	-6,436	25,834	1,099	-5,700	24,735	-3,600	24,57	8,00	24,279	27,365	-3,086	3,60	23,99	-8,000	8,226	23,621	12,215	29,575	5,954					
424+10.000		-6,094	24,383	0,863	-5,516	23,520	-3,416	23,39	6,10	23,183	25,813	-2,630	3,42	22,98	-6,100	8,051	22,692	11,615	28,012	5,320					
425+0.000		-5,683	22,757	0,548	-5,316	22,209	-3,216	22,12	4,04	21,994	24,046	-2,052	3,22	21,86	-4,040	7,848	21,677	10,658	25,871	4,194					
425+10.000		-5,297	21,177	0,271	-5,116	20,906	-3,016	20,86	1,98	20,804	22,133	-1,329	3,02	20,75	-1,980	7,647	20,653	9,409	23,284	2,631					
425+10.788	ET	-5,269	21,055	0,252	-5,100	20,803	-3,000	20,77	1,82	20,711	21,982	-1,271	3,00	20,66	-1,820	7,63	20,572	9,32	23,094	2,522					
426+0.000		-5,159	19,602	-0,039	-5,100	19,641	-3,000	19,64	-0,08	19,645	20,075	-0,430	3,00	19,65	0,080	7,63	19,651	8,889	21,53	1,879					
426+8.414	TS	-5,850	18,124	-0,500	-5,100	18,624	-3,000	18,66	-1,82	18,717	18,111	0,605	3,00	18,77	1,820	5,888	18,824	6,151	19,217	0,393					
426+10.000		-6,054	17,832	-0,604	-5,148	18,436	-3,048	18,48	-2,14	18,547	17,835	0,712	3,05	18,61	2,140	5,148	18,657	5,157	18,65	-0,007					
427+0.000		-7,352	16,010	-1,269	-5,448	17,279	-3,348	17,37	-4,20	17,508	16,019	1,490	3,35	17,65	4,200	5,447	17,738	6,77	16,856	-0,882					
427+10.000		-7,610	14,930	-1,241	-5,748	16,171	-3,648	16,30	-6,27	16,531	14,489	2,042	3,65	16,76	6,270	5,748	16,891	8,51	15,047	-1,844					
427+18.414	EC	-7,354	14,373	-0,903	-6,000	15,276	-3,900	15,44	-8,00	15,756	13,323	2,433	3,90	16,07	8,000	6,000	16,236	10,14	13,478	-2,758					
428+0.000		-7,279	14,282	-0,852	-6,000	15,134	-3,900	15,30	-8,00	15,614	13,223	2,391	3,90	15,93	8,000	6,000	16,094	10,25	13,261	-2,833					
428+10.000		-6,437	13,987	-0,291	-6,000	14,278	-3,900	14,45	-8,00	14,758	12,450	2,308	3,90	15,07	8,000	6,000	15,238	11,45	11,603	-3,635					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
428+11.546		-6,162	14,043	-0,108	-6,000	14,151	-3,900	14,32	-8,00	14,631	12,551	2,080	3,90	14,94	8,000	6,000	15,111	11,64	11,348	-3,763			
429+0.000		-6,712	13,008	-0,474	-6,000	13,482	-3,900	13,65	-8,00	13,962	12,470	1,492	3,90	14,27	8,000	6,000	14,442	11,80	10,573	-3,869			
429+4.679	CE	-8,061	11,756	-1,375	-6,000	13,131	-3,900	13,30	-8,00	13,611	11,058	2,553	3,90	13,92	8,000	6,000	14,091	11,85	10,189	-3,902			
429+10.000		-9,988	10,071	-2,765	-5,840	12,836	-3,740	12,98	-6,69	13,227	9,627	3,600	3,74	13,48	6,690	5,840	13,618	11,29	9,984	-3,634			
430+0.000		-11,212	8,537	-3,781	-5,541	12,318	-3,441	12,41	-4,23	12,552	9,380	3,173	3,44	12,70	4,230	5,540	12,787	9,99	9,818	-2,969			
430+10.000		-10,246	8,509	-3,337	-5,240	11,846	-3,140	11,88	-1,77	11,938	8,544	3,395	3,14	11,99	1,770	5,240	12,031	8,62	9,776	-2,255			
430+14.679	ET	-9,789	8,514	-3,127	-5,100	11,641	-3,000	11,65	-0,61	11,672	8,538	3,134	3,00	11,69	0,610	5,100	11,703	8,38	9,514	-2,189			
430+19.667	TS	-8,864	8,924	-2,510	-5,100	11,434	-3,000	11,42	0,61	11,402	8,820	2,583	3,00	11,38	-0,610	5,100	11,371	8,04	9,414	-1,957			
431+0.000		-8,790	8,967	-2,454	-5,110	11,421	-3,010	11,41	0,70	11,385	8,890	2,495	3,01	11,36	-0,700	5,110	11,349	8,02	9,407	-1,942			
431+10.000		-8,195	9,206	-1,857	-5,410	11,063	-3,310	11,00	3,16	10,892	9,249	1,643	3,31	10,79	-3,160	5,410	10,721	7,64	9,235	-1,486			
432+0.000		-6,361	10,347	-0,434	-5,710	10,781	-3,610	10,66	5,62	10,460	9,088	1,372	3,61	10,26	-5,620	5,710	10,139	7,61	8,872	-1,267			
432+9.667	EC	-6,282	10,392	-0,188	-6,000	10,580	-3,900	10,41	8,00	10,100	9,125	0,975	3,90	9,79	-8,000	6,000	9,620	7,04	8,924	-0,696			
432+10.000		-6,238	10,409	-0,159	-6,000	10,568	-3,900	10,40	8,00	10,088	9,128	0,960	3,90	9,78	-8,000	6,000	9,608	7,01	8,937	-0,671			
433+0.000		-6,160	10,496	0,239	-6,000	10,257	-3,900	10,09	8,00	9,777	9,181	0,596	3,90	9,47	-8,000	6,000	9,297	6,80	8,763	-0,534			
433+9.791		-6,379	10,576	0,565	-6,000	10,011	-3,900	9,84	8,00	9,531	9,124	0,407	3,90	9,22	-8,000	6,000	9,051	6,15	8,953	-0,098			
433+10.000		-6,381	10,576	0,570	-6,000	10,006	-3,900	9,84	8,00	9,526	9,127	0,400	3,90	9,21	-8,000	6,000	9,046	6,14	8,954	-0,092			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
434+0.000		-6,325	10,301	0,484	-6,000	9,817	-3,900	9,65	8,00	9,337	9,171	0,166	3,90	9,03	-8,000	6,000	8,857	6,11	9,024	0,167			
434+9.916	CE	-6,134	9,888	0,200	-6,000	9,688	-3,900	9,52	8,00	9,208	9,005	0,203	3,90	8,90	-8,000	6,000	8,728	6,32	9,206	0,478			
434+10.000		-6,134	9,889	0,203	-5,997	9,686	-3,897	9,52	7,98	9,207	9,003	0,204	3,90	8,90	-7,980	5,998	8,729	6,32	9,206	0,477			
435+0.000		-6,109	10,025	0,614	-5,697	9,411	-3,597	9,30	5,31	9,108	8,781	0,327	3,60	8,92	-5,310	5,697	8,805	5,77	8,911	0,106			
435+10.000		-6,014	10,073	0,921	-5,397	9,152	-3,297	9,10	2,64	9,009	8,634	0,375	3,30	8,91	-3,000	5,398	8,847	5,43	8,890	0,043			
435+19.916	ET	-5,679	9,775	0,864	-5,100	8,911	-3,000	8,91	0,00	8,911	8,487	0,424	3,00	8,82	-3,000	5,100	8,758	5,11	8,772	0,014			
436+0.000		-5,677	9,773	0,864	-5,097	8,909	-2,997	8,91	-0,02	8,910	8,486	0,424	3,00	8,82	-3,000	5,097	8,757	5,11	8,770	0,013			
437+0.000		-5,749	9,527	0,968	-5,100	8,559	-3,000	8,62	-3,00	8,712	8,254	0,458	3,00	8,62	-3,000	5,100	8,559	5,55	8,260	-0,299			
437+17.523	TS	-5,502	8,985	0,600	-5,100	8,385	-3,000	8,45	-3,00	8,538	8,000	0,538	3,00	8,54	0,000	5,100	8,538	6,46	7,631	-0,907			
438+0.000		-5,584	9,045	0,685	-5,125	8,360	-3,025	8,42	-3,00	8,513	7,962	0,551	3,03	8,53	0,450	5,125	8,536	6,05	7,922	-0,614			
438+10.000		-5,943	9,330	1,073	-5,225	8,257	-3,125	8,32	-3,00	8,414	7,794	0,620	3,13	8,48	2,250	5,225	8,532	6,32	7,800	-0,732			
439+0.000		-6,330	9,600	1,500	-5,325	8,100	-3,225	8,19	-4,05	8,315	7,643	0,673	3,23	8,45	4,050	5,325	8,531	7,02	7,403	-1,128			
439+10.000		-6,175	9,018	1,119	-5,425	7,899	-3,325	8,02	-5,85	8,216	7,544	0,672	3,32	8,41	5,850	5,424	8,533	7,78	6,962	-1,571			
439+17.523	EC	-5,901	8,343	0,598	-5,500	7,745	-3,400	7,90	-7,20	8,141	7,472	0,669	3,40	8,39	7,200	5,500	8,537	8,22	6,726	-1,811			
440+0.000		-6,413	9,084	1,363	-5,500	7,721	-3,400	7,87	-7,20	8,117	7,518	0,599	3,40	8,36	7,200	5,500	8,513	8,21	6,709	-1,804			
440+10.000		-5,837	8,124	0,502	-5,500	7,622	-3,400	7,77	-7,20	8,018	7,240	0,778	3,40	8,26	7,200	5,500	8,414	8,30	6,547	-1,867			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
440+17.107		-5,544	7,522	-0,029	-5,500	7,551	-3,400	7,70	-7,20	7,947	7,220	0,728	3,40	8,19	7,200	5,500	8,343	8,36	6,436	-1,907			
441+0.000		-5,536	7,499	-0,024	-5,500	7,523	-3,400	7,67	-7,20	7,919	7,532	0,386	3,40	8,16	7,200	5,500	8,315	8,36	6,411	-1,904			
441+10.000		-5,617	7,345	-0,079	-5,500	7,424	-3,400	7,58	-7,20	7,820	7,350	0,470	3,40	8,06	7,200	5,500	8,216	8,26	6,376	-1,840			
441+16.690	CE	-5,566	7,313	-0,044	-5,500	7,357	-3,400	7,51	-7,20	7,753	7,275	0,479	3,40	8,00	7,200	5,500	8,149	8,06	6,441	-1,708			
442+0.000		-5,534	7,315	-0,044	-5,467	7,359	-3,367	7,50	-6,60	7,720	7,005	0,716	3,37	7,94	6,600	5,467	8,081	8,07	6,345	-1,736			
442+10.000		-5,391	7,400	0,037	-5,367	7,363	-3,267	7,46	-4,80	7,621	6,933	0,688	3,27	7,78	4,800	5,367	7,879	7,24	6,633	-1,246			
443+0.000		-5,564	7,807	0,443	-5,267	7,364	-3,167	7,43	-3,00	7,522	7,140	0,382	3,17	7,62	3,000	5,267	7,680	6,54	6,831	-0,849			
443+10.000		-5,579	7,883	0,615	-5,167	7,268	-3,067	7,33	-3,00	7,423	7,134	0,289	3,07	7,46	1,200	5,167	7,485	6,38	6,674	-0,811			
443+16.690	ET	-5,502	7,804	0,600	-5,100	7,204	-3,000	7,27	-3,00	7,357	7,156	0,201	3,00	7,36	0,000	5,100	7,357	6,29	6,567	-0,790			
444+0.000		-5,670	8,022	0,851	-5,100	7,171	-3,000	7,23	-3,00	7,324	7,114	0,210	3,00	7,31	-0,600	5,100	7,294	5,96	6,719	-0,575			
445+0.000		-5,741	7,907	0,956	-5,100	6,951	-3,000	7,02	-3,43	7,126	6,744	0,382	3,00	7,07	-1,770	5,100	7,036	6,57	6,056	-0,980			
446+0.000		-6,845	9,066	2,386	-5,246	6,680	-3,000	6,79	-4,72	6,928	6,776	0,152	3,00	6,99	1,950	5,100	7,027	6,42	6,147	-0,880			
447+0.000		-9,733	10,785	4,461	-6,744	6,324	-3,096	6,54	-6,01	6,729	6,552	0,177	3,10	6,90	5,660	6,340	7,088	8,53	5,628	-1,460			
447+2.922	PC	-9,875	10,597	4,329	-6,974	6,268	-3,120	6,51	-6,20	6,700	6,486	0,214	3,12	6,79	3,000	6,664	6,900	8,66	5,573	-1,327			
447+10.000		-10,080	10,084	3,901	-7,465	6,183	-3,177	6,44	-6,00	6,630	6,335	0,295	3,18	6,71	2,620	7,459	6,825	9,54	5,438	-1,387			
448+0.000		-9,807	9,167	3,066	-7,753	6,101	-3,259	6,36	-5,71	6,544	6,160	0,383	3,26	6,61	2,080	7,557	6,701	9,32	5,528	-1,173			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito							
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)				
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
448+10.000		-9,449	8,816	2,746	-7,609	6,070	6,070	6,30	-5,42	6,482	6,074	0,408	3,30	6,53	1,540	7,585	6,599	9,20	5,522	-1,077					
449+0.000		-8,198	8,374	2,270	-6,678	6,104	6,104	6,28	-5,13	6,446	6,005	0,442	3,30	6,48	1,000	6,851	6,515	8,83	5,193	-1,322					
449+10.000		-6,862	7,883	1,724	-5,707	6,159	6,159	6,28	-4,85	6,435	5,980	0,455	3,30	6,45	0,460	6,136	6,464	7,55	5,521	-0,943					
449+18.525		-6,561	7,931	1,733	-5,400	6,198	6,198	6,29	-4,60	6,446	6,033	0,413	3,30	6,45	0,000	5,508	6,446	6,92	5,503	-0,943					
450+0.000		-6,572	7,927	1,724	-5,418	6,203	6,203	6,30	-4,56	6,450	6,032	0,418	3,30	6,45	-0,080	5,404	6,445	6,83	5,495	-0,950					
450+10.000		-6,590	7,975	1,718	-5,439	6,257	6,257	6,35	-4,27	6,489	6,014	0,476	3,30	6,47	-0,620	4,691	6,460	5,79	5,726	-0,734					
451+0.000		-6,290	7,737	1,396	-5,355	6,341	6,341	6,42	-3,98	6,554	6,071	0,483	3,30	6,52	-1,160	3,936	6,508	5,00	5,800	-0,708					
451+10.000		-5,036	7,014	0,543	-4,672	6,471	6,471	6,52	-3,69	6,644	6,179	0,465	3,30	6,59	-1,700	3,539	6,584	4,22	6,133	-0,451					
452+0.000										6,746	6,441	0,306													
452+10.000										6,849	6,519	0,330													
452+14.129	PT									6,891	6,741	0,150													
452+16.706	PC									6,918	6,800	0,118													
453+0.000										6,952	6,834	0,117													
453+10.000										7,054	7,016	0,038													
454+0.000										7,157	7,170	-0,014													
454+0.484										7,162	7,180	-0,019													

PERIMETRO URBANO DE MINEIRINHO

PERIMETRO URBANO DE MINEIRINHO



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo						Eixo			Lado Direito							
		Off Set (Pt 01)		Disp Dren (Pt 02)		Bordo (Pt 03)		Cota			Bordo (Pt 04)		Disp Dren (Pt 05)		Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	Alt
454+10.000									7,259	7,205	0,054							
455+0.000									7,336	7,370	-0,034							
455+4.263	PT								7,353	7,429	-0,075							
456+0.000									7,335	7,454	-0,118							
457+0.000									7,129	7,227	-0,098							
457+15.623	PC								6,833	6,897	-0,064							
458+0.000									6,743	6,778	-0,035							
458+10.000									6,537	6,575	-0,038							
459+0.000									6,331	6,367	-0,036							
459+5.645									6,218	6,160	0,057							
459+10.000									6,133	6,017	0,116							
460+0.000									5,952	5,854	0,099							
460+10.000									5,787	5,692	0,095							
460+15.666	PT								5,701	5,647	0,054							
460+18.935	PC								5,654	5,605	0,048							
461+0.000									5,638	5,588	0,050							

PERIMETRO URBANO DE MINEIRINHO

PERIMETRO URBANO DE MINEIRINHO



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	Afast	Cota	Alt
461+10.000		-6,379	3,915	-1,433	-4,229	5,348	-3,370	5,31	5,05	5,05	5,05	5,135	4,065	1,070	3,38	4,96	-5,050	3,387	4,964	4,56	4,181	-0,783	
462+0.000		-8,421	3,242	-2,344	-4,905	5,586	-3,398	5,48	6,92	6,92	6,92	5,246	3,905	1,341	3,40	5,01	-6,920	3,927	4,974	5,35	4,027	-0,947	
462+10.000		-8,653	3,354	-2,328	-5,160	5,682	-3,400	5,55	7,40	7,40	7,40	5,300	3,887	1,413	3,40	5,05	-7,400	4,329	4,980	5,93	3,912	-1,068	
466+10.000		-9,186	3,326	-2,432	-5,538	5,758	-3,372	5,62	6,51	6,51	6,51	5,398	3,854	1,544	3,37	5,18	-6,510	4,903	5,079	6,95	3,713	-1,366	
467+0.000		-10,214	3,136	-2,736	-6,111	5,872	-3,281	5,74	4,63	4,63	4,63	5,589	3,656	1,933	3,28	5,44	-4,630	5,784	5,321	8,40	3,575	-1,746	
467+8.937	PT	-10,758	3,236	-2,754	-6,627	5,990	-3,200	5,89	2,96	2,96	2,96	5,793	3,201	2,592	3,20	5,70	-3,000	6,592	5,596	9,44	3,697	-1,899	

PERIMETRO URBANO DE MINEIRINHO

PERIMETRO URBANO DE MINEIRINHO



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
468+0.000		-10,791	3,369	-2,794	-6,600	6,163	-3,099	6,13	1,10	6,091	3,248	2,843	3,10	6,00	-3,000	6,600	5,893	9,71	3,823	-2,070			
469+0.000		-10,373	3,296	-3,252	-5,495	6,548	-3,000	6,61	-2,26	6,673	3,635	3,038	3,00	6,58	-3,000	5,866	6,497	9,16	4,300	-2,197			
470+0.000		-6,289	5,276	-1,874	-3,478	7,150	-3,000	7,17	-3,00	7,255	5,286	1,969	3,00	7,17	-3,000	4,590	7,117	7,88	4,922	-2,195			
471+0.000		-7,378	6,164	-1,519	-5,100	7,683	-3,000	7,75	-3,00	7,836	6,359	1,477	3,00	7,75	-3,000	3,314	7,737	4,95	6,647	-1,090			
471+19.033	TS	-7,896	6,510	-1,864	-5,100	8,374	-3,000	8,37	0,00	8,374	7,162	1,212	3,00	8,28	-3,000	5,100	8,221	6,13	9,762	1,541			
472+0.000		-7,916	6,544	-1,867	-5,116	8,411	-3,016	8,41	0,25	8,398	7,279	1,119	3,02	8,31	-3,000	5,116	8,245	6,08	9,685	1,440			
472+10.000		-8,227	6,817	-1,963	-5,283	8,780	-3,183	8,72	2,85	8,630	8,007	0,622	3,18	8,53	-3,000	5,283	8,471	5,67	9,051	0,580			
473+0.000		-8,936	6,794	-2,324	-5,449	9,118	-3,349	9,00	5,45	8,821	8,232	0,589	3,35	8,64	-5,450	5,449	8,524	6,01	9,364	0,840			
473+9.033	EC	-10,822	5,916	-3,481	-5,600	9,397	-3,500	9,23	7,80	8,960	8,365	0,595	3,50	8,69	-7,800	5,600	8,523	6,44	9,778	1,255			
473+10.000		-10,958	5,838	-3,572	-5,600	9,410	-3,500	9,25	7,80	8,973	8,384	0,589	3,50	8,70	-7,800	5,600	8,536	6,44	9,787	1,251			
474+0.000		-11,441	5,628	-3,894	-5,600	9,522	-3,500	9,36	7,80	9,085	8,525	0,560	3,50	8,81	-7,800	5,600	8,649	6,22	9,577	0,928			
474+3.881		-10,200	6,488	-3,067	-5,600	9,555	-3,500	9,39	7,80	9,118	8,523	0,595	3,50	8,85	-7,800	5,600	8,681	6,12	9,450	0,769			
474+10.000		-10,477	6,343	-3,252	-5,600	9,595	-3,500	9,43	7,80	9,158	8,531	0,626	3,50	8,89	-7,800	5,600	8,721	5,83	9,059	0,338			
474+18.728	CE	-11,036	6,017	-3,624	-5,600	9,641	-3,500	9,48	7,80	9,204	8,570	0,634	3,50	8,93	-7,800	5,600	8,767	5,93	9,265	0,498			
475+0.000		-10,719	6,201	-3,426	-5,579	9,627	-3,479	9,47	7,47	9,211	8,578	0,633	3,48	8,95	-7,470	5,579	8,794	5,88	9,247	0,453			
475+10.000		-7,960	7,828	-1,699	-5,412	9,527	-3,312	9,42	4,87	9,263	8,637	0,626	3,31	9,10	-4,870	5,412	9,000	5,43	8,989	-0,011			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
476+0.000		-8,409	7,326	-2,109	-5,245	9,435	9,39	2,27	9,316	8,617	0,698	3,15	9,22	-3,000	9,158	5,49	8,995	-0,163					
476+8.728	ET	-7,252	7,927	-1,435	-5,100	9,362	9,36	0,00	9,362	8,555	0,806	3,00	9,27	-3,000	9,209	5,16	9,299	0,090					
477+0.000		-7,000	8,005	-1,267	-5,100	9,272	9,33	-2,93	9,421	8,493	0,928	3,00	9,33	-3,000	9,268	5,38	9,679	0,411					
478+0.000		-7,860	7,533	-1,840	-5,100	9,373	9,44	-3,00	9,526	8,452	1,075	3,00	9,44	-3,000	9,373	8,42	7,162	-2,211					
479+0.000		-7,153	8,110	-1,369	-5,100	9,479	9,54	-3,00	9,632	8,552	1,079	3,00	9,54	-3,000	9,479	8,02	7,530	-1,949					
479+19.924	TS	-6,339	8,758	-0,825	-5,100	9,583	9,65	-3,00	9,736	8,983	0,754	3,00	9,74	0,000	9,736	7,14	8,377	-1,359					
480+0.000		-6,336	8,760	-0,824	-5,100	9,584	9,65	-3,00	9,737	8,986	0,751	3,00	9,74	0,020	9,738	7,14	8,380	-1,358					
480+10.000		-6,032	9,157	-0,532	-5,234	9,689	9,75	-3,00	9,846	9,257	0,589	3,13	9,91	2,020	5,234	6,89	8,848	-1,104					
481+0.000		-5,531	9,745	-0,109	-5,368	9,854	9,94	-4,02	10,070	9,588	0,482	3,27	10,20	4,020	5,368	6,38	9,607	-0,678					
481+9.924	EC	-5,834	10,573	0,499	-5,500	10,074	10,20	-6,00	10,404	10,146	0,257	3,40	10,61	6,000	5,500	5,68	10,616	-0,118					
481+10.000		-5,843	10,589	0,512	-5,500	10,077	10,20	-6,00	10,407	10,151	0,256	3,40	10,61	6,000	5,500	5,68	10,615	-0,122					
482+0.000		-7,346	13,283	2,755	-5,500	10,528	10,65	-6,00	10,858	10,702	0,156	3,40	11,06	6,000	5,500	5,59	11,317	0,129					
482+9.032		-7,902	14,618	3,585	-5,500	11,033	11,16	-6,00	11,363	11,239	0,124	3,40	11,57	6,000	5,500	5,63	11,603	-0,090					
482+10.000		-7,927	14,715	3,623	-5,500	11,092	11,22	-6,00	11,422	11,301	0,121	3,40	11,63	6,000	5,500	5,67	11,642	-0,110					
483+0.000		-7,532	14,803	3,032	-5,500	11,771	11,90	-6,00	12,101	11,926	0,174	3,40	12,31	6,000	5,500	6,00	12,099	-0,332					
483+8.140	CE	-6,861	14,438	2,031	-5,500	12,407	12,53	-6,00	12,737	12,470	0,267	3,40	12,94	6,000	5,500	5,93	12,783	-0,284					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
483+10.000		-6,663	14,358	1,773	-5,475	12,585	-3,375	12,70	-5,63	12,893	12,600	0,293	3,38	13,08	5,630	5,475	13,201	5,95	12,888	-0,313					
484+0.000		-5,419	13,554	-0,051	-5,342	13,605	-3,242	13,68	-3,63	13,799	13,380	0,419	3,24	13,92	3,630	5,342	13,993	6,74	13,064	-0,929					
484+10.000		-5,336	14,578	-0,085	-5,209	14,663	-3,109	14,73	-3,00	14,819	14,161	0,658	3,11	14,87	1,630	5,208	14,904	7,42	13,432	-1,472					
484+18.140	ET	-5,313	15,438	-0,142	-5,100	15,580	-3,000	15,64	-3,00	15,733	14,818	0,915	3,00	15,73	0,000	5,100	15,733	8,10	13,733	-2,000					
485+0.000		-5,262	15,692	-0,107	-5,100	15,799	-3,000	15,86	-3,00	15,952	15,058	0,895	3,00	15,94	-0,370	5,100	15,933	8,22	13,854	-2,079					
486+0.000		-8,45	18,948	0,851	-7,88	18,097	-3,000	18,24	-3,00	18,333	17,761	0,572	3,00	18,24	-3,000	5,100	18,180	7,73	16,430	-1,750					
487+0.000		-8,616	21,576	1,098	-7,88	20,478	-3,000	20,62	-3,00	20,714	21,149	-0,435	3,00	20,62	-3,000	5,100	20,561	5,40	20,360	-0,201					
488+0.000		-10,165	26,27	3,411	-7,88	22,859	-3,000	23,01	-3,00	23,095	24,613	-1,518	3,00	23,01	-3,000	7,176	22,88	7,955	24,044	1,164					
489+0.000		-11,173	30,154	4,914	-7,88	25,24	-3,000	25,39	-3,00	25,476	27,994	-2,518	3,00	25,39	-3,000	8	25,236	9,362	27,27	2,034					
490+0.000		-12,156	33,918	6,381	-7,88	27,537	-3,000	27,68	-3,00	27,773	30,839	-3,066	3,00	27,68	-3,000	8	27,533	9,997	30,514	2,981					
491+0.000		-12,71	36,452	7,208	-7,88	29,244	-3,000	29,39	-3,00	29,480	34,593	-5,113	3,00	29,39	-3,000	8	29,24	10,818	33,447	4,207					
492+0.000		-13,395	38,509	8,232	-7,88	30,277	-3,000	30,42	-3,00	30,514	37,055	-6,541	3,00	30,42	-3,000	8	30,274	11,893	36,084	5,810					
493+0.000		-13,351	38,803	8,166	-7,88	30,637	-3,000	30,78	-3,00	30,874	37,586	-6,712	3,00	30,78	-3,000	8	30,634	12,827	37,838	7,204					
494+0.000		-12,485	37,197	6,873	-7,88	30,324	-3,000	30,47	-3,00	30,560	37,371	-6,811	3,00	30,47	-3,000	8	30,32	13,481	38,501	8,181					
495+0.000		-11,18	34,262	4,925	-7,88	29,337	-3,000	29,48	-3,00	29,573	35,979	-6,406	3,00	29,48	-3,000	8	29,333	13,7	37,84	8,507					
496+0.000		-10,924	32,219	4,543	-7,88	27,676	-3,000	27,82	-3,00	27,912	34,059	-6,147	3,00	27,82	-3,000	8	27,672	13,05	35,209	7,537					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Afast	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	Afast	Cota	Afast	Cota	Alt		
497+0.000		-10,831	29,83	4,405	-7,88	25,425	-3,000	25,57	-3,00	25,662	31,006	-5,344	3,00	25,57	-3,000	8	25,422	12,459	32,077	6,655					
498+0.000		-9,408	25,371	2,280	-7,88	23,091	-3,000	23,24	-3,00	23,327	26,438	-3,111	3,00	23,29	-1,370	8	23,218	11,518	28,468	5,250					
498+5.128	TS	-8,929	24,016	1,525	-7,907	22,491	-3,000	22,64	-3,00	22,728	25,572	-2,844	3,00	22,73	0,000	8,03	22,728	11,289	27,593	4,865					
498+10.000		-9,097	23,514	1,595	-8,028	21,919	-3,146	22,07	-3,00	22,160	24,698	-2,538	3,15	22,20	1,300	8,146	22,266	11,097	26,67	4,404					
499+0.000		-8,905	21,514	0,852	-8,334	20,662	-3,446	20,86	-3,97	20,992	22,665	-1,672	3,45	21,13	3,970	8,447	21,327	10,763	24,785	3,458					
499+10.000		-6,029	19,315	-0,122	-5,847	19,437	-3,747	19,58	-6,63	19,825	21,023	-1,198	3,75	20,07	6,630	8,746	20,405	10,298	22,722	2,317					
499+15.128	EC	-6,226	19,103	0,338	-6,000	18,765	-3,900	18,93	-8,00	19,245	19,864	-0,619	3,90	19,56	8,000	6,104	19,733	7,011	21,086	1,353					
500+0.000		-6,453	18,924	0,676	-6,000	18,248	-3,900	18,42	-8,00	18,728	18,844	-0,115	3,90	19,04	8,000	6	19,208	6,482	18,887	-0,321					
500+10.000		-6,574	18,150	0,858	-6,000	17,292	-3,900	17,46	-8,00	17,772	17,279	0,493	3,90	18,08	8,000	6,000	18,252	7,47	17,276	-0,976					
501+0.000		-6,432	16,189	-0,288	-6,000	16,477	-3,900	16,65	-8,00	16,957	15,804	1,153	3,90	17,27	8,000	6,000	17,437	9,12	15,361	-2,076					
501+1.602		-6,566	15,983	-0,377	-6,000	16,360	-3,900	16,53	-8,00	16,840	15,665	1,175	3,90	17,15	8,000	6,000	17,320	9,04	15,293	-2,027					
501+10.000		-6,710	15,330	-0,473	-6,000	15,803	-3,900	15,97	-8,00	16,283	15,030	1,254	3,90	16,60	8,000	6,000	16,763	8,94	14,802	-1,961					
502+0.000		-6,688	14,812	-0,458	-6,000	15,270	-3,900	15,44	-8,00	15,750	14,437	1,313	3,90	16,06	8,000	6,000	16,230	9,36	13,988	-2,242					
502+8.077	CE	-6,751	14,442	-0,501	-6,000	14,943	-3,900	15,11	-8,00	15,423	14,262	1,161	3,90	15,74	8,000	6,000	15,903	8,64	14,141	-1,762					
502+10.000		-6,776	14,357	-0,556	-5,943	14,913	-3,843	15,07	-7,49	15,358	14,205	1,153	3,84	15,65	7,490	5,942	15,803	8,47	14,117	-1,686					
503+0.000		-6,801	14,062	-0,773	-5,642	14,835	-3,542	14,94	-4,82	15,107	13,926	1,181	3,54	15,28	4,820	5,642	15,379	8,86	13,237	-2,142					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
503+10.000		-6,468	14,086	-0,750	14,836	-3,00	-3,242	14,90	-3,00	14,997	13,773	1,224	3,24	15,07	2,150	5,342	15,112	8,66	12,899	-2,213					
503+18.077	ET	-7,793	13,016	-1,795	14,811	-3,00	-3,000	14,87	-3,00	14,964	13,640	1,324	3,00	14,96	0,000	5,100	14,964	8,51	12,689	-2,275					
504+0.000		-8,107	12,799	-2,005	14,804	-3,00	-3,000	14,87	-3,00	14,957	13,588	1,369	3,00	14,94	-0,510	5,100	14,931	8,43	12,711	-2,220					
505+0.000		-8,952	12,156	-2,568	14,724	-3,00	-3,000	14,79	-3,00	14,877	13,279	1,598	3,00	14,79	-3,000	5,100	14,724	8,16	12,682	-2,042					
506+0.000		-9,498	12,415	-2,196	14,611	-3,00	-3,000	14,71	-3,00	14,798	13,164	1,633	3,00	14,71	-3,000	5,946	14,619	9,10	12,519	-2,100					
507+0.000		-9,166	12,937	-1,577	14,514	-3,00	-3,000	14,63	-3,00	14,718	13,272	1,446	3,00	14,63	-3,000	6,799	14,514	9,57	12,668	-1,846					
508+0.000		-9,028	12,949	-1,485	14,434	-3,00	-3,000	14,55	-3,00	14,638	13,141	1,498	3,00	14,55	-3,000	6,800	14,434	8,87	13,053	-1,381					
509+0.000		-8,316	13,344	13,344			-6,800	14,36	-3,00	14,559	13,546	1,013	3,00	14,47	-3,000					0,000					
510+0.000		-8,367	13,236	13,236			-6,809	14,28	-3,00	14,479	13,474	1,005	3,51	14,48	-0,080					0,000					
510+0.295	TS	-8,356	13,244	13,244			-6,811	14,27	-3,00	14,478	13,465	1,013	3,51	14,48	0,000					0,000					
510+10.000		-8,661	13,183	13,183			-7,096	14,23	-3,00	14,439	13,800	0,639	3,29	14,52	2,590					0,000					
511+0.000		-8,801	13,074	13,074			-7,396	14,01	-5,25	14,399	13,722	0,678	3,59	14,59	5,250					0,000					
511+10.000		-8,409	13,270	13,270			-7,687	13,75	-7,92	14,360	13,716	0,643	3,89	14,67	7,920					0,000					
511+10.295	EC	-8,407	13,266	13,266			-7,692	13,74	-8,00	14,358	13,715	0,644	3,89	14,67	8,000					0,000					
512+0.000		-8,596	13,111	-0,592	13,703	-8,00	-3,000	14,08	-8,00	14,320	13,625	0,695	3,00	14,56	8,000	7,630	14,930	7,85	14,784	-0,146					
512+10.000		-8,833	12,920	-0,743	13,663	-8,00	-3,000	14,04	-8,00	14,280	13,623	0,657	3,00	14,52	8,000	7,128	14,850	7,54	14,576	-0,274					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
512+17.774		-8,855	12,782	-0,862	-7,562	13,644	-3,000	14,01	-8,00	14,249	13,579	0,670	3,00	14,49	8,000	6,738	14,788	6,97	14,637	-0,151			
513+0.000		-8,753	12,789	-0,853	-7,472	13,642	-3,000	14,00	-8,00	14,240	13,543	0,697	3,00	14,48	8,000	6,625	14,770	6,74	14,696	-0,074			
513+10.000		-8,697	12,557	-1,077	-7,081	13,634	-3,000	13,96	-8,00	14,200	13,586	0,615	3,00	14,44	8,000	6,145	14,692	7,40	16,570	1,878			
514+0.000		-7,346	13,208	-0,415	-6,723	13,623	-3,000	13,92	-8,00	14,161	14,281	-0,121	3,00	14,40	8,000	6,000	14,641	8,09	17,758	3,117			
514+5.252	CE	-6,908	13,355	-0,264	-6,512	13,619	-3,000	13,90	-8,00	14,140	14,655	-0,515	3,00	14,38	8,000	5,975	14,618	8,31	18,109	3,491			
514+10.000		-6,530	13,478	-0,218	-6,202	13,696	-3,000	13,92	-6,84	14,121	15,276	-1,155	3,00	14,33	6,840	5,856	14,521	8,88	19,034	4,513			
515+0.000		-5,743	13,714	-0,122	-5,559	13,836	-3,000	13,95	-4,41	14,081	16,512	-2,431	3,00	14,21	4,410	5,557	14,326	9,13	19,662	5,336			
515+10.000		-5,537	13,753	-0,184	-5,261	13,937	-3,000	13,98	-1,97	14,041	15,313	-1,271	3,00	14,10	1,970	5,256	14,145	9,74	20,837	6,692			
515+15.252	ET	-5,552	13,701	-0,284	-5,126	13,985	-3,000	14,00	-0,69	14,020	15,837	-1,817	3,00	14,04	0,690	5,100	14,056	9,63	20,817	6,761			
516+0.000		-5,640	13,665	-0,360	-5,100	14,025	-3,000	14,02	0,47	14,001	16,627	-2,626	3,00	13,99	-0,470	5,100	13,978	9,64	20,750	6,772			
516+0.929	TS	-5,640	13,662	-0,359	-5,100	14,021	-3,000	14,01	0,47	13,998	16,644	-2,646	3,00	13,98	-0,470	5,100	13,974	9,64	20,746	6,772			
516+10.000		-5,876	13,592	-0,517	-5,100	14,109	-3,000	14,05	2,90	13,962	16,262	-2,301	3,00	13,87	-2,900	5,100	13,814	9,31	20,090	6,276			
517+0.000		-7,569	12,868	-1,350	-5,545	14,218	-3,445	14,11	5,34	13,922	13,681	0,241	3,45	13,74	-5,340	5,545	13,626	9,64	19,740	6,114			
517+10.000		-10,460	11,210	-3,121	-5,778	14,331	-3,678	14,17	7,77	13,882	13,603	0,279	3,68	13,60	-7,770	5,779	13,433	9,80	19,439	6,006			
517+10.929	EC	-9,931	11,588	-2,754	-5,800	14,342	-3,700	14,17	8,00	13,878	13,602	0,276	3,70	13,58	-8,000	5,800	13,414	9,79	19,374	5,960			
518+0.000		-10,820	10,959	-3,347	-5,800	14,306	-3,700	14,14	8,00	13,842	13,564	0,279	3,70	13,55	-8,000	5,800	13,378	9,37	18,700	5,322			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
518+7.617		-11,619	10,397	-3,879	-5,800	14,276	-3,700	14,11	8,00	13,812	13,547	0,265	3,70	13,52	-8,000	5,800	13,348	9,00	18,123	4,775					
518+10.000		-11,647	10,368	-3,898	-5,800	14,266	-3,700	14,10	8,00	13,802	13,520	0,282	3,70	13,51	-8,000	5,800	13,338	8,93	18,010	4,672					
519+0.000		-11,842	10,198	-4,028	-5,800	14,226	-3,700	14,06	8,00	13,762	13,432	0,331	3,70	13,47	-8,000	5,800	13,298	8,84	17,840	4,542					
519+4.304	CE	-11,753	10,240	-3,969	-5,800	14,209	-3,700	14,04	8,00	13,745	13,395	0,351	3,70	13,45	-8,000	5,800	13,281	8,91	17,924	4,643					
519+10.000		-11,346	10,304	-3,786	-5,667	14,090	-3,567	13,95	6,48	13,723	13,382	0,341	3,57	13,49	-6,480	5,667	13,355	8,71	17,900	4,545					
520+0.000		-11,072	10,131	-3,759	-5,434	13,890	-3,334	13,81	3,81	13,683	13,277	0,406	3,33	13,56	-3,810	5,434	13,476	7,25	16,183	2,707					
520+10.000		-10,134	10,414	-3,289	-5,200	13,703	-3,100	13,68	1,15	13,643	13,158	0,485	3,10	13,55	-3,000	5,200	13,487	5,27	13,441	-0,046					
520+14.304	ET	-9,970	10,379	-3,247	-5,100	13,626	-3,000	13,63	0,00	13,626	13,112	0,513	3,00	13,54	-3,000	5,100	13,473	6,81	16,026	2,553					
521+0.000		-9,536	10,569	-2,957	-5,100	13,526	-3,000	13,56	-1,52	13,603	13,052	0,551	3,00	13,51	-3,000	5,100	13,450	5,56	14,135	0,685					
522+0.000		-8,855	10,867	-2,504	-5,100	13,371	-3,000	13,43	-3,00	13,524	12,845	0,679	3,00	13,43	-3,000	5,100	13,371	5,80	14,413	1,042					
523+0.000		-9,576	10,386	-2,984	-5,100	13,370	-3,000	13,43	-3,00	13,523	12,580	0,943	3,00	13,43	-3,000	5,100	13,370	5,44	13,141	-0,229					
524+0.000		-9,241	10,766	-2,761	-5,100	13,527	-3,000	13,59	-3,00	13,680	12,469	1,212	3,00	13,59	-3,000	5,100	13,527	5,36	13,357	-0,170					
525+0.000		-9,698	10,778	-3,065	-5,100	13,843	-3,000	13,91	-3,00	13,996	12,618	1,378	3,00	13,91	-3,000	5,100	13,843	6,06	15,274	1,431					
526+0.000		-9,164	11,528	-2,709	-5,100	14,237	-3,000	14,30	-3,00	14,390	12,779	1,611	3,00	14,30	-3,000	5,100	14,237	6,45	16,245	2,008					
527+0.000		-8,342	12,470	-2,162	-5,100	14,632	-3,000	14,70	-3,00	14,785	14,130	0,655	3,00	14,70	-3,000	5,100	14,632	6,41	16,590	1,958					
528+0.000		-8,870	12,513	-2,513	-5,100	15,026	-3,000	15,09	-3,00	15,179	15,051	0,128	3,00	15,09	-3,000	5,100	15,026	6,72	17,449	2,423					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito						
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	Afast	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	Afast	Cota	%	Afast	Cota	Alt
529+0.000		-8,881	12,876	-2,521	-5,100	15,397	-3,000	15,46	-3,00	15,550	15,577	-0,027	3,00	15,46	-3,000	5,100	15,397	6,73	17,834	2,437	6,73	17,834	2,437	
530+0.000		-8,868	13,093	-2,513	-5,100	15,606	-3,000	15,67	-3,00	15,759	16,183	-0,425	3,00	15,67	-3,000	5,100	15,606	6,87	18,239	2,633	6,87	18,239	2,633	
531+0.000		-8,709	13,222	-2,406	-5,100	15,628	-3,000	15,69	-3,00	15,781	16,358	-0,577	3,00	15,69	-3,000	5,100	15,628	6,67	17,977	2,349	6,67	17,977	2,349	
532+0.000		-8,559	13,159	-2,305	-5,100	15,464	-3,000	15,53	-3,00	15,617	15,745	-0,127	3,00	15,53	-3,000	5,100	15,464	6,54	17,613	2,149	6,54	17,613	2,149	
533+0.000		-12,381	10,420	-4,854	-5,100	15,274	-3,000	15,28	-0,33	15,291	12,884	2,406	3,00	15,20	-3,000	5,100	15,138	6,16	16,718	1,580	6,16	16,718	1,580	
533+2.496	TS	-13,203	9,845	-5,402	-5,100	15,247	-3,000	15,25	0,00	15,247	12,862	2,385	3,00	15,16	-3,000	5,100	15,094	6,10	16,590	1,496	6,10	16,590	1,496	
533+10.000		-14,125	9,201	-5,967	-5,175	15,168	-3,075	15,15	1,00	15,116	12,766	2,350	3,08	15,02	-3,000	5,175	14,961	5,46	15,392	0,431	5,46	15,392	0,431	
534+0.000		-13,961	9,273	-5,791	-5,275	15,064	-3,175	15,02	2,33	14,941	12,691	2,251	3,18	14,85	-3,000	5,275	14,783	5,71	14,490	-0,293	5,71	14,490	-0,293	
534+10.000		-13,903	9,278	-5,685	-5,375	14,963	-3,275	14,89	3,67	14,766	12,657	2,109	3,28	14,65	-3,670	5,375	14,569	5,98	14,170	-0,399	5,98	14,170	-0,399	
535+0.000		-14,189	9,055	-5,810	-5,474	14,865	-3,374	14,76	5,00	14,591	12,514	2,077	3,38	14,42	-5,000	5,476	14,318	5,92	14,020	-0,298	5,92	14,020	-0,298	
535+10.000		-12,839	9,927	-4,843	-5,574	14,770	-3,474	14,64	6,33	14,417	12,418	1,999	3,48	14,20	-6,330	5,576	14,063	5,66	14,185	0,122	5,66	14,185	0,122	
536+0.000		-12,983	9,805	-4,872	-5,675	14,677	-3,575	14,52	7,67	14,242	12,298	1,944	3,58	13,97	-7,670	5,675	13,807	6,51	15,050	1,243	6,51	15,050	1,243	
536+2.496	EC	-12,940	9,827	-4,827	-5,700	14,654	-3,600	14,49	8,00	14,198	12,273	1,925	3,60	13,91	-8,000	5,700	13,742	6,72	15,257	1,515	6,72	15,257	1,515	
536+10.000		-11,943	10,361	-4,162	-5,700	14,523	-3,600	14,36	8,00	14,067	12,007	2,059	3,60	13,78	-8,000	5,700	13,611	6,83	15,293	1,682	6,83	15,293	1,682	
537+0.000		-10,820	10,935	-3,413	-5,700	14,348	-3,600	14,18	8,00	13,892	11,631	2,261	3,60	13,60	-8,000	5,700	13,436	6,94	15,279	1,843	6,94	15,279	1,843	
537+2.791		-11,093	10,704	-3,595	-5,700	14,299	-3,600	14,13	8,00	13,843	11,588	2,255	3,60	13,56	-8,000	5,700	13,387	6,99	15,312	1,925	6,99	15,312	1,925	



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt
537+10.000		-11,202	10,505	-3,668	-5,700	14,173	-3,600	14,01	8,00	13,717	11,229	2,488	3,60	13,43	-8,000	5,700	13,261	6,97	15,161	1,900			
538+0.000		-11,773	9,950	-4,048	-5,700	13,998	-3,600	13,83	8,00	13,542	10,934	2,609	3,60	13,25	-8,000	5,700	13,086	6,92	14,911	1,825			
538+3.087	CE	-12,108	9,672	-4,272	-5,700	13,944	-3,600	13,78	8,00	13,488	10,846	2,643	3,60	13,20	-8,000	5,700	13,032	6,92	14,851	1,819			
538+10.000		-10,725	10,369	-3,397	-5,630	13,766	-3,530	13,62	7,08	13,368	10,799	2,568	3,53	13,12	-7,080	5,632	12,969	6,60	14,419	1,450			
539+0.000		-11,952	9,230	-4,280	-5,531	13,510	-3,431	13,39	5,74	13,193	10,680	2,513	3,43	13,00	-5,740	5,531	12,875	6,18	13,845	0,970			
539+10.000		-9,975	10,228	-3,029	-5,430	13,257	-3,330	13,17	4,41	13,018	10,645	2,373	3,33	12,87	-4,410	5,432	12,778	5,76	13,263	0,485			
540+0.000		-10,721	9,413	-3,594	-5,330	13,007	-3,230	12,94	3,08	12,843	11,451	1,392	3,23	12,74	-3,080	5,331	12,679	5,64	13,137	0,458			
540+10.000		-9,517	9,902	-2,858	-5,231	12,760	-3,131	12,72	1,74	12,668	11,743	0,925	3,13	12,57	-3,000	5,231	12,511	5,85	13,429	0,918			
541+0.000		-7,432	10,980	-1,535	-5,131	12,515	-3,031	12,51	0,41	12,493	12,292	0,201	3,03	12,40	-3,000	5,131	12,339	6,30	14,083	1,744			
541+3.087	ET	-7,219	11,027	-1,412	-5,100	12,439	-3,000	12,44	0,00	12,439	12,464	-0,024	3,00	12,35	-3,000	5,100	12,286	6,44	14,291	2,005			
542+0.000		-5,534	12,677	0,648	-5,100	12,029	-3,000	12,08	-2,26	12,144	14,484	-2,340	3,00	12,05	-3,000	5,100	11,991	8,33	16,808	4,817			
543+0.000		-5,509	12,251	0,610	-5,100	11,641	-3,000	11,70	-3,00	11,794	15,119	-3,325	3,00	11,70	-3,000	5,100	11,641	9,21	17,773	6,132			
544+0.000		-6,226	10,541	-0,750	-5,100	11,291	-3,000	11,35	-3,00	11,444	13,145	-1,700	3,00	11,42	-0,770	5,100	11,405	7,62	15,171	3,766			
544+5.918	TS	-6,282	10,400	-0,788	-5,100	11,188	-3,000	11,25	-3,00	11,341	11,508	-0,167	3,00	11,34	0,000	5,100	11,341	6,99	14,161	2,820			
544+10.000		-6,300	10,338	-0,778	-5,134	11,116	-3,034	11,18	-3,00	11,270	11,339	-0,069	3,03	11,29	0,530	5,134	11,297	6,52	13,361	2,064			
545+0.000		-8,291	8,890	-2,048	-5,218	10,938	-3,118	11,00	-3,00	11,095	10,376	0,719	3,12	11,15	1,830	5,217	11,190	5,61	11,779	0,589			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
545+10.000		-7,817	9,076	-1,678	-5,301	10,754	-3,201	10,82	-3,13	10,920	10,204	0,716	3,20	11,02	3,130	5,301	11,086	5,64	10,857	-0,229			
546+0.000		-6,877	9,512	-0,994	-5,385	10,506	-3,285	10,60	-4,43	10,745	10,063	0,682	3,28	10,89	4,430	5,383	10,984	6,02	10,558	-0,426			
546+10.000		-6,509	9,563	-0,694	-5,468	10,257	-3,368	10,38	-5,73	10,570	9,924	0,646	3,37	10,76	5,730	5,467	10,883	5,86	10,623	-0,260			
547+0.000		-6,078	9,654	-0,351	-5,550	10,005	-3,450	10,15	-7,03	10,395	9,710	0,685	3,45	10,64	7,030	5,550	10,786	5,74	11,063	0,277			
547+5.918	EC	-5,695	9,997	0,142	-5,600	9,855	-3,500	10,02	-7,80	10,292	9,672	0,620	3,50	10,57	7,800	5,600	10,729	5,98	11,289	0,560			
547+10.000		-5,664	9,879	0,095	-5,600	9,784	-3,500	9,95	-7,80	10,221	9,547	0,674	3,50	10,49	7,800	5,600	10,657	6,07	11,361	0,704			
548+0.000		-5,744	9,513	-0,096	-5,600	9,609	-3,500	9,77	-7,80	10,046	9,378	0,668	3,50	10,32	7,800	5,600	10,482	6,01	11,098	0,616			
548+10.000		-5,998	9,169	-0,265	-5,600	9,434	-3,500	9,60	-7,80	9,871	9,196	0,675	3,50	10,14	7,800	5,600	10,308	5,88	10,723	0,415			
548+16,181		-6,234	8,903	-0,423	-5,600	9,326	-3,500	9,49	-7,80	9,763	9,034	0,729	3,50	10,04	7,800	5,600	10,200	5,91	10,662	0,462			
549+0.000		-6,461	8,685	-0,574	-5,600	9,259	-3,500	9,42	-7,80	9,696	8,928	0,768	3,50	9,97	7,800	5,600	10,133	5,92	10,604	0,471			
549+10.000		-6,293	8,622	-0,462	-5,600	9,084	-3,500	9,25	-7,80	9,521	8,711	0,810	3,50	9,79	7,800	5,600	9,958	6,01	10,573	0,615			
550+0.000		-6,694	8,180	-0,730	-5,600	8,910	-3,500	9,07	-7,80	9,346	8,443	0,903	3,50	9,62	7,800	5,600	9,783	5,76	10,022	0,239			
550+6.444	CE	-7,094	7,803	-0,996	-5,600	8,799	-3,500	8,96	-7,80	9,236	8,257	0,978	3,50	9,51	7,800	5,600	9,672	5,72	9,590	-0,082			
550+10.000		-7,167	7,702	-1,065	-5,570	8,767	-3,470	8,92	-7,34	9,176	8,149	1,027	3,47	9,43	7,340	5,570	9,585	6,06	9,259	-0,326			
551+0.000		-7,458	7,369	-1,314	-5,488	8,683	-3,388	8,81	-6,04	9,014	7,813	1,201	3,39	9,22	6,040	5,486	9,345	6,90	8,403	-0,942			
551+10.000		-7,350	7,308	-1,297	-5,404	8,605	-3,304	8,70	-4,74	8,861	7,586	1,275	3,30	9,02	4,740	5,403	9,117	6,88	8,130	-0,987			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
552+0.000		-7,311	7,207	-1,327	8,534	-3,220	8,61	-3,44	8,717	7,455	1,262	3,22	8,83	3,440	5,320	8,900	7,09	7,722	-1,178				
552+10.000		-7,036	7,225	-1,199	8,424	-3,137	8,49	-3,00	8,581	7,193	1,388	3,14	8,65	2,140	5,237	8,693	7,30	7,316	-1,377				
553+0.000		-6,642	7,307	-0,993	8,300	-3,054	8,36	-3,00	8,454	7,017	1,437	3,05	8,48	0,840	5,154	8,497	7,43	6,978	-1,519				
553+6.444	ET	-6,689	7,165	-1,059	8,224	-3,000	8,29	-3,00	8,377	7,136	1,241	3,00	8,38	0,000	5,100	8,377	7,35	6,880	-1,497				
554+0.000		-6,526	7,123	-0,950	8,073	-3,000	8,14	-3,00	8,226	6,811	1,415	3,00	8,17	-1,760	5,100	8,137	7,11	6,795	-1,342				
555+0.000		-7,531	6,260	-1,621	7,881	-3,000	7,94	-3,00	8,034	6,773	1,261	3,00	7,94	-3,000	5,100	7,881	7,56	6,243	-1,638				
556+0.000		-7,808	5,917	-1,806	7,723	-3,000	7,79	-3,00	7,876	6,510	1,365	3,00	7,79	-3,000	5,100	7,723	6,76	6,620	-1,103				
557+0.000		-7,497	5,984	-1,598	7,582	-3,000	7,65	-3,00	7,735	6,477	1,258	3,00	7,65	-3,000	5,100	7,582	6,04	6,954	-0,628				
558+0.000		-7,441	5,881	-1,560	7,441	-3,000	7,50	-3,00	7,594	6,511	1,084	3,00	7,51	-2,960	5,100	7,443	5,12	7,479	0,036				
559+0.000		-6,845	6,146	-1,155	7,301	-3,012	7,36	-2,98	7,454	6,753	0,701	3,01	7,46	0,330	5,112	7,471	5,30	7,752	0,281				
559+4.789	PC	-6,581	6,308	-0,960	7,268	-3,040	7,33	-2,92	7,420	6,904	0,516	3,04	7,45	1,120	5,140	7,478	5,48	7,978	0,500				
559+10.000		-6,371	6,432	-0,801	7,233	-3,071	7,30	-2,86	7,384	6,970	0,414	3,07	7,44	1,980	5,171	7,486	5,71	8,290	0,804				
560+0.000		-5,964	6,648	-0,509	7,157	-3,100	7,22	-3,00	7,313	7,119	0,194	3,10	7,41	3,000	5,200	7,469	5,59	8,055	0,586				
560+10.000		-5,865	6,643	-0,444	7,087	-3,100	7,15	-3,00	7,243	7,214	0,029	3,10	7,34	3,000	5,200	7,399	5,46	7,782	0,383				
561+0.000		-5,512	6,809	-0,208	7,017	-3,100	7,08	-3,00	7,173	7,361	-0,188	3,10	7,27	3,000	5,200	7,329	5,42	7,657	0,328				
561+5.310		-5,349	6,880	-0,099	6,979	-3,100	7,04	-3,00	7,135	7,445	-0,310	3,10	7,23	3,000	5,200	7,291	5,52	7,764	0,473				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
561+10.000		-5,310	6,873	-0,073	-5,200	6,946	-3,100	7,01	-3,00	7,102	7,569	-0,466	3,10	7,20	3,000	5,200	7,258	5,60	7,852	0,594			
562+0.000		-5,210	6,870	-0,006	-5,200	6,876	-3,100	6,94	-3,00	7,032	7,277	-0,245	3,10	7,13	3,000	5,200	7,188	5,49	7,616	0,428			
562+10.000		-5,274	6,917	0,111	-5,200	6,806	-3,100	6,87	-3,00	6,962	7,031	-0,069	3,10	7,06	3,000	5,200	7,118	5,40	6,985	-0,133			
563+0.000		-5,328	6,971	0,230	-5,174	6,741	-3,074	6,80	-2,85	6,892	7,101	-0,210	3,07	6,96	2,080	5,174	6,999	5,35	7,253	0,254			
563+5.832	PT	-5,347	7,007	0,308	-5,140	6,699	-3,040	6,76	-2,92	6,851	7,138	-0,288	3,04	6,89	1,120	5,140	6,908	5,83	7,932	1,024			
564+0.000		-5,295	6,890	0,292	-5,100	6,598	-3,000	6,66	-3,00	6,751	7,216	-0,465	3,00	6,72	-1,210	5,100	6,689	6,19	8,321	1,632			
565+0.000		-5,266	6,705	0,248	-5,100	6,457	-3,000	6,52	-3,00	6,610	7,502	-0,892	3,00	6,52	-3,000	5,100	6,457	6,96	9,236	2,779			
566+0.000		-5,194	6,457	0,140	-5,100	6,317	-3,000	6,38	-3,00	6,470	7,905	-1,435	3,00	6,38	-3,000	5,100	6,317	7,51	9,908	3,591			
567+0.000		-5,188	6,118	-0,058	-5,100	6,176	-3,000	6,24	-3,00	6,329	7,384	-1,055	3,00	6,24	-3,000	5,100	6,176	7,28	9,427	3,251			
568+0.000		-5,542	5,741	-0,295	-5,100	6,036	-3,000	6,10	-3,00	6,189	6,868	-0,679	3,00	6,10	-3,000	5,100	6,036	6,81	8,581	2,545			
569+0.000		-5,691	5,501	-0,394	-5,100	5,895	-3,000	5,96	-3,00	6,048	6,645	-0,597	3,00	5,96	-3,000	5,100	5,895	6,40	7,829	1,934			
570+0.000		-5,895	5,224	-0,530	-5,100	5,754	-3,000	5,82	-3,00	5,907	5,525	0,383	3,00	5,82	-3,000	5,100	5,754	5,96	7,043	1,289			
571+0.000		-6,083	4,958	-0,656	-5,100	5,614	-3,000	5,68	-3,00	5,767	5,245	0,522	3,00	5,75	-0,630	5,100	5,735	5,71	6,650	0,915			
571+4.526	TS	-6,210	4,842	-0,740	-5,100	5,582	-3,000	5,65	-3,00	5,735	5,234	0,501	3,00	5,74	0,000	5,100	5,735	5,71	6,645	0,910			
571+10.000		-6,511	4,621	-0,922	-5,127	5,543	-3,027	5,61	-3,00	5,697	5,170	0,527	3,03	5,72	0,770	5,127	5,736	5,77	6,689	0,933			
572+0.000		-7,428	3,971	-1,500	-5,177	5,471	-3,077	5,53	-3,00	5,626	5,044	0,583	3,08	5,69	2,170	5,177	5,738	5,84	5,296	-0,442			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
572+10.000		-7,895	3,591	-1,779	5,370	-3,127	5,44	-3,57	5,556	4,921	0,635	3,13	5,67	3,570	5,227	5,742	6,12	5,150	-0,592				
573+0.000		-8,280	3,228	-2,001	5,229	-3,178	5,33	-4,97	5,491	4,789	0,703	3,18	5,65	4,970	5,277	5,753	6,27	5,090	-0,663				
573+4.526	EC	-8,269	3,189	-1,980	5,169	-3,200	5,29	-5,60	5,466	4,692	0,773	3,20	5,65	5,600	5,300	5,762	6,40	5,030	-0,732				
573+10.000		-8,274	3,158	-1,983	5,141	-3,200	5,26	-5,60	5,438	4,929	0,509	3,20	5,62	5,600	5,300	5,734	6,49	4,942	-0,792				
574+0.000		-8,231	3,144	-1,954	5,098	-3,200	5,22	-5,60	5,395	4,370	1,025	3,20	5,57	5,600	5,300	5,692	6,62	4,812	-0,880				
574+10.000		-8,742	2,772	-2,295	5,067	-3,200	5,18	-5,60	5,364	3,934	1,429	3,20	5,54	5,600	5,300	5,660	6,70	4,728	-0,932				
574+13.203		-8,684	2,803	-2,256	5,059	-3,200	5,18	-5,60	5,356	3,831	1,525	3,20	5,54	5,600	5,300	5,653	6,78	4,669	-0,984				
575+0.000		-8,525	2,897	-2,149	5,046	-3,200	5,16	-5,60	5,343	3,581	1,762	3,20	5,52	5,600	5,300	5,640	6,96	4,531	-1,109				
575+10.000		-8,243	3,075	-1,962	5,037	-3,200	5,16	-5,60	5,334	3,582	1,752	3,20	5,51	5,600	5,300	5,631	7,07	4,450	-1,181				
576+0.000		-8,163	3,131	-1,908	5,039	-3,200	5,16	-5,60	5,336	3,616	1,720	3,20	5,52	5,600	5,300	5,632	7,06	4,461	-1,171				
576+1.881	CE	-8,634	2,817	-2,223	5,040	-3,200	5,16	-5,60	5,337	3,937	1,401	3,20	5,52	5,600	5,300	5,634	7,03	4,481	-1,153				
576+10.000		-5,668	4,841	-0,273	5,114	-3,159	5,21	-4,46	5,349	4,549	0,799	3,16	5,49	4,460	5,259	5,583	7,29	4,232	-1,351				
577+0.000		-6,174	4,570	-0,643	5,213	-3,110	5,28	-3,06	5,373	4,371	1,002	3,11	5,47	3,060	5,209	5,532	9,41	2,732	-2,800				
577+10.000		-6,338	4,467	-0,786	5,253	-3,059	5,32	-3,00	5,408	3,572	1,836	3,06	5,46	1,660	5,159	5,493	8,37	3,354	-2,139				
578+0.000		-6,311	4,499	-0,802	5,301	-3,009	5,36	-3,00	5,454	3,087	2,367	3,01	5,46	0,260	5,109	5,467	8,81	2,999	-2,468				
578+1.881	ET	-6,343	4,482	-0,829	5,311	-3,000	5,37	-3,00	5,464	2,996	2,468	3,00	5,46	0,000	5,100	5,464	8,85	2,965	-2,499				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
579+0.000		-6,155	4,718	-0,703	-5,100	5,421	-3,000	5,48	-3,00	5,574	3,494	2,080	3,00	5,50	-2,540	5,100	5,445	8,93	2,889	-2,556			
580+0.000		-5,202	5,700	0,153	-5,100	5,547	-3,000	5,61	-2,98	5,700	5,045	0,655	3,00	5,61	-3,000	5,100	5,547	7,15	4,177	-1,370			
581+0.000		-5,595	6,514	0,739	-5,100	5,775	-3,000	5,80	-0,98	5,825	6,542	-0,717	3,00	5,74	-3,000	5,100	5,672	5,25	5,901	0,229			
581+9.838	TS	-6,171	7,486	1,599	-5,100	5,887	-3,000	5,89	0,00	5,887	6,990	-1,103	3,00	5,80	-3,000	5,100	5,734	5,70	6,636	0,902			
581+10.000		-6,194	7,521	1,632	-5,100	5,889	-3,000	5,89	0,02	5,888	6,995	-1,107	3,00	5,80	-3,000	5,101	5,735	5,71	6,646	0,911			
582+0.000		-7,532	9,558	3,555	-5,151	6,003	-3,051	5,98	1,02	5,951	7,317	-1,366	3,05	5,86	-3,000	5,151	5,796	6,09	7,199	1,403			
582+10.000		-8,341	10,806	4,688	-5,201	6,118	-3,101	6,08	2,02	6,014	7,656	-1,643	3,10	5,92	-3,000	5,201	5,858	6,43	7,695	1,837			
583+0.000		-8,595	11,226	4,991	-5,251	6,235	-3,151	6,17	3,02	6,076	8,006	-1,930	3,15	5,98	-3,020	5,251	5,918	6,74	8,136	2,218			
583+10.000		-8,630	11,322	4,970	-5,300	6,352	-3,200	6,27	4,02	6,139	8,092	-1,952	3,20	6,01	-4,020	5,301	5,926	6,74	8,076	2,150			
584+0.000		-8,384	10,998	4,528	-5,350	6,470	-3,250	6,37	5,02	6,202	7,927	-1,725	3,25	6,04	-5,020	5,351	5,934	6,50	7,642	1,708			
584+9.838	EC	-7,432	9,621	3,033	-5,400	6,588	-3,300	6,46	6,00	6,264	7,503	-1,239	3,30	6,07	-6,000	5,400	5,940	6,00	6,832	0,892			
584+10.000		-7,409	9,587	2,998	-5,400	6,589	-3,300	6,46	6,00	6,265	7,492	-1,227	3,30	6,07	-6,000	5,400	5,941	5,98	6,813	0,872			
585+0.000		-5,999	7,546	0,894	-5,400	6,652	-3,300	6,53	6,00	6,328	6,809	-0,481	3,30	6,13	-6,000	5,400	6,004	6,26	5,430	-0,574			
585+10.000		-5,851	6,414	-0,301	-5,400	6,715	-3,300	6,59	6,00	6,391	5,800	0,591	3,30	6,19	-6,000	5,400	6,067	6,88	5,081	-0,986			
585+18.344		-6,226	6,220	-0,551	-5,400	6,771	-3,300	6,65	6,00	6,447	5,778	0,669	3,30	6,25	-6,000	5,400	6,123	7,02	5,047	-1,076			
586+0.000		-6,303	6,181	-0,602	-5,400	6,783	-3,300	6,66	6,00	6,459	5,771	0,689	3,30	6,26	-6,000	5,400	6,135	6,92	5,120	-1,015			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)					
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt			
586+10.000		-6,512	6,123	-0,741	-5,400	6,864	6,864	-3,300	6,74	6,00	6,540	5,945	0,596	3,30	6,34	-6,000	5,400	6,216	6,32	5,603	-0,613				
587+0.000		-6,488	6,232	-0,725	-5,400	6,957	-3,300	6,83	6,00	6,633	6,315	0,318	3,30	6,44	-6,000	5,400	6,309	5,87	5,997	-0,312					
587+6.849	CE	-6,511	6,287	-0,741	-5,400	7,028	-3,300	6,90	6,00	6,704	6,422	0,282	3,30	6,51	-6,000	5,400	6,380	5,74	6,156	-0,224					
587+10.000		-6,519	6,287	-0,757	-5,384	7,044	-3,284	6,93	5,68	6,738	6,307	0,432	3,29	6,55	-5,680	5,385	6,432	5,94	6,065	-0,367					
588+0.000		-6,287	6,470	-0,635	-5,334	7,105	-3,234	7,01	4,68	6,855	5,979	0,876	3,23	6,70	-4,680	5,334	6,605	6,65	5,728	-0,877					
588+10.000		-6,423	6,420	-0,759	-5,284	7,179	-3,184	7,10	3,68	6,985	6,174	0,810	3,19	6,87	-3,680	5,285	6,790	7,16	5,538	-1,252					
589+0.000		-6,691	6,295	-0,971	-5,234	7,266	-3,134	7,21	2,68	7,126	6,042	1,084	3,14	7,03	-3,000	5,235	6,969	7,51	5,454	-1,515					
589+10.000		-6,790	6,296	-1,070	-5,184	7,366	-3,084	7,33	1,68	7,279	6,193	1,086	3,08	7,19	-3,000	5,184	7,123	7,69	5,452	-1,671					
590+0.000		-6,490	6,575	-0,904	-5,134	7,479	-3,034	7,47	0,68	7,444	6,261	1,184	3,03	7,35	-3,000	5,134	7,290	7,84	5,487	-1,803					
590+6.849	ET	-6,352	6,730	-0,834	-5,100	7,564	-3,000	7,56	0,00	7,564	6,322	1,243	3,00	7,47	-3,000	5,100	7,411	7,87	5,567	-1,844					
591+0.000		-6,332	6,923	-0,821	-5,100	7,744	-3,000	7,77	-1,32	7,811	6,470	1,342	3,00	7,72	-3,000	5,100	7,658	7,60	5,992	-1,666					
592+0.000		-5,971	7,493	-0,580	-5,100	8,073	-3,000	8,14	-3,00	8,226	6,780	1,446	3,00	8,14	-3,000	5,100	8,073	7,79	6,280	-1,793					
593+0.000		-5,890	8,004	-0,526	-5,100	8,530	-3,000	8,59	-3,00	8,683	7,186	1,498	3,00	8,59	-3,000	5,100	8,530	9,27	5,749	-2,781					
594+0.000		-5,649	8,628	-0,366	-5,100	8,994	-3,000	9,06	-3,00	9,147	7,631	1,516	3,00	9,06	-3,000	5,100	8,994	9,39	6,132	-2,862					
595+0.000		-5,483	9,711	0,260	-5,309	9,451	-3,000	9,52	-3,00	9,610	8,455	1,155	3,00	9,57	-1,340	5,100	9,542	8,78	7,087	-2,455					
595+8.907	TS	-11,287	12,915	3,390	-9,015	9,525	-3,000	9,71	-3,00	9,795	9,035	0,760	3,00	9,80	0,000	5,100	9,795	7,92	7,913	-1,892					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
595+10.000		-11,958	13,245	3,714	-9,47	9,531	-3,011	9,72	-3,00	9,815	9,132	0,683	3,01	9,82	0,160	5,111	9,823	7,65	8,129	-1,694			
596+0.000		-15,568	15,522	5,905	-11,612	9,617	-3,111	9,87	-3,00	9,965	10,023	-0,057	3,11	10,02	1,660	5,211	10,052	5,24	10,097	0,045			
596+10.000		-16,445	16,755	7,064	-11,712	9,691	-3,211	9,96	-3,16	10,062	10,897	-0,835	3,21	10,16	3,160	5,311	10,230	5,79	10,949	0,719			
597+0.000		-17,524	18,078	8,524	-11,812	9,554	-3,311	9,95	-4,66	10,104	11,755	-1,650	3,31	10,26	4,660	5,411	10,357	6,37	11,790	1,433			
597+8.907	EC	-18,077	18,597	9,214	-11,903	9,383	-3,400	9,89	-6,00	10,097	12,348	-2,251	3,40	10,30	6,000	5,500	10,427	6,46	11,862	1,435			
597+10.000		-18,056	18,546	9,168	-11,914	9,378	-3,400	9,89	-6,00	10,093	12,394	-2,301	3,40	10,30	6,000	5,500	10,423	6,50	11,909	1,486			
598+0.000		-17,737	18,022	8,709	-11,902	9,313	-3,400	9,82	-6,00	10,028	12,815	-2,788	3,40	10,23	6,000	5,500	10,358	6,89	12,429	2,071			
598+10.000		-17,313	17,27	8,076	-11,901	9,194	-3,400	9,70	-6,00	9,908	12,762	-2,854	3,40	10,11	6,000	5,500	10,238	7,31	12,940	2,702			
598+10.333		-17,307	17,246	8,057	-11,908	9,189	-3,400	9,70	-6,00	9,903	12,745	-2,841	3,40	10,11	6,000	5,500	10,233	7,30	12,915	2,682			
599+0.000		-16,949	16,554	7,534	-11,902	9,02	-3,400	9,53	-6,00	9,734	12,187	-2,453	3,40	9,94	6,000	5,500	10,064	6,94	12,218	2,154			
599+10.000		-16,262	15,287	6,495	-11,911	8,792	-3,400	9,30	-6,00	9,507	11,431	-1,924	3,40	9,71	6,000	5,500	9,837	6,74	11,693	1,856			
599+11.760	CE	-16,13	15,062	6,315	-11,899	8,747	-3,400	9,26	-6,00	9,461	11,248	-1,787	3,40	9,67	6,000	5,500	9,791	6,63	11,475	1,684			
600+0.000		-15,402	14,011	5,349	-11,818	8,662	-3,318	9,07	-4,76	9,225	10,390	-1,165	3,32	9,38	4,760	5,417	9,483	6,10	10,507	1,024			
600+10.000		-14,73	13	4,493	-11,72	8,507	-3,217	8,79	-3,26	8,890	9,319	-0,429	3,22	9,00	3,260	5,317	9,063	5,46	9,281	0,218			
601+0.000		-13,918	11,582	3,431	-11,619	8,151	-3,118	8,41	-3,00	8,500	8,218	0,282	3,12	8,56	1,760	5,217	8,592	6,86	7,494	-1,098			
601+10.000		-13,474	10,657	2,919	-11,518	7,738	-3,018	7,99	-3,00	8,083	7,262	0,821	3,02	8,09	0,260	5,118	8,097	7,08	6,787	-1,310			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
601+11.760	ET	-13,426	10,532	2,867	-11,506	7,665	-3,000	7,92	-3,00	8,010	7,111	0,899	3,00	8,01	0,000	5,100	8,010	7,17	6,633	-1,377			
602+0.000		-12,542	9,822	2,482	-10,879	7,34	-3,000	7,58	-3,00	7,667	6,404	1,263	3,00	7,63	-1,240	5,100	7,604	7,65	5,903	-1,701			
603+0.000		-5,721	6,291	-0,414	-5,100	6,705	-3,000	6,77	-3,00	6,858	5,480	1,378	3,00	6,77	-3,000	5,100	6,705	7,91	4,833	-1,872			
604+0.000		-6,243	5,303	-0,763	-5,100	6,066	-3,000	6,13	-3,00	6,219	5,037	1,181	3,00	6,13	-3,000	5,100	6,066	7,74	4,305	-1,761			
605+0.000		-5,384	5,432	-0,189	-5,100	5,621	-3,000	5,68	-3,00	5,774	4,604	1,171	3,00	5,68	-3,000	5,100	5,621	6,90	4,419	-1,202			
606+0.000		-6,637	7,641	2,294	-5,100	5,347	-3,000	5,41	-3,00	5,500	5,121	0,379	3,00	5,41	-3,000	5,100	5,347	5,72	4,935	-0,412			
607+0.000		-7,632	8,876	3,779	-5,100	5,097	-3,000	5,16	-3,00	5,250	5,968	-0,718	3,00	5,16	-3,000	5,100	5,097	5,42	5,581	0,484			
608+0.000		-7,791	8,863	4,016	-5,100	4,847	-3,000	4,91	-3,00	5,000	5,734	-0,734	3,00	4,91	-3,000	5,100	4,847	5,53	5,488	0,641			
608+15.967	TS	-7,062	7,728	2,928	-5,100	4,800	-3,000	4,80	0,00	4,800	5,320	-0,519	3,00	4,71	-3,000	5,100	4,647	5,50	5,242	0,595			
609+0.000		-7,002	7,571	2,778	-5,140	4,793	-3,040	4,78	0,83	4,750	5,222	-0,472	3,04	4,66	-3,000	5,140	4,596	5,53	5,169	0,573			
609+10.000		-7,108	7,564	2,787	-5,240	4,777	-3,140	4,72	2,90	4,625	4,963	-0,338	3,14	4,53	-3,000	5,240	4,468	5,43	4,751	0,283			
610+0.000		-7,317	7,716	2,951	-5,340	4,765	-3,240	4,66	4,97	4,500	4,637	-0,137	3,24	4,34	-4,970	5,340	4,235	5,58	4,597	0,362			
610+5.967	EC	-7,247	7,517	2,757	-5,400	4,760	-3,300	4,63	6,20	4,425	4,442	-0,017	3,30	4,22	-6,200	5,400	4,091	5,68	4,501	0,410			
610+10.000		-6,893	6,938	2,228	-5,400	4,710	-3,300	4,58	6,20	4,375	4,334	0,041	3,30	4,17	-6,200	5,400	4,040	5,62	4,370	0,330			
611+0.000		-6,273	5,888	1,303	-5,400	4,585	-3,300	4,46	6,20	4,250	4,057	0,193	3,30	4,05	-6,200	5,400	3,915	5,44	3,977	0,062			
611+1.312		-6,204	5,769	1,201	-5,400	4,568	-3,300	4,44	6,20	4,234	4,019	0,215	3,30	4,03	-6,200	5,400	3,899	5,42	3,929	0,030			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
611+10.000		-5,628	4,800	0,340	-5,400	4,460	-3,300	4,33	6,20	4,125	3,846	0,279	3,30	3,92	-6,200	5,400	3,790	5,53	3,707	3,707	-0,083		
611+16.657	CE	-5,619	4,230	-0,147	-5,400	4,377	-3,300	4,25	6,20	4,042	3,633	0,409	3,30	3,84	-6,200	5,400	3,707	5,58	3,585	3,585	-0,122		
612+0.000		-5,645	4,110	-0,186	-5,366	4,296	-3,266	4,18	5,51	4,000	3,521	0,479	3,27	3,82	-5,510	5,367	3,704	5,64	3,523	3,523	-0,181		
612+10.000		-6,039	3,541	-0,515	-5,266	4,056	-3,166	3,98	3,44	3,875	3,218	0,657	3,17	3,77	-3,440	5,267	3,694	5,79	3,348	3,348	-0,346		
613+0.000		-5,901	3,331	-0,490	-5,167	3,821	-3,067	3,79	1,38	3,750	3,003	0,747	3,07	3,66	-3,000	5,167	3,595	5,78	3,185	3,185	-0,410		
613+6.657	ET	-5,769	3,227	-0,445	-5,100	3,672	-3,000	3,67	0,00	3,672	2,890	0,783	3,00	3,58	-3,000	5,100	3,519	5,62	3,171	3,171	-0,348		
614+0.000		-5,728	2,992	-0,418	-5,100	3,410	-3,000	3,47	-2,76	3,551	2,721	0,830	3,00	3,46	-3,000	5,100	3,398	5,51	3,122	3,122	-0,276		
615+0.000		-5,848	2,802	-0,499	-5,100	3,301	-3,000	3,36	-3,00	3,454	2,599	0,855	3,00	3,36	-3,000	5,100	3,301	5,53	3,011	3,011	-0,290		
616+0.000		-6,182	2,584	-0,722	-5,100	3,306	-3,000	3,37	-3,00	3,459	2,525	0,933	3,00	3,37	-3,000	5,100	3,306	6,22	2,559	2,559	-0,747		
617+0.000		-6,607	2,407	-1,005	-5,100	3,412	-3,000	3,48	-3,00	3,565	2,416	1,149	3,00	3,48	-3,000	5,100	3,412	8,98	0,825	0,825	-2,587		
618+0.000		-7,799	1,822	-1,799	-5,100	3,621	-3,000	3,68	-3,00	3,774	2,089	1,685	3,00	3,68	-3,000	5,100	3,621	8,93	1,068	1,068	-2,553		
618+11.405	TS	-9,115	1,262	-2,676	-5,100	3,938	-3,000	3,94	0,00	3,938	2,037	1,902	3,00	3,85	-3,000	5,100	3,785	10,39	0,261	0,261	-3,524		
619+0.000		-10,971	0,465	-3,742	-5,358	4,207	-3,258	4,16	2,29	4,084	1,976	2,108	3,26	3,99	-3,000	5,358	3,924	11,01	0,155	0,155	-3,769		
619+10.000		-12,123	0,235	-4,311	-5,658	4,546	-3,558	4,44	4,96	4,265	2,036	2,230	3,56	4,09	-4,960	5,658	3,985	10,72	0,613	0,613	-3,372		
620+0.000		-13,028	0,186	-4,714	-5,957	4,900	-3,857	4,74	7,63	4,446	2,236	2,210	3,86	4,15	-7,630	5,958	3,992	9,62	1,552	1,552	-2,440		
620+1.405	EC	-13,013	0,276	-4,675	-6,000	4,951	-3,900	4,78	8,00	4,471	2,266	2,206	3,90	4,16	-8,000	6,000	3,991	9,88	1,407	1,407	-2,584		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast
620+10.000		-11,491	1,446	-3,661	-6,000	5,107	-3,900	4,94	8,00	4,627	2,325	2,301	3,90	4,32	-8,000	6,000	4,147	11,60	0,410	-3,737			
620+18.407		-10,400	2,325	-2,934	-6,000	5,259	-3,900	5,09	8,00	4,779	2,480	2,299	3,90	4,47	-8,000	6,000	4,299	10,52	1,288	-3,011			
621+0.000		-10,141	2,526	-2,761	-6,000	5,287	-3,900	5,12	8,00	4,807	2,480	2,327	3,90	4,50	-8,000	6,000	4,327	10,64	1,236	-3,091			
621+10.000		-9,655	3,032	-2,436	-6,000	5,468	-3,900	5,30	8,00	4,988	2,546	2,442	3,90	4,68	-8,000	6,000	4,508	10,71	1,369	-3,139			
621+15.408	CE	-9,224	3,416	-2,150	-6,000	5,566	-3,900	5,40	8,00	5,086	2,628	2,458	3,90	4,77	-8,000	6,000	4,606	10,82	1,394	-3,212			
622+0.000		-8,697	3,688	-1,890	-5,862	5,578	-3,762	5,43	6,99	5,169	2,679	2,490	3,76	4,91	-6,990	5,863	4,759	10,82	1,457	-3,302			
622+10.000		-7,281	4,458	-1,146	-5,562	5,604	-3,462	5,50	4,78	5,338	2,932	2,406	3,46	5,17	-4,780	5,562	5,073	9,44	2,486	-2,587			
623+0.000		-5,543	5,434	-0,187	-5,262	5,621	-3,162	5,57	2,57	5,485	3,367	2,118	3,16	5,40	-2,570	5,262	5,350	8,25	3,361	-1,989			
623+5.408	ET	-5,413	6,093	0,467	-5,100	5,626	-3,000	5,60	1,38	5,556	3,589	1,967	3,00	5,51	-1,380	5,100	5,486	8,48	3,229	-2,257			
623+7.873	TS	-5,661	6,466	0,838	-5,100	5,628	-3,000	5,61	0,83	5,586	3,649	1,937	3,00	5,56	-0,830	5,100	5,543	8,40	3,341	-2,202			
623+10.000		-5,915	6,798	1,169	-5,132	5,629	-3,032	5,62	0,36	5,610	3,700	1,910	3,03	5,60	-0,360	5,132	5,592	8,37	3,436	-2,156			
624+0.000		-7,204	8,484	2,869	-5,282	5,615	-3,182	5,65	-1,85	5,713	5,886	-0,174	3,18	5,77	1,850	5,282	5,810	8,16	3,892	-1,918			
624+10.000		-7,802	9,109	3,537	-5,432	5,572	-3,332	5,66	-4,05	5,792	7,045	-1,252	3,33	5,93	4,050	5,432	6,013	8,05	4,267	-1,746			
625+0.000		-7,912	8,978	3,478	-5,582	5,500	-3,482	5,63	-6,26	5,850	6,696	-0,846	3,48	6,07	6,260	5,582	6,199	7,96	4,611	-1,588			
625+7.873	EC	-7,939	8,766	3,342	-5,700	5,424	-3,600	5,59	-8,00	5,880	6,331	-0,451	3,60	6,17	8,000	5,700	6,336	8,05	4,770	-1,566			
625+10.000		-7,827	8,604	3,175	-5,700	5,429	-3,600	5,60	-8,00	5,885	5,899	-0,014	3,60	6,17	8,000	5,700	6,341	7,99	4,816	-1,525			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)				Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)		
		Afast	Cota	Alt	Afast	Cota	Alt	Afast	Cota	%	Projelo	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
626+0.000		-7,412	7,997	2,555	-5,700	5,442	-3,600	5,61	-8,00	5,898	4,889	1,008	3,60	6,19	8,000	5,700	6,354	7,91	4,884	-1,470			
626+10.000		-6,838	7,131	1,699	-5,700	5,432	-3,600	5,60	-8,00	5,888	4,838	1,050	3,60	6,18	8,000	5,700	6,344	8,11	4,738	-1,606			
627+0.000		-6,458	6,531	1,131	-5,700	5,400	-3,600	5,57	-8,00	5,856	4,737	1,119	3,60	6,14	8,000	5,700	6,312	8,40	4,510	-1,802			
627+10.000		-6,114	5,975	0,618	-5,700	5,357	-3,600	5,53	-8,00	5,813	4,665	1,148	3,60	6,10	8,000	5,700	6,269	8,65	4,300	-1,969			
628+0.000		-5,787	5,256	-0,057	-5,700	5,313	-3,600	5,48	-8,00	5,769	4,630	1,140	3,60	6,06	8,000	5,700	6,225	8,77	4,182	-2,043			
628+10.000		-6,278	4,885	-0,385	-5,700	5,270	-3,600	5,44	-8,00	5,726	4,550	1,176	3,60	6,01	8,000	5,700	6,182	8,97	4,003	-2,179			
628+14.726		-6,523	4,701	-0,549	-5,700	5,250	-3,600	5,42	-8,00	5,706	4,490	1,216	3,60	5,99	8,000	5,700	6,162	9,15	3,860	-2,302			
629+0.000		-6,608	4,622	-0,605	-5,700	5,227	-3,600	5,40	-8,00	5,683	4,448	1,235	3,60	5,97	8,000	5,700	6,139	9,30	3,736	-2,403			
629+10.000		-6,561	4,610	-0,574	-5,700	5,184	-3,600	5,35	-8,00	5,640	4,348	1,292	3,60	5,93	8,000	5,700	6,096	9,52	3,552	-2,544			
630+0.000		-6,497	4,609	-0,531	-5,700	5,140	-3,600	5,31	-8,00	5,596	4,439	1,157	3,60	5,88	8,000	5,700	6,052	9,29	3,658	-2,394			
630+10.000		-6,372	4,649	-0,448	-5,700	5,097	-3,600	5,27	-8,00	5,553	4,555	0,998	3,60	5,84	8,000	5,700	6,009	8,88	3,886	-2,123			
631+0.000		-6,143	4,758	-0,296	-5,700	5,054	-3,600	5,22	-8,00	5,510	4,730	0,779	3,60	5,80	8,000	5,700	5,966	8,41	4,160	-1,806			
631+10.000		-5,846	4,913	-0,097	-5,700	5,010	-3,600	5,18	-8,00	5,466	4,951	0,516	3,60	5,75	8,000	5,700	5,922	8,05	4,356	-1,566			
632+0.000		-5,723	5,001	0,034	-5,700	4,967	-3,600	5,14	-8,00	5,423	4,765	0,658	3,60	5,71	8,000	5,700	5,879	7,62	4,599	-1,280			
632+1.578	CE	-5,733	5,010	0,050	-5,700	4,960	-3,600	5,13	-8,00	5,416	4,832	0,584	3,60	5,70	8,000	5,700	5,872	7,53	4,649	-1,223			
632+10.000		-5,609	5,079	0,051	-5,574	5,028	-3,474	5,16	-6,32	5,380	4,959	0,420	3,47	5,60	6,320	5,573	5,732	6,91	4,840	-0,892			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.3 - Monte Belo - Mineirinho - Campinas (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo						Lado Direito					
		Off Set (Pt 01)			Disp Dren (Pt 02)			Bordo (Pt 03)			Cota			Bordo (Pt 04)			Disp Dren (Pt 05)			Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	%	Afast	Cota	%	Projeto	Terreno	Vermelha	Afast	Cota	%	Afast	Cota	%	Afast	Cota	Alt	
633+0.000		-6,639	6,917	1,815	-5,424	5,102	-4,32	-3,324	5,19	5,19	-4,32	5,336	5,139	0,197	3,32	5,48	4,320	5,424	5,570	6,34	4,959	-0,611	
633+10.000		-6,988	7,693	2,558	-5,274	5,135	-3,00	-3,174	5,20	5,20	-3,00	5,293	5,164	0,129	3,17	5,37	2,320	5,273	5,415	5,96	4,957	-0,458	
634+0.000		-7,074	8,007	2,911	-5,124	5,096	-3,00	-3,024	5,16	5,16	-3,00	5,250	5,021	0,229	3,02	5,26	0,320	5,124	5,266	5,68	4,898	-0,368	
634+1.578	ET	-7,078	8,043	2,953	-5,100	5,090	-3,00	-3,000	5,15	5,15	-3,00	5,243	4,997	0,246	3,00	5,24	0,000	5,100	5,243	5,65	4,876	-0,367	
635+0.000		-6,637	7,304	2,294	-5,100	5,010	-3,00	-3,000	5,07	5,07	-3,00	5,163	4,959	0,204	3,00	5,07	-3,000	5,100	5,010	5,42	4,798	-0,212	
636+0.000		-5,146	4,893	-0,031	-5,100	4,924	-3,00	-3,000	4,99	4,99	-3,00	5,077	4,919	0,158	3,00	4,99	-3,000	5,100	4,924	5,80	4,456	-0,468	
636+11.608		-5,145	4,940	0,067	-5,100	4,873	-3,00	-3,000	4,94	4,94	-3,00	5,026	4,803	0,223	3,00	4,94	-3,000	5,100	4,873	5,83	4,385	-0,488	

3.2 INTERSEÇÃO 01



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.3 - IT-01

Estaca	Elementos Horizontais	Lado Esquerdo						Eixo						Lado Direito					
		Off Set (Pt 01)		Disp Dren (Pt 02)		Bordo (Pt 03)		Cota		Vermelha		Bordo (Pt 04)		Disp Dren (Pt 05)		Off Set (Pt 06)			
		Afast	Cota	Alt	Afast	Cota	Afast	Cota	%	Projeto	Terreno	Afast	Cota	%	Afast	Cota	Afast	Cota	Alt
		RAMO A																	
0+0.000	PC	CONCORDAR COM RODOVIA	-3	14,525	3	14,435	13,882	0,553	0,8	14,411	-3	0,8	14,411	1,346	14,047	0,364			
0+10.000		CONCORDAR COM RODOVIA	-4,606	14,459	3	14,321	14,259	0,062	0,8	14,297	-3	0,8	14,297	0,852	14,374	-0,077			
0+19.133		CONCORDAR COM ILHA	-5,499	14,516	3	14,351	13,844	0,507	0,8	14,327	-3	0,8	14,327	1,354	13,957	0,37			
1+0.000		CONCORDAR COM ILHA	-5,496	14,532	3	14,368	13,841	0,526	0,8	14,344	-3	0,8	14,344	1,414	13,935	0,409			
1+10.000		CANTEIRO	-12	15,095	3	14,735	14,521	0,214	1,161	14,7	-3	1,161	14,7	1,625	14,391	0,309			
1+18.265	PT	CANTEIRO	-4,895	15,319	3	15,172	14,996	0,176	2,1	15,109	-3	2,1	15,109	2,349	14,943	0,166			
2+0.000		CANTEIRO	-4,631	15,402	3	15,264	15,153	0,111	2,1	15,201	-3	2,1	15,201	2,309	15,061	0,14			
2+10.000		CONCORDAR COM RAMO B	-4,636	15,931	3	15,792	15,837	-0,045	2,1	15,729	-3	2,1	15,729	2,115	15,751	-0,022			
3+0.000		CONCORDAR COM RAMO B	-3,108	16,413	3	16,32	16,344	-0,024	2,1	16,257	-3	2,1	16,257	2,238	16,464	-0,207			
3+10.000		CONCORDAR COM RAMO B	-3	16,938	3	16,848	16,848	0,001	2,1	16,785	-3	2,1	16,785	2,22	16,964	-0,179			
4+0.000		CONCORDAR COM RAMO B	-3	17,467	3	17,377	17,353	0,024	2,1	17,314	-3	2,1	17,314	2,253	17,543	-0,229			
4+3.050		CONCORDAR COM RAMO B	-3	17,628	3	17,538	17,538	0	2,1	17,475	-3	2,1	17,475	2,263	17,718	-0,243			
RAMO B																			
0+0.000		CONCORDAR COM RAMO A				17,389	17,389	0	2,1	17,326	-3	2,1	17,326	2,105	17,333	-0,007			
0+10.000		CONCORDAR COM RAMO A				16,861	16,802	0,059	2,1	16,798	-3	2,1	16,798	2,115	16,788	0,01			
0+18.799	PC	CONCORDAR COM RAMO A				16,403	16,256	0,147	2,1	16,34	-3	2,1	16,34	2,241	16,246	0,094			
1+0.000		CONCORDAR COM RAMO A				16,345	16,176	0,169	2,078	16,283	-3	2,078	16,283	2,235	16,178	0,105			
1+10.000		CONCORDAR COM RAMO A				15,918	15,649	0,27	0,8	15,894	-3	0,8	15,894	1,303	15,559	0,335			
2+0.000		CANTEIRO				15,593	14,935	0,658	0,8	15,569	-3	0,8	15,569	1,62	15,023	0,546			
2+5.128		CANTEIRO				15,466	14,714	0,752	0,8	15,442	-3	0,8	15,442	1,683	14,853	0,589			
2+10.000		CANTEIRO				15,357	14,665	0,691	0,8	15,333	-3	0,8	15,333	1,599	14,8	0,533			
3+0.000		CONCORDAR COM ILHA				15,133	14,825	0,309	0,8	15,109	-3	0,8	15,109	1,098	14,91	0,199			
3+10.000		CONCORDAR COM RODOVIA				14,91	14,516	0,393	0,8	14,886	-3	0,8	14,886	0,99	14,759	0,127			
3+11.458	PT	CONCORDAR COM RODOVIA				14,877	14,531	0,346	0,8	14,853	-3	0,8	14,853	0,938	14,761	0,092			

4. TERMO DE ENCERRAMENTO

4. TERMO DE ENCERRAMENTO

Este VOLUME 3D - NOTAS DE SERVIÇO E CÁLCULO DE VOLUMES, referente ao LOTE 4, TRECHO 4.3 MONTE BELO - MINEIRINHO - CAMPINAS (ES-297), possui 158 (cento e cinquenta e oito) folhas, incluindo esta, numericamente ordenadas.

Belo Horizonte, 31 de janeiro de 2016.